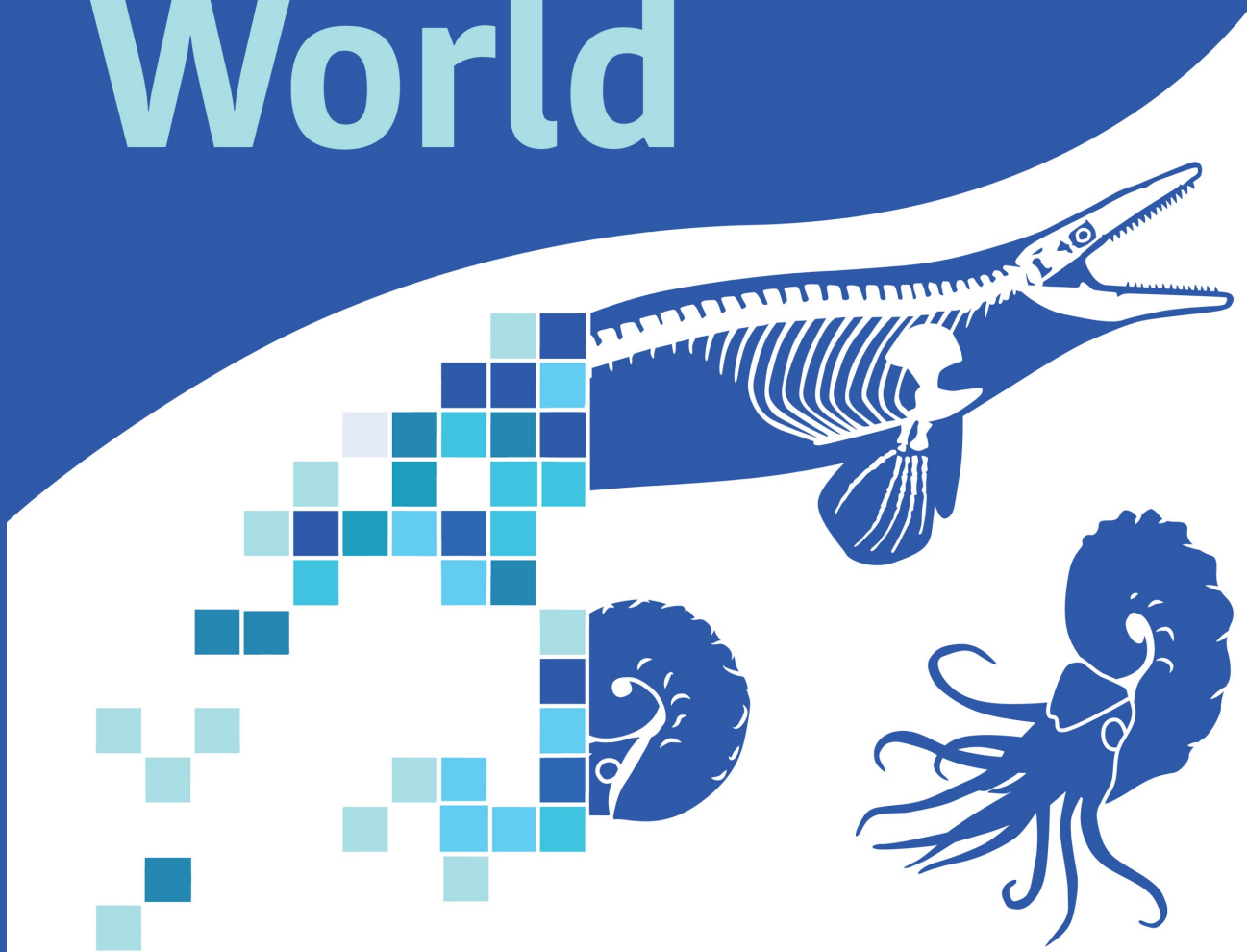
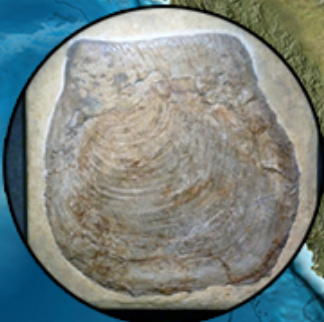
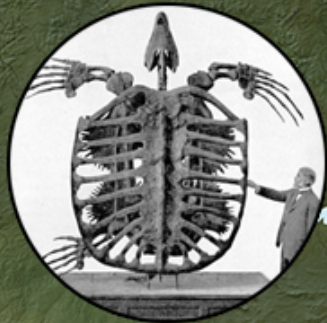


Cretaceous World





Western Interior Seaway

*Late Santonian (Desmoscaphites
bassleri) -- 84.0 Ma*

© Colorado Plateau Geosystems

Cretaceous World – TCN : Participants and Institutions



Lead Institution,
Bruce Lieberman



MOSASAUR



Xiphactinus audax
Sternberg Museum of Natural History



An extinct flying reptile:
Pteranodon



Rostrum

All pterosaurs possessed long jaws and sharp teeth and jaws. Pteranodon had a beak-like structure of keratin or collagen.



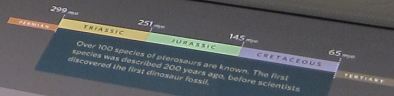
Pteranodon (juh-RAN-uh-don) belongs to an extinct group of reptiles called pterosaurs. They were the first vertebrates to evolve powered flight.



Skull
Pteranodon and its close relative Pterodactyl were among the many species of pterosaurs discovered by Professor O.C. Marsh at Halloway Creek, Kansas.



Skull and beak
Pteranodon skull and jaw. Molaria (used to catch fish).
Pteranodon sp.
Halloway Creek, Kansas



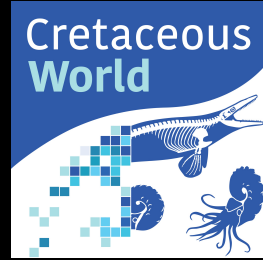
COLLECTION HISTORY
Pteranodon was first discovered near Fort Wallace at Halloway Creek, Kansas, by a field party organized by Professor O.C. Marsh in 1870.







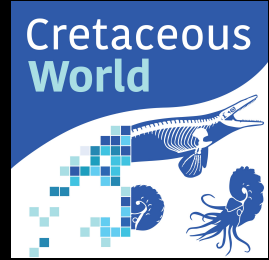
Data and Research Goals



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

All data shared via iDigBio, institutional websites, and iDigPaleo

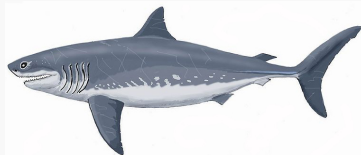
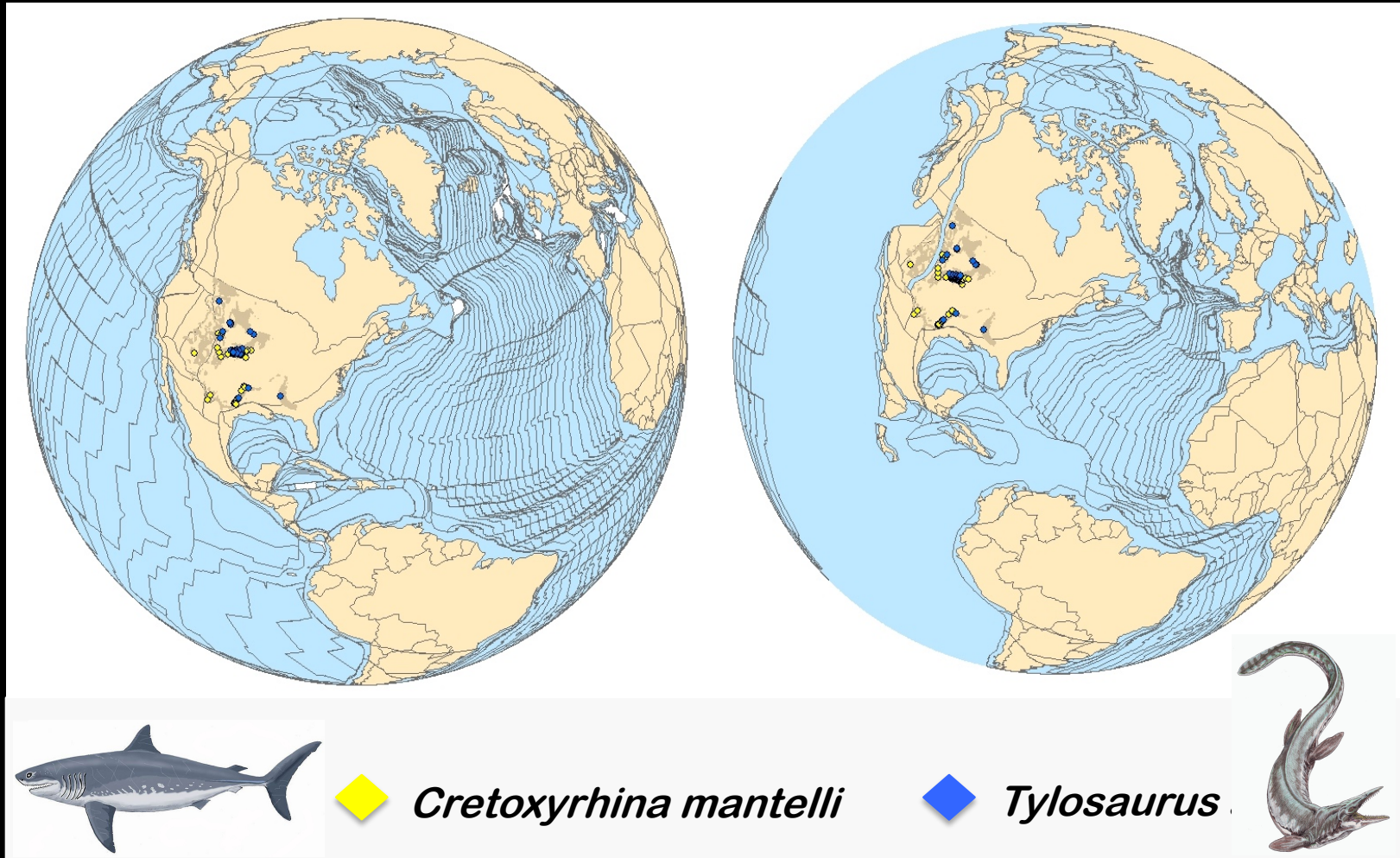
Data and Research Goals



Focus on ecological niche modeling

Present Day

~87Ma



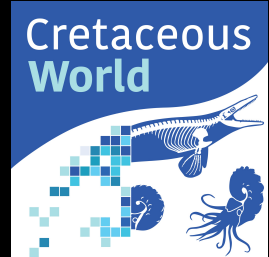
Cretoxyrhina mantelli



Tylosaurus



Outreach Goals



Cretaceous Atlas of Ancient Life Western Interior Seaway



Atlas

All Species

Geology

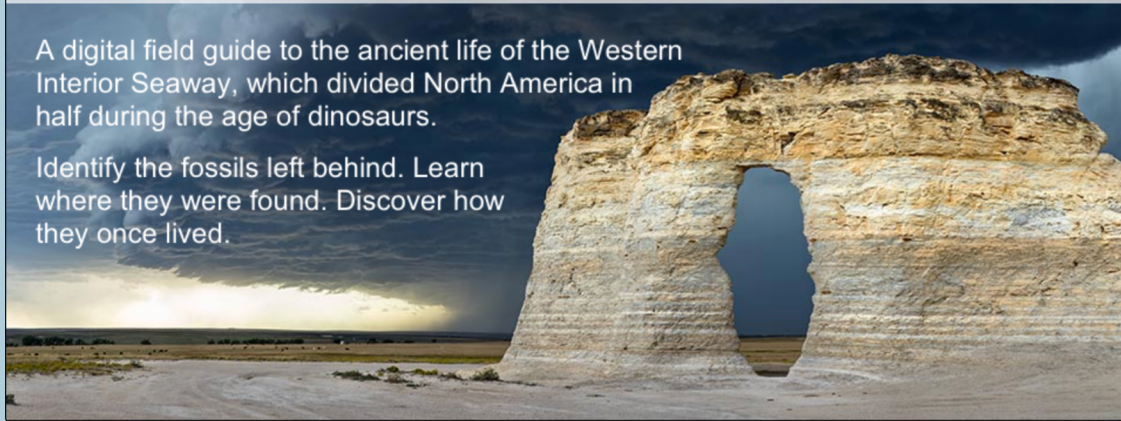
Google Custom Search



Welcome to the Cretaceous Atlas!

A digital field guide to the ancient life of the Western Interior Seaway, which divided North America in half during the age of dinosaurs.

Identify the fossils left behind. Learn where they were found. Discover how they once lived.



Groups Online Now!

Chordata



Echinodermata

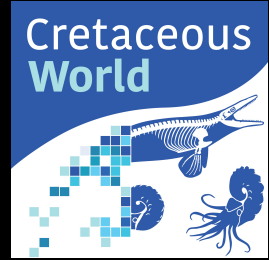


Mollusca

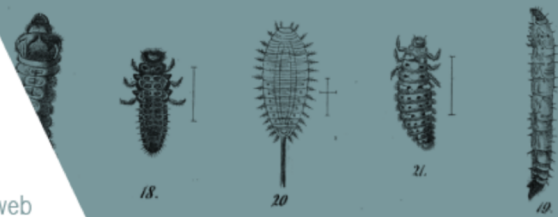


<http://www.cretaceousatlas.org>

Outreach Goals



Making data and images of millions of insect specimens available on the web



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Search  




13 SPECIMEN RESULTS 


HAS MEDIA: HAS MEDIA PERIOD: CRETACEOUS


FILTER BY

FOSSIL/MODERN 

COMMON NAME 

PERIOD 

CONTINENT 

FOSSIL DEPOSIT 

SOURCE 



YPM IP 307993

Common Name: Bivalves; mollu...



YPM IP 307995

Common Name: Bivalves; mollu...



YPM IP 308007

Common Name: Bivalves; mollu...



YPM IP 308013

Common Name: Bivalves; mollu...



YPM IP 308023

Common Name: Bivalves; mollu...



YPM IP 308039

Common Name: Bivalves; mollu...



YPM IP 308040

Common Name: Bivalves; mollu...

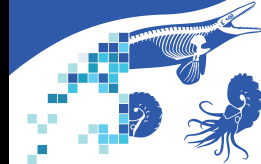


YPM IP 308041

Common Name: Bivalves; mollu...

<https://www.idigpaleo.org>

Outreach Goals



YPM IP 308013

Bivalves; molluscs; animals

YPM IP 308013

YALE PEABODY MUSEUM OF NATURAL HISTORY

TAXONOMY

STRATIGRAPHY

Geologic Time Period

Period: Cretaceous


LOCALITY

Continent: North America

Country: USA

Locality: ? Dakota

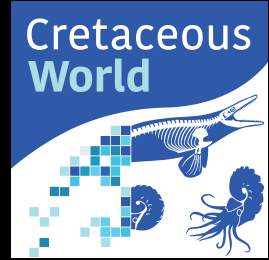
 LOGIN TO ADD TO LIGHTBOX/ASSIGNMENT

 COMMENTS (0)

SHARE



Outreach Goals

The profile picture for Paleo Digital Atlas is a circular graphic. The left half shows a stylized Earth with green and brown continents and blue oceans. The right half shows a black silhouette of a beetle with white and grey details on its body.

Paleo Digital Atlas
@PaleoDigAtlas FOLLOWS YOU

The profile picture for Fossil Insect Collaborative features the text 'fossil insect' in a large, bold, yellow font, with 'COLLABORATIVE' in a smaller, blue, sans-serif font below it. To the left of the text is a small blue and white logo depicting a fossil insect.

Fossil Insect TCN
@FossilInsectTCN

Thanks to:

Funding

NSF Advancing the Digitization of Biological Collections

