

## REVIEWS.

CONTRIBUTIONS TO CANADIAN PALEONTOLOGY, Vol. III.—ON DRYPTOSAURUS INCRASSATUS (Cope), FROM THE EDMONTON SERIES OF THE NORTH-WEST TERRITORY. Part III., July, 1904. By Lawrence M. Lambe.

The continuation of the Reports on vertebrate palæontology of the Geological Survey of Canada is most welcome. Following Part I. by Professor Cope on the mammals of the Cypress Hills Oligocene beds, and Part II. by Professor Osborn and Mr. Lambe, chiefly on the reptiles of the Belly River series, Alberta, comes the interesting memoir of Mr. Lawrence M. Lambe on the large carnivorous Dinosaur of the Upper Cretaceous, Edmonton or Laramie beds. In the meantime Mr. Lambe has received the well earned title of Vertebrate Palæontologist.

The two skulls described here were found many years ago in the Edmonton series of Alberta, and were identified and described by Professor Cope as specifically identical with *Laelaps incrassatus* which had been found in the somewhat older Judith River beds of Montana. Professor Cope published a brief description without figures, and as we knew little of the cranial characters of the Upper Cretaceous Dinosaurs, Mr. Lambe's full description and figures are of very great interest and value.

As restored by him the skull in proportions is remarkably similar to that of the small Tuatera lizard of New Zealand enlarged to a massive and formidable scale, that is, the facial region is less elongated than in the carnivorous Jurassic Dinosaurs, which seem to be closely related if not ancestral to this Upper Cretaceous form. What is lost in length, however, is gained in strength and power, proof that the Upper Cretaceous carnivorous Dinosaurs were thoroughly capable of attacking the huge horned Dinosaurs (the Ceratonia) of the same period. These particular specimens are of a somewhat smaller and lighter construction in the feet than others which have been found farther south, and there is evidence of considerable specific if not generic variation among these animals in adaptation to the capture of the many different