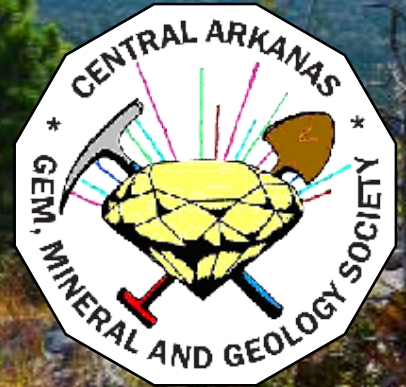


ARKANSAS ROCKHOUND NEWS



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

OCTOBER/NOVEMBER 2016

From the president...



It was a Great Show, I hope that everyone had the opportunity to come by and see all the great minerals, jewelry, crafts, and fossils available. It is always so impressive to see some of the wonders that our Earth provides. There were definitely some museum worthy pieces for sale.

I also want to extend my "THANKS!" for all the hard work so many club members contributed to at this year's show. We had Security roaming the floor, kids digging in the Kids Dig, the Wheel was spinning, the Display cases were filled, vendors had snacks, and Tom & John did a fantastic job lining up the vendors and the show set-up.

Congratulations and Bragging Rights were earned by Mr. George Gray-Major! Great Job! The competition was tough, everyone did a great job and it really did pique the interest of our guests.

The date has been set for the Spring Rock Swap, May 6th at Burns Park, Elder Johnson Pavilion in North Little Rock. I hope that everyone is able to take this opportunity to set up a booth and swap some rocks.

We were presented with a great opportunity on November 12th to go up to Batesville to the quarry to mine some minerals. I am looking forward to this trip, it is always special to go somewhere new. Please be sure bring and wear your protective gear, hard hats, safety glasses and sturdy/hard boots. Those who have signed up will be getting a reminder email the week of the trip.

I spoke to RJ Frost and in honor of Spud, we will make a donation to the Wounded Warrior Project in his name, thank you all for your willingness to recognize him and continue his legacy through our contribution, he will be missed.

Our next meeting was important for the coming year, we began to plan for the 2017 year and elect Officers for next year. We still do not have a candidate for Vice President or Program Coordinator, please consider taking a leadership role. WE NEED YOU! The club vote will be in November, please make sure that you plan 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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501-590-5760

Sunshine, Anita Gray Major
501-227-7853, ggme625@aristotle.net

Publicity, Virginia Wilhelm
501-821-2440, nevadasmith7777@yahoo.com

Programs, Vacant

Meeting minutes...

October 25, 2016

Submitted by Lenora Murray, secretary

The October meeting of the club was opened by President Barbara Champagne, with 30 members and guests present. Guests included Amy Thor and Autumn Lisse from Bauxite, who both became members, and five UALR Geology students; a new member Daniel Butcher, Chris DeGarmo, David, Leah and Ryan. Barbara read the secretary report, and it was voted to accept the minutes with a couple printing errors. Sarah Dodson gave the treasurer report, although some bills from the show were still out. It was moved to accept the treasurer report. Both officers mentioned they would like to step down from their duties in 2017.

On a sad note, Barbara mentioned long-time member Spud Frost passed away after a long illness. We voted to donate \$50 in memory of him to whatever organization R.J. would like. (Secretary Note for our new members; Spud and RJ have set up a booth at every one of our 9 indoor shows, and contributed generously to the door prize and grand prizes. Spud was one of our staunch workers, always on Sunday clean-up duty, putting up tables and chairs, sweeping floors, and staying until the last vendor left, be it 8, 9 or 10 PM. He will be missed by all. May he rest in peace.)

In a switch-up of the schedule, Mike DeAngelis then presenter the speaker, Chris DeGarmo from UALR who gave a very informative presentation about the 2016 Geology Field Camp trip to Colorado. The three-week trip covered parts of New Mexico and Arizona as well as camping in Colorado. His slide show described how the students put in practice all the information they'd learned during their four year pursuit of a geology degree. He thanked our club for the scholarship we give annually to the program to help fund this field trip for 2 to 4 students. The other recipient this year, Kristin Brown, was not able to attend our meeting.

Getting back to business: show chair Tom Sharp gave a quick wrap-up, and mentioned we had one no-show vendor who he was unable to contact. Eight vendors already gave us contracts for next year. And, we had four new members

sign up at the show Barbara thanked everyone for their hard work during the show. She then mentioned the tickets for Blanchard Springs at the end of November are available to be picked up.

Our Field Trip chair David Hodge discussed the upcoming Batesville trip November 12, and passed around a sign up sheet. We need to bring waders, steel toe boots, **hard hats, and safety glasses!** We'll meet at the McDonalds on Race St. in Searcy (Exit 46) at 7:30 sharp to caravan to the Batesville Lime Quarry. It's a working mine and they need an accurate count, so only members who signed up are eligible to attend.

Barbara mentioned the May 6 swap. Flyers are out, and Virginia Wilhelm has started sending out ads. We also received a request for a 'rock exchange' from an Arizona club. In new business, we discussed officers for 2017 which will be voted on in November. Barbara agreed to continue as President. Daniel Butcher agreed to be secretary, and reluctantly Sarah Dodson agreed to continue as treasurer David Hodge will continue with field trips and library, with Nikki Heck as newsletter editor, Anita Gray Major as sunshine and George Gray Major as membership chair. So we still need programs, vice-president and a website person. Our next meeting will be November 22, with a vote for officers. Mike Austen agreed to host the Christmas Party at their home, and will let us know the date in November. The meeting was adjourned for the ever-popular raffle, followed by some quality visiting time.

Field trips...

November 12th

Batesville Lime Quarry

Meet at the McDonald's on Race Street in Searcy at 7:30am

(you must have signed up at the October meeting to attend)

November 26th

Blanchard Springs Caverns

Cave tour (Dripstone Trail) 4:30pm

Caroling in the Caverns 6:00pm

From the editor...

Fall has arrived! Right? Finally? Who knows but we're all into the festivities that are associated with fall so it must be true! I spent two beautiful weeks in Wyoming mule deer hunting (we were all successful), I did get to do a quick bit of hounding on my way there. As luck would have it we passed through southern South Dakota so I made a couple of stops to look for some famed Fairburn agate! I did not find any... I wasn't really prepared, didn't know we were going that way so I didn't have time to research it. Dang! It was a great trip though!

First off, what a great show we had. I heard that we may have had more people attend than in years past. I know it looked crowded and we gained some new members! I would like to also give a huge thanks to all the workers. I think one of the coolest things from this year was the case display contest (way to go Mr. Bill on that idea and that awesome plaque!). It was a fun way to get members and the public more engaged. And what fun cases we had to show off our hobby/collection! Congrats to Mr. George Gray Major on his beautiful display of fossils that earned him first prize. I don't know about y'all but Brandon is already planning his case for next year!

And speaking of those cases... let's get some more mileage out of that idea. So here's what I'm challenging you who entered with- write up a short piece about your display to be featured in the newsletter. We had six cases so that's six months worth of newsletter articles the way I see it! I took photos of each case to add to your write-up. I would like to ask Mr. George to start us off with his winning display. I'll email someone each month to ask them to provide a piece about their case, of course if you want to go ahead and write yours, feel free to send them to me whenever. And if you need me to send you a pic to remember what you had in there, I can do that!

Moving on, I found a presentation coming up on November 16th at UALR that might be of interest to some of you. It's titled "On the Shoulders of Giants: Sub-summit Surfaces in the Rocky Mountains." There is a flyer on page 11 with all the info.

Finally, don't forget to continue to send me your photos and articles/news for the newsletter. Thanks!

Brad's bench tips...

Templates

Whenever I have to make more than 2-3 exact copies of anything, I think of making a template. A template lets me easily draw the shape of an item. Art stores sell templates for common shapes like circles, ovals, hearts, etc. Other sources would include cooltools.us/ and kingsleynorth.com/

For nonstandard shapes, it's easy to make your own template. Simply cut the shape out of sheet plastic or thin sheet metal. My preference is brass. I carefully lay out the shape using a steel ruler, a set of dividers, a scribe, and a fine center punch.

One example is the brass template in the pic below that let's me quickly trace the design of ginkgo leaf earrings onto silver sheet. Another is the nickel template which makes it easy to drill a pattern of holes for pin inlay into wooden handles.



Dental Tools

A ready source of free tools is your local dentist. Dental picks can be reworked into wax tools or straightened and sharpened to make a stylus for marking and layout. The steel in these tools is high quality, and the handles are designed for comfort.

A special note however - If you want to modify the shape of the tool, don't try to just bend it with pliers. Working this alloy of steel while it's cold will cause it to snap. Changing its shape can only be done when it's hot. I work it like a blacksmith. Prop your torch up on the bench so that you can use both hands for the work. Have a hammer

and bench block ready. Heat the tip red hot, and hammer it straight or bend it with pliers.

And don't forget to ask your dentist for some of the cutting burs they throw out. These are useful for a variety of things. It's best to call a week or two before your visit and ask the dentist or hygienist to put some of these tools aside for you. It's good practice also to ask that they run them through the sterilizer for you. If that's not possible, pop them in an oven at around 250 F.

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

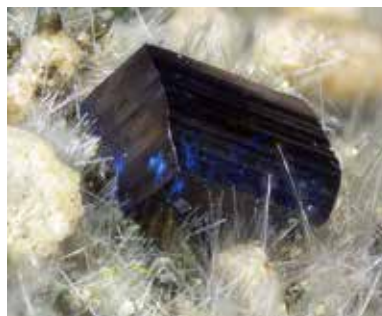
In memoriam...

Henry (Bumpi) Barwood
submitted by Mike Howard

Henry Barwood was born in January of 1947 to Hank and Reba Barwood. He graduated high school in 1965 and entered college, taking his first degree in Music Education. But after his student teaching as a band leader, he decided that music education was not his career path.



He then studied and took a degree in Geology from Auburn University. He started work for the Medical School of Georgia where he operated a scanning electron microscope (SEM). That began his interest in instrumentation and technology. A short time later he reentered Auburn and attained a Master's of Science in Clay Mineralogy.



Blue anatase micro crystal, Jones Mill Quarry, Magnet Cove. H. Barwood

Then he continued his education by entering Virginia Tech where he received two degrees: a Doctorate in Clay Mineralogy and a degree in physics.

His education completed, he then went to work for the Alabama Geological Survey. Then he

held the position of the Head of Research for the Phosphate Institute in central Florida. In 1986 he accepted employment with Arkansas Tech University in Russellville, Arkansas, where he was head of the Arkansas Mining Institute for 3 years. From Arkansas Tech, he became the head of the laboratory for North American Refractories. His next employment was as a researcher for the Indiana Geological Survey. At the time of his death, he was a professor of Earth Science at Troy University in Troy, Alabama.

Henry started collecting minerals as a hobby at an early age, either 5 or 6! He traveled about the USA, collecting at many sites, but his favorite locations were as follows: Indian Mountain and other phosphate

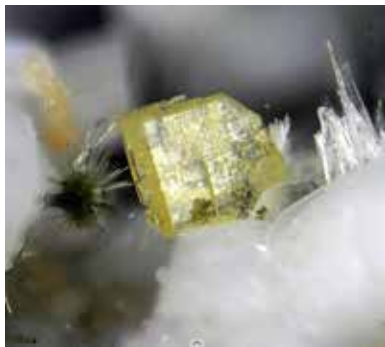


Eudialyte micro crystal, Diamond Jo Quarry, Magnet Cove. H. Barwood

locations in Alabama, Georgia, North Carolina, Tennessee and Florida; Palermo Mine, New Hampshire; Silver Coin Mine in Nevada; the Arkansas phosphate localities of the Ouachita Mountains; the central Arkansas syenite

localities; and Willis Mountain, Virginia.

He was a tremendous “tinkerer” with odd bits of equipment, fueled by a love of that activity! He built at least 4 special microscopes for photographing microscopic minerals. He was pretty much a pioneer in those efforts and has 100s of images of microscopic minerals posted under his name on Mindat.org. He utilized an image stacking program to produce images with astounding depth of field and clarity and was starting to investigate using those techniques to photograph fluorescent microminerals just before his passing on August 6th, 2016.



Barytocalcite micro crystal, Diamond Jo Quarry, Magnet Cove. H. Barwood

He published articles in Rocks and Minerals, Mineralogical Record, American Mineralogist, and other well-known publications. His interests were wide and he was also a published author concerning plant fossils and catholuminescence. Bumpi, as his friends called him, also gave talks to most of the known micromineral groups in the USA, on a regular basis. He also enjoyed identifying minerals for collectors, and had professional contacts worldwide.



One of Dr. Barwood's 4 custom built micromineral photography microscopes.

He loved music and played the baritone from age 12 to present in a local band. He also loved to travel with his family and on collecting trips. They enjoyed family trips to Europe and Southeast Asia.

He is survived by wife, Jane, son Adam, and daughter Shelby, and also a 25 pound miniature black panther named GeeGee.

Collectors across the USA lost a great friend and mineral enthusiast with his passing. Henry did not know at the time of his passing that he had been nominated and elected into the Micromounters Hall of Fame.

Information for this article furnished by Robert Stevens, Barwood's lifelong friend.

ed. note- Dr. Barwood was the admin for the Arkansas Rockhounds Facebook group. It was through here that I “knew” him. His micro photography was unbelievable and it was a joy to see his images. He was always quick to share info about AR minerals with others and to help those interested in micromineral photography.

2016 CAGMAGS SHOW





**1ST ANNUAL
DISPLAY CASE
CONTEST!**

Congrats to Mr.
George Gray-Major
for taking home
the prize!



Kids Corner...

Brandon Heck is the Assistant Editor of Arkansas Rockhound News. He is 8 years old and has enjoyed rockhounding since he could walk. In each issue he will share information about minerals that he loves and about his adventures in rockhounding.

DIAMOND



Luster: Adamantine, Greasy
Transparency: Transparent, Translucent, Opaque
Color: Colorless, yellowish to yellow, brown, black, blue, green, red, pink, champagne-tan, cognac-brown, lilac (rare)
Streak: None
Hardness: 10
Crystal system: Isometric

**data collected from mindat.org*

**STATE GEM OF
ARKANSAS!**

-
- So are you going to visit Egypt? Hmm, I sphinx so.
 - What did the sea say to the shore? Nothing, it just waved.
 - What should we do with crude oil? Teach it some manners of course!
 - Never lend a geologist money. They think a short term loan is a million years.
 - If you look carefully at some rocks, you can see the fossil footprints of fishes.
 - A volcano is a mountain with hiccups.
 - What's the fastest country in the world? Russia
 - Watson: Holmes, what kind of rock is this?
Sherlock Holmes: Why that's sedimentary, my dear Watson.
 - Why would a geologist take his girlfriend to a quarry? Because he wants to get a little boulder.
 - What did the rock say to the geologist? Don't take me for granite.
 - Igneous is bliss.

from <http://www.sciencekids.co.nz/jokes/earth.html>

Upcoming area shows...

November 2016

11-13—PASCAGOULA, MISSISSIPPI: Annual show; Mississippi Gulf Coast Gem and Mineral Society, Jackson County Fairgrounds Civic Center; 2902 Shortcut Rd 39567; Fri. 10-6, Sat. 10-6, Sun. 1-5; \$3 Admission, Free Admission for children under 13; Exhibits, Demonstrations, Educational Resources Available for Purchase: Fossils, Gem Stones, Jewelry, Supplies & More. Contact Bill La Rue, 228-229-8781; e-mail: wildbill2736@gmail.com; Web site: www.mgcgms.org

11-13—HUMBLE, TEXAS: Annual show; Houston Gem and Mineral Society, Humble Civic Center; 8233 Will Clayton Parkway; Fri. 9-6, Sat. 9-6, Sun. 10-5; Admission \$8, Children under 10 free; There will be swap area, silent auctions, free gemstone, mineral and fossil identification, working exhibits, dino dig, kids daze on Friday, Special exhibits, dealers in jewelry, beads, lapidary rough and slabs, minerals, fossils, meteorites, decorative items, geode crackers. Contact Scott Singleton, 10805 Brooklet, Houston, TX 77099, (281)-530-0942; e-mail: showchair@hgms.org; Web site: www.hgms.org

11-13—GRAY, TENNESSEE: Annual show; Kingsport Gems & Minerals Society, Gray, Tennessee; Appalachian Fairgrounds, Building No. 1, 100 Lakeview Street; Fri. 10-6, Sat. 10-6, Sun. 12-5; Adults \$3, Students \$1, Children 6 and under free; There will be hourly door prizes and demonstrations. Contact Robert Morgan, 181 Harmony Acres Drive East, Jonesborough, TN 37659, (423)-956-9486; e-mail: morganjewelry@msn.com

18-20—LOUISVILLE, KENTUCKY: Annual show; KYANA Geological Society, Camp Crestwood ; 7206 Clore Lane; Fri. 10-6, Sat. 10-6, Sun. 12-5; Free Admission; 44th Annual Mineral, Gem & Fossil Show sponsored by KYANA Geological Society. Beautiful custom jewelry, jewelry supplies, beads, gemstones, genuine Australian opals, crystals, minerals and fossils. Door Prizes, children's Activities. Contact Rick Hunter, P.O. Box 32561, Louisville, KY 40232, (502)-298-8871; e-mail: kyanageoshowchair@gmail.com; Web site: www.kyanageo.org

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

19-20—MESQUITE, TEXAS: Annual show; Dallas Gem & Mineral Society, Rodeo Center Exhibit Hall; 1800 Rodeo Drive, (I-635 & Military Parkway); Sat. 10-6, Sun. 10-5; Adults \$8, Seniors \$8, Students \$8, Children \$3; 59th Annual Dallas Gem & Mineral Show. There will be fluorescent displays, silent auctions, door prizes and much more. Contact Diana Case, PO Box 742033, Dallas, TX 75374, (214)-349-2022; Web site: www.dallasgemandmineral.org

December 2016

2-4—MONTGOMERY, ALABAMA: Annual show; Montgomery Gem and Mineral Society, Garrett Coliseum; 1555 Federal Drive; Fri. 9-6, Sat. 10-6, Sun. 11-5; Adults \$2.00, Students/Children free admission; Door prize ticket with each paid adult admission. Dealers will have beads, crystals, geodes, rough, cabochons, gem stones, finished jewelry, tools, supplies and mineral & fossil

specimens. Club members will display their individual collections and will give demonstrations on gem and rock cutting, faceting, cabochon making, and knapping. Contact Terry Fetzer, P.O. Box 3273, Montgomery, AL 36109-0273; e-mail: GemShow@MontgomeryGemAndMineralSociety.com; Web site: www.montgomerygemandmineralsociety.com

2-4—EL PASO , TEXAS: Annual show; El Paso Mineral and Gem Society, Inc., El Maida Shriners Hall; 6331 Alabama; Fri. 10-6, Sat. 10-6, Sun. 10-5; Free Admission. Contact Louie Provencio, 4233 Canterbury Dr., El Paso, TX 79902, (915)-54-2717; e-mail: L1155@yahoo.com; Web site: www.epmgs.com

3-4—LEESVILLE, LOUISIANA: Annual show; DeRidder Gem and Mineral society, West LA Forestry Fair Grounds; 276 H. M. Stevens Blvd.; Sat. 9-5, Sun. 10-4; Adults/Seniors \$2, Children 12 & under free; 32nd Annual Show: Louisiana Opal rough, slabs and Jewelry. Rough rocks, slabs, minerals, fossils, gems and Jewelry. Hands on demonstrations for faceting, capping, knapping and wire wrapping. Contact Adam Valin, 276 H. M. Stevens Blvd., Leesville, LA 71446, (337)-585-3693; e-mail: deridder.rockandgem@gmail.com

10-11—FRANKLIN, TENNESSEE: Annual show; Mid-Tennessee Gem & Mineral Society (MTGMS), Williamson County AgExpoPark (Nashville area); 4215 Long Lane ; Sat. 9-6, Sun. 10-5; Adults \$4, Students \$1, Children free; This show features items that will fascinate and please every age group. From crystals, geodes, and sharks teeth for the kids to artisan & Native American jewelry, to mineral and fossil wonders that the discriminating will love. Plus hourly door prizes, silent auction, exhibits, and demonstrations such as silversmithing, stone cutting, and faceting. Contact Mardy Smith, TN 37214, (615)-417-1416; e-mail: show@mtgms.org; Web site: <http://www.mtgms.org/>



EARTH*talk!*



Dr. Beth McMillan

Professor and Chair

Department of Earth Sciences, UALR

***“On The Shoulders Of Giants:
Sub-Summit Surfaces In The Rocky Mountains”***

Wednesday, November 16th, 2016

at 6:00 pm

EIT Auditorium

University of Arkansas at Little Rock

FREE! PUBLIC INVITED!



Visit ualr.edu/earthsciences for more information

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

We'll be voting
for officers at
the next meeting!

2016 Meeting Dates

November 22nd

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

Join CAGMAGS!

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

Visit www.centralarrockhound.org
to learn more!