

# The Paleo Times

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The Official Publication of the Eastern Missouri Society For Paleontology

## EMSP SOAPBOX

*By David Lukens & Carl Campbell*

If you have any articles, comments, or need to communicate with me I can be reached through the following: [dmslukens@yahoo.com](mailto:dmslukens@yahoo.com) (personal).

### Next meeting

Next meeting is **Friday, Feb 8, 2013** at 7:30 pm in the New Earth and Planetary Sciences building at Washington University (see more details below).

**Please remember dues were due starting January 1 so remember to put a check in the mail or bring to the February meeting.**

**We will start looking after the February meeting of clearing our mailing list of those who are no longer members.**

## PRESIDENT'S BOX

Prez' Box  
February, 2013

Our February meeting will focus on staffing our committees; mainly Speakers Committee and Field Trip Committee. Also, we need start a new one: an Outreach Committee. Steve Bynum has agreed to chair this committee (by virtue of the fact that I nominated him and he didn't say "NO"). So be thinking of which one you will join and remember, by the power vested in me- I CAN APPOINT! I think.

At the last meeting Abby suggested we put together a fossil bin for our school visits. This is a better idea than a fossil display; bigger specimens. Pete, Henry

and John have donated a few specimens. We need more! Abby is in charge of this one. So clean out your collection (it's time) and donate some fair to good specimens, both Missouri and other areas, that would be suitable for elementary school demonstrations and bring them to our next meeting. Please give them to Abby.

The Prez'

Carl Campbell

## Thanks / Congratulations

Thanks to the Steve and his son James for providing a presentation to the Webelos at the St. Peter's School in Kirkwood. This went over very well (see attached thank you).

Hi Steve,

I just wanted to extend my thanks to you and James for such a wonderful program last week. The information you shared was very educational and interesting. The boys really enjoyed it, and so did I!

I will pass along this information to the Den. We may just have a budding Geologist in our midst! Thanks again!  
Sue McLaughlin

Thanks to Dennis Whitney (KC fossil club) for his talk on the Ordovician Period of the Anti-Atlas Mountains and his trip to Morocco.

We received a nice Thank You letter from the WU Earth Sciences Building personnel for the fruit basket we gave to them for Christmas.

## Welcome

We had another excellent meeting with 60 members and guests in attendance. Welcome to a number of guests including Gregg & family, and members of the STL Gem & Mineral Society: Keith, Roy, and Glenn. We also had a visit from John a member visiting from Tulsa OK.

The club members are on our website so if you want to check out some dubious characters, check out the website at

<http://mofossils.com/EMSP%20Web%20Members/index.htm>

### **Lost & Found**

Last chance! Serving dishes and other items were left behind at the holiday party. Please contact Rick if you are missing something. These items were brought to the January meeting and will be on display again at the February meeting. Any items not claimed by the February meeting will be considered abandoned and will be disposed of.

### **Dues are Due**

Dues are \$20.00 per household per year if receiving the newsletter by e-mail or \$25 per household per year if receiving the newsletter by regular mail. All dues are payable in January. A late membership will be carried for an additional month. After February, unpaid members will be dropped from the mailing list. See Treasurer, Rick at the February meeting or mail a check (payable to Eastern Missouri Society for Paleontology) to:

**EMSP  
P.O. Box 220273**

### **NEXT MEETING (January)**

Items to be discussed during the November meeting  
- Plans for Spring 2013 field trips

### **Upcoming Events/ Field Trips**

1. Dates are set for the 2013 Board of directors meetings, dates are the following, if you want to attend let any of the officers know and we will provide directions:

2/25/2013 (REVISED DATE & PLACE – at Faye's house), 4/22/2013, 6/10/2013, 8/11/2013, 10/21/2013, December 2013 at the Christmas party.

Meetings start at 6 PM, club members are welcome but need to RSVP to club officer. For addresses, please contact myself or another club officer.

2. March (date undetermined) – Club Field Trip to Coon Creek TN with it continuing on to Mississippi to collect fossils. The fossils are Coon Creek are Cretaceous and fragile but can be very nice. The fee to visit the site is \$150 which will be divided among the people who will be going. This will be a weekend trip (drive down Friday), Cook Creek Sat. and Mississippi on Sunday.
3. The Rock Hobby Club will be having a Rock and Fossil show and sale at the Machinist Hall in Bridgeton on March 22-24, 2013.

### **Notes from the Meeting**

Thank you to Scott & Laura for hosting the Christmas Party. Club dues are owed as of the start of the year, please mail in or bring them to the February meeting.

Dates for Paleotrek are set for 7/5/13 to 7/26/13. Carl Campbell will be running this in Jordan Montana. If you are thinking of going you should make hotel reservations quickly. If you want the opportunity to prospect and help excavate dinosaur bones, this is your chance. The club agreed to buy some additional fossils at the Tucson show to refill our supply of things to sell at the local shows. No specific monetary amount was set but the plan was to spend under \$1000. Steve Bynum (club member) will be giving a presentation at on geology and fossils at one of the local schools. There is also request for another presentation at Fairway elementary in the Rockwood School District.

Therefore the club is asking for donations of fossils (especially good MO fossils) that we can put in a collection to show at the schools (see Carl's note).

Discussion was held on the plans for a field trip to Coon Creek TN which is still being planned. David

donated books to the club which were auctioned off for \$33.

Dennis Whitney gave an excellent presentation on his fossil tour of Morocco (10 day trip) and discussed the Ordovician of the Anti-Atlas Mountains. He discussed the different quarries that they went to, the types of species and fossils that were found, and their similarity to the formations in Missouri.

We are always looking for more donations of small fossils (quarter size or smaller) for the fossil boards. We are especially in need of small trilobites (the Utah ones are best) were also looking for horn corals, other corals, gastropods, bryozoans, and other donations. Please bring to the next meeting so we can meet later and work on putting more fossil boards together for the upcoming show.

### **Paleo-shorts**

-Original and summary articles provided by members of EMSP. Where possible, I have tried to add in website where you can read more.

<http://www.sciencedaily.com/releases/2013/01/130131095314.htm>

New studies in New Mexico indicate that a comet explosion did not lead to the extinction of the Clovis culture. The main reasons are the no impact craters of the correct size and no "shocked" materials been discovered dating to this time. Carbon dating of the major evidence provided by the opposition: nanodiamond-bearing carbon spherules associated with the shock of an asteroid's impact were determined to be of recent origin not 13,000-year-old. Some scientists believe that the culture changed from Clovis to Folsom spear points which means their civilization changed not collapsed.

<http://www.sciencedaily.com/releases/2013/01/130130184200.htm>

A cluster of tapeworm eggs discovered in 270-million-year-old fossilized shark feces suggests that intestinal parasites in vertebrates are much older than previously known. Tapeworms are common now, found in many animals, but they are rare in fossils with less than 1 in 500 samples showing evidence. Examination of the fossils showed some be eggs and others to be larva. The fossils were from the Middle-Late Permian deposits of Brazil.

<http://www.sciencedaily.com/releases/2013/01/130124091532.htm>

The remains recently found of a new bird-like dinosaur from NE China dating to between 120-130 MYA may reveal new insights into the origin of flight. The new feathered dinosaur about 30 cm in length is named *Eosinopteryx* and predates the bird-like dinosaurs that birds were long thought to have evolved from. The feathered but flightless dinosaur, had a small wingspan and a bone structure that would have restricted its ability to flap its wings. It also had toes suited to walking along the ground and fewer feathers on its tail and lower legs.

<http://www.sciencedaily.com/releases/2013/01/130123195356.htm>

Canadian paleontologist have used teeth to identify more than 23 species of small meat-eating dinosaurs that roamed western Canada and the United States, 85 to 65 million years ago. Previously only 7 species of small carnivores had been identified.

Small meat-eating dinosaur skeletons are exceedingly rare in many parts of the world and, if not for their teeth, would be almost completely unknown, The researchers say the huge increase in the number of small meat-eating species to 23, shows that instead of a few species existing for many millions of years, there were actually many small meat-eating species, each existing for shorter periods of time.

<http://www.sciencedaily.com/releases/2009/10/091006155909.htm>

Canadian scientists have found evidence of cannibalism among dinosaurs dating to 70 MYA. In 1996 the jaw of a *Gorgosaurus* was found Alberta with the tip of a tooth from another meat-eating dinosaur embedded in it. This proves that the two animals had fought. The wound showed no evidence of healing, indicating it died after the attack. The fossil record shows that *Gorgosaurus*, a 10-metre long cousin of the bigger, more famous, *Tyrannosaurus rex*, outnumbered other meat-eating dinosaurs in the area. There is only one proven case of dinosaur cannibalism. That evidence was found in Madagascar in 2007.

[http://www.plenglish.com/index.php?option=com\\_content&task=view&id=1064901&Itemid=1](http://www.plenglish.com/index.php?option=com_content&task=view&id=1064901&Itemid=1)

Outside of Montevideo Uruguay, researchers are looking for evidence of humans dating to 30,000 years ago. The first remains were found in this area in 1997 in a natural lagoon that had dried up. The remains belong to previously found glyptodonts and giant sloths that lived there 30,000 years ago, and scientists estimate they should have weighed around three tons. They also found stone fragments that would correspond to man-made tools. There is evidence on the bones of working marks indicating that human tools were used on them.

#### **UPCOMING ROCK, GEM OR FOSSIL SHOWS 2013**

February 2–16—Tucson, AZ. **Arizona Mineral and Fossil Show (Tucson Show), Hotel Tucson City Cntr., 475 N. Granada; Mineral & Fossil Marketplace, 1333 N. Oracle Rd.; Ramada Ltd., 665 N. Freeway. Info.—[www.mzexpos.com](http://www.mzexpos.com).**

February 15-17, Kirkwood, MO, Cabin Fever Productions Annual Jewelry, Gem, Mineral & Fossil Show. See details at <http://cabinfeverproductions.yolasite.com/>, Friday 4-9 PM, Sat 10am-6 PM, Sun 10am-4 pm, **KIRKWOOD COMMUNITY CENTER, 111 South Geyer Road, Kirkwood, MO 63122**

March 15-17, Kansas City, MO, Kansas City Gem and Mineral Show at the KCI Expo Center.

Saturday, March 16 & Sunday, March 17, 2013, GATEWAY CENTER, ONE GATEWAY DRIVE, COLLINSVILLE, ILLINOIS, EAST PLAZA DRIVE, JCT. OF I-55 AND RT. 157

April 4-7, 2013 MAPS EXPO Mid-America Paleontology Society Fossil Only Show Sharpless Auctions Facility, I-80 Exit 249, Iowa City, IA [www.mofossils.com/MAPSExpo2013.pdf](http://www.mofossils.com/MAPSExpo2013.pdf)

April 19–21—Denver, CO. **Colorado Mineral & Fossil Show, Ramada Plaza Denver Central, 4849 Bannock St. Info.—[www.mzexpos.com](http://www.mzexpos.com).**

May 4-5, Cincinnati, OH, [Geofair - Gem, Mineral, Fossil & Jewelry Show of Greater Cincinnati](http://www.geofair.com/). See details at <http://www.geofair.com/>

June 21-23 Bloomington, IN, [Lawrence County Rock Club Show at the Monroe County Fairgrounds](http://www.lawrencecountyrockclub.org/rockshow.html). See details at <http://www.lawrencecountyrockclub.org/rockshow.html>

August 16-18, Bridgeton, MO (St. Louis area) , Greater St. Louis Association of Earth Science Clubs Show. See details at <http://www.stlearthsci.org/Show/Flyer.aspx>

September 6-8 Greenfield, IN, Greater Indianapolis Gem & Mineral Show - Hancock County 4-H Fairgrounds, U.S. 40 and Apple St.; Fri. 10-7, Sat. 9-7, Sun. 10-4; free admission. Put on by the 500 Earth Sciences Club. See details at [http://500earthsciencesclub.org/Annual\\_Show.html](http://500earthsciencesclub.org/Annual_Show.html)

#### **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. Please note that the e-mail contacts have changed

President:

Carl ([EMSP.Pres@mofossils.com](mailto:EMSP.Pres@mofossils.com))

Vice-President:

Faye ([EMSP.VP@mofossils.com](mailto:EMSP.VP@mofossils.com))

Treasurer:

Rick ([EMSP.Tr@mofossils.com](mailto:EMSP.Tr@mofossils.com))

Secretaries:

David ([dmslukens@yahoo.com](mailto:dmslukens@yahoo.com))

Ryan

#### **DUES ARE DUE**

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 [dmslukens@yahoo.com](mailto:dmslukens@yahoo.com)



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 Earth & Planetary Sciences building is on the southwest corner of Hoyt Drive and Forest Park Pkwy. There is a large parking lot just across the street.

# 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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