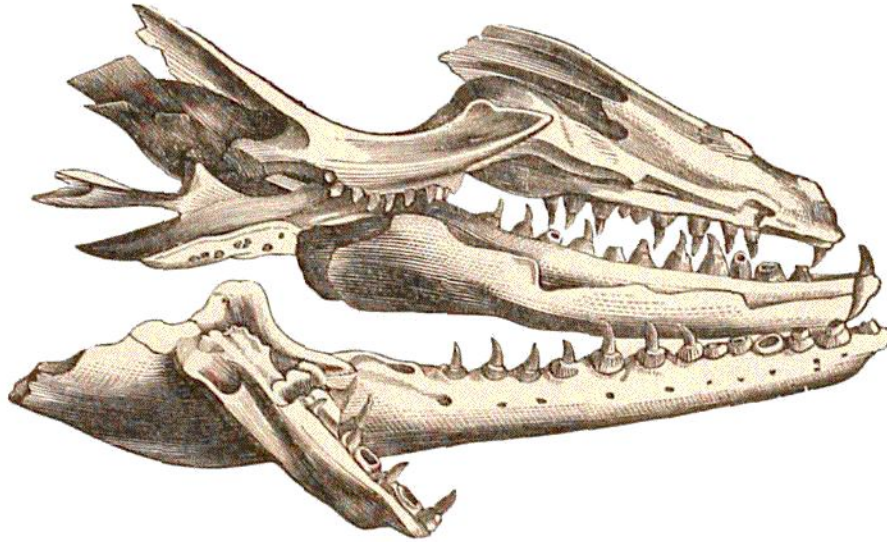


horridus of Huxley occurs in the Upper Cretaceous, and *Megalosaurus Bredai* of Seeley at the top of the Cretaceous in the Maestricht beds. Mosasaurids make their first appearance after the Neocomian, as in America; a *Liodon* occurring in the Upper Chalk, and *Mosasaurus Camperi* Meyer (Fig. 1466), in the Maestricht beds, and also at Lewes, England.

1466.



Mosasaurus Camperi ($\times \frac{1}{12}$).

At Gosau in the northeastern Alps, Austria, remains of the horn-cores of Ceratopsids have been found in beds of the Upper Greensand, and described under the name *Struthiosaurus*.

3. **Birds.** — Imperfect remains of two species of *Enaliornis* Seeley have been obtained from the Cambridge Greensand; and Professor Seeley observes that they may be related to the *Hesperornis* of Kansas. A species of *Palæornis* occurs in the Wealden.

4. **Mammals.** — Only one species had been reported up to 1894. It is referred to the Jurassic Marsupial genus *Plagiaulax*. The only specimen is a molar tooth from the Wealden of Hastings (S. Woodward, 1891).

Local Subdivisions and their Characteristic Fossils.

1. LOWER CRETACEOUS.

A. **Great Britain.** — 1. The WEALDEN. (a) The Hastings sand and clays, or *Lower Neocomian*, which have afforded, besides plant remains and fresh-water shells, the bones of many Saurians.

(b) The Weald clay or *Middle Neocomian* (400'–1000'), containing, at a level about 100' from its top, the Paludina limestone, sometimes called Sussex marble, consisting chiefly of fresh-water shells of *Paludina fluviarum* — a marble “renowned in the annals of church architecture.” In addition to fresh-water shells, and fish remains, there are remains also of Reptiles; and on the Isle of Wight occur *Exogyra sinuata* and an *Ostrea*.

The Lower Greensand, 250'–450', overlies the Wealden in southern England, but overlaps northward the Upper Oölytic beds. Contains *Ammonites* (*Hoplites*) *Deshayesi*,