



Volume 65 ♦ Number 04 ♦ April 2019 ♦ A monthly newsletter for and by the members of MAGS

Memphis Mineral, Fossil and Jewelry Show



**Rocks, Fossils,
Minerals, Gems,
Lapidary Equipment,
Jewelry and Beads**

THE EARTH WIDE OPEN

Sat. April 27, 9-6 | Sun. April 28, 10-5

Agricenter International
7777 Walnut Grove, Memphis

Presented by the
Memphis Archaeological
and Geological Society

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In this issue

Show Poster	P. 1
Grab Bag Packing Party	P. 1
MAGS And Federation Notes	P. 2
Wonderful Find	P. 3
Specimen Spotlight	P. 3
Field Trips, March and More	P. 4
March Field Trip Photos	P. 5
Chucalissa Family Day	P. 5
Jewelry Bench Tips	P. 5
Who's Coming To The Show	P. 6
Show Work Schedule	P. 7
To All SFMS Members	P. 8
MAGS Notes	P. 8
Fabulous Tennessee Fossils	P. 9
February Board Minutes	P. 10
February Meeting Minutes	P. 11
American History	P. 11
MAGS At A Glance	P. 12

SHOW UPDATE: GRAB BAG PACKING PARTY

This year we will again be packing our grab bags at the Agricenter on Thursday, April 25. So come and help pack. It's a fun activity and all helpers will be treated to pizza. As noted in the Show Work Schedule article we will need extra help on Thursday—which is not on SignUp



Genius. So plan to come. Call Carol, W. C., or Jim to sign up for the party, or help during the day on Thursday.

The packing party is from 5:00 to 7:00 P. M.. We need to have an idea of the number of Member volunteers so we know how much pizza to order. See you there.

CAROL LYBANON

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

MAGS Rockhound News ♦ A monthly newsletter for and by the members of MAGS

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MAGS AND FEDERATION NOTES

Memphis Archaeological and Geological Society,
Memphis, Tennessee

The objectives of this society shall be as set out in the Charter of Incorporation issued by the State of Tennessee on September 29, 1958, as follows: for the purpose of promoting an active interest in the geological finds and data by scientific methods; to offer possible assistance to any archaeologist or geologist in the general area covered by the work and purposes of this society; to discourage commercialization of archaeology and work to its elimination and to assist in the younger members of the society; to publicize and create further public interest in the archaeological and geological field in the general area of the Mid-South and conduct means of displaying, publishing and conducting public forums for scientific and educational purposes.

MAGS General Membership Meetings and MAGS Youth Meetings are held at 7:00 P. M. on the second Friday of every month, year round. The meetings are held in the Fellowship Hall of Shady Grove Presbyterian Church, 5530 Shady Grove Road, Memphis, Tennessee.

MAGS Website: memphisgeology.org

MAGS Show Website: www.theearthwideopen.com

We aren't kidding when we say this is a newsletter for and by the members of MAGS. An article with a byline was written by a MAGS Member, unless explicitly stated otherwise. If there is no byline, the article was written or compiled by the Editor. Please contribute articles or pictures on any subject of interest to rockhounds. If it interests you it probably interests others. The 15th of the month is the deadline for next month's issue. Send material to lybanon@earthlink.net.

April DMC Field Trip

WHERE: Bartow County & Summerville, GA (2 sites)

WHEN: Saturday, April 6, 8:30 am/Sunday, April 7, 9:00 am

COLLECTING: Granite gneiss with blue quartz; lace banded chert/agate

INFORMATION: Charles Carter, (770) 998-1127 or fieldtrips@gamineral.org

Links to Federation News

- ➔ AFMS: www.amfed.org/afms_news.htm
- ➔ SFMS: www.amfed.org/sfms/
- ➔ DMC: www.amfed.org/sfms/dmc/dmc.htm

Wonderful Find

MAGS Member Finds Museum-Quality Fossil



MAGS Member Ava Davis hit the jackpot. Searching in a small stream near Memphis, she saw something interesting exposed (about halfway) in the stream bed. Careful excavation revealed the remarkably well-preserved mastodon tooth you see in the pictures. The tooth weighs about 7 pounds.

Aspiring rockhound (and maybe paleontologist) Ava is 12 years old, and a student at White Station Middle School. This find recertifies her status as her family's top specimen finder (greatest quantity of agates, largest agate from Nonconnah Creek—and largest agate from anywhere, largest and greatest number of Lake Superior agates from the area, largest piece of agatized wood, ...). And now this!

Parents Dave Clarke and Renee Berentsen were already having trouble keeping up with Ava. Now the challenge is even greater.

SPECIMEN SPOTLIGHT: BLADED CINNABAR ON QUARTZ

Species: Cinnabar

Composition: HgS

Locality: Culver-Baer Mine,
Sonoma County, California

Cinnabar has been valued

since antiquity for its brilliant red color and as a source of the metal Mercury. In fact, when ground to a powder it is called "vermillion"—hence the name of the color.

Cinnabar is a soft mineral with a deep red color and a slightly metallic surface luster. It decomposes to its constituent elements on heating. Due to its chemically

bound Mercury content and occasional association with hazardous native Mercury, consider storing Cinnabar in a place inaccessible to children.

Although China is a major source of collector specimens, the featured specimen was collected from Northern California. In contrast to typical

Continued, P. 4

Specimen Spotlight
Continued from P. 3



specimens from China, which often feature lone chunky, prismatic crystals contrasting strikingly with a light matrix of Dolomite or Quartz, specimens from the Culver-Baer Mine may show thin bladed or acicular (needlelike) crystals. The featured specimen shows several such clusters of Cinnabar needles, at least one of which appears as a spray radiating out from a central point. Small white Quartz crystals also coat the surface of the rock and are mixed in with the Cinnabar; thin veins running through the ocher-colored host rock suggest that careful cuts could reveal more material.

This specimen was purchased at the 2018 Earth Wide Open Show.

Editor's Note: Thanks go to MAGS Member Aaron Van Alstine for the idea for this column and for this article and photo.



Volunteer
for
the Show

Field Trips, March and More

Kim Hill

I think I can safely say for everyone that the March Batesville field trip to Midwest Lime Company quarry was a success. We had around 20 rockhounds on this trip, with some members of the Spring River Club joining us.

Midwest Lime went all out to make us feel welcome, and our guide Bill Pryor was, as always, informative and fun. I don't think he was prepared for our "enthusiasm" in collecting.

The day dawned sunny, cloudless, and the perfect temperature for crawling around a quarry. The quarry was huge, about a mile across. In one of my pictures of the pit there is actually an excavator at the bottom. On one side was a beautiful waterfall spilling down the wall.

Collecting in a place like this you really discover how great it is to have fellow collectors there. The camaraderie, yelling out over finds, sharing a good piece just found, ... Warning people I was on my way up with my bucket, they won't let me forget how I found my double nail head twin. Finders keepers.

Having extra hands to help tote heavy buckets down that incredibly steep mound of rocks, you're still not sure just how you made it up there in the first place, and that long walk back to the vehicles ... A big shout out to Leo and his little wagon and to Jan for helping others find good pieces!

We were told there hadn't

been any fluorite found in three years. We smashed that record, with several of us finding some. Granted mine is tiny, but it's still purple.

Our next field trip will be April 20 to Blue Springs, Mississippi, where we can dig for fossilized crabs and other sea life fossils. We will meet at 10:00 at the site.

I want to let our Members know that also on April 20 is the Spring Family Day at Chucalissa. MAGS Members can get in free with their membership card. Chucalissa is planning many fun activities for the day.

We will be having two trips in May. The first one will be May 4-5 to Missouri. We will be going to Eminence and Virburnum. There we will be collecting druzy and calcite, hopefully some of the beautiful orange calcite they have up there. If you like sparkly then Eminence is the place to be.

The second trip will be to one of my favorite places, 20 Mile Creek, on May 20.

I will have information for Blue Springs, Chucalissa, and the Missouri trips at the April 12 Membership Meeting.

Get up, get out, and play in the rocks!



March Field Trip Photos, P. 5

March Field Trip Photos



Photo credits: Kim Hill, James Johnson, Anne Pinkerton

Chucalissa Family Day

Melissa Buchner

*Manager and Volunteer Coordinator
C. H. Nash Museum at Chucalissa*

Chucalissa Family Spring Fun Day is Saturday, April 20, 10:00–3:00. Free admission for MAGS Members. Enjoy a day of family-friendly activities, including guided tours of the excavation trench and nature trail, programs on local wildlife, spear-throwing, building bat houses, and Native American craft demonstrations.

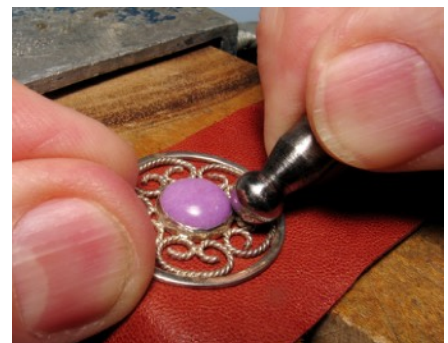
Jewelry Bench Tips by

Brad Smith

BURNISHING BEZELS

A dapping ball can sometimes be used to burnish a bezel. I noticed this when setting some 10 mm cabs on a piece of filigree. It was difficult to get enough pressure with a pusher or a regular burnisher, so I tried a dapping ball and found it much easier. Make sure the ball is well polished (hit it with the Zam wheel) and let it ride along the base of your piece. Se-

lect a ball big enough so its curvature hits the top of the bezel at the best angle to burnish it down onto the stone.



Continued, P. 6

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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2019 Memphis Mineral, Fossil, Jewelry Show Who's Coming To The Show

DEALERS

1. *Stones and Bones-North Carolina*
2. *Arkansas Gems & Bead-Arkansas*
3. *McNeil Minerals-Mississippi*
4. *Volunteer Gems-Florida*
5. *JR Rocks-South Carolina*
6. *Javed's-Georgia*
7. *Rock Barrel-Tennessee*
8. *Eagle's Nest-Mississippi*
9. *Geode Gallery-Illinois*
10. *Fantastic Stones-Louisiana*
11. *Bellpoint-Georgia*
12. *Custom Creations-Mississippi*
13. *Amber America-New York*
14. *Imperial Gem-Georgia*
15. *Fall Creek-Missouri*
16. *Duncan Lapidary Shop-Tennessee*
17. *Super Bead Mart-Texas*
18. *Old Fairview Store-Texas*
19. *Planetary Parts-Georgia*
20. *Designer Cabs-Missouri*
21. *LK Enterprise-Missouri*
22. *EKS-Arkansas*
23. *Earthcrafts-Tennessee*
24. *Caveny Creations-South Carolina*
25. *Db Opal-Wisconsin*
26. *Boxed Rocks-Arkansas*
27. *Atomic Perfection-Colorado*
28. *John Be Crystals-Arkansas*
29. *Wind & Things-Alabama*
30. *Primal Extincts-Arkansas*

DEMONSTRATIONS and DEMONSTRATORS

1. *Mike Baldwin-Fluorescent Minerals*
2. *Kelly Baldwin-Spinning demonstration*
3. *Jennifer Baldwin & MAGS Youth-Earth Science Exhibit*
4. *Deedee Goossens-Crystals*
5. *Cornelia McDaniel-Earrings-Make it and Take it*
6. *Charles Hill.-Gemstone spheres*
7. *Mildred Schiff-Wire wrapping*
8. *Richard Gunter-Flint knapping and Indian artifacts*
9. *Lauren Coulson-Growing copper sulfate crystals*
10. *Reyna Koontz-Wire wrapping*

EXHIBITS and EXHIBITORS

1. Delta State University
2. University of Mississippi
3. University of Memphis
4. Central Arkansas Gem, Mineral, and Geology Society
5. C. H. Nash Museum at Chucalissa
6. North Mississippi Gem and Mineral Society
7. Memphis Stone and Gravel Company
8. Nonconnah Conservancy
9. Bill Prior, Arkansas state geologist
10. 901Rocks
11. The MAGS Collection:
 - The Frank Theobald Mineral Collection
 - Rock Food Table with complete menu.

ROCKZONE- KIDS AREA

1. Gem and Fossils Dig
2. Rocks Around the Clock
3. Geode Bowling
4. Pebble Toss

SPECIAL EVENTS

1. Geode cracking, grab bags, T-Shirts, Books
2. Door prizes every hour or more
3. Grand Door Prize
4. Show dinner

Jewelry Bench Tips
Continued from P. 5

SUPER PICKLE

We've all made the mistake of putting some steel in the pickle pot. This can cause all your pieces to be coated with copper. Easiest way I've found to clean it off is to fill half a coffee cup with new hot pickle and put in an ounce or two

of hydrogen peroxide from the drug store. Throw your pieces in and the coating is gone in about 10 minutes. When finished, pour the solution back into your pickle pot.

Many people think that when some steel gets into the pickle, the solution is contaminated and should be thrown away. Not true as long as you can remove all the

steel from the pickle. In fact, the pickle should work even better after the steel is removed. Pickle works by dissolving the copper oxides that form during soldering. Pickle gets "old" when it cannot hold any more dissolved copper. Putting steel in the pot forces some of the copper to come out of solution, meaning the pickle is then *Continued, P. 8*

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Show Work Schedule

April is the Show month and while the opening ticket sale starts at 9:00 A. M. on Saturday, April 27, there is a lot of work to make sure we are ready:

April Meeting

- Bring bottled water and canned drinks for dinner and hospitality booth. Also more nonperishable packages and 8 foot plastic table covers—Black.
- Pick up postcards; tickets, posters.
- Volunteer.
- Sign up for the hospitality dinner.

Show Tickets

- Provides MAGS Members the opportunity to promote the Show by distributing tickets to the general public.
- Available for use by current MAGS Members. No exceptions.
- Member must sign each ticket. Please make signature legible. One admission per ticket.
- Ticket holder is admitted free to Show.
- At the conclusion of the show each Member must pay—by June 1—the Show \$2.00 for **each redeemed ticket**. After June 1 you must pay \$3.00 for **each redeemed ticket**.
- You are not responsible for tickets that are not used.
- Tickets will be available at the April meeting or request from W. C. McDaniel via email.

Show19 work tasks and schedule			
Day	Hours	event	How you can help
Thursday 25	8-11 am	1. Table vendors setup 2. Move from shed to Agricenter	1. Agricenter- no 2. Nothing before 11:00 am 3. Shed- help move to Agricenter contact Jim
Thursday	11-6	1. Organize show layout	1. Table layouts/ cover 2. Organize as needed
Thursday	5-7 pm	1. Grab bag packing party with food	1. Help pack the bags 2. Organize show layout
Friday 26	9- 6 pm	1. Show prep as needed 2. Dealers move in 3. Exhibits set-up 4. Prepare for show dinner	1. Show prep as needed 2. Dealers move in 3. Exhibits set-up 4. Prepare for show dinner
Friday	6-9 pm	1. Show dinner 2. Final prep for show opening	1. Bring food/drinks for dinner 2. Help clean up 3. Final prep
Saturday 27	8-6 pm	1. Show opens to public at 9:00 am 2. Show closes at 6:00 pm	1. 2-3 hour shifts 2. Front/admission 3. Information 4. Rockzone 5. Where needed
Sunday 28	9-5	1. Show opens to public at 10:00 am	1. 2-3 hour shifts 2. Front/admission 3. Information 4. Rockzone 5. Where needed
Sunday	5-8 pm	1. Show closes at 5:00 pm 2. Breakdown and organize for move back to shed	1. Pack boxes 2. Clean up and organize as needed
Monday 29	8-11	1. Move back to storage shed	1. Help move back to shed

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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Jewelry Bench Tips
Continued from P. 6

able to dissolve more copper.
.....

Be More Productive With
Brad's "How To" Books

[amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

To All SFMS Members

The Southeast Federation is sponsoring a new event this year, which we hope will become an annual event. In an effort to promote interclub and improved SFMS and Club relations, we are sponsoring our 1st Annual SFMS Rockhound Roundup. Because time is short, we are emailing all clubs/presidents to start getting the word out. This will be followed by the addition of a Rockhound Roundup page on the SFMS Website, postings to our Facebook page, and more emails to our member clubs.

The dates are May 17-19, 2019, to coincide with our 2nd Executive meeting, to be held at the same dates and place. The Roundup location is the Suwannee River Music Park near Live Oak, Florida. (<http://musicliveshere.com>[<https://deref-mail.com/mail/client/425Bnyq1QS/dereferer/?redirectUrl=http%3A%2F%2Fmusicliveshere.com>])

Space is limited and time is short, so if any of your members are interested, we suggest applying for a space quickly. If you have a means of sending emails to your club's membership, we ask that you forward this information to get the word out.

If you have any questions, please email me at: Jheerx6@aol.com.

com. I prefer a written means of communication so I can keep record of questions and answers. This is a new venture, and there will most certainly be a learning curve as we progress!

Thank you,

Jerri Heer, Secretary
Southeast Federation of Mineralogical Societies
jheerx6@aol.com
(419) 344-9999



The MAGS Show needs you!
Every MAGS Member with email

Continued, P. 10

OREN DUNN CITY MUSEUM & N.M.S. GEM & MINERAL SOCIETY PRESENTS:

STONES & BONES

MARCH 11TH- APR 18TH Exhibit

FOSSIL SHOW

& GEOLOGY FEST

SAT. APRIL 13
10AM - 3PM

689 RUTHERFORD RD. AT BALLARD PARK // [FACEBOOK.COM/ORENDUNNMUSEUM/](https://www.facebook.com/orendunnmuseum/)
// PH: 662-841-6438

PosterMyWall.com

Fabulous Tennessee Fossils

*Dr. Michael A. Gibson,
University of Tennessee at Martin*

FTF 51 Biostratinomy



We all love to collect fossils. The mere act of finding them in a creek bed or road outcrop is exciting. When successfully extracted, these fossils go into our collections to be cared for in perpetuity. Nevermore will a fossil have to worry about destruction by weathering, or being eroded away, or deformed by burial and mountain building, or being broken and crushed by cars or construction. It will reside in a specially designed box, with an attractive and informative label to give it identity. The box will be safely protected within a cabinet inside a secure room within a house or museum. The collector will admire it periodically, reminisce about the adventure of collecting, and maybe even share the treasure with others. Wonderful, exciting, gratifying. Fossil collectors are the ultimate conservationists and preservationists. We save the oldest and most revered objects, chronicle the biodiversity of a planet, and bring back to life a world that was not actually forgotten (like in archaeology), but never before witnessed by humans! Absolutely noble! But consider this. That fossil brachiopod may have been born 456,297,128 years ago and lived to the ripe old age of 15 years old, which places its death at 456,297,113 years ago. The specimen in our box only represents a mere 15 years of history. What about the remaining 456,297,112 years that the fossil was in exis-

tence, but not living? Most of the time a fossil is not living! Can our fossil give us clues to what was happening for the rest of that time, which is usually the majority of the time a fossil is in physical existence?

The time from birth to death of an organism is referred to as its “ontogeny”—stages of life. Once dead, an organism no longer exerts any control over its environment, rather it is at the mercy of the processes in the environment that include burial processes. These are familiar to paleontologists as processes of preservation mostly. A common grade school activity is to analyze a fossil for its “mode of preservation”, such as recrystallized, replaced, carbonized, or mold and cast. But much happens to an organism before it is fossilized. The branch of paleontology that analyzes anything that happens to an organism from the time it dies to recovery is called “taphonomy” (taphos means death in Greek). Burial and replacement are part of taphonomy. Taphonomy includes many different phase and processes that span all of that time that the organism is not living, through its burial for millions of years, includes the weathering and erosion that exhumes the fossil to the surface of the earth again, and also includes collector bias and processes affecting the organism today.

One part of taphonomy treats

the dead organism as a sediment particle and not an actual organism. Upon death, organisms can be moved by water currents or wind into new positions. They can be reoriented by directional currents to take advantage of streamlined body or shell shape. They may be sorted into accumulations of shells with like shape or like shell form (e. g., only right valves of clams accumulate or concave shells nest inside one another). The study of fossils from the sedimentology perspective—as a particle of sediment to be moved and deposited—is called “biostratinomy”. Figure 1 shows an example of biostratinomy from the Coon Creek Formation. The turritellid snails are oriented with their long axes parallel to one another. There is only so much we can get from the example in Figure 1 as it is a single occurrence involving on a few fossil specimens, but orientations such as this are indicative of a current that realigns shells so that their long axis is parallel and oriented with least fluid resistance in the current. This is the first time that current orientation has been documented in the Coon Creek, suggesting that there were indeed bottom currents capable of moving and re-oriented some shells periodically. If we could get enough examples of this exposed, and we measure the compass orientations of the alignments, we can then infer current flow direc-

Continued, P. 10

Fabulous Tennessee Fossils
Continued from P. 9

tions within the Coon Creek formation at the time of deposition. Corrected for tectonic plate movement, paleogeographic maps of current flow patterns could be constructed. Figure 1 is tantalizing in that it suggests the possibility of reconstructing bottom current flow directions for the Coon Creek fossils, generally believed to be deep enough water that waves and currents didn't affect the bottom routinely, but we will need many more instances of this to get meaningful data. We will explore different aspects of taphonomy in the next several essays.



Figure 1 (left). Photo of Coon Creek Formation sediments exposed at the Coon Creek Science Center. Note that the three of the turrifera shells (~ 2" long) are situated on the same bedding surface with their long axes parallel to one another and the "pointy" end of the shells in the same direction, indicating that a current reoriented them at the time of final burial, thus preserving evidence of current movement directions. The analysis of fossils as sedimentary particles is called "biostratinomy" (photo by Michael Gibson).

MAGS Notes has gotten several messages
Continued from P. 8

from the SignUp Genius. Thanks, if you've already signed up. If you haven't signed up yet, please consider it. **And see the P. 1 article in this issue for details of how to sign up for the grab bag packing party.**

Adult Programs

April: "2019 Show Preview"

May: TBD

Junior Programs

April: "2019 Show Preview" with the adults

May: Mike Baldwin, "The Last Ice Age"

June: Mike Baldwin, "Micro-minerals"

New Members

Chad Ferguson

Danny and Cheri Whisnant

Want to Be a Member?

To become a MAGS Member, just go to our website at www.memphisgeology.org and print out an application form. There is a prorated fee schedule for new Members only. Mail the completed application along with the dues payment to the Membership Director shown on the form. If you are unable to print the application, you can pick one up at the sign-in desk at any of our Friday night Membership Meetings, or simply join at the meeting. Visitors are always welcome at our Membership Meetings but membership is required to attend our field trips.

The most important benefit of being a MAGS Member is getting to know and make friends with other members who have similar interest in rocks, minerals, fossils, and archaeology. All new Members will receive a New Member Packet, a MAGS ID card, and a monthly newsletter via email.

Members are entitled to go on our monthly field trips and get free admission to our annual rock and mineral show.

April Birthdays

- 3 Donna Neal
- 6 Kathy Nagel
- 11 Ryan Ledbetter
Pam Papich
- 13 Ava Davis
- 17 Caleb Bearden
- 21 Ian Ashurst
- 23 Marilyn Shiffman
- 27 Lori Carter
Luken Ledbetter
Kathy Bullard
- 28 Sonya Suarez
- 29 Luis Ortiz

February Board Minutes

Mike Coulson

Called to order at 6:35 by Kim Hill.
Present: Charles Hill, Kim Hill,
Matthew Lybanon,
James Butchko,

Continued, P. 11

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

MAGS Rockhound News ◊ A monthly newsletter for and by the members of MAGS

February Board Minutes Nannett
Continued from P. 10 McDougal-
Dykes, Mike

Coulson, David Clarke, Jane Coop.

Secretary: Distributed the January Minutes for review. Board approved.

Treasurer: Report reviewed and approved. The bottom of the summary page shows the 1/2/19 interest payments we received on our two CDs. Have reimbursed Mike Baldwin for the Show's domain name and for our web-hosting fee. Our next large expenditure will be our liability insurance for the club & Show. No information available on what the cost will be; the SFMS usually waits until late March to furnish this. The Agricenter requires proof of insurance s before our show. Bonnie still working on application to mail at nonprofit USPS marketing mail prices. We have until May to file the club's federal taxes.

Membership: Three new memberships since last Board Meeting. Received a total of 68 renewals for 2019. Bonnie has removed all unpaid members from the newsletter manual mailing list. She also has her new lists for membership/birthdays/manual mailing list and the 2019 MAGS Membership Directory set up with the 2019 paid Members.

Field Trips: February 16 trip to Sugar Creek. The river is still high so Richardson Landing will be revisited. March 16 trip to Batesville Limestone Quarry looking for calcite and fluorite, Blue Springs in April (subject to change). The May trip is planned for 20 Mile Creek.

Adult Programs: Feb. 8, Jane Coop, dinosaur digging. March 8, Mike Howard, Arkansas Crater of Diamonds, Due to MAGS Show, no program in April. May program, Mike Gibson, TN State Fossil. One suggestion was for him to present fossils of Vulcan Quarry in Parsons instead.

Junior Programs: February program on Mountain Building and Con-

tour Map Reading, March, The Last Ice Age.

Librarian: Nannett went over the confusion of the library being available during the Membership Meeting in her absence. She has an assistant, but if both are absent from the Membership Meeting, the library will not be opened. This should not occur often. Four new books being added to the library for the children's section.

Show: Next meeting moved forward a week to February 4. January's speaker, Ryan Smith of Parkin Site in Cross County, Arkansas, wants to set up table to demonstrate and pass out literature about the park. Demonstrators need to contact Bonnie Cooper. Nannett will oversee 901 Rocks.

Rock Swaps: Jane asked if anyone would be interested in having a rock swap at their house.

Editor: February is a short month so deadline to submit material is the 17th or 18th. Open to seeing anything that would interest rockhounds: stories, experiences, photos, etc.

Web: No report.

Old Business: None.

New Business: Every year we have a problem with getting insurance for the Show before April 1. So far this year the form is not yet available. In past it has always worked out and hope it will again.

Adjourned 7:00.

February Meeting Minutes

Mike Coulson

Called to order 7:07.

Membership: One visitor, Janelle Coats. Encouraged folks to get membership dues in. All field trips require membership.

Field Trips: Good group showed up for January trip to Nonconnah. February the club will go to Sugar Creek, meet at Walmart in Millington. Bring donation to owner of property, (\$10). March trip to Batesville.

Show: April 27 and 28, Rock and Mineral Show. All 30 dealers paid up. Need materials for grab bags, please donate. We need to think about drinks, water and soda; bring to March and April meetings. Also be asking for hospitality bags. Use SignUp Genius to volunteer in 2-hour shifts. Must be signed up on SignUp Genius to be qualified for prizes. Six displays.

Program: Jane Coop presented on dinosaur digging: "How to think like a dinosaurologist."

Adjourned 8:20.

American History

Matthew Lybanon, Editor



The national park at Valley Forge, Pennsylvania, marks the site where George Washington and the struggling Continental Army endured a tough winter. But Tom Stack, a volunteer park ambassador, noticed some much older American history in the park: dozens of fossilized dinosaur footprints discovered on rocks used to pave a section of a hiking trail.

To the untrained eye, they appear as indistinguishable bumps in the sandstone rock, with the largest about 9 inches long. Stack recognized the approximately 210 million-year-old rocks known as argillite as being similar in age and type to fossil-bearing rocks used to construct a 1930s-era bridge on the Gettysburg battlefield.

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

MAGS Rockhound News ♦ A monthly newsletter for and by the members of MAGS

MAGS At A Glance

April 2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31	1 Show Committee Meeting, 6:30 pm, Agricenter	2	3	4 Board Meeting, 6:30 pm, St. Francis Hospital	5	6 DMC Field Trip, Bartow County, GA, 8:30 am
7 DMC Field Trip, Summerville, GA, 9:00 am	8	9	10	11	12 Membership Meeting, 7:00 pm, "MAGS Show"	13 Fossil Road Show, Oren Dunn Museum, Tupelo, MS
14	15	16	17	18	19	20 MAGS Field Trip, Blue Springs/Chucalissa Family Fun Day
21	22	23	24	25 MAGS Show prep & grab bag packing party, Agricenter	26 MAGS Show prep, Agricenter	27 MAGS Show, Agricenter, 9:00 am-6:00 pm
28 MAGS Show, Agricenter, 10:00 am-5:00 pm	29 MAGS Show breakdown & cleanup	30	1	2	3	4

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