

# The Paleo Times

Volume 14 Number 11

November 2015

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](mailto:emsp.sec@mofossils.com).

### Next meeting

Next meeting is **Friday, November 13, 2015** at 7:30 pm in the New Earth and Planetary Sciences building at Washington University (see more details below).

## President's Corner

November 2015

### Election of Officers:

### Responsibilities of the offices:

- **President:** The President shall preside at all meetings of the Society and the Board of Directors; appoint all committees and oversee all activities of the Society; shall be an ex-officio member of all committees; may authorize the payment of obligations of the Society for ordinary operating expenses, not to exceed \$100.00 in any one month and may sign authorized checks against the Society's account when the Treasurer is not present.
- **Vice-President:** The Vice-President shall preside at meeting in the absence of the President. In the event that the president is

unable to perform the duties of his/her office, the Vice-President shall assume the duties of the President until such time as the President is able to resume the duties of the office.

- **Secretary:** The Secretary shall record minutes of all meeting of the Society and of the Board of Directors and provide the President with a copy prior to the following regular meeting. The Secretary shall conduct all correspondence of the Society, except that which is conducted by other officers or committees as part of their normal duties and shall maintain a central file containing copies of all Society correspondence and documents. Upon direction from the President, the Secretary shall prepare notices of meetings and other activities of the Society and mail copies to all regular members.
- **Treasurer:** The Treasurer shall collect all dues and other monies of the Society and shall maintain a checking account in the name of the Society and pay all debts incurred by the society. The Treasurer shall keep a record of all financial transactions of the Society and report on them in each monthly newsletter, at all monthly Society and Board of Directors meetings; shall have membership applications available at all regular Society meetings. The Treasurer shall submit his/her records for audit by a committee appointed by the President at the close of the year or at any other time by direction of the President.

- **CURRENT NOMINEES** (We will also accept nominations from floor prior to voting):  
 President: Abby (Lee) Fairbanks  
 Vice-President: Tom Lee  
 Secretary: Casey Thater  
 Treasurer: Rick Poropat  
 Newsletter Editor: Rick Poropat  
 Board Member at Large: Chris Braught  
 Board Member at Large: Paul Thater

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

- **November 13, 2015:** From the Oxford Clay to Missouri's Dinosaur: The Evolution of Iguanodontia.
- We will have election of officers in the second half of the meeting.
- **December 2015:** Annual Christmas Party. Carl will host the annual Christmas party, December 12, 2015. Details at November meeting and will also be in December newsletter.

**Dr. Andrew T. McDonald**

**Talk Title:** From the Oxford Clay to Missouri's Dinosaur: The Evolution of Iguanodontia

**Abstract:**

*Iguanodon* was only the second dinosaur to be scientifically named. Since its description in 1825, its fossils and the fossils of related herbivorous dinosaurs have been found across the globe. These animals are now classified in the group Iguanodontia, which includes small, fleet-footed bipeds; lumbering quadrupeds equipped with massive thumb-spikes, such as *Iguanodon* itself; and the duck-billed hadrosaurs, which were the most successful type of dinosaur in the Late Cretaceous Epoch.

Between 80 and 66 million years ago, hadrosaurs spread across the Northern Hemisphere. During this time, North America was inundated by a seaway stretching from the Gulf of Mexico to the Arctic Ocean, with the land mass of Laramidia to the west and Appalachia to the east. Dinosaur fossils are

extremely rare in Appalachia, with isolated occurrences in New Jersey, North Carolina, Alabama, Kansas, and Missouri. The first dinosaur ever found in Missouri was the hadrosaur *Parrosaurus*, named in 1945.

In my talk, I will discuss the evolution of Iguanodontia, from its earliest members to the hadrosaurs.

**Biography:**

I received my BS in Geology from the University of Nebraska-Lincoln and my PhD in Vertebrate Paleontology from the University of Pennsylvania. My research focuses on the evolution of dinosaurs in North America, especially iguanodontians and ceratopsians. I was lead author on the new iguanodontians *Jeyawati* from New Mexico, and *Iguanacolossus* and *Hippodraco* from Utah.

**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.

- We will be scheduling more trips to Ardola so for members who haven't been there before and for ones who have already collected great specimens, an excellent reference for Ardeola that can be downloaded is :**“Owl Creek (Upper Cretaceous) Fossils from Crowleys Ridge Southeastern Missouri.” Geological Survey Professional Paper 274-E.** Thanks to Dr. Bruce for this reference. Just google this title and you can print directly or save and print. It has 11 plates with 217 specimen identifications!
- **October 10 Field Trip:** Mark Twain (Keokuk and Burlington, Mississippian). We had 11 members on the field trip and what an incredible day! Tom was our boat captain and took us to several location on the lake.

The weather was beautiful, very little breeze on this trip.



- The October 31 trip to Chronister Site (recently excavated) has been postponed due to rain. Rescheduled for Saturday, November 07, 9:00am at Richardson Road Commuter Parking Lot, Arnold, MO. Rain is scheduled AGAIN for that date so we will advise members of status as we get closer to the date.

Here are some pictures of the excavation that happened a few weeks ago. Hopefully they turned up something nice!



- Fall/Winter trips to HWY MM (Decorah formation), Barite Pit (Potosi formation), Mark Twain Nation Forest south of Cherokee Pass (Cambrian and Pre-Cambrian), Chronister Site (Ordovician) and possibly to Fulton area (Keokuk formation and others) to be planned.

#### Shows:

**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. If you didn't work at the August show, please consider volunteering for this event.

**Educational/Out-Reach:** Steve would appreciate volunteers with our out-reach program for scouts and schools. Contact him for details.

## Upcoming events:

November 6, 2015

"ONE NIGHT ONLY! The Missouri State Museum will transform into prehistoric Missouri. Witness volcanoes ready to erupt, explore a shallow sea, walk with the dinosaurs, and dig for fossils.

Guest interpreters from other Missouri museums and state historic sites will be on hand to interact with visitors as we explore the states primordial past.

TOURS of Prehistoric Missouri will run EVERY 30 MINUTES beginning at 6 p.m. There will be hands-on activities throughout the evening.

The event will be held in the first floor\* of the Missouri State Capitol Rotunda and in the adjacent Resources Hall of the Missouri State Museum.

First Floor, State Capitol, 201 W. Capitol, Jefferson City, MO.

This event is free & open to the public, for more information call 573-751-2854.

**BUILDING ACCESS:** Due to ongoing stonework which has closed the grand staircase on the south side of the building and the carriage entrance, access to the building is through the East & West entrances (accessed via the carriage drive and walkway around the building). Also, ADA access is via the parking garage entrance on the East side of the buildings."

## DUES

Our treasurer, Rick Poropat 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**

## Emily F. Christensen - In Memoriam



Christensen, Emily F., Ed.D, nee Fast, 66, of Webster Groves died Tuesday, September 30 after a two year battle with cancer. Her body was donated to Washington University School of Medicine. Survived by her husband of 37 years, John R. Christensen. Dear mother of John A. (Alex) and Lois Anne. Beloved grandmother of Caroline and Margaret. Also her parents, Kenneth V. and Lois E. Fast, and siblings, Sarah (John), Julia (John), Charles (Sandra) and Alice (Mark). Born in Southwest Missouri. Moved to Webster Groves when her father became a chemistry teacher at Webster Groves High School.

She was a member of the Class of '67, made famous by CBS's pseudo-documentary "Sixteen in Webster Groves." After graduating from Carleton College, she taught science for 32 years in the Hazelwood School District, mostly at Kirby Junior High, where she became head of the Science Department. She also was the Director of the Secondary Fair for the Academy of Science - St. Louis Science Fair for approximately 15 years. Through the years her favorite subject to teach was geology.

After retiring she worked at Missouri Baptist University as an Associate Professor of Natural Science. A lover of nature, she was a past member of the boards of the St. Louis Audubon Society, Eastern Missouri Group of the Sierra Club, and the Webster Groves Nature Study Society. She also was active in her church. She earned the Girl Scout Gold Award and was a leader of her daughter's Girl Scout troop and her son's Cub Scout den. She also performed in the Avery PTO Play. Services: A Service of

Celebration of Emily's Life was held Sunday, September 27 at Webster Groves Christian Church (Disciples of Christ) at 1320 West Lockwood Ave, St. Louis MO 63122. Memorials may be made to the church or Webster Groves Nature Study Society, P. O. Box 190065, St. Louis, MO 63119.

### 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.

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](mailto:emsp.pres@mofossils.com))

Vice Pres: Abigail Fairbanks  
([emsp.vp@mofossils.com](mailto:emsp.vp@mofossils.com))

Treasurer: Rick Poropat  
([emsp.tr@mofossils.com](mailto:emsp.tr@mofossils.com))

Secretary: Ryan Fairbanks  
([emsp.sec@mofossils.com](mailto:emsp.sec@mofossils.com))

Educational Outreach: Steve Bynum  
([emsp.outreach@mofossils.com](mailto:emsp.outreach@mofossils.com))

### 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](mailto:emsp.sec@mofossils.com)

### CONTACTS



# 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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(EMSP)  
P.O. Box 220273  
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