



Volume 62 ♦ Number 04 ♦ April 2016 ♦ A monthly newsletter for and by the members of MAGS

The Earth Wide Open

President's Message

April Program



April is MAGS's most important month of the year. Our Show, April 23-24, is the time and opportunity for the club to present ourselves to the public, display our knowledge and skills, and to make sure our patrons and vendors have an enjoyable experience. The Show's work needs and opportun-

ities extend over five days and the presented schedule is your guide to help.

All (that means you) MAGS members are requested to help with the show by volunteering your time and help. The following chart is a summary of the schedule. *Continued, P. 3*

In this issue

The Earth Wide Open	P. 1
SignUp Genius	P. 1
MAGS And Federation	
Notes	P. 2
Fossils of the World	P.3
11 Year Old Kid Aims	
For the Impossible	P. 4
February Board Minutes	P. 4
Oren Dunn City	
Museum Events	P. 5
February Meeting	
Minutes	P. 6
Reelfoot Lake Field	
Trip Rescheduled	P. 6
April Birthdays	P.6
Fabulous Tennessee	
Fossils	P.7
March Meeting Pictures	P. 8
CAGMAGS Swap	P. 8
Other Future Area	
Events	P. 8
New Members	P. 9
Adult Programs	P.9
From the Show Chair	P. 9
Biggest Crocodile	P. 9
MAGS At A Glance	P. 10

SIGNUP GENIUS

I hope that all of you are receiving notices from SignUp Genius. The Show is just around the corner. Please take the time to look at the schedule and sign up to help. We especially need help in the RockZone.

If you have not seen any email from SignUp Genius, please let me know; I would be



delighted to add your name. If you would like me to put you on the volunteer schedule without going to SignUp Genius, or if you don't have internet access, just call me at (901) 757-2144. We need all our Members to **Help!**

Thanks for volunteering,

Carol

CAROL LYBANON

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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

2015-2016 MAGS BOARD

President—W. C. McDaniel

2038 Central Avenue, Memphis, TN 38104 ♦ (901) 274-7706 ♦ w.c.mcd@att.net

1st VP (Field Trips)—Charles Hill

1070 Park Swain Road, Grand Junction, TN 38039 ♦ (901) 626-4232 ♦ hunter3006@aol.com

2nd VP (Adult Programs)—Carol Lybanon

2019 Littlemore Drive, Memphis, TN 38016 ♦ (901) 757-2144 ♦ sgcarol@earthlink.net

Secretary—Mike Baldwin

367 North Main Street, Collierville, TN 38017 ♦ (901) 853-3603 ♦ mbaldwin05@gmail.com

Treasurer—Bonnie Cooper

8695 Baylor Road, Arlington, TN 38002 ♦ (901) 444-0967 ♦ rocks4us@hotmail.com

Director (Asst. Field Trips)—Kim Hill

4755 Royal Elm Cove, Memphis, TN 38128 ♦ (901) 388-7572 ♦ earthsis@aol.com

Director (Asst. Adult Programs)—Debbie

Schaeffer ♦ 6854 Corsica Drive, Memphis, TN 38120 ♦ (901) 753-8496 ♦ dayday91@aol.com

Director (Youth Programs)—James Butchko

4220 Dunn, Memphis, TN 38111 ♦ (901) 743-0058 ♦ butch513j@yahoo.com

Director (Asst. Youth Programs)—Leigh Scott

4220 Dunn, Memphis, TN 38111 ♦ (901) 743-0058 ♦ scottchris4481@gmail.com

Director (Librarian)—Marc Mueller

7784 Commodore, Millington, TN 38053 ♦ (615) 491-5110 ♦ skydancer2992@yahoo.com

Director (Asst. Librarian)—Jane Brandon

4384 Castle Avenue, Memphis, TN 38122 ♦ (901) 374-0366 ♦ jjbrandon@yahoo.com

Director (Membership Services)—Bob Cooper

8695 Baylor Road, Arlington, TN 38002 ♦ (901) 444-0967 ♦ rocks4us@hotmail.com

Director (Historian)—Leah Gloyd

2151 Dogwood Creek Court, Apartment 202, Collierville, TN 38017 ♦ (270) 847-3170 ♦ leahgloyd@outlook.com

Newsletter Editor—Matthew Lybanon

2019 Littlemore Drive, Memphis, TN 38016 ♦ (901) 757-2144 ♦ lybanon@earthlink.net

Webmaster—Mike Baldwin

367 North Main Street, Collierville, TN 38017 ♦ (901) 853-3603 ♦ mbaldwin05@gmail.com

Show Chairman—James Butchko

4220 Dunn, Memphis, TN 38111 ♦ (901) 743-0058 ♦ butch513j@yahoo.com

Past President—Paul Sides

1062 CR 739, Wynne, AR 72396 ♦ (870) 400-9060

MAGS AND FEDERATION NOTES

April MAGS Field Trip

Saturday, April 2: Viburnum, Missouri, collecting druze

Sunday, April 3: Eminence, Missouri, collecting calcite

For more information contact W. C. McDaniel, (901) 274-7706 (home) or (901) 490-3575 (cell)

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, TN.

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. If an article has a byline the author is a MAGS Member, unless explicitly stated otherwise (we welcome articles by nonmembers). If there is no byline, the article was written or compiled by the Editor (a MAGS Member). Please contribute articles or pictures (everybody likes 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 Trips

Two trips

WHERE: Hogg Mine, Troup County, GA

WHEN: Saturday, April 16, 9:00 A. M.-5:00 P. M.

COLLECTING: Beryl, rose quartz, smoky quartz, more

INFORMATION: Brian Burgess, (256) 479-2993 or bburgess771@gmail.com

Continued, P. 4

Links to Federation News

➔ AFMS: www.amfed.org/afms_news.htm

➔ SFMS: www.amfed.org/sfms/

➔ DMC: www.amfed.org/sfms/_dmc/dmc.htm

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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

The Earth Wide Open
Continued from P. 1

<p>Thursday, 4/21 Thursday morning—call before coming as vendors need to complete their tasks before we can start. (901) 490-3575</p>	<p>Day, 9:00-6:00 times/events will be fluid</p> <ul style="list-style-type: none"> • Help with move from shed to Agricenter • Show layout (after 11 am or later) • Tables skirted • Rockzone prep • Show prep as needed 	<p>Evening, 6:00 pm</p> <ul style="list-style-type: none"> • Grab bag packing party with food • Show prep as needed
<p>Friday, 4/22</p>	<p>Day, 9:00-6:00</p> <ul style="list-style-type: none"> • Show prep as needed • Dealers move in • Exhibits setup • Prepare for Show dinner 	<p>Evening, 6:30 pm See separate signup for dinner.</p> <ul style="list-style-type: none"> • Show dinner • Final Show prep
<p>Saturday, 4/23</p>	<p>Day, 9:00-6:00</p> <ul style="list-style-type: none"> • 2-3 hour shifts • Front/admission • Information • RockZone • Where needed 	<p>Evening</p> <p>No Show events, except eat and rest up for Sunday.</p>
<p>Sunday, 4/24</p>	<p>Day, 10:00-5:00</p> <ul style="list-style-type: none"> • 2-3 hour shifts • Front/admission • Information • RockZone • Where needed 	<p>Evening, 5:00 to finished</p> <ul style="list-style-type: none"> • Breakdown • Pack, organize
<p>Monday, 4/25</p>	<p>Day, 8:00-11:00</p> <p>Help as needed with move back to shed</p>	<p>Evening</p> <p>No Show events</p>

W. C. McDaniel

Book Review: Fossils of the World: A Comprehensive Guide to Collecting and Studying Fossils

by V. Turek, J. Marek, J.

Benes; edited by Julian Brown

Mike Baldwin

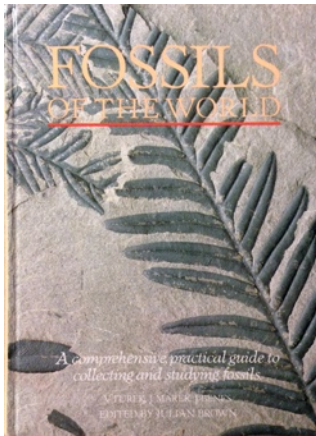
This is a very refreshing look at fossils from the perspective of a collector, like you and me. V. Turek chose the fossils to discuss

in this book based on their commonality in western Europe, and their interest for collectors. The use of large, colorful photographs and comprehensive text to describe the selections make this a great reference and study guide. There are over 800

Continued, P. 4

Book Review

Continued from P. 3



full-color photographs and 300 line drawings throughout. Some of my favorite fossils to collect are ammonites and crinoids, so I spent a fair amount of time in the Mollusca and Echinodermata sections of the book, as did the author. There are some beautiful examples of Jurassic and Cretaceous crinoid calyx and stems represented. Although the photographs of most of the specimens on display here are from western Europe, the species shown can be found in a much wider global community. I would recommend this book for collectors seeking a reference to help them identify fossils in their own collection, but I would also recommend it as a quick reference guide to anyone seeking to expand their knowledge by studying fossils.

April DMC Field Trips

Continued from P. 2

2: WHERE: Jacksons Crossroads Amethyst Mine, Wilkes County, GA (fee site)

WHEN: Saturday, April 23, 8:00 A. M.

COLLECTING:

Amethyst, quartz

INFORMATION: James

Webb, (904) 314-0303 or jameswebb.jgms@gmail.com

11 Year Old Kid Aims For the Impossible



Editor's Note: This article, while unusual for MAGS Rockhound News, may be of interest to MAGSters and other rockhounds.

Eleven year old Judah Tyreman and his six year old sister Avi are trying to do something that no other kids in the world have ever attempted: crowd funding on Kickstarter to start a geology museum in memory of a friend.

Last year, Judah created a four month hands-on exhibition of his huge geology collection that attracted visitors from all over the country, and as far away as China. During that exhibition, Judah met mineral dealer Stuart Sesula. Stuart was so impressed that he helped with donated specimens and lots of stuff at cost.

Stuart was in an accident when he was young that left him paralyzed, but that didn't stop him from amassing a huge collection of

minerals and gems, or from buying and selling all around the world. With Stuart's help, Judah had over 1500 specimens in his display.

Here the story takes a sad turn. After the show Stuart got sick and died. Stuart must have been impressed with Judah, because he left him his collection. Judah didn't want this wonderful collection to just sit in boxes; he wanted to create a museum to show the collection.

Of course, that costs money. Judah's Dad told him about Kickstarter and crowd funding. You can go to https://www.kickstarter.com/projects/237100011/fossil-replicas-and-the-sesula-mineral-and-gem-museum?ref=category_popular to see a video about Judah's plan to open the Sesula Mineral and Gem Museum, to pass on Stuart's love of geology to everyone who visits.

February Board Minutes

Bonnie Cooper for Mike Baldwin

Present: W. C. McDaniel, Bob Cooper, Bonnie Cooper, Marc Mueller, Jim Butchko, Leigh Butchko, Jane Brandon, Debbie Schaeffer, Kim Hill, and Charles Hill. Also attending: past president Paul Sides, Youth Liaison Michael Montgomery, and Member Leah Gloyd.

Secretary: Mike is out of town but his January Board minutes were emailed to Board Members.

Treasurer: The January checking register and summary were emailed to Board Members. Hard copies of bank statements (Nov. 2015-Jan. 2016) along with the checking registers and checking summaries for Dec. 2015 and Jan. 2016 were sent around the table for *Continued, P. 5*

Oren Dunn City Museum Events

The Oren Dunn City Museum in Tupelo is hosting the 3rd Annual Fossil and Rock Exhibit. The exhibit began March 21 and will continue through mid-May.

In conjunction with the exhibit, the museum will put on "Geology Fest," a special event for geology fans of all ages, on April 9. Oren Dunn has teamed up with the North Mississippi Gem & Mineral Society to put on the exhibit and event.

"Geology Fest" will feature a "Fossil Road Show," activities, prizes and a fossil dig for children. The road show will allow people to bring their own found fossils or stones for identification by a professional geologist.

George Phillips, paleontology curator at the Mississippi Museum of Natural Science, Louis Zachos, assistant professor of geology at the University of Mississippi, and Robert Langford, a professional geologist and NMGMS member, will all be present to make identifications.

Exhibit on display

March 21-May 20, 2016

Mon.-Fri., 8 AM-5 PM

(662) 841-6438

689 Rutherford Road, Tupelo, MS 38801

February Board Minutes review.

Continued from P. 4

Bonnie

confirmed

that the church rent for Jan.-Jun. was paid and the checks have been cashed. Bonnie commented that the cost for Holiday Party meat was lower than last year's cost, and we had more meat. We budgeted \$11,140.00 but only spent \$7,809.78. She gave Board Members who were present a form to request funding for their positions.

Membership: Bob advised that since the last Board Meeting we have added 5 new Members and had 20 renewals.

Bob passed around a list of unpaid members for 2016. He asked if anyone speaks with any of these Members to remind them about renewing.

Field Trips: The next scheduled field trip is February 13 to Pickwick Lake. If the water level is too high we will go to Sugar Creek. Charles and Kim will check out Pickwick on Wednesday. Carol Lybanon will lead the March field trip to Reelfoot Lake. There is a fee for the boat ride to the site. We voted to continue the policy of having the club pay part of the fee. W. C. advised James Johnson in Missouri

should be available the first weekend in April for a field trip. Charles is currently working on some new potential fossil sites.

Adult Programs: Speakers for next few months are: February, Dr. Podzorski; March, Bill Lawrence; April, W. C. & Jim; May, Robert Connolly.

Junior Programs: In February Jim will be doing experiments with the 3 states of matter. Leah will do a mosaic project in March. W. C. inquired about the average number of youths attending meetings; Jim replied that the average is 10-12. *Continued, P. 6*

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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

February Board Minutes

Continued from P. 5

Historian/Rock Swaps: W. C. advised that Jim McNeil will do the rock swap again at his house; no date set yet. If anyone knows of someone who would like to host a rock swap, let W. C. know.

Librarian: Marc will be traveling more for work so he will rely on Jane Brandon more. He will get a set of cabinet keys for Jane and he advised that Carol already has a set of keys.

Web: No report.

Newsletter: W. C. advised to send all articles and pictures to Matthew for the newsletter.

Show: Jim said there were 4 Members at the last Show Meeting. Per Jim we have around \$22,000-\$23,000 in the Show account. Jim has emailed the security company for this year's rates. W. C. told Jim to send a sponsorship letter to Memphis Stone and Gravel. Per W. C. there will be no speaker program or Boy Scout program this year due to lack of volunteers to handle. Carol has sent out the SignUp Genius to all Members. Kim is handling Facebook and Marc is handling Show website updates.

Old Business: W. C. will resend his original suggestion for the volunteer program that was sent to the Board Members 1/2/2016. We will discuss at a later Board Meeting.

New Business:

- Charles has a friend who is interested in joining MAGS. She does websites and might be interested in the Webmaster position. She is familiar with Deamweaver, which we think is what Mike uses.
- W. C. advised we need to have a backup system for all MAGS records to prevent any possible loss.
- Paul will take a grant writing seminar soon and hopes to be able to get us some grant money. Bob asked if Paul has spoken with the

Jonesboro Gravel Company about getting us back in for a field trip; he has not.

- W. C. brought up Carol's request to get a laptop to be used for presenting programs. We need to list the features we need so we can get someone to research prices, etc. Paul suggested we find out exactly what our speakers' needs are for a laptop.
- Charles brought up the idea of having a remote microphone to use during the meetings. W. C. asked him to research cost, etc.
- W. C. advised that while he was at the Tucson show he picked up the Grand Door Prizes for the 2017 & 2018 Shows and also got the members' gifts for the 2016 Holiday Party.

February Meeting Minutes

Mike Baldwin

Meeting called to order at 7:00 p.m. 35 members, 8 visitors, and 1 new Member attended.

Field Trips: The field trip to Reelfoot Lake will be the day after the March Membership Meeting. For tomorrow's field trip there will be a \$3.00 parking fee.

Show: Friday night before the Show we have a dinner. Carol reviewed how to use SignUp Genius to register for volunteer spots. Grab bag packing will be Thursday evening before the Show. Juniors are asked to sign up to work in the RockZone. April 23-24 are the Show dates. There are 30+ vendors, with demonstrators and exhibitors. The Show is the biggest source of income for MAGS and we can't do it without volunteers. W. C. showed the grand door prize—a fossil fish from the Green River Formation in Wyoming. He also showed us a petrified wood bowl and an amethyst cylinder. Carol Lybanon introduced our guest

speaker, Dr. Podzorski, curator at the Museum of Egyptian Art at the University of Memphis. She has been with the university for 15 years. Her presentation was entitled "Power from the Earth: Stones and Minerals Used in Ancient Egyptian Ritual." Dr. Podzorski invited us to visit the museum on April 9 from 10-2, during Family Day.

Meeting adjourned at 8:30.

Reelfoot Lake Field Trip Rescheduled

Carol Lybanon



May 21 is the new date for the rained-out March trip. We are now working on a second boat. Please let me know if you can join us. We have places for about eight more people. The club will cover half of each person's tour charge. Your check for \$7.50 per person will guarantee your place on the boat. Let me know either by phone ((901) 757-2144) or email (sgcarol@earthlink.net).

April Birthdays

1	Carmel Verrier
3	Donna Neal
4	Joy Rushing
5	Sunny Finch
6	Allen Bowers Kathy Nagel
8	Eric Von Boeckman
17	Caleb Bearden
21	Emily Neal

Continued, P. 7

April Birthdays
Continued from P. 6

- 23 Marilyn Shiffman
- 27 Halley Scott
Tamie Dunn
Lori Carter
Kathy Bullard
- 28 Sonya Suarez
- 29 Luis Ortiz
- 30 Pamela Mendel
David Waddell



Figure 1. Cobbles of the trace fossil *Skolithos linearis* used as landscaping for a pizzeria in Williamsburg, Virginia (Photo by MAG, 2016). The *Skolithos* burrows come from rocks in western Virginia, which can be traced to Chilhowee Mountain just to the west of our Great Smoky Mountains. *Skolithos* “pipe rock” is over 500 million years old.

Fabulous Tennessee Fossils

Dr. Michael A. Gibson,
University of Tennessee at Martin
Skolithos linearis



Incertae sedis
Form Genus *Skolithos*
Form Species *linearis* (Haldeman)

I am writing this essay from Williamsburg, Virginia...the Colonial Capital...and my childhood home. I grew up in Williamsburg and graduated with my Bachelor of Science degree in 1979 from The College of William and Mary. I spent much of my middle school years through college collecting fossils from local outcrops, road gravel, and railroad ballast. Fossiliferous strata exposed around Williamsburg are relatively young geologically (Miocene-Pliocene Epoch; 5-10 million years old). I ran into an “old friend”, fossil friend, while leaving a local Williamsburg pizzeria this week. The large rounded stream cobbles used for landscaping near the building contained well-preserved *Skolithos linearis* (Figure 1). So, what does *Skolithos* found in Virginia have to do with Tennessee fossils?

Skolithos linearis is a long, narrow, straight, unbranching, tube that is usually found in clean sandstone or quartzite. It was originally named in 1840 by paleontologist Samuel S. Haldeman of Pennsylvania for specimens he found in Lower Cambrian age (500-540 million years old) sandstone strata in the Appalachian Mountains. I began researching the origin of the gravel deposits used in Williamsburg and it appears the gravels used for landscaping in eastern Virginia were derived from

east-flowing rivers that drained the Appalachian Mountains of the western part of Virginia during the Paleogene Period (60-25 million years ago) when sea level was higher than today. It was at this point I ran across another old friend, my first geology professor at William and Mary, Dr. Bruce K. Goodwin, who passed away in 2008. It appears that Dr. Goodwin was one of the geologists who had mapped the *Skolithos*-bearing rocks in the Blue Ridge of western Virginia and it was his research that I was using for this article. I recall that he was the first to introduce me to this trace fossil in the middle 1870’s in my introductory geology course. Dr. Goodwin was one of my favorite professors and it appears he continues to instruct me so many years later and after his death.

The *Skolithos* in the cobble in Figure 1 eroded out of the Lower Cambrian Harpers Formation in western Virginia. This formation is lightly metamorphosed into a metasandstone and is nearly completely composed of quartz. The Harpers is interpreted to be a Cambrian beach deposit along the edges of ancestral North America (referred to as Laurentia) long before the Appalachian Mountains were formed. The beaches contained burrowing worms that excavated the long straight *Skolithos* subtidal burrows for feeding. The density of burrows is so great that sometimes the rock is referred to as “pipe rock”. For many years, *Skolithos* was considered a “guide fossil” to the Cambrian in the absence of any actual body fossil remains.

So, what is the connection of Virginia *Skolithos* gravels to Fabulous Tennessee Fossils? The Antietam Formation in Virginia is *Continued, P. 8*

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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

Fabulous Tennessee Fossils part of
Continued from P. 7 the

Chilhowee Group of rocks, best exposed in the northeast to southwest running Chilhowee Mountain portion of the Blue Ridge in southwestern Virginia and...you guessed it...extending down into Tennessee almost to Chattanooga. In Tennessee, the Chilhowee Group contains several formations, including the Nebo Quartzite and overlying Hesse Quartzite, which are the primary unit bearing *Skolithos*. It is well exposed along Chilhowee Mountain on Hwy. 321 just east of Townsend near the entrance to the Great Smoky Mountain National Park and near the town of Chilhowee to the southwest near the intersection of along Hwy. 129 Foothills Parkway. Both of these outcrops are favorite stops for me to take students and teachers. My lab is full of large *Skolithos* boulders. I even have one in a flowerbed at home. Like in Virginia, the white meta-sandstone, quartzite, contains abundant *Skolithos* burrows correlated these Early Cambrian beaches with one another. Imagine being to reach the beach from Memphis in half the time...if you lived in the Cambrian. It was nice to see my old friend *Skolithos* when I entered the pizzeria in my hometown so many miles east and so many years younger and to ponder the chain of learning from my professors to me to my students and teachers....and now to you.

**Show
Dates
April 23 and 24
See you there!**

March Meeting Pictures



Thanks, Bill—Carol giving Bill Lawrence a thank-you gift for a great program.



Da Winnahs! Some of the winners in the 2015 SFMS newsletter article competition, holding their award certificates.

CAGMAGS Swap

The Central Arkansas Gem, Mineral and Geology Society will be having its annual swap meet on Saturday, April 9. It will be from 9:00 A. M. until 4:00 P. M. at the Elder Johnson Pavilion in Burns Park, next to the park visitors center. This is in North Little Rock, just off I-40 on Military Drive. There is no charge to set up. Bring your own tables or tailgate. This is a swap for rock or fossil related items only. Everyone is welcome to attend. Come meet other rockhounds from the area and just have fun. For more information contact Mike Austen at (501) 868-4553 or Steelpony@aol.com.

Other Future Area Events

GMS May Show: The Georgia Mineral Society's 48th Annual Mother's Day Weekend Gem, Mineral, JewelFossil Show will take place May 6-8 at the Cobb Civic Center, 548 South Marietta Parkway SE, Marietta, Georgia.

Check www.gamineral.org for details.

FOSSIL Project Conference: The FOSSIL (Fostering Opportunities for Synergistic STEM with Informal Learners) Project's 2016 mini conference will be in Cincinnati, Ohio, June 3-5. The event includes two days of field trips to iconic Cincinnati Arch field sites (Ordovician and Silurian geologic age) with crinoids, trilobites, brachiopods, mollusks, echinoids, etc., as well as a full day of exciting talks, student research poster presentations, breakout sessions, and a townhall meeting with officers from the Paleontological Society. For more information, contact Eleanor E. Gardner, FOSSIL Project Coordinator, Florida Museum of Natural History, (352)-273-1936, egardner@flmnh.ufl.edu, or fossil@flmnh.ufl.edu.

SFMS 2016 Workshops: William Holland Workshops will take place June 5-12. There will be workshops on Beading, Cabochons, Casting, Chainmaille, Faceting, Gem

Continued, P. 9

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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

Other Future Area Events Trees, Mineral ID, Opals, Polymer Clay, Silver II-SW Silver, Wire I and II (Wire Weaving & Wire Wrap), and Filigree. For more information, contact Cindy Reed at (863) 255-5256 or cdreed57@tampabay.rr.com.

New Members

- Cari Brose
- William Burtch and Peter Raccasi
- Jessica and Noel Clark
- Arlene Oleartchick

Adult Programs

If you missed our March program you missed a great talk about Reelfoot Lake. Here is a list of not-to-miss upcoming programs.

- ☑ April: W. C. and Jim, "What Every Member Needs to Know About the Show"
- ☑ May: Dr. Robert Connolly, "My Time at Chucalissa"
- ☑ June: George Phillips, Paleontology Curator, Mississippi Museum of Natural Science, "A Late Oligocene Coastal Ecosystem from Wayne County, Mississippi"
- ☑ July: Dr. Roy Van Arsdale, University of Memphis, "The Geology of the Mississippi River"
- ☑ August: Indoor Rock Swap and Picnic

From the Show Chair

Jim Butchko

We have less than a month to

wait for the 37th annual Memphis Mineral, Fossil, & Jewelry Show. It's at The Agricenter in Memphis at 7777 Walnut Grove Road. Saturday, April 23, the hours are 9 A. M. to 6 P. M. and Sunday, April 24, from 10 A. M. to 5 P. M.. Like all annual events, it's going to happen whether you participate or not. I haven't been to all 36 previous shows but I'm going to this one. There will be more than 400 tables full of glorious rocks, fossils, and jewels. Some for sale, some just to admire, some free for the taking. There will be professors from colleges or old fossil friends from nearby clubs to tell me what I won on the pebble toss or found at the Gem Dig. I find out something new every year. Lapidary demonstrators showed me how to facet and wire wrap my gems last year. Even the Rock Food Table isn't set the same way every time.



The excitement for me begins on Thursday evening at 5:30 P. M. when we fill the grab bags at the Agricenter. These are donations from most of the previous 36 shows. If you've never done this before, it's something to see. It's like handling and admiring about the same amount of rocks you'd see in 20 years worth of field trips.

Come right after work. We'll have plenty of pizza, snacks, and drinks. If you want to chip in on the eats, bring Coke products. Come earlier on Thursday if you can help set up tables and displays. On Friday, not much help is needed early as the dealers set up. At 6:30 or earlier on Friday the 22nd of April, all of the volunteers and dealers will sit down for a pot luck (free to you) dinner. Leonard's BBQ will supply the main dish but you can bring a dessert or side or drinks. But most important, bring yourself, your family and your friends. If you can't make it to the setup or the dinner, we really hope you make it to the Show. If not this year, we'll see you next. Whatever you do, it will be appreciated.

Biggest Crocodile

Paleontologists have discovered the fossil remains of the world's biggest ocean-dwelling crocodile buried on the edge of the Sahara, in Tunisia. This prehistoric predator grew to 10 m long. The new species, *Machimosaurus rex*, was described online in *Cretaceous Research*.

Although the recovered remains are fragmentary, enough remained in the 120-million-year-old rock to identify the reptile as the largest known member of a peculiar lineage of crocodiles that spent their lives almost entirely at sea.

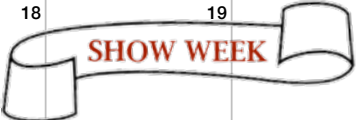
Ref.: F. Fanti et al, The largest thalattosuchian (Crocodylomorpha) supports teleosaurid survival across the Jurassic-Cretaceous boundary, doi:10.1016/j.cretres.2015.11.011

MEMPHIS ARCHAEOLOGICAL AND GEOLOGICAL SOCIETY

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

MAGS At A Glance

April 2016

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28	29	30	31	1	2
				Board Meeting, 6:30 pm, St. Francis Hospital		MAGS Field Trip, Viburnum, MO
3	4	5	6	7	8	9
MAGS Field Trip, Eminence, MO					Membership Meeting, 7:00 pm, "The Earth Wide Open" PRIZES!	CAGMAGS Swap, North Little Rock/Oren Dunn Geology Fest, Tupelo
10	11	12	13	14	15	16
						DMC Field Trip, Hogg Mine, Troup County, GA
17	18	19	20	21	22	23
				Grab bag packing and pizza, 5:30 pm, Agricenter	Show barbecue dinner, 6:00 pm; bring side dish/dessert to share	MAGS Show, The Earth Wide Open, 9:00 am-6:00 pm
24	25	26	27	28	29	30
MAGS Show, The Earth Wide Open, 10:00 am-5:00 pm						

Memphis Archaeological and Geological Society
 2019 Littlemore Drive
 Memphis, TN 38016

