

# 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, September 13, 2013** at 7:30 pm in the New Earth and Planetary Sciences building at Washington University (see more details below). BUT remember the club picnic on August 11<sup>th</sup>.

Please mention in the newsletter that anyone attending the Fossil Symposium at the Falls of the Ohio Museum in August will **not** be covered by the EMSP liability insurance policy. The Symposium had advertised that proof of local club liability insurance might be required for the field trip on Monday, however, EMSP liability insurance only applies to EMSP sponsored events.

Thanks! Rick

## PRESIDENT'S BOX

Greetings from Montana! Several of our club members (Rick and Tim, Paul, Casey and Sam) have spent some time here. Carlton along with Bruce and Judith are with me the full 3.5 weeks. Casey and Sam had a fabulous discovery (Casey will talk about it at the picnic and September meeting). We also excavated a juvenile *Triceratops* skull with both brow horns. A few other isolated large bones have been recovered. The wild flowers are beautiful; it's

been a very wet spring-lots of green grass and fat cows. Rick asked me to mention that anyone attending the Fossil Symposium at the Falls of the Ohio Museum in August will **not** be covered by the EMSP liability insurance policy. The Symposium had advertised that proof of local club liability insurance **might** be required for the field trip on Monday, however, EMSP liability insurance only applies to EMSP sponsored events. Time to clean out your collection and bring your extras to the 1<sup>st</sup> Annual EMSP Picnic Silent Auction. Your board is making plans for the auction; details forthcoming. See you in August.

Carl Campbell

### Thanks / Congratulations

Thanks to Faye for the notes from the meeting and the board meeting, otherwise I would have nothing for the newsletter.

### Welcome

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>

### NEXT MEETING (June)

Items to be discussed during the Fall meeting

- Plans for Fall 2013 field trips
- What you did this summer
- Results of Machinist Hall Show'
- Plans for the November Affton White show
- 

### Upcoming Events/ Field Trips

Please include the following link on our website: <http://mofossils.com/calendar.html#AUGUST>

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:  
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.

8/11/13 (Sunday)- EMSP annual club picnic and fossil raffle at Kirkwood Park (NE corner near the tennis courts). Same shelter as previously. Reserved from 9 am to 9 pm, . Club will provide the meats, breads, condiments, drinks, ice, table wear – members are asked to bring their SPECIAL covered dish or desert. We will eat at 12 noon. There will be silent auctions where members can sell their own fossils with 15% going to the club. Members will need to bring their own tables, etc. The club will also have a table. It will be similar to MAPS. The club will provide auction sheets. May have the shark teeth for sale in bulk (have 10 kilos). Scales will be available for weighing purchases.  
B of D meeting prior. We will have fossil auction this year.

#### Picnic Auction

This year's picnic activity will be a silent auction by club members selling their fossils and fossil-related items. The auction will begin at 10:00 am and end around noon when the food will be served. If there is interest, we will continue the auction after everyone has eaten. This is a great opportunity to rid yourself of extra fossils and make some money for yourself and for the club!

The auctions will operate as follows: Each participant will bring fossils and fossil-related items to sell with 15% of the proceeds going to the club and the remainder to the seller. Sellers will fill out an information/bid

sheet and set the minimum bid for each item. Each item will have a minimum price. There will be a sheet for each item where you can write your name and your offer. At the close of the 10 minute period the highest bid that beats the minimum wins. **Sellers** should provide their own table (card table size) to display their items on. The club will furnish information/bid sheets and pens. The auctions will be run in 10 minute intervals as timed by the "official timer". To keep the process flowing smoothly, it is suggested that sellers limit each sale to 3 items per 10 minute auction. At the end of each auction, winning bidders will bring their items and bid sheets to the treasurer for payment. Each seller will have an account for the day and will be paid at the end of the picnic.

Please contact Rick ([EMSP.Tr@gmail.com](mailto:EMSP.Tr@gmail.com)) if you plan to participate as a seller so we can plan the auction strategy.

2. Aug 16-18, 2013 - Machinist Hall Show - We will have a table to sell and demonstrate. We will need volunteers so please contact Carl Campbell, Marie Shoemaker or myself. We will start sending out the signup sheets in July, this is a major money maker for us and we will need your help.

The hours of the show are Friday Aug 16<sup>th</sup> – 3 PM-8PM, Sat. Aug 17<sup>th</sup> 10 AM-6PM, and Sun Aug 18<sup>th</sup> 11 AM-5 PM. Address is 12366 St. Charles Rock Road (Bridgeton) St. Louis County. Just off I-270 and St. Charles Rock Road. EMSP will have 4 tables for selling and we must be demonstrating also. We will also be responsible for setting up and making displays for 4 tables and 4 cases which will show the fossils from famous fossil locations in the USA. Famous Fossil Sites in the USA: there will be 5 displays: Green River formation (WY & UT), Lee Creek (NC), Hell Creek (MT, SD), Ice Age (MO, KS), and Kitty Litter Site (MO).

#### Notes from the Meeting

2. There is a Fossil Festival at the St. Louis Science Center, Saturday, June 15<sup>th</sup>, from 10:00 am – 3:00 pm. The following members volunteered the

provide support at the identification table: Mike, Rick, Carl, Pat, and Mark. Carl said that anyone going to St. Louis Science Center should park at the Planetarium and walk over the overpass as the Planetarium does NOT charge for parking.

3. EMSP Annual Picnic will be August 11<sup>th</sup> from 10:00 am to ??? at the Kirkwood Park Lions Pavilion – down from the tennis courts. Club will provide the meats, breads, condiments, drinks, ice, table wear – members are asked to bring their SPECIAL covered dish or desert. We will eat at 12 noon. There will be silent auctions where members can sell their own fossils with 15% going to the club. Members will need to bring their own tables, etc. The club will also have a table. It will be similar to MAPS. The club will provide auction sheets. May have the shark teeth for sale in bulk (have 10 kilos). Scales will be available for weighing purchases.

4. The Machinist Hall Show will be August, 16-17-18. We will need volunteers (signup sheet will be online on our website) to staff the ticket booth and our booth. The Special Exhibit will be Famous Fossil Sites: Green River (John & Tom); Hell Creek (Carl); St. Louis Decorah (Rick); Ice Age (Rich).

5. Meeting Schedule:

July – No meeting

August – Picnic

September – Summer Vacations (Young people, please come prepared to present yours)

October – Montana Fossils (John)

November – Probably Trilobite Expert from KU

December – Christmas Party

6. Falls of the Ohio are having a Silurian Symposium (August 24-25-26).

7. . Park Hills Rock Swap, this weekend, June 14-15-16.

8 Old Business: Bruce renewed his request for EMSP to fund part of the expense of excavation of the overburden and poison ivy at the Ardeola site. The Board of Directors' last meeting denied the request but it was presented at large to the club. A motion was made and passed to pay \$500 towards excavation. Bruce is to provide a contract, defining work to be done and amount of cost, who can have access. Start date for excavation will be July or

August and club will sponsor a field trip there probably in October.

9. Field Trip to Holts Summit Quarry on Saturday, June 22<sup>th</sup>, lead by Faye. We will meet at the quarry at 10:00 am for a brief safety instruction and sign-in. This is for members only and all must have signed liability waivers. Requirements for entry into the quarry includes: hard hat, steel-toed shoes, reflective vest, and eye protection when hammering. Everyone should bring plenty of water and a lunch. For those wanting to carpool, we will LEAVE rest stop just West of Wright City at 8:30 am.

10. Presentation: Rick gave an excellent informative presentation on “Crinoids – Lilies of the Sea.” He accompanied the presentation with fantastic specimens as examples and MOST were from Missouri!

11. Thanks to those who provided the delicious refreshments.

## **EASTERN MISSOURI SOCIETY FOR PALEONTOLOGY**

### **Board of Directors Meeting**

**10 June 2013**

### **Minutes**

The June 10, 2013, meeting of the Board of Directors for the Eastern Missouri Society for Paleontology was called to order at 6:00 pm by President Carl at the home of Rick.

Those in attendance were: Carl, Rick, Chris, Ryan, Pat, Marie, and Faye.

Absentee members: David, Bruce, and Steve.

The following items were discussed:

1. Rejected request to fund excavation at Ardeola site.
2. Falls of the Ohio State Park in Clarksville, IN, is hosting a fossil symposium for serious amateurs and paleo-educators in late August.
3. Meeting Program Schedule:
  - June: Rick on “Missouri Crinoids – Where to Find, What They Look Like, and Why They Are Important.”
  - July: No meeting.
  - August: Picnic at Kirkwood Park
  - September: What We Did on Our Summer Vacations – Kids, be prepared to participate.

- October: John
- November: List of several potential speakers and Election of Officers for 2014/2015.
- December: Christmas Party.

#### 4. Picnic:

Same format as last year's.

- Carl & Rick – Meats, condiments, paper plates, utensils, drinks, & ice.
- Members – Bring your specialty side dish/desert/etc.
- Open at 10:00 am, start fire at 11:00 am
- Silent Auctions:
  - Individuals (bring your own card tables) – 15% goes to the club treasury
  - Club Table – Assortment of great items
  - Club will provide a standard bid sheet for each item.
- Kid Give-Aways
- Show & Tell

#### 5. Machinist Hall Show: August 16-17-18/2013.

- Marie Shoemaker will be the show contact (Carl "gone" most of summer).
- Dave – Sign up sheets for both booth and ticket counter. These will be posted on-line.
- 4 "special exhibit display boxes" and special exhibit table for larger items
- Usual tables in the sales area
- Demonstration table – prepping fossils
- Theme: Famous Fossil Sites:
  - Green River, WY – John & Tom
  - Hell Creek, MT – Carl
  - Hwy 21 & Hwy MM – Decorah – Rick
  - MO Ice Age – Pat will contact Rich Hager (Table with big bones and box of small stuff)
- Advertising:
  - Show committee is reducing the number of cards mailed out by 600.
  - Pat to update flier & post on website
  - Dave to send out to membership.
  - Faye to Post on FREE websites: craigslist, Chesterfield Chamber of Commerce, EventBrite (if no conflict) – need help with Facebook as I don't use that.

- Any suggestions for advertising are welcome.

- Robot Dino and Puzzle Dino will be used to attract children/parents to our area.

6. Meeting Rosters: We will start having a Member and a Guest Sign-In Rosters beginning with the June meeting.

7. Field trip for June - The field trip will be 22 June to Holts Summit Quarry. Holts Summit is just north of Jefferson City on US-54 West. Quarry is about 2 miles west of Holts Summit on Route OO. At 10:00 am we will meet at the quarry for a brief safety tour prior to our entry. Minimum age requirement is 18 years old. Proper safety attire/equipment: hard hat, steel-toed boots, reflective vest, goggles while hammering, follow team leader's instructions.

8. Next Board of Directors Meeting will be prior to picnic in August.

9. St. Louis Science Center will no longer be the repository for our fossils collected on BLM. They will now go to Emporia State or KU.

9. Meeting was adjourned at 7:30 pm. Rick served delicious pizzas and lime/pudding filled cupcakes – lip smacking good.

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.

#### **Update on Holts Summit Quarry**

Although the formations were right, there wasn't much found. A couple of crinoid heads, a few brachs, one thing of millerite, some interesting rocks. After everyone had left and Ruth and I were leaving, we decided to check out some boulders on the way out and we found a few of what we think are shark teeth (going to have Dr. Bruce confirm). We will probably try out another of the Capital Quarries this fall

but not returning to this one. It was a good day

though. There was a breeze in the quarry which usually doesn't happen, Site Manager was extremely nice and left the office open (for restrooms) and we were allowed to leave when we wanted.

Faye Whobrey

INFORMATION RELATED TO Paleontological Resources Preservation Act

Club members may want to read this and provide comments if you like collecting

June 28, 2013

Dear Colleagues: This message is from President Carlson concerning the Paleontological Resources Preservation Act (PRPA). It follows from the earlier U.S. Forest Service memo sent to you on May 22, Note that the comment period on this important issue ends on July 22, 2013. -- MW

The Paleontological Resources Preservation Act (PRPA) was passed in 2009. Please consult the following websites for background information on the law:

<http://nature.nps.gov/geology/nationalfossildata/prpa.cfm>

and to read the text of the law itself:

[http://nature.nps.gov/geology/nationalfossildata/prpa\\_text.cfm](http://nature.nps.gov/geology/nationalfossildata/prpa_text.cfm)

Two Federal Departments will be publishing draft regulations separately:

- Department of Agriculture (DOA: U.S. Forest Service) and the
- Department of the Interior (DOI: National Park Service, Bureau of Land Management, Bureau of Reclamation, and Fish and Wildlife Service)

The DOA-USFS regulations appeared in the Federal Register on May 23, 2013 (<http://www.gpo.gov/fdsys/pkg/FR-2013-05-23/pdf/2013-12173.pdf>) and comments on these draft regulations must be submitted no

later than **July 22, 2013**. Written comments concerning this notice should be addressed to USDA Forest Service, Michael Fracasso, M&GM, 740 Simms Street, Golden, CO 80401. Comments may also be made by the electronic process available at the Federal e-Rulemaking portal at <http://www.regulations.gov>. All comments, including names and addresses when provided, are placed in the record and are available for public inspection and copying.

DOI regulations will come later, and there will be a separate commentary period for those regulations, with no carryover of the comments that are made now for the DOA-USFS draft regulations.

The Paleontological Society encourages all members to read the texts of the legislation and the draft regulations carefully, and to send in comments before July 22, 2013 when the 60-day comment period closes. Numerous clauses in this Act appear to have potentially significant implications for paleontologists and paleobotanists whose research involves the collection of invertebrate or plant fossils on Forest Service land. For example, Sec. 6304.c3 of the PRPA states that (3) specific locality data will not be released by the permittee or repository without the written permission of the Secretary, thus proposing regulations to ensure the "confidentiality of paleontological locality information." This clause makes it difficult for scientists and museums to publish scientific data, including locality data, on fossils that were collected, legally with permits, on Forest Service lands, without prior approval of the Secretary of Agriculture. This could have significant implications for the research practices of all paleontologists and paleobotanists, but particularly for field-oriented scientists. Numerous other clauses in the Act relate to the nature of the collection process itself, inspection of collections once made, as well as the approval of repositories where collections would be housed. Various penalties, some significant, are defined for violations of these regulations. Also, "common invertebrate and plant paleontological resources collected for

research purposes . . . would need to be authorized under a permit in accordance with Sec. 291-13 through 291.20." However, "PRPA also includes provisions allowing for casual or hobby collecting of common invertebrate and plant fossils without a permit on Federal lands managed by the BLM (DOI) and the U.S. Forest Service (DOA), under certain conditions." This would seem to place a higher burden on professional paleontologists wanting to publish scientific data to share with the rest of the paleontological community, than on casual collectors of fossils, who "may remove up to one gallon of material in volume or 25 pounds in weight, and up to five specimens of each type of fossil per calendar year."

Comments on both draft regulations should be constructed carefully, keeping in mind that the agencies are required to prepare these regulations in conformance with their mandates for resource protection and in compliance with the wording of the PRPA law. Because any comments that are made must have some relevance to the way in which the regulations are being formulated and interpreted from the law, it is important to read both the law and the draft regulations before preparing your comments.

Again, to familiarize oneself with the provisions of this Act and the potential impacts on their research activities, the Paleontological Society encourages all members to read carefully the text of the proposed regulations (on the Federal Register: <http://www.gpo.gov/fdsys/pkg/FR-2013-05-23/pdf/2013-12173.pdf>) as well as the text of the legislation ([http://nature.nps.gov/geology/nationalfossilida y/prpa\\_text.cfm](http://nature.nps.gov/geology/nationalfossilida y/prpa_text.cfm)) and to send in comments *before July 22, 2013*, when the 60-day comment period closes.

Sandra J. Carlson  
President, The Paleontological Society

REQUEST FROM GIL PARKER AT KMPS (KS-  
MO Paleo Soc.)

This is a good opportunity to help one of our members of KMPS. View his project and vote for his project. I think it is a great idea.

Gilbert Parker

**From:** [Luis Rodriguez](#)  
**Sent:** Monday, July 01, 2013 6:11 PM  
**To:** [Matthew Christopher](#)  
**Cc:** [Janet Stern](#) ; [Elaine Ceule](#) ; [Sherry Tyhurst](#) ; [Nick Cline](#) ; [Patrick Hess](#) ; [srizzo@unionstation.org](mailto:srizzo@unionstation.org) ; [gilparker@comcast.net](mailto:gilparker@comcast.net) ; [Ashlea Christopher](#)  
**Subject:** Re: 3D Printing Contest

Sweet!

Luis E. Rodriguez

On Jul 1, 2013, at 5:08 PM, "Matthew Christopher" <[Matthew.Christopher@park.edu](mailto:Matthew.Christopher@park.edu)> wrote:

My Instructable tutorial on 3D printing a dinosaur from photos appears to be featured today. It looks like I've already got over 700 views and a few votes!

The link to the 3D printing contest is here:  
<http://www.instructables.com/contest/3dprinting/>

last I looked, mine was the 4th project down with the dinosaur skull photo thumbnail.

From there you can view project on [Instructables.com](http://www.instructables.com) and vote to help me win a 3D printer!

### **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.

Russian researchers headed by well-known mammoth-hunter Semyon Grigoriev have just found something amazing in the ice on one of Siberia's [Lyakhovsky Islands](#)—a frozen woolly mammoth that still had liquid blood. [The](#) mammoth is thought to have been around 60 years



old and was buried by ice between 10,000 and 15,000 years ago. The researchers found the preserved mammoth in temperatures around 14 Fahrenheit—far below freezing. Poking at ice cavities found alongside the mammoth’s frozen remains with an ice pick caused liquid blood to flow. Grigoriev said. “The blood is very dark, it was found in ice cavities below the belly and when we broke these cavities with a pick, the blood came running out. Aside from flowing blood, the team also found mammoth muscle with the “natural red color of fresh meat,”

## UPCOMING ROCK, GEM OR FOSSIL SHOWS 2013

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)), and  
Ryan ([EMSP.Sec2@mofossils.com](mailto:EMSP.Sec2@mofossils.com))

## 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 (once we pick some...) 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.

