



разреза у с. Глебово
Ярославской области

Плезиозавры из нижнего мела

Н.Г. Зверьков^{1,2,3}

Д.Н. Киселев⁴



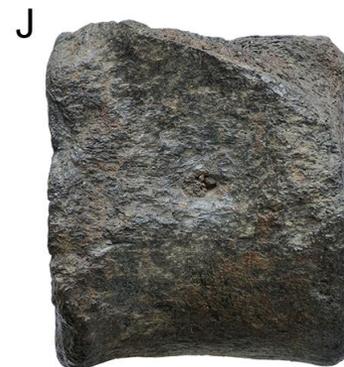
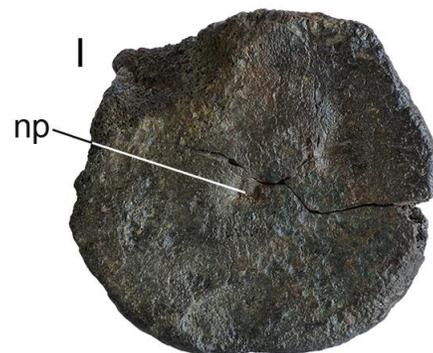
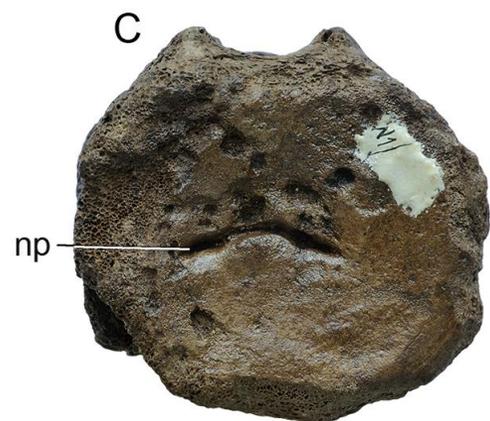
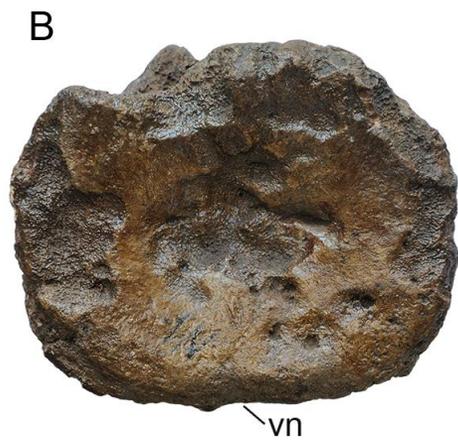
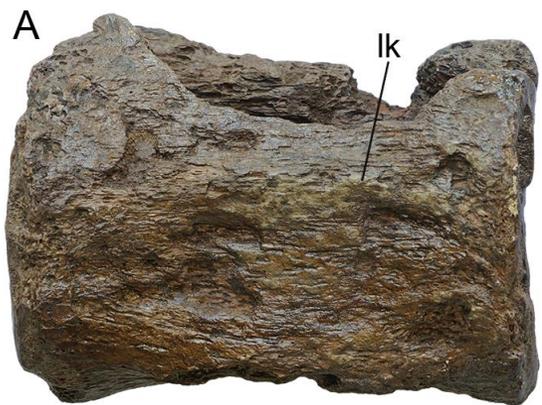
¹ Московский государственный университет им. М.В. Ломоносова

² Геологический институт РАН

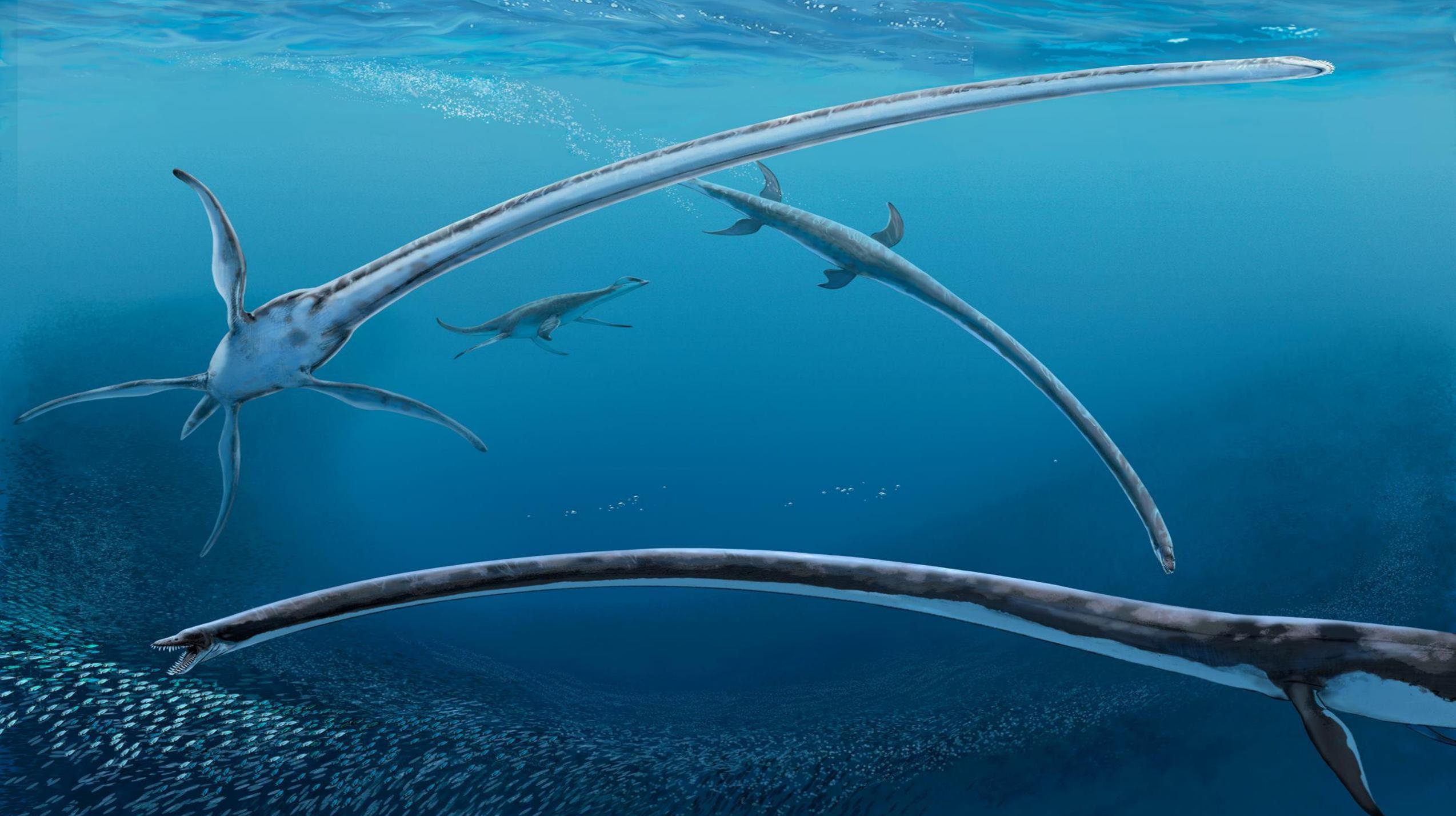
³ Палеонтологический институт им. А.А. Борисяка РАН

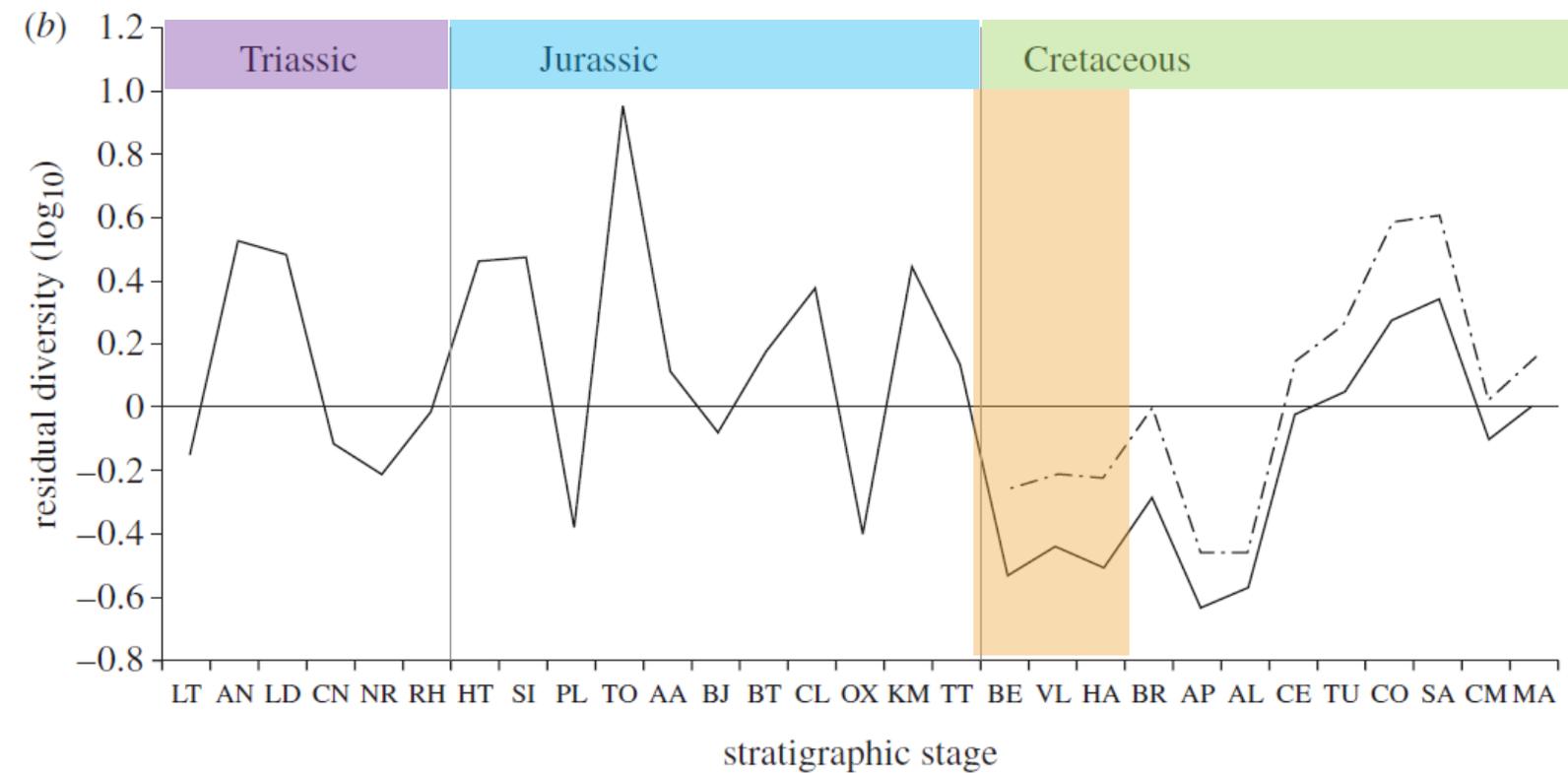
⁴ Ярославский государственный педагогический университет им. К.Д. Ушинского

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5 CM





Benson et al. 2010

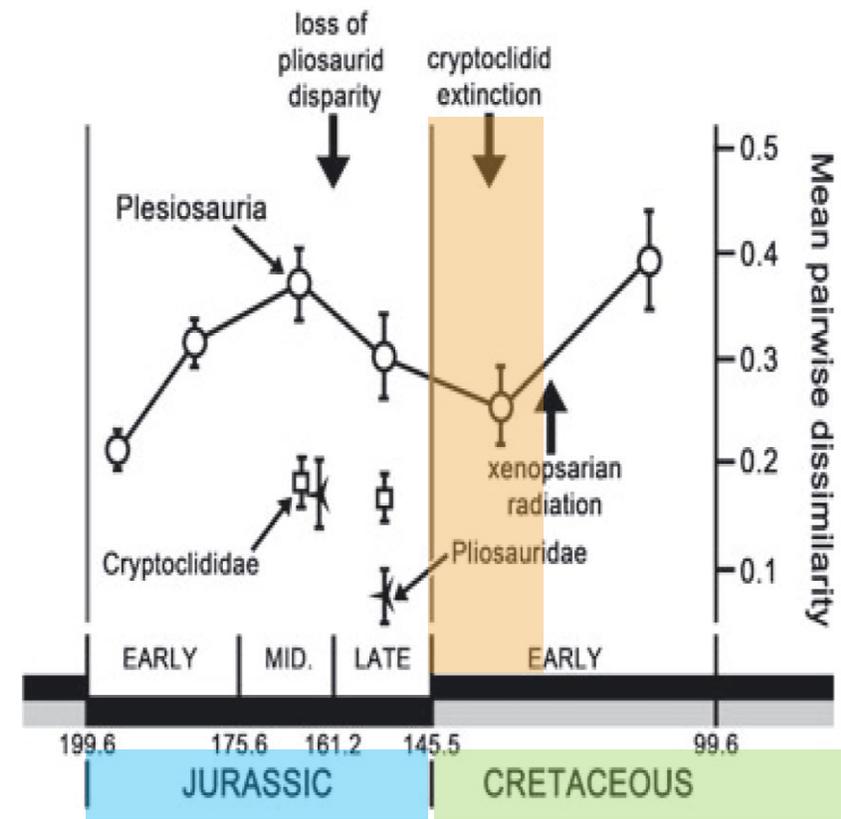
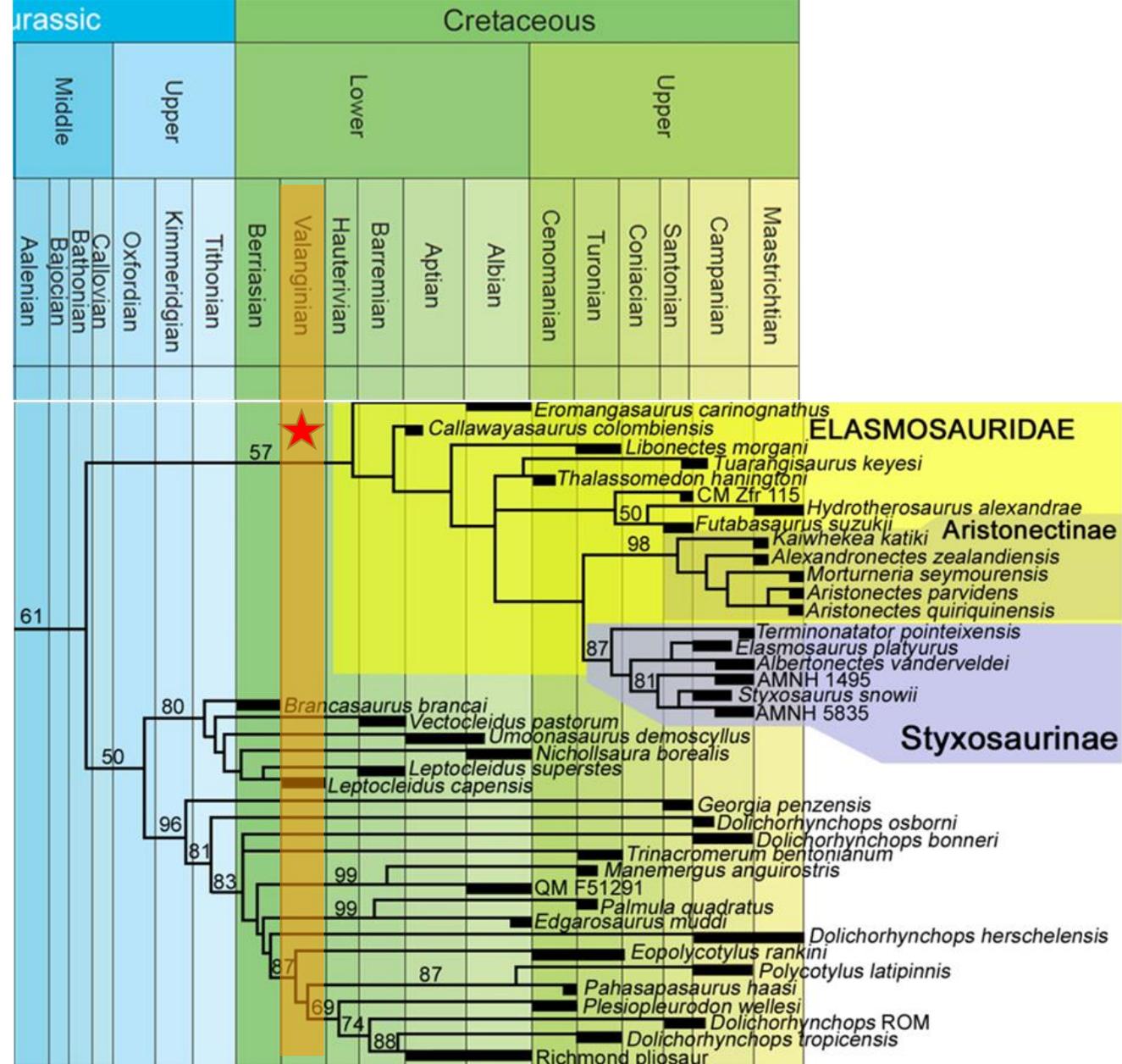
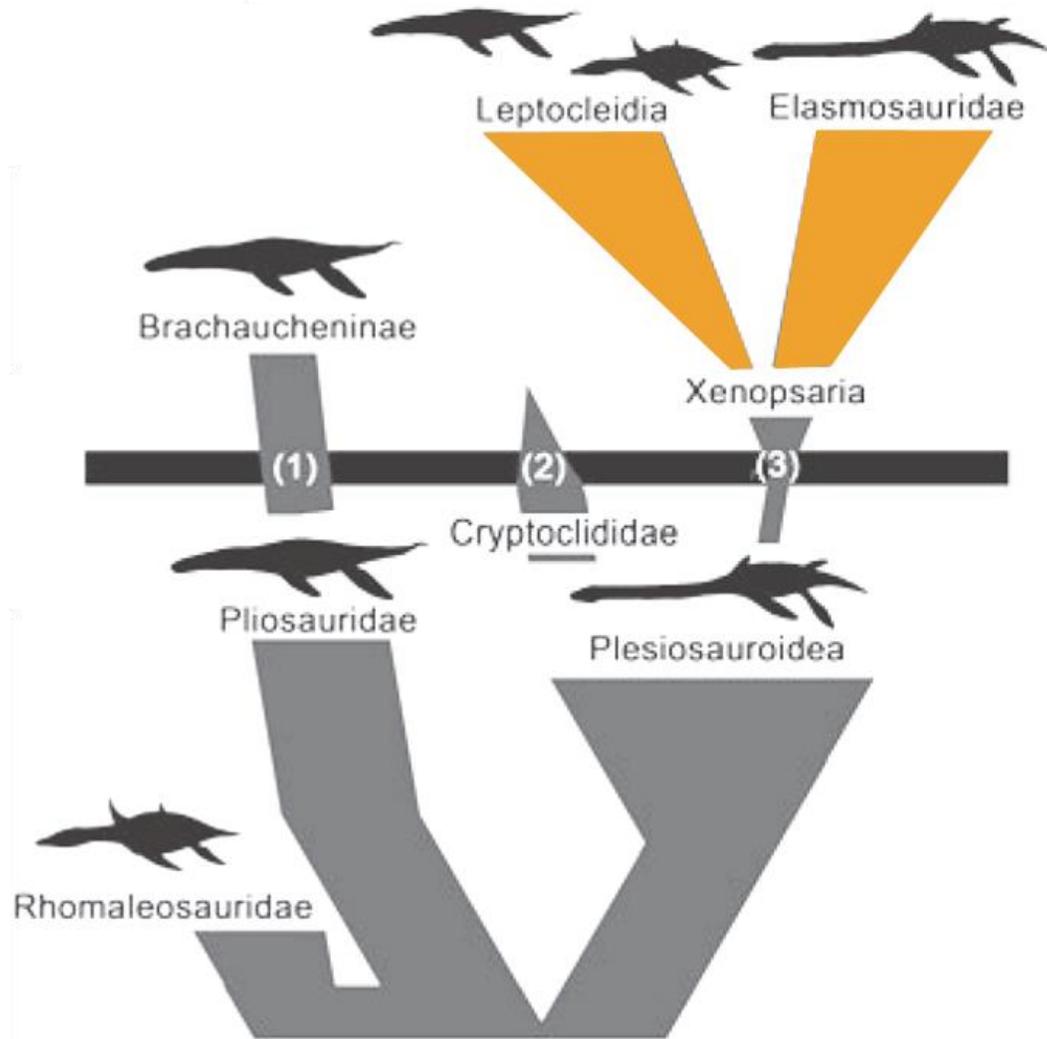


Fig. 7. Jurassic–Early Cretaceous plesiosaurian disparity based on mean pairwise dissimilarity values (see Table 1). Middle and Late Jurassic cryptoclidid and pliosaurid disparities are also shown. 95% error bars are presented. Major events in plesiosaurian diversification are indicated with thick arrows. Numerical ages on time axis are in millions of years (Ma).

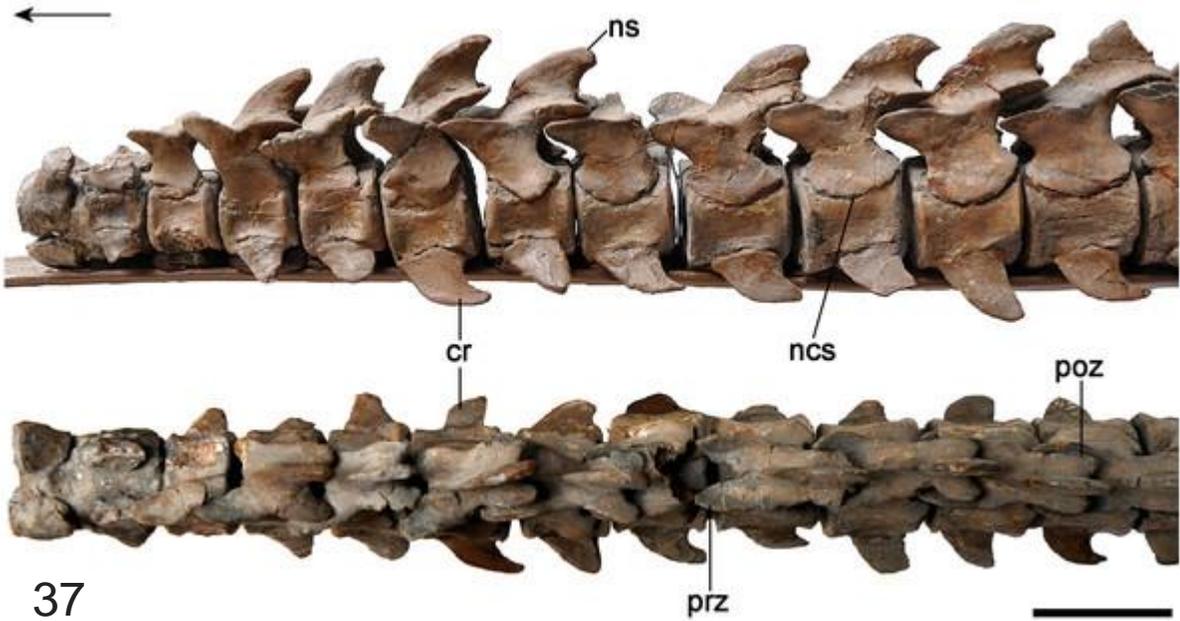
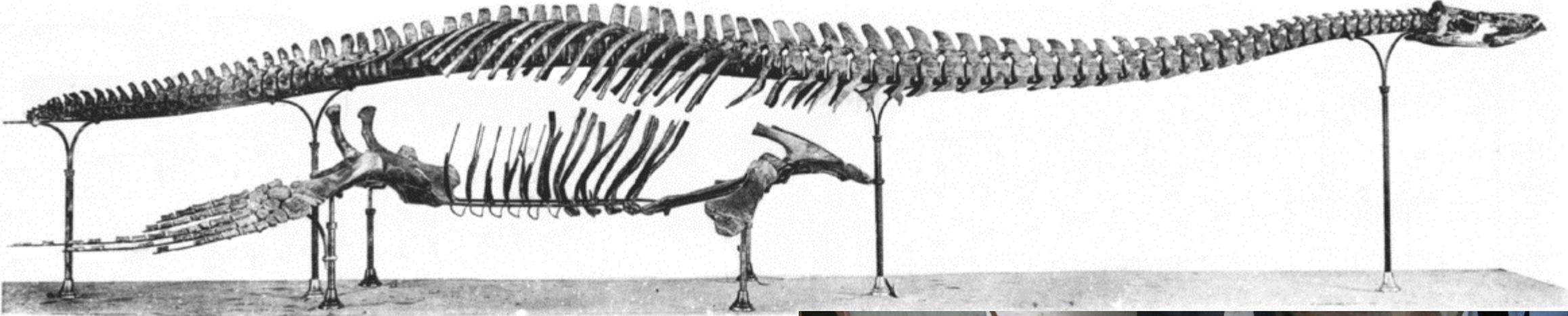
Benson & Druckenmiller 2014

Плезіозавры мела



Time-calibrated cladogram based on the datamatrix of Benson & Druckenmiller (2014) with the modifications of Otero 2016 doi: [10.7717/peerj.1777](https://doi.org/10.7717/peerj.1777)

Берриас. Германия. *Brancaosaurus brancai* Wegner, 1914

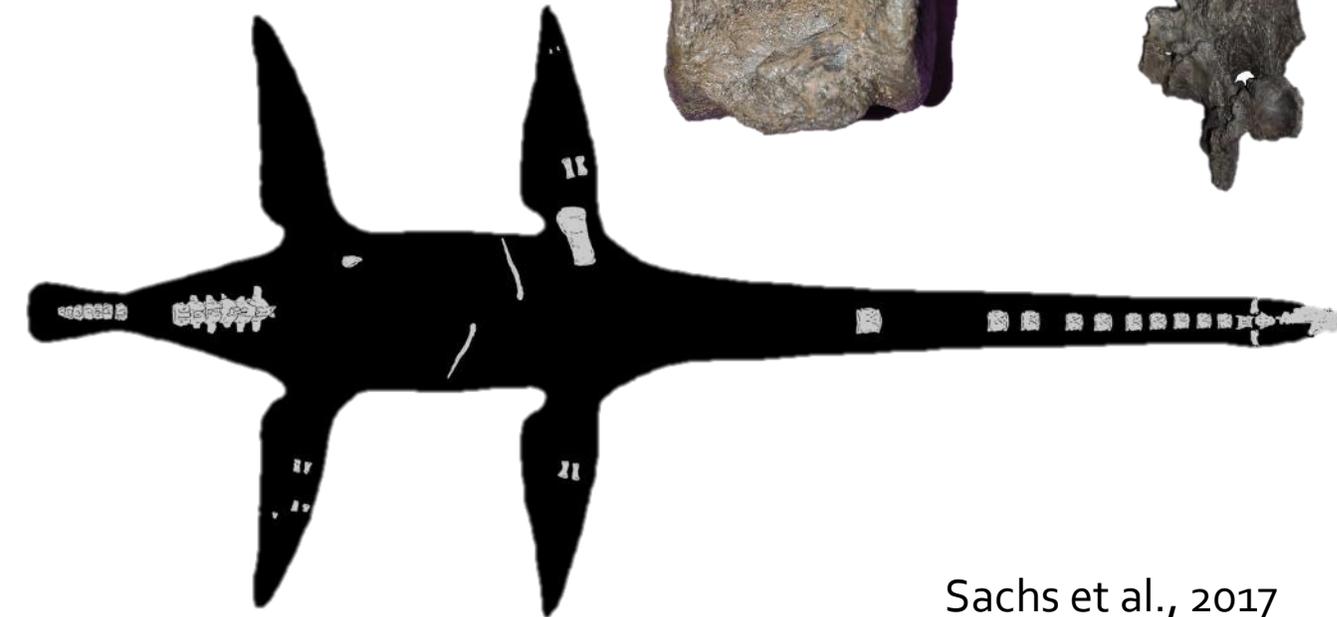


Готерив. Англия. Sprieton Plesiosaur



Готерив. Германия. *Lagenanectes richterae*

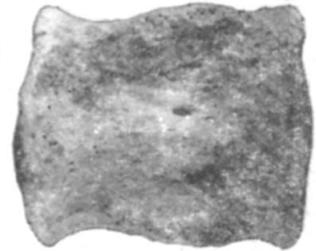
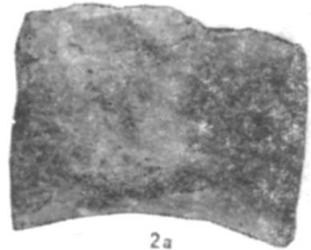
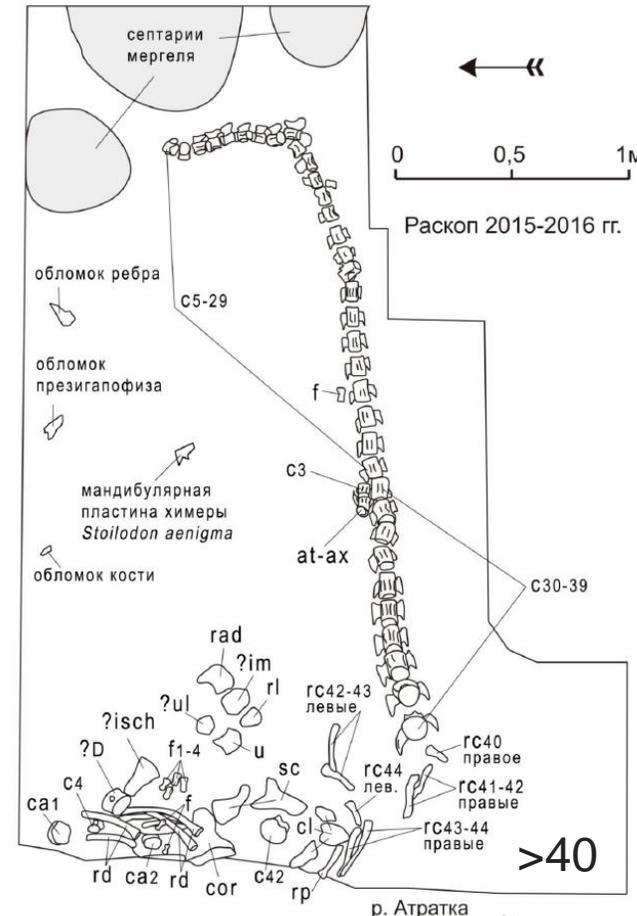
Sachs et al., 2017



Sachs et al., 2017



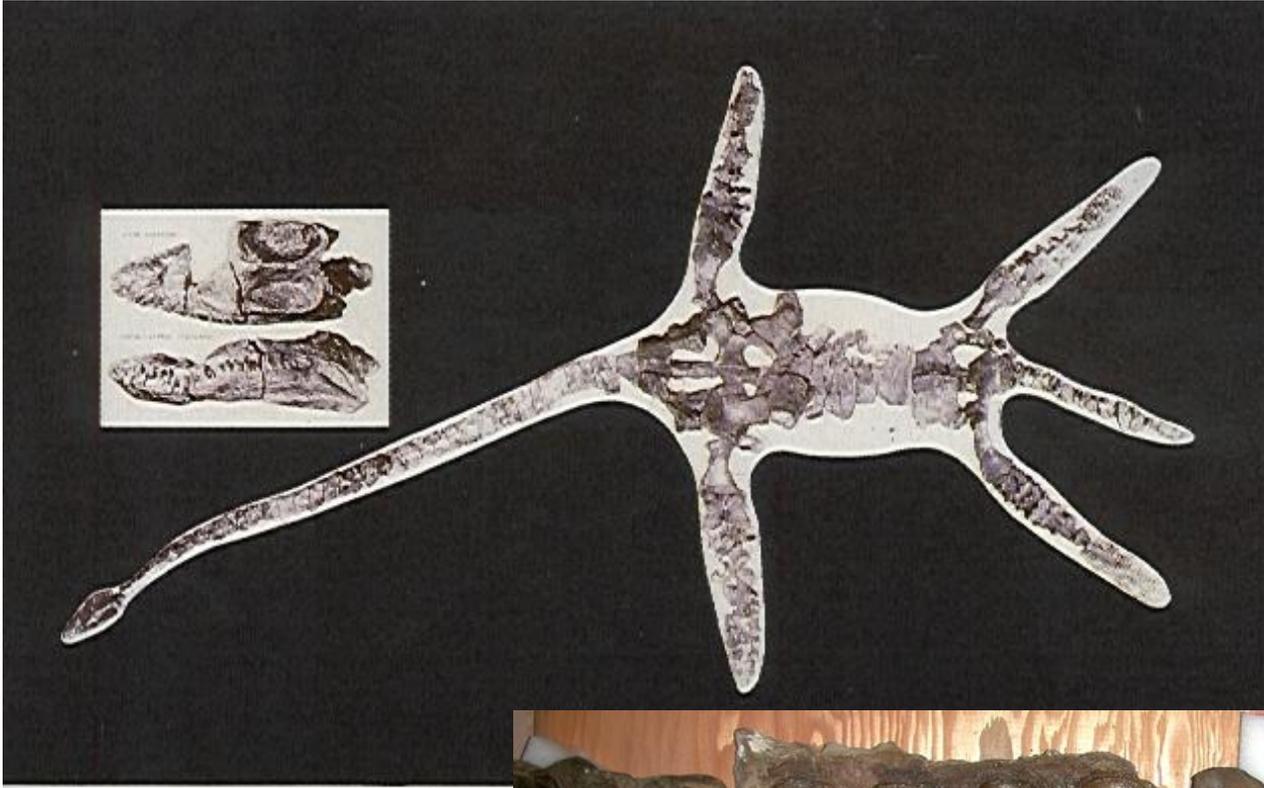
Готерив. Россия. *'Elasmosaurus antiquus'* Dubeykovskiy et Ochev, 1967



Дубейковский,
Очев, 1967

Березин, Александров, 2016

Апт. Колумбия. *Callawayasaurus colombiensis*



Альб. Австралия. *Eromangasaurus australis*

'*Woolungasaurus glendowerensis*' Persson, 1960



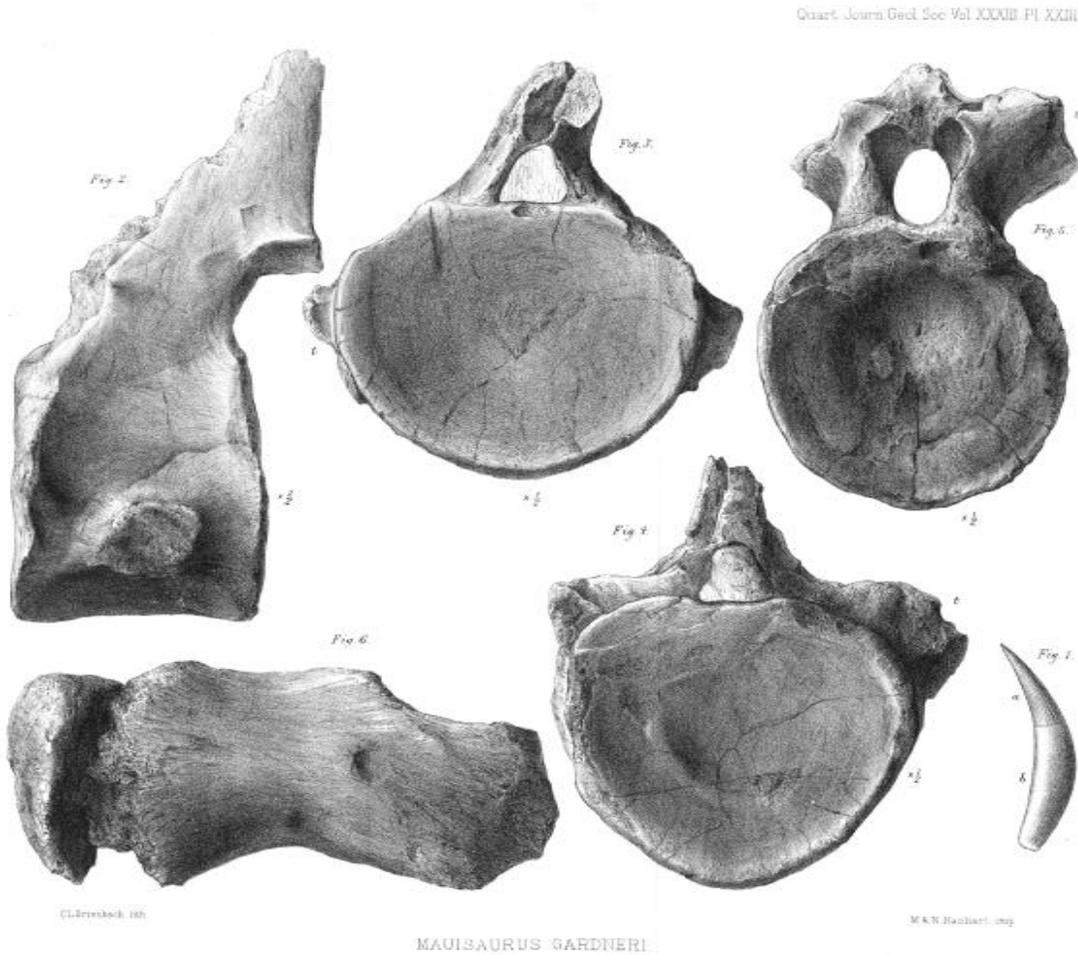
Голотип QM F11050



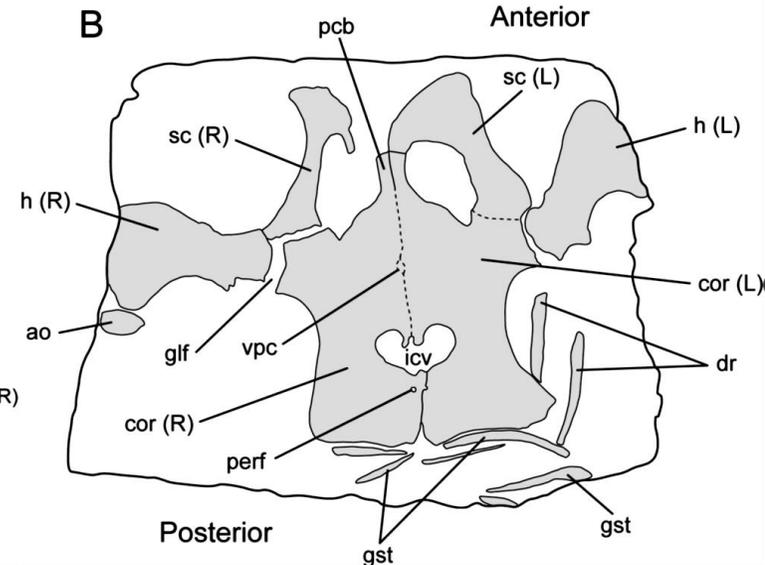
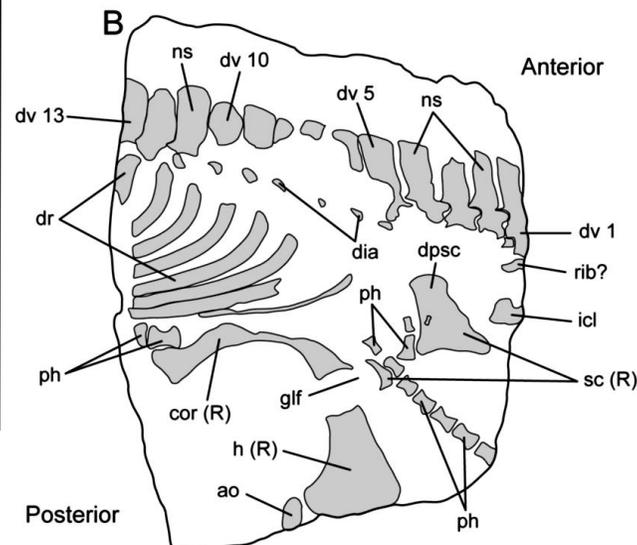
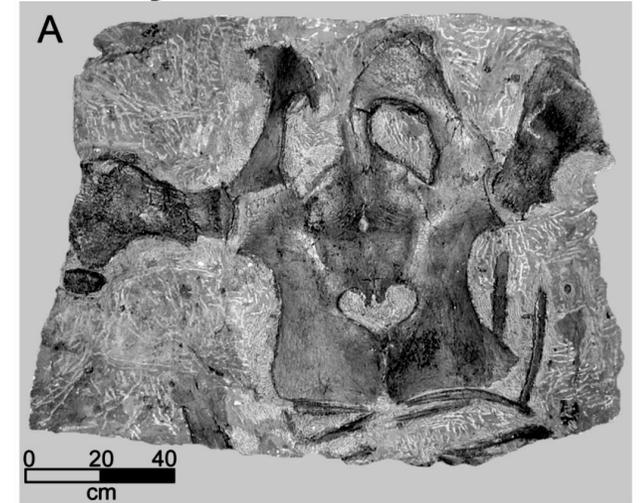
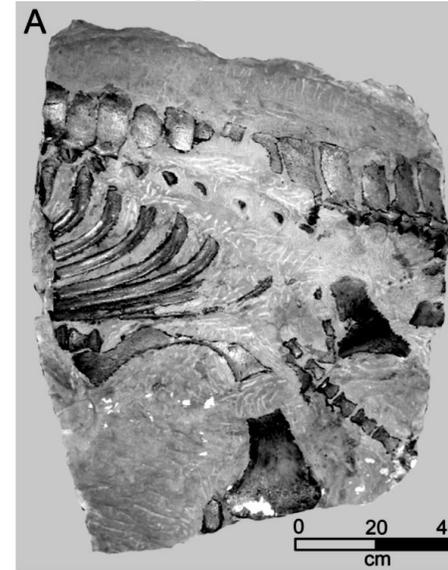
(c) www.letitbefood.com



Альб. Новая Зеландия. *'Mauisaurus gardneri'* Seeley, 1877

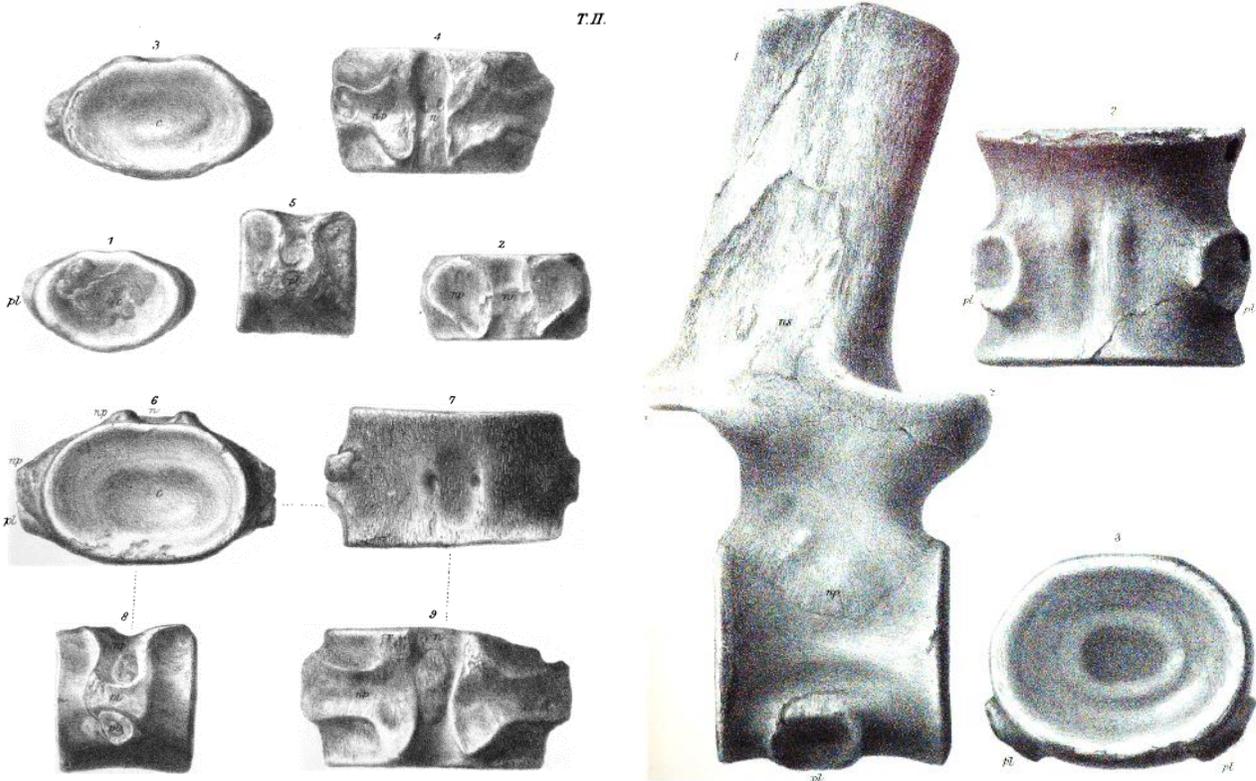


Альб. Канада. *Waruskanectes betsynichollisae*



Druckenmiller, Russell, 2009

Апт-Альб. Англия

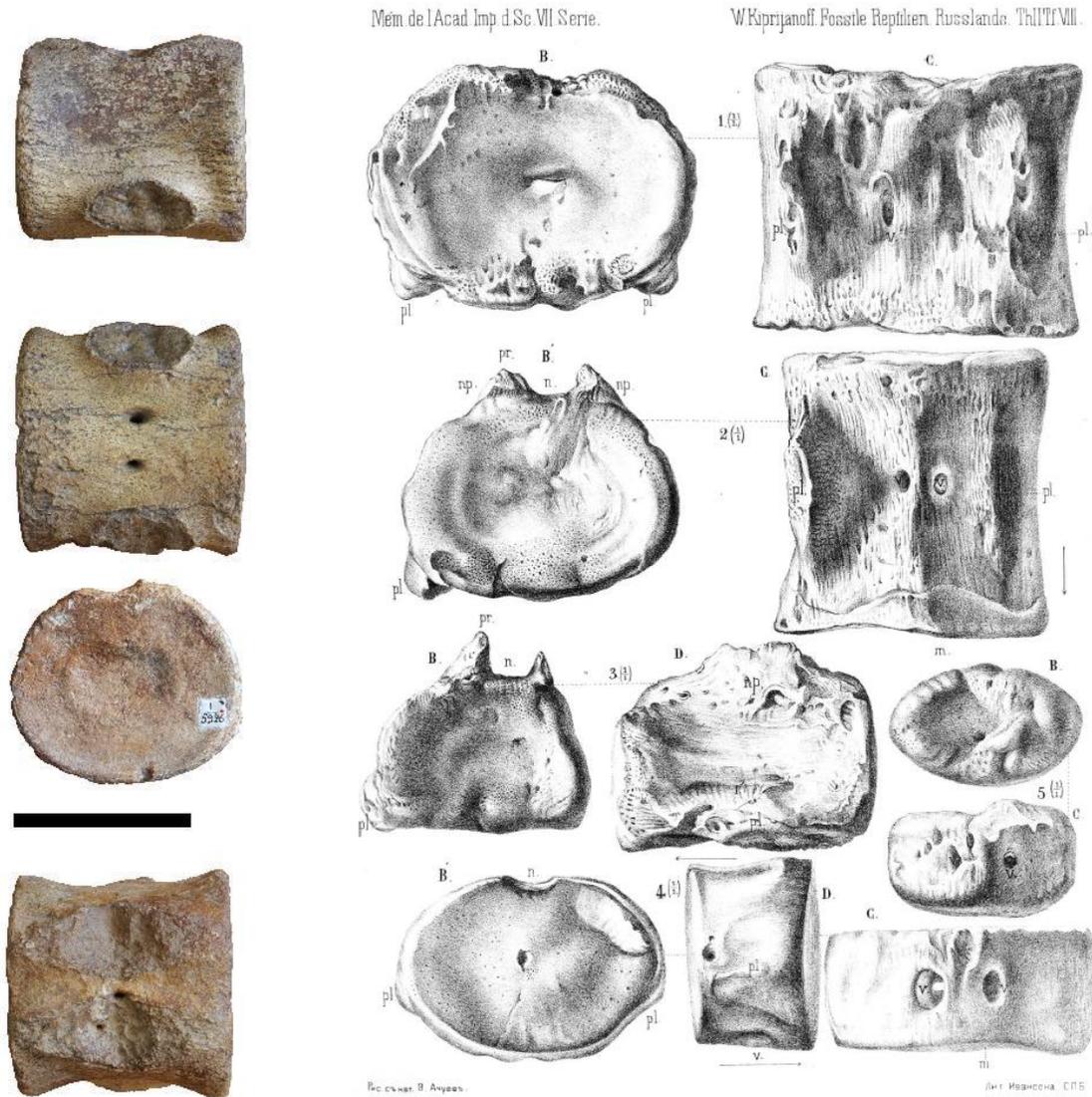


PLESIOSAURUS PLANUS.

'Plesiosaurus planus' Owen. 1864 'Plesiosaurus latispinus' Owen. 1854

Owen. 1864

Альб-Сеноман. Россия

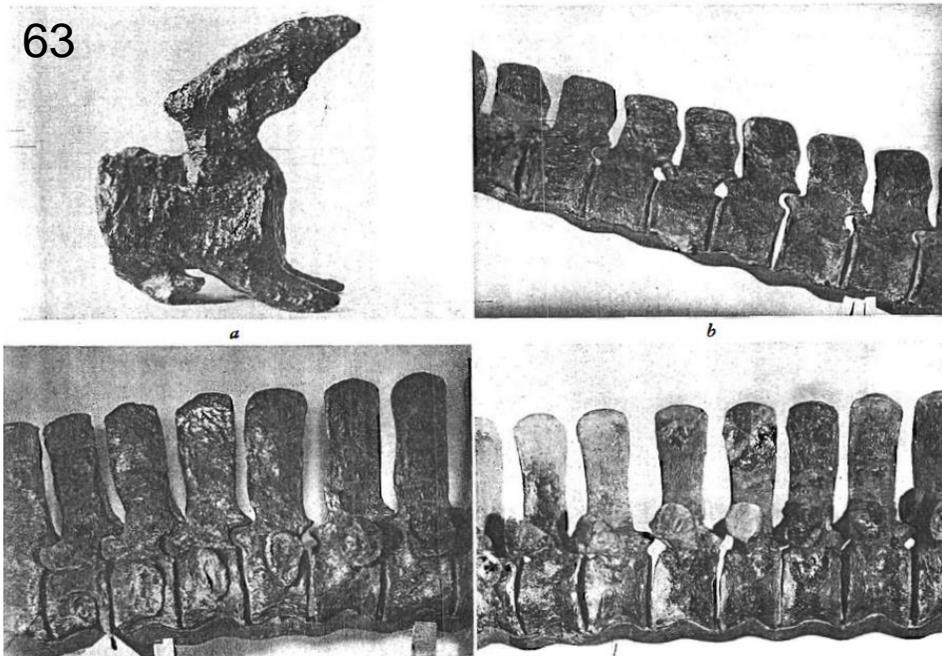


'Plesiosaurus latispinus' Рябинин, 1939

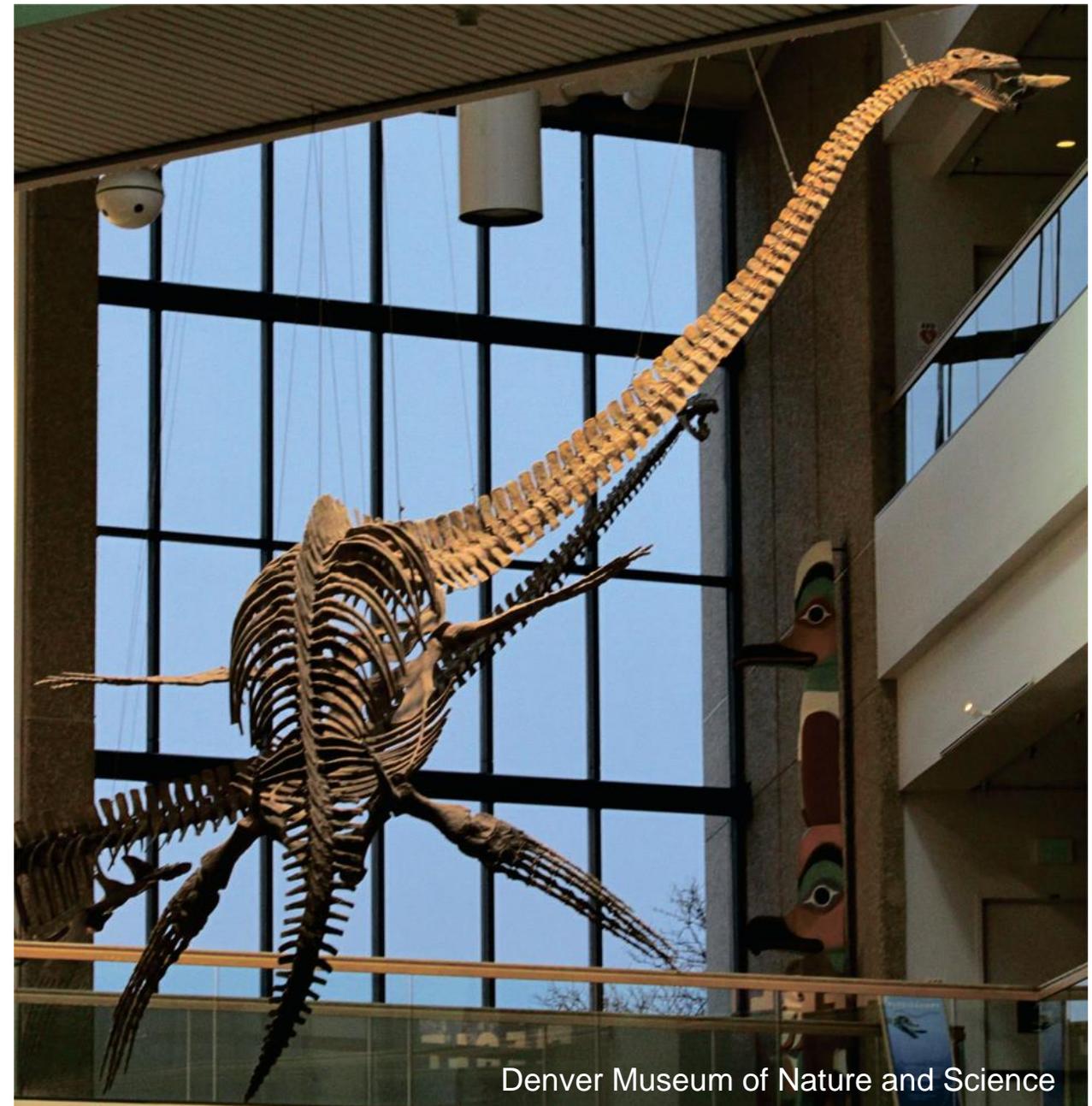
'Plesiosaurus Helmersenii' Kiprianoff, 1882
'Elasmosaurus kurskensis' Bogolubov, 1911

Сеноман. США

Thalassomedon haningtoni Welles, 1943



Welles, 1943



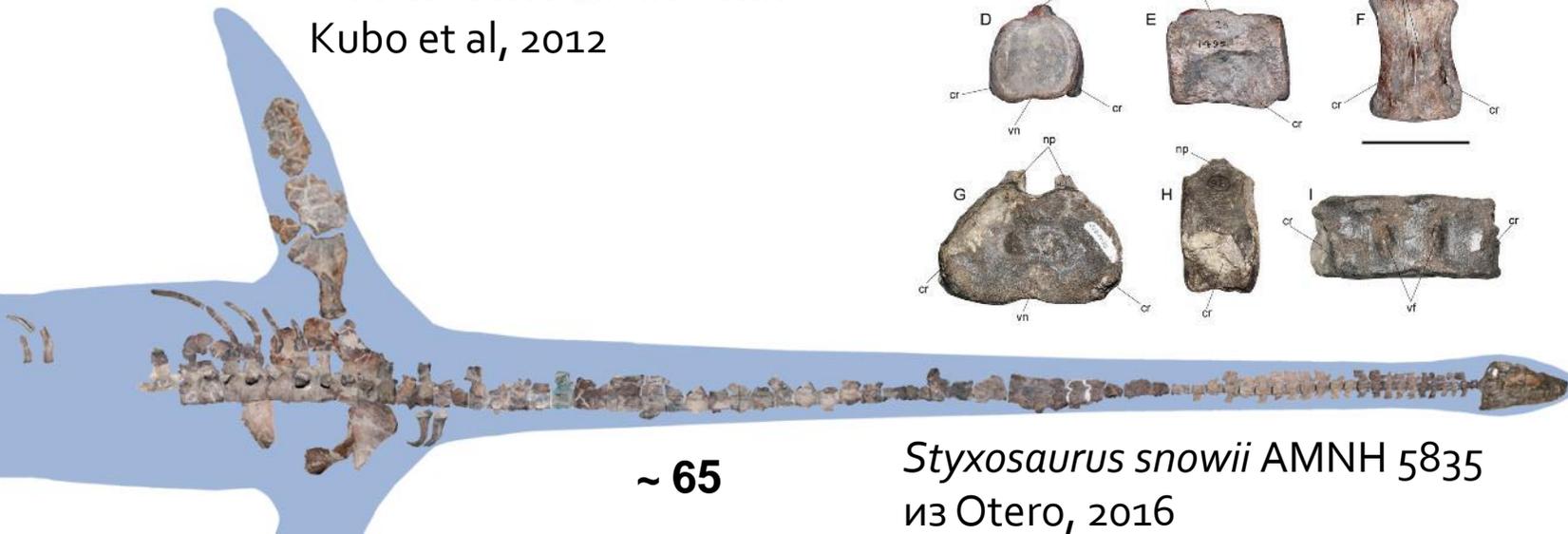
конец мела (кампан-маастрихт)

Styxosaurinae



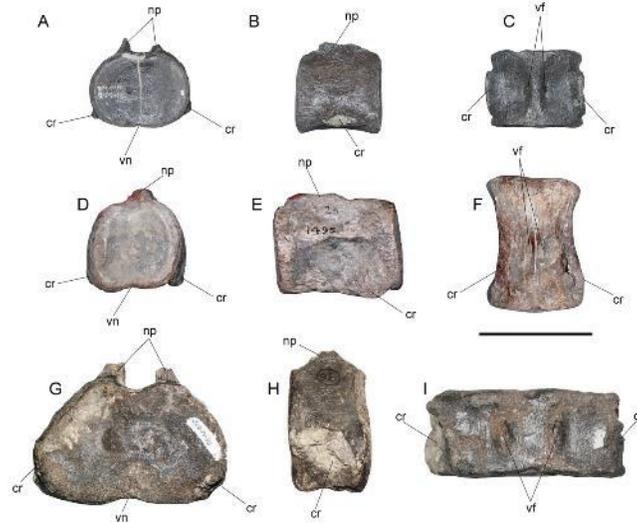
76

Albertonectes vanderveldei
Kubo et al, 2012

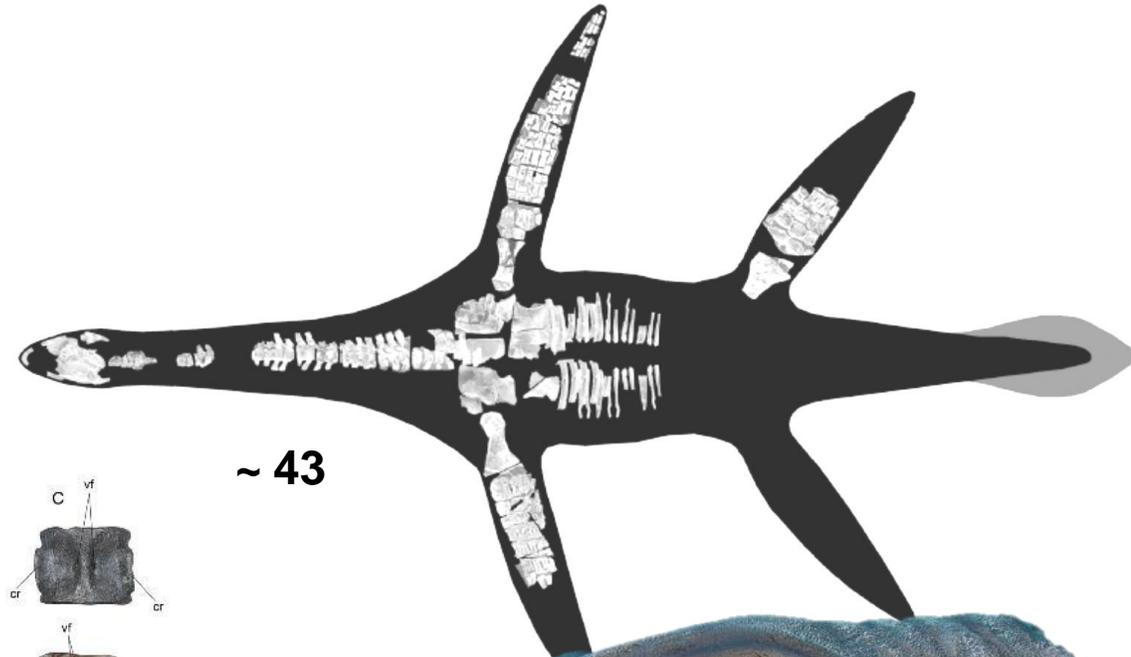


~ 65

Styxosaurus snowii AMNH 5835
из Otero, 2016



Aristonectinae

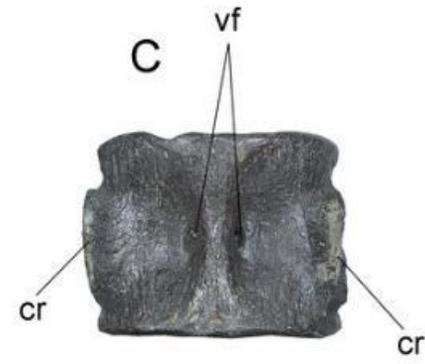
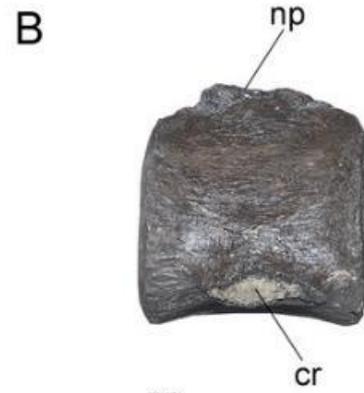
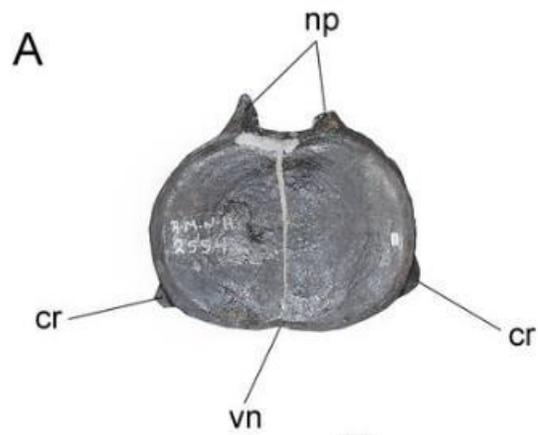


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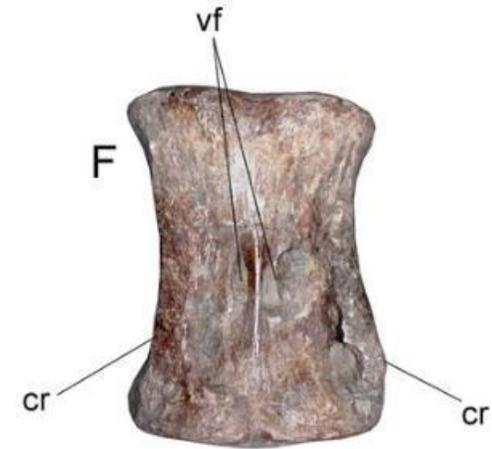
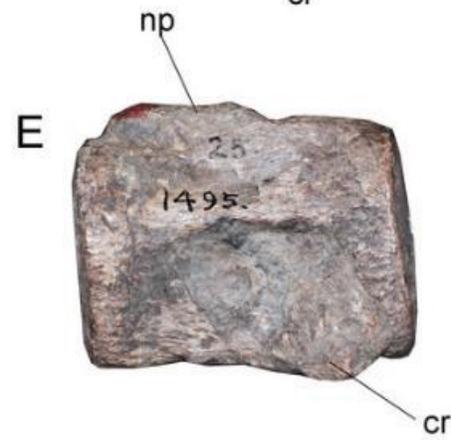
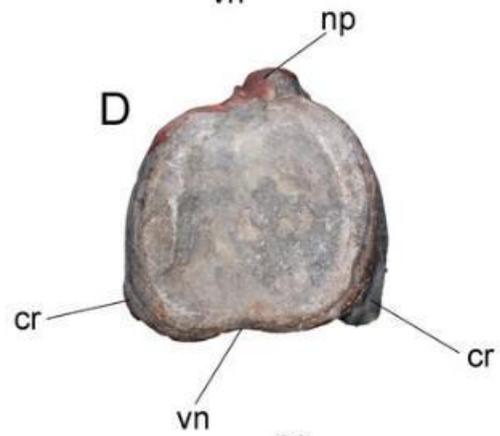


O'Keefe et al., 2017
Otero et al., 2018

'Cimoliasaurus'

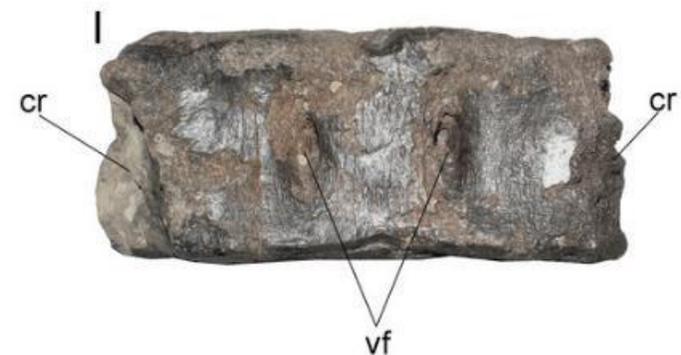
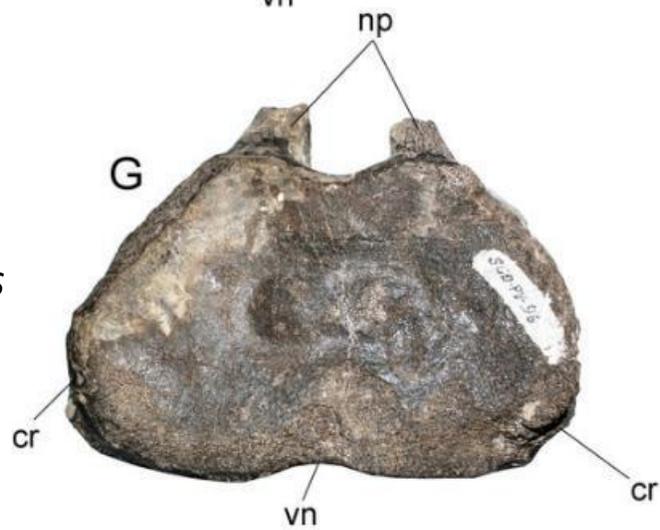


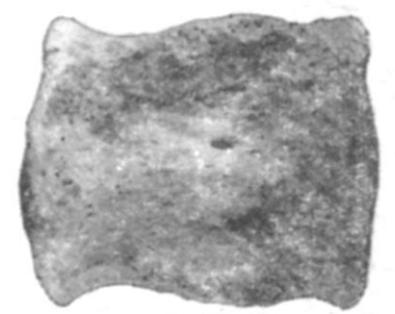
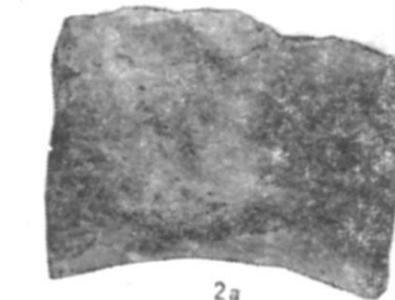
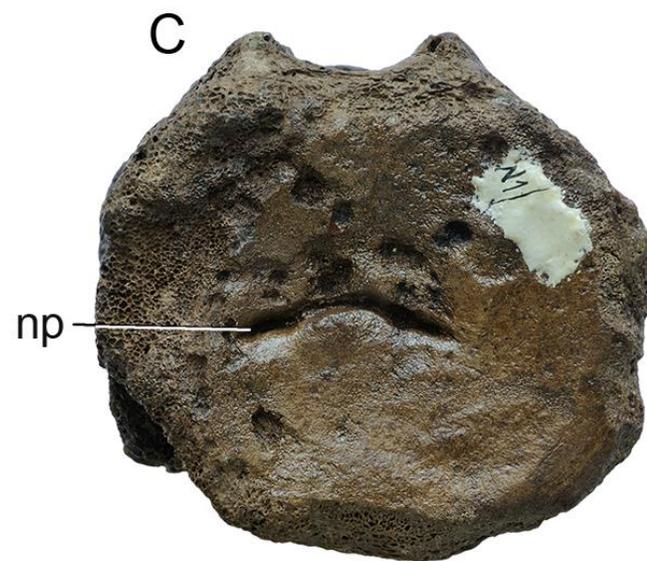
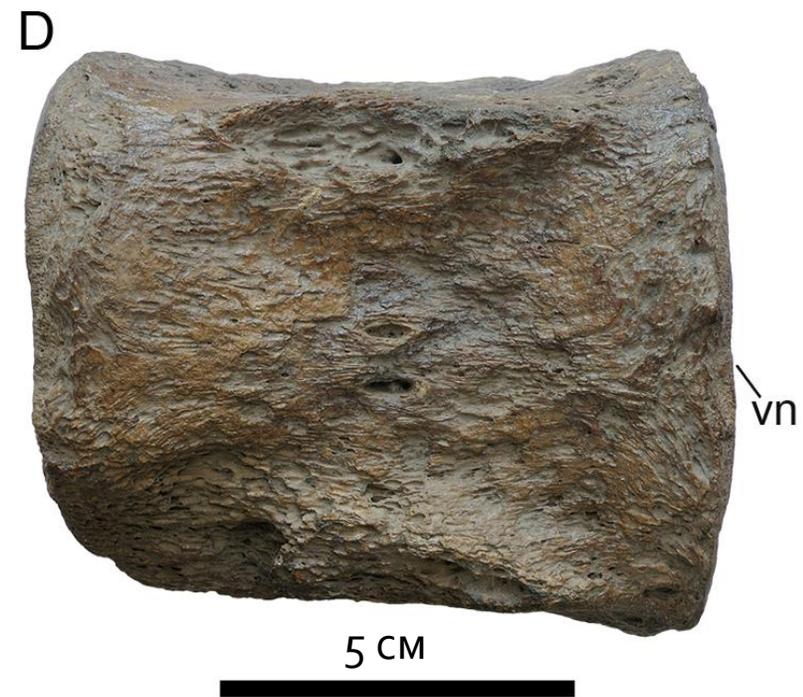
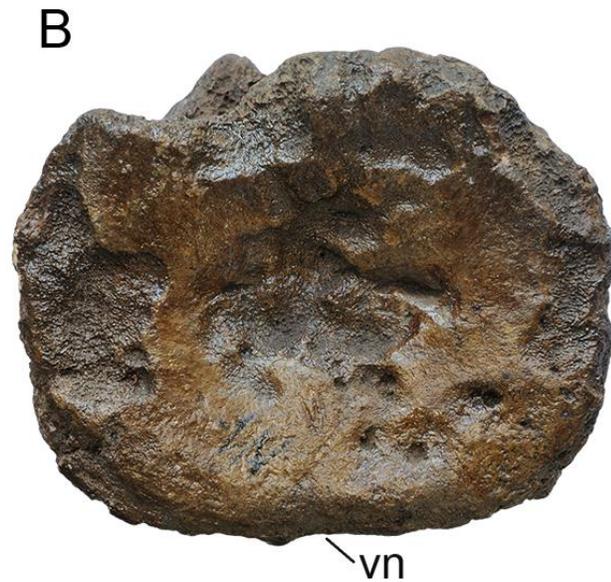
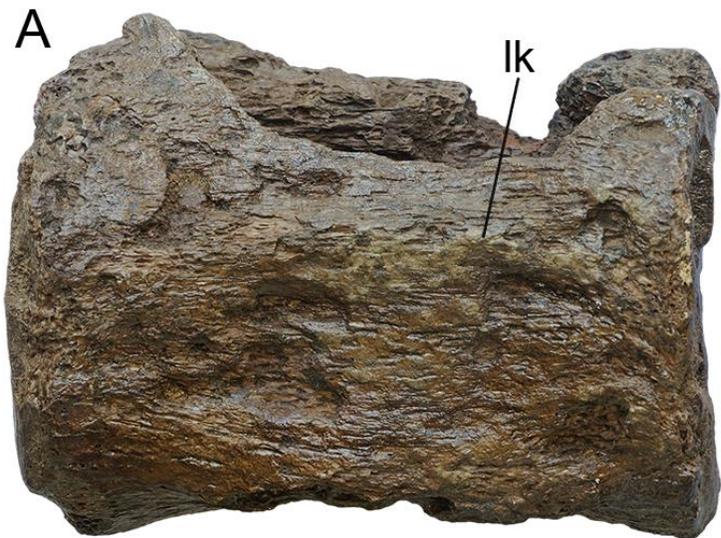
Styxosaurus



10 CM

Aristonectes





Дубейковский,
Очев, 1967

An illustration of a long-necked marine reptile, possibly a Mosasaur, swimming in a prehistoric ocean. The creature has a long, thin neck and a body with four large, paddle-like flippers. It is surrounded by various marine life, including smaller fish, squid-like creatures, and ammonites. The background is a deep blue ocean with a rocky, coral-covered seabed at the bottom.

Спасибо за внимание

Иллюстрация А.Агучина