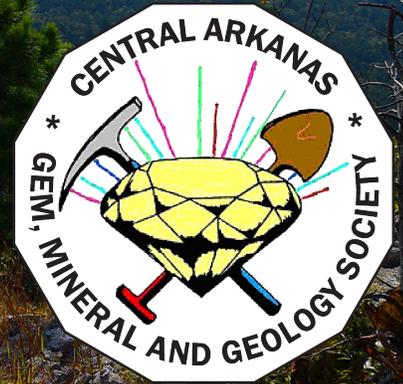


ARKANSAS ROCKHOUND NEWS



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

JUNE 2018

MWF Convention Delegates Sought...

by Tony Kapta, MWF Credentials Chair, MWF News June 2018

The Midwest Federation's 78th Annual Meeting will be held in conjunction with the annual 2018 show of the Lincoln Orbit Earth Science Society October 6th and 7th, 2018. The show will be held at the Illinois State Fairgrounds, 801 E. Sangamon Avenue, Springfield, Illinois.

The Council of Delegates Meeting will be held at the Knights of Columbus Hall, 2801 West Street in Springfield. Each member club/society is entitled to one (1) Delegate and one (1) Alternate to represent them, although each club is only entitled to one vote.

On page thirteen is a Delegate Registration form that needs to be filled out and then signed by the President of your club. This form was also mailed to each club with the convention packet and will be available on the MWF website. The form on the website can be typed out on your computer, printed, signed by the President of your club and mailed to me, Tony Kapta, 1483 E. Wood Street, Decatur, IL 62521, or scanned and emailed to me at cigmc@comcast.net.

This is your club's chance to send a representative to the annual meeting and vote on the business which will be before the members of the MWF. This also allows your delegate to report back to the club on what business was discussed during the meeting. Last, it allows your club to be represented at an MWF function and give your delegate an

...continued on page 3

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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501-821-2440, nevadasmith7777@yahoo.com

Programs, Vacant

Meeting minutes...

May 22, 2018

by Daniel Butcher, secretary

Old Business

The meeting was started at 6:30 by Club President Barbara C who thanked everyone for coming and introduced our special guest Jason Simpson who came to give a presentation on Fourche Creek Wetland Hydrology. Barbara then read the minutes from March and April. They were accepted as read.

Treasurers Report

Club Treasurer Sarah D confirmed that we are still in the green.

Show Report

John S wasn't present to give a show report, but Stephanie B mentioned that Darcy H expressed interest in selling packaged baked goods at this years show. A list of baked goods was presented to the group:

- Banana Nut Bread – \$2.50
- Cheesy Garlic Pull-apart Bread - \$6.00
- Garden Flatbread - \$4.00
- Chocolate Chip Cookies - \$2.50
- Fried Pies: Apple, Peach, Chocolate - \$3.00
- Blueberry Crumb Bars - \$2.00
- Carmel Pecan Brownies - \$2.00
- Pecan Pie Mini Muffins - \$3.00
- Pecan Brittle - \$3.00
- Pumpkin Roll, by the slice - \$2.50
- And maybe pie by the slice

Mike mentioned that they would be willing to sell drinks as well. A motion was moved and seconded to approve the baked goods and it received a unanimous approval vote.

Field Trip

Barbara mentioned that a field trip was scheduled for June 9 to Magnet Cove. Everyone will meet at 830 at McDonalds in Malvern.

Misc. Business

T-shirt are looking to cost between 8.50 and 10.00. Plus sizes will cost a few dollars more. Multiple colors will be available.

At this point, the meeting was adjourned, and everyone enjoyed a presentation on the Fourche Creek Wetland Hydrology by Jason Simpson.

From the editor...

It's officially summertime! The days are long and hot. And humid. Ugh. Hopefully you have some fun trips planned for the summer, maybe even to some cooler locales. We will be heading to Colorado in a few short weeks and are definitely looking forward to the weather change!

What do you have planned for the summer? Any road trips or rockhounding trips? Send me some pics and a write up and I'll add it to the newsletter. Everyone would love to see what all we've been up to.

I hope you're thinking ahead to the show in October, specifically to the case contest. I know one person in my house has already been thinking on it. He even says he already has a topic picked out. So I hope many of you are going to join in the fun!!

Please send me any photos and/or news you have for future publication in the newsletter. I haven't had anyone write an article for me in ages. Hint, hint!!

continued from page 1...

opportunity to meet the representatives of other clubs and the Officers, State Directors and Committee Chairs of the MWF. There is also the added benefit of being able to attend a great gem, mineral and fossil show.

These are important points to consider for all MWF clubs, and I urge you to carefully consider sending a representative from your club to the MWF Annual Meeting. I realize that the trip is a financial burden, as it is to me as well as all of the people who have been gracious enough to donate their time and money to take care of the business of making the MWF work for you, the clubs. Helping other clubs is as important a part of having a club as any of the other things that we do. Hope to see you there!

Club news...



John S. showing off his poker chip calcite finds at the recent CAGMAGS field trip to Missouri

Brad's bench tips...

SAVE WHEN BUYING SILVER

Silver products like sheet, wire, and casting shot are sold by the Troy ounce at what is called the spot price. That's what companies pay for the pure metal on the commodities market, and the spot price changes daily.



But in addition to the spot price, there is also a cost to fabricate the metal into wire or sheet, so the price of the item you buy is the cost of the metal plus the cost to make it. Different products have different fabrication charges because each takes a different amount of labor. Also, different companies will have different fabrication charges because of local labor rates and their desired profit margin.

You can save money by finding a company with a lower fabrication charge. Also, note that the fabrication charge per ounce is less on larger orders, so you can save more by buying more. Find a friend to place a joint order and split the shipping charges.

But for casting purposes, there's an even better way to save. Buy your silver at a coin store. They sell bars and rounds in pure and Sterling for the spot price plus about a dollar per ounce.

The local coin shop adds only a small profit over the spot price. So I save about \$3 per ounce, pay no shipping charges, don't have to wait for mail order, and support a local business.

SAWING JUMP RINGS

The difficult part of making jump rings for me has always been holding the coil while cutting off the individual rings. I use a saw to get the best fit when closing the rings later. I've seen all sorts of suggestions for ways to hold the coil, but the one that works best for



me is this little jig made from scrap wood.

It's about 2 inches wide and 4-5 inches long with a groove cut down its length to cradle the coil of wire and a thin stop attached to the front end.

To cut the rings, thread your saw blade through the coil, hold the coil down in the groove and against the front stop, and saw through the bottom of the coil at about a 40 degree angle.



Don't forget to use some wax or cutting lube. It really does make a difference. If you don't believe me, do an experiment while you're cutting a lot of rings. Count how many rings can

be cut before the blade breaks. First, do the test without lube, and then do it again while adding some lube to the blade after cutting every 8-10 rings.

It's the best way I've ever found to hold the coils easily and securely. If the coil doesn't move, you break fewer blades. And it is safer than some other techniques because you are cutting away from the fingers.

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

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

Submissions due by the
28th of each month.

Of interest...

Float Copper is Out There Somewhere!

by William S. Cordua, Chair, MWF Geology Committee (via the October 2017 Rock Rustler News of the Minnesota Mineral Club via MWF April News)

I often get a startled expression from people when I mention drift or float copper. They think: "Copper is dense – how can it float or drift? What is it floating or drifting on?"

Drift refers to glacial drift, which is any sediment deposited as a direct or indirect result of glaciation. Copper nuggets carried by glaciers and melt-water rivers are drift copper. Float is a geological term used to denote any material that has been carried by erosion away from its spot of formation. A slab of rock slides down a hill. It is now float. A glacier carries a rock a hundred miles and drops the rock as it melts. That rock is now both drift and float, whose source is "up glacier" somewhere. Thus, in our area, "drift copper" and "float copper" refer to the same thing.



Small copper nugget collected from a gravel pit near New Richmond, Wisconsin. Photo by William S. Cordua.

"Floating" minerals leave trails a good prospector can patiently trace back to their source. For example, gold panners will pan their way upstream to the "Mother Lode." As we heard in a recent talk by Dr. Thorliefson of the Minnesota

Geological Survey, examination of float diamonds and other kimberlite "indicator" minerals has successfully spurred exploration in Canada. The Native Americans also used this long ago to find the source of the Midwest copper deposits.

It's no mystery today where most Midwest drift copper originates. Native copper is abundant in the Upper Peninsula of Michigan in basaltic lava and interlayered sediments formed approximately a billion years ago. Much smaller deposits are known where these same rocks extend into Wisconsin and Minnesota. Freed from the rock by weathering, this copper can survive long transport by glaciers and rivers because of its tenacity and relatively low chemical reactivity. Float copper is found in all states that have received glacial drift from the Lake Superior region. It is easily recognized by its bright green to black alteration crust (consisting mostly of malachite and cuprite), high density, malleability and brilliant copper color on a fresh surface.

Some truly huge masses of float copper have been found in Michigan. The most famous is the Ontonagan boulder, weighing 3,708 lbs. The boulder was revered by local Native Americans. After changing hands many times, it now resides in the Smithsonian's Natural History Museum. Its fascinating story is well told on Wikipedia (https://en.wikipedia.org/wiki/Ontonagan_Boulder). A 17-ton copper boulder was raised from the bottom of Great Sand Lake and is on display at the Seaman Mineral Museum in Houghton. The largest float copper boulder I've heard of is a 15 x 13-foot copper boulder weighing 28.2 tons. This may be the largest float copper mass in the world.

In 1895, a Wisconsin geologist, Roland Salisbury, made a detailed study of float copper in the Midwest. He states "specimens of 40 to 50 lbs. weight are not uncommon." I've found that nuggets that size are that not common either. Here are a few of the more notable drift copper finds from Wisconsin, as reported by Salisbury and others:

The largest nugget of float copper reported from the Wisconsin is a boulder weighing 1,700 lbs. found in the bed of the Sioux River about six miles south of Lake Superior in Bayfield County. Over in Ashland County, a 100-lb. copper boulder came from Outer Island in the Apostle chain. A 970-lb. mass of drift copper was found in a gravel pit two miles south of (Continued from page 2) Pella in Shawano County. An enormous 4.5-ton nugget was uncovered in a gravel pit near Coloma, Wisconsin. An 81-lb. nugget of drift copper was found in a farm field near Spring Valley in Pierce County.



Large copper boulder found during gravel pit operations near Coloma, Wisconsin. Photo by William S. Cordua.

There is a trend for the masses to get smaller the further south (away from the source) one goes. Even so, a nugget of float copper weighing 487 lbs. was found near Hustiford in Dodge County near the Illinois border. The Illinois Geological Survey reported that the largest mass found in that state weighed in at 1,606 pounds.

Float copper finds are known also in Indiana, Iowa, Ohio and Missouri. Copper nuggets also turn up in Minnesota, although they are not common. Many of the glacial lobes in the state did not come over the copper-bearing Keweenaw strata. Even so, they do turn up here and there. Salisbury reports a 78 lb. chunk found in Eden Prairie, with five- and two-pound masses known from Olmstead and Ramsey County respectively. Float copper is more

common as you go north toward Lake Superior. Your best chances of finding one of these nuggets is in St. Louis, Pine or Carlton Counties, where area glaciers did grind over copper-bearing strata. Keep your eyes peeled – they're out there!

How pyritized fossils form

via www.rockhoundtimes.com



View of a pyritized bivalve fossil from China

Have you ever seen a fossil that looked as though it were carved from pure gold? Chances are you were looking at an example of pyritization [pyritisation if you're a fan of British spelling]. It may not be made of precious gold, but it's an entirely natural fossil formation.

Pyrite, often called Fool's Gold, is an iron sulfide, and a very common mineral. Because of its shiny, metallic golden color, it has often been mistaken for true gold. It is brittle, and sadly subject to decay in moist environments, making it useless for most practical purposes.

Nonetheless, it makes beautiful decorative mineral specimens!

Pyrite replacement of fossils is often caused by



View of a pyritized bivalve fossil from China

fossil that replicates the internal anatomical structure of the trilobite's organs.

Unfortunately, pyrite can be subject to "pyrite disease", a condition in which your beautiful piece of pyrite oxidizes and crumbles to ugly powder. Some pyrites are more stable than others. Humidity can cause decay, so keep your specimens clean and dry. If you found them near the seashore, wash them thoroughly to remove any salt, and dry carefully before storing.

Some people recommend giving them regular baths in mineral oil, but I cannot vouch for that one way or another. If you don't mind oily rocks, perhaps you can give it a try and inform me of the results.

If you'd like further reading on the subject, I recommend this book: *Exceptional Fossil Preservations*

bacteria, in a process called permineralization. Since it requires both aerobic bacteria (which need oxygen to survive) and anaerobic bacteria (which live in places with little to no oxygen) to complete the process, pyritization can only occur in the levels of sediment near the interface between the two zones - and the sediment must have just the right amount of iron, not too much and not too little.

When the body of the unfortunate soon-to-be fossil is first buried, sulfate-reducing anaerobic bacteria begin to consume its organic material, producing sulfide.

The high concentration of iron in the sediment converts this to iron monosulfide, which is then oxidized into pyrite by aerobic bacteria. This pyrite is deposited onto the surfaces of the decaying organism, forming sparkly pyrite.

Fossils formed in this way can preserve the forms of the soft tissue, a rare event in the fossil world, making them particularly useful in scientific research.

Some famous examples of pyrite-replaced fossils occur in the Beecher's Trilobite Bed, in New York State. Trilobites from this location have been replaced by pyrite, producing a three-dimensional

Spear Phishing Targets Rock and Mineral Clubs

by Mark Nelson, AFMS BEAC (AFMS Newsletter May 2018)

We know that “phishing” is an attempt by criminals to use means, such as the Internet and emails, to obtain money. Using emails, there are two ways you can send phishing campaigns: the first is ‘spray-and-pray’ which is a shotgun approach. Get as many email addresses from the organization you can and send them all an email that they might click on. The second approach is deciding what data you are after, then figure out who has access to that data, and specifically target those people. That is the spear phishing approach. There are thieves out there who believe that they need the treasury of rock and mineral clubs more than do the members of those clubs! Spear phishing attempts are not typically initiated by random hackers but are more likely to be conducted by perpetrators targeting specific people or groups for financial gain. This was first brought to my attention in 2015 and it is still affecting rock and mineral clubs throughout North America. Knowledge is the best armor against becoming a victim of these criminals!

Spear Phishing is an email targeted at a specific individual or department within an organization that appears to be from a trusted source. It’s actually cybercriminals attempting to steal confidential information or to convince a person to send them money. These criminals know that those in our hobby are staffed by volunteers untrained in cyber security. In our hobby we have web sites that serve to share our hobby with our members and prospective members. We post past issues of newsletters for reference and so that prospective hobbyists can see the enjoyment that we bring to those who will participate in it with us.

In a spear phishing attack, threat actors use their acquired knowledge of the potential victims to target them, and that approach allows them to tailor the attack. These emails are more

convincing and harder to detect than regular phishing emails. The attacker knows exactly who and what they’re targeting.

These cyber criminals use a technique called “Water-Holing”. This technique takes advantage of our hobby websites that people regularly visit and trust. The attacker will gather information about a targeted group of individuals to find out who to target at those websites. Often there are emails listed for key people and they know that. They mine our websites for terms such as “president” and “treasurer”, and they read more to get the emails of the individuals that they will be targeting from those groups – particularly for the club’s treasurer. Cybercriminals create bogus profiles to try to trick the person with the information or money that they want. They will impersonate a celebrity or one of your friends or colleagues. These profiles look very much like the real thing, and it’s easy to get tricked. They try to impersonate a person that the bad guys already know you like and trust. They will then send fake emails to attempt to steal money or information.

These criminals are targeting institutions, businesses and individuals. The examples and defenses can take a lot of explaining, but this is typical of how it works in our hobby:

1. The cyber criminals (we’ll call them the Red Box group) have identified the Ace Mineral Club as one that is active and that has a lot of members and activities. They know that activities need money and that members equal money. They know that most of these groups have vendors from which they buy supplies, equipment parts and such. The criminals also know that our clubs may have annual shows and at these shows are people we call vendors or dealers.
2. The Red Box criminals have identified Melinda Stone as the president and Alice Agate as the treasurer of this group.
3. With email providers such as AOL, Gmail, Hotmail and such, there is a simple way to have your outgoing emails read your name

instead of your email address. This gives you the option to have your outgoing emails sent with a degree of personalization. Red Box changes the name on his email to Melinda Stone.

4. Alice Agate, the club's treasurer, receives an email from Melinda Stone. It reads something like this:

Alice,

What's the status of the payment to the vendor? Has it been processed yet? Please send \$2,715.43 to Able Arnold, P.O. Box 243 in Random City as quickly as possible! I'm tied up in a project at work, please reply by email when this is done. ----- Melinda.

5. Alice has never been advised by Melinda to do anything that wasn't in the interest of the Ace Mineral Club and she trusts her. What Alice does next will determine the fate of those club funds.

I know for a fact that these sorts of spear phishing activities have resulted in club monies being sent to the bad guys in response to fake requests. These criminals are not trying to take over your computer to try to get data. They are going after YOU instead. They know that they don't need as many technical skills to find one person who might be willing, in a moment of weakness, to open up an attachment that contains malicious content." This means it does not matter if your workstation is a PC or a Mac, a tower, laptop or workpad – the last line of defense is... you guessed it: YOU!

What can we do to prevent this kind of theft?

First - if the email request is unexpected, look at the email of the sender and hover your cursor over the name this may expose the true sender. You may also be able to right-click on the name to expose the actual sender. Many times, the attacker will employ a slight-of-hand (like magicians do) so you think you are reading an email address correctly, but they've actually switched out, added or replaced characters (commonly known as substitution and transposition). It's common to see legitimate

email addresses with an "m" replaced with an "r n", a lower case "L" switched out with the number "1" or a .com email reading as .co instead. Even the slightest change in an email address means the email is going somewhere else. In the case of our president's email of melindastone, the "r n" substitution would make it look real – rnelindastone.

Second - make sure that the members of your society or club's board of directors are aware of these rock-and-mineral-hobby attacks and that it has policies in place to prevent checks from being issued to the criminals. These policies should include:

1. All checks are kept with the Treasurer.
2. No signed or blank checks are given to anyone else in the club "just in case".
3. No checks are created without prior board approval that specifically lists the payee, expense category and the exact approved amount.

Third - forward all fraudulent phishing emails to the U.S. Department of Homeland Security Computer Emergency Readiness Team's Anti-Phishing Working Group: phishing-report@us-cert.gov

I hope that this will help your club, society or federation. If you are targeted by these cyber criminals please forward the email to me so I can update my own knowledge. <mnelsonair@aol.com>.

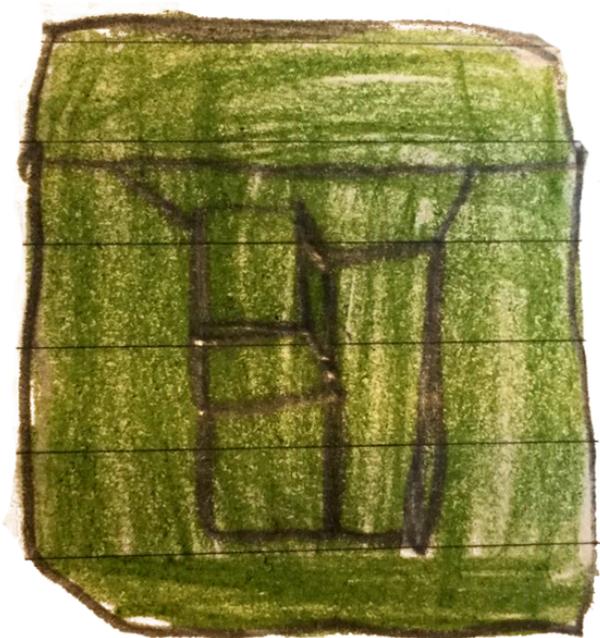
Call for Ideas/Speakers!

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 Junior 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.

Torbernite



Luster: Sub-Adamantine, Vitreous, Waxy, Pearly

Transparency: Transparent, Translucent

Color: Emerald-green, Grass-green, leek green, siskin green, apple green

Streak: Pale green

Hardness: 2-2.5

Crystal system: Tetragonal

**data collected from mindat.org*

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

GEOLOGY ONE LINERS

(via <http://www.jokes4us.com/miscellaneousjokes/schooljokes/geologyjokes.html>)

Did you hear oxygen and magnesium got together? OMg!

My Sediments exactly!

Geologists are down to "earth" people

Geology Rocks, I really dig it.

Have a gneiss day

My rocks are gneiss, don't take them for granite.

Did you hear of the METAMORPHOSIS PROFESSOR who gave up because he felt like a change?

"May the Quartz be with you"

"Geologists have their faults"

"It's a hard rock life"

"Geologists can be very sedimental"

Geologists never lose their luster!

Geologists don't wrinkle, they show lineation!

Old geologists never die, they just recrystallize.

Some jokes just fluorite over my head

Geologists will date anything.

Upcoming area shows...

June-July 2018

29-1—ELDON, MISSOURI: Annual show; Osage Rock and Mineral Club; Eldon Community Center, 309 E. 2nd Street; Fri. 2-6, Sat. 9-6, Sun. 9-6; Free Admission, Free; Plan to attend the 17th Annual Gem, Jewelry, Rock, Mineral and Fossil Show. Featuring gem stones, jewelry, geodes, fossils, minerals, quartz crystals, custom jewelry, cabochons, gift items, demonstrations, displays including our popular fluorescent mineral display, kids games and prizes. This year we will present a special appearance by "Fluffy", the partial real leg bone of a Stegosaurus. Admission is free!; Contact Cheryl Hudson, MO, (573)-644-2722; Email: ormc2018show@centurylink.net

30-1—GRAPEVINE, TEXAS: Annual show; Arlington Gem & Mineral Club; Grapevine Convention Center, 1209 S. Main Street; Sat. 9-6, Sun. 10-5; Adults \$6, Seniors/Students/Children \$5; 61st Annual Show will feature Vendors selling artisan and fine jewelry, gemstones, geodes, fossils, minerals, rough-cut-polished rocks, paleontological books, crystals, petrified wood, tools, glass creations, beads and much more. Members will be demonstrating jewelry designs, teaching 9 on-site jewelry classes, Identifying Gemstones, hosting a Silent Auction every hour, door prizes, raffle prizes, and offering activities to Juniors. Check us out on Facebook or our website for more details.; Contact Nadira Charaniya, 1408 Gibbins Rd., Arlington, TX 76011, (469)-751-2944; Email: show@agemclub.org; Website: www.agemclub.org

July 2018

6-8—RALEIGH, NORTH CAROLINA: Show and sale; Frank Cox Productions; North Carolina State Fairgrounds, 1025 Blue Ridge Rd.; Daily 10-5; Free Admission; Show and Sale of gems, jewelry, crystals, minerals and beads.; Contact Frank Cox, 755 S. Palm Ave. #203, Frank Cox Productions, Sarasota, FL 34236, (941)-954-0202; Email: frankcox@comcast.net; Website: frankcoxproductions.com

14-15—TULSA, OKLAHOMA: Annual show; Tulsa Rock & Mineral Society; Exchange Center Tulsa County Fairgrounds, 4145 E. 21st Street; Sat. 9-6, Sun. 10-5; adults and seniors \$6, children under 12 free with paid adult, Scouts and military in uniform free; gems, beads, fossils, jewelry, crystals, working exhibits, florescent room, free kids' zone and demonstrations; Contact Finis Riggs; Email: lanariggs63@yahoo.com; Website: www.tulsarockandmineralsociety.org/

25-29—FRANKLIN, NORTH CAROLINA: Annual show; Bellpoint Promotions ; Echo Valley Showplace, 6456 Sylva Rd (across from GLW); Wed. 9-6, Thu. 9-6, Fri. 9-6, Sat. 9-6; Free Admission; Wholesale & retail dealers from all over the world selling minerals, fossils, gems, rough rock & beads.; open to the public; across the street from GLW show *Sunday hours 9am-5pm ; Contact Damian Belgali, (678)-852-8273; Email: mbellpoint@gmail.com; Website: www.bellpointpromotions.com

July 2018-August 2018

28-5—SPRUCE PINE, NORTH CAROLINA: Annual show; Parkway Fire and Rescue; Parkway Fire and Rescue show grounds, 136 Majestic View; Daily 10-6; Free Admission; 34th annual gem and mineral show put on by the Parkway Fire and Rescue to raise funds for new equipment. Worldwide vendors with gems, minerals, fossils, jewelry, lapidary equipment and much more. ; Contact Donna Collis, 136 Majestic View, <http://www.grassycreekgemshow.org>, Spruce Pine, NC 28777, (828)-765-5519; Email: collisdonna@yahoo.com; Website: <http://www.grassycreekgemshow.org>

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

**MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES
COUNCIL MEETING
DELEGATE REGISTRATION
Saturday October 6th, 2018**

The Midwest Federation's 78th Annual Meeting will be held in conjunction with the annual show of the Lincoln Orbit Earth Science Society October 6th and 7th, 2018. The show will be held at the Illinois State Fairgrounds, 801 E. Sangamon Avenue, Springfield, Illinois. The Council of Delegates Meeting will be held at the Knights of Columbus Hall, 2801 West Street, Springfield, Illinois. Each member club/society is entitled to one (1) Delegate and one (1) Alternate* to represent it.

The MWF Council of Delegates Meeting will convene Saturday, October 6th at 1:00pm, with the delegate registration beginning at 12:00 p.m. at the Knights of Columbus Hall. The Delegate appointed by your club or society will represent your interests, and may bring up pertinent discussions and proposals. However, in order to expedite matters, if your society intends to have its Delegate present any special motion at the meeting, please notify MWF President David Root and MWF Secretary Donna Moore as to the nature of the subject so that it may be placed on the agenda. This needs to be presented in written form. This should be done at least one month prior to the meeting.

*Each club is entitled to one vote. An alternate may vote in the absence of a Delegate. Guests are invited, but will not be able to vote.

**Please cut out this form and return it to:
Credentials Chairman Tony Kapta
1483 E Wood St, Decatur IL 62521
217-233-1164, email cigmc@comcast.net**

Before September 1st, 2018

(DO NOT send this form to the show registration committee)

THANK YOU FOR YOUR PROMPTNESS

MIDWEST FEDERATION DELEGATE REGISTRATION FORM
PLEASE PRINT OR TYPE TO AVOID ERRORS

THIS IS TO CERTIFY THAT _____
Name of your club on this line

OF _____
City and State on this line

HAS APPOINTED THE FOLLOWING DELEGATE TO THE MWF 78TH ANNUAL MEETING :

DELEGATE _____

ADDRESS _____ EMAIL _____

ALTERNATE _____

ADDRESS _____ EMAIL _____



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

The annual show will
be here before we know
it. Have you thought
of joining our display
case contest? You
should!

2018 Meeting Dates

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

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

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

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to learn more!