The Cretaceous World TCN: Digitizing Fossils to Reconstruct Evolving Ecosystems in the Western Interior Seaway

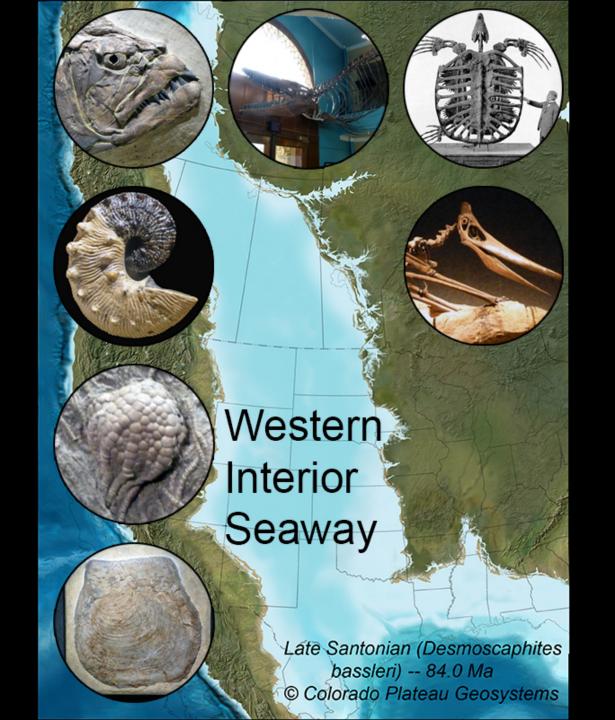


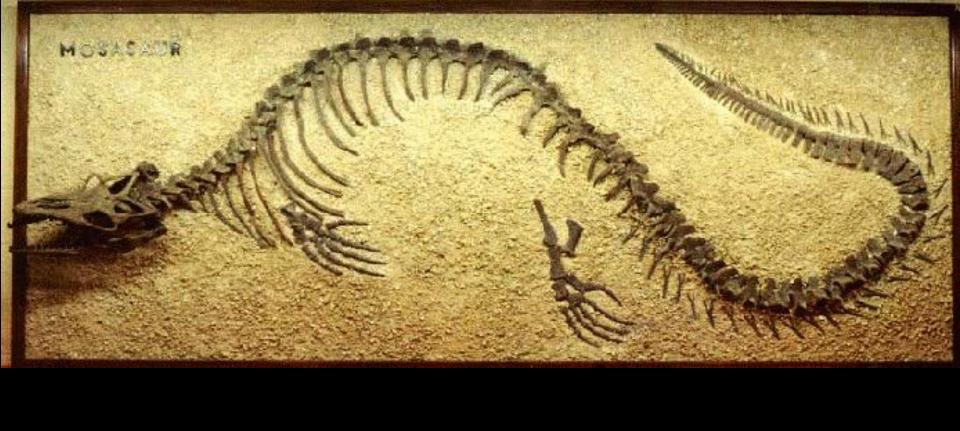
Bruce S. Lieberman

Dept. of Ecology & Evolutionary Biology and Biodiversity Institute, U. of Kansas

The Cretaceous World - TCN















Cretaceous World – TCN: Participants and Institutions

University of Kansas – Bruce S. Lieberman, Chris Beard & Jim Beach

Paleontological Research Institution – Jonathan Hendricks

American Museum of Natural History – Neil Landman & Ruth O'Leary

University of Texas— Ann Molineux, Rowan Martindale & Matt Brown

Cretaceous World – TCN: Participants and Institutions, cont.

Yale University Peabody Museum of Natural History – Susan Butts & Chris Norris *University of Colorado* – Talia Karim South Dakota School of Mines & Technology -Laurie Anderson & Maribeth Price *University of New Mexico* – Corinne Myers Sternberg Musem / Fort Hays State University – Laura Wilson

Cretaceous World - TCN: Outreach



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Cretaceous World – TCN: Data and Research Goals

- ~ 165,000 specimens databased
- ~ 7,000 fossil localities georeferenced
- ~1,600 fossil species imaged (> 3,200 images)

Data shared/published via iDigBio and institutional websites

Cretaceous World – TCN: Data and Research Goals, cont.

Focus on GIS and ecological niche modeling

Present Day ~87Ma Cretoxyrhina mantelli Tylosaurus : Myers & Lieberman. 2011. Proceedings of the Royal Society

Lesson Learned

Recruit high quality collections staff and students





Thanks to:

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