

The Paleo Times

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The Official Publication of the Eastern Missouri Society For Paleontology

EMSP SOAPBOX

By Ryan Fairbanks & Faye Whobrey

If you have any articles, comments, or need to communicate with me I can be reached through the following: emsp.sec@mofossils.com.

Next meeting

Next meeting is **Friday, September 11, 2015** at 7:30 pm in the New Earth and Planetary Sciences building at Washington University (see more details below).

President's Corner August 2015

Did you find something this summer that you need help identifying? Be sure to bring to the September meeting and let our "experts" assist you.

Greater St. Louis Association of Earth Science Clubs – Scholarship Program:

REPEAT – WE NEED APPLICANTS: The Association has funds available for up to three (3) scholarships up to \$500 each for this year. There is a link under "Fossil Links" on our website (www.mofossils.com) for more information regarding the scholarship program. **Click on the link that has "forms" in it to get the application.**

Election of Officers:

- What office would you like to volunteer for?
- Think about the strengths of your fellow club member – maybe they just haven't thought

about supporting the Club in a particular office or committee – nominate them.

- It takes the time, energy and talents of many people to make our Club work for everyone and continue to provide the learning/sharing/information atmosphere that helps each of us.

Meeting Schedule. Remember our new format where program will be first and business meeting after break.

August picnic: Club picnic was great (as usual). Thanks to Rick and Carl for all their work and great chefs! Did you participate in the silent auction? What fun and a great way to add new specimens to your collection. Many thanks to Bruce for his donation of "prepped" fossils from Ardeola and to John for his donation of dental picks for fossil prep.

- **September 11, 2015:** What we did on our summer vacation (Show and Tell)
- **October 09, 2015:** Dr. Bruce on St. Louis Pleistocene. Slate of Officers will be proposed and nominations from the floor will be accepted.
- **November 13, 2015:** Potential speaker is Andrew McDonald on the Igenodon family (a genus of ornithomimid dinosaur that existed roughly halfway between the first of the swift bipedal hypsilophodontids of the mid-Jurassic and the duck-billed dinosaurs of the late Cretaceous). We will have election of officers in the second half of the meeting.
- **December 2015:** Annual Christmas Party (date & location to be announced). Any volunteers on hosting the party?

We want to have “MINI” Presentations at most of our meetings. Have you read a good book? Have you researched a specific fossil? What is your favorite formation for collecting – Why – Examples? Let me know so we can add you to the agenda. We have openings for these for each of our meetings starting with September.

Field Trips: If you have suggestions for field trips or would like to lead a trip, please contact Bruce, Chris or Faye.

- June and July: We had several field trips to Ardeola – great specimens, lots of fun and heat! Will schedule more this fall when it is cooler.
- Fall trips to Mark Twain Lake (Keokuk and Burlington formations), HWY MM (Decorah formation), Barite Pit (Potosi formation), Mark Twain Nation Forest south of Cherokee Pass (Cambrian and Pre-Cambrian) and possibly to Fulton area (Keokuk formation and others) to be planned.
- **Steve would appreciate volunteers with our out-reach program for scouts and schools. Contact him for details.**

Shows:

- Greater St.Louis Association of Earth Science Clubs.** August 14-16, 2015. Machinist Hall in Bridgeton, MO. We need volunteers for setup/teardown and for working our booth and ticket booth.
- St. Louis Mineral and Gem Club.** November 20-22, 2015. White Rogers Community Center, Afton, MO. We need volunteers for setup/teardown and for working our booth.

Volunteer outreach help needed-
NO EXPERIENCE NECESSARY!

Please sign up to help staff the Rockwood school district requests and any other for fossil presentations/demonstrations/science night tables. Let year we reached at least 3 science nights at elementary schools, a number of day time presentations, and a library summer reading club. We have the outreach kit- just take and open the lid for an instant interactive table. An accompanying

book has more details on each fossil. A PowerPoint presentation is also in the works

Paleo-shorts

Triceratops Tooth Complexities

When it comes to the three-horned dinosaur called the Triceratops, science is showing the ancient creatures might have been a little more complex than we thought. In fact, their teeth were far more intricate than any reptile or mammal living today.

Their teeth were constructed of multiple layers of tissue. Each one of the layers had a slightly different function when it came to chewing plant material. They could grind and shred whatever came their way with ease. This enabled the Triceratops to have a much wider diet than previously thought.

Florida State University. "Paleo-engineering: Complexity of triceratops' teeth revealed." ScienceDaily. ScienceDaily, 5 June 2015. <<http://www.sciencedaily.com/releases/2015/06/150605181935.htm>>

Britain's oldest sauropod dinosaur from a fossil bone discovered on the Yorkshire coast

Experts have identified Britain's oldest sauropod dinosaur from a fossil bone discovered on the Yorkshire coast. The vertebra (backbone) originates from a group of dinosaurs that includes the largest land animals to have ever walked on Earth. This new sauropod dinosaur, from the Middle Jurassic Period at about 176 million years old, was found near Whitby, Yorkshire, after it fell out of a cliff face. This find represents the earliest skeletal record of this type of dinosaur from the United Kingdom and adds to existing evidence from Yorkshire dinosaur tracks that this part of the country was once Britain's very own 'Jurassic World'.

Manchester University. "Britain's oldest sauropod dinosaur identified from fossil bone that fell from a cliff face." ScienceDaily. ScienceDaily, 1 June 2015. <<http://www.sciencedaily.com/releases/2015/06/150601141523.htm>>.

EMSP Meetings

Meetings are held the 2nd Friday of every month (except July, August, and December) in room 203 of the new Earth & Planetary Sciences Building on the campus of Washington University. The building is on the southwest corner of Hoyt Dr. and Forest Park Pkwy. There is a large parking lot just across the street.

CONTACTS

Do you need to find out something about the next meeting or have questions on the next field trip? If so, please talk to or contact one of the EMSP officers.

President: Fay Whobrey

(emsp.pres@mofossils.com)

Vice Pres: Abigail Fairbanks

(emsp.vp@mofossils.com)

Treasurer: Rick Poropat

(emsp.tr@mofossils.com)

Secretary: Ryan Fairbanks

(emsp.sec@mofossils.com)

Educational Outreach: Steve

Bynum(emsp.outreach@mofossils.com)

DUES

Our treasurer, Rick will accept dues payment for a full year. **Dues are \$20.00 per household per year-payable in January if receiving the newsletter by e-mail. The dues are \$25 for those receiving the newsletter by regular mail.** See Rick at the next meeting or mail a check (payable to Eastern Missouri Society for Paleontology) to:

EMSP

P.O. Box 220273

St. Louis, MO. 63122

Distribution of the Newsletter by email

Can't find your newsletter, just when you need it for a trip? Then sign up for the e-mail version. This also saves the club money so we can bring in speakers. E-mail requests to

emsp.sec@mofossils.com



What is EMSP?

The Eastern Missouri Society for Paleontology (EMSP) is a not-for-profit organization Dedicated to promoting the enjoyment of fossil collecting. It is open to all individuals interested in learning about the history of life on earth. The club membership includes professional paleontologists as well as amateur hobbyists. The EMSP provides an open forum for the exchange of information and access to expertise on collecting, identifying, preparing and displaying fossils.

EMSP meetings are held on the second Friday of every month (except July, August and December) at 7:30pm in the Earth and Planetary Sciences Building on the campus of Washington University. Each meeting includes an informal exchange of information and speakers on a variety of fossil-related topics.

Weather permitting, field trips to fossil collection localities around the St. Louis area are held each month. Led by experienced collectors, these trips are a fun way to augment discussions at the monthly meetings. The club participates in joint field trips with other paleo clubs, visiting fossil sites throughout the United States. EMSP is also a proud to be involved in partnerships with the St. Louis Science Center and the Greater St. Louis Association of Earth Science Clubs, Inc.

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FIRST CLASS MAIL

