

Measurements of Dorsal Vertebra (?fourth or fifth) of Paratype of Edmontosaurus.

	Mm.
Maximum length.....	327
Maximum height.....	352
Length of centrum at midheight.....	151
Anterior height of centrum, about.....	97
Posterior height of same.....	93
Posterior breadth of same.....	81
Depth of concavity of posterior end of centrum.....	20
Height of neural canal, about.....	42
Anterior height of neural spine measured along its slope.....	194
Antero-posterior breadth of same at upper end.....	106
Transverse thickness of same at midheight.....	10
Length of transverse process measured from base of neural spine.....	128

Posterior Dorsal Vertebra. The vertebra shown in Figure 32 is apparently the last of the dorsal series judging from the small size of the single-headed ribs which are preserved attached to the transverse processes. This vertebra belongs to the paratype of *Edmontosaurus* and gives the changes in form that have resulted in passing to the back of the series. It has much the appearance of an anterior caudal vertebra which it might readily be mistaken for but for the presence of ribs. In comparison with the anterior dorsals there is an increase in size, the centrum is of a different shape, the neural spine is upright instead of sloping backward, and the transverse processes have become almost horizontal.

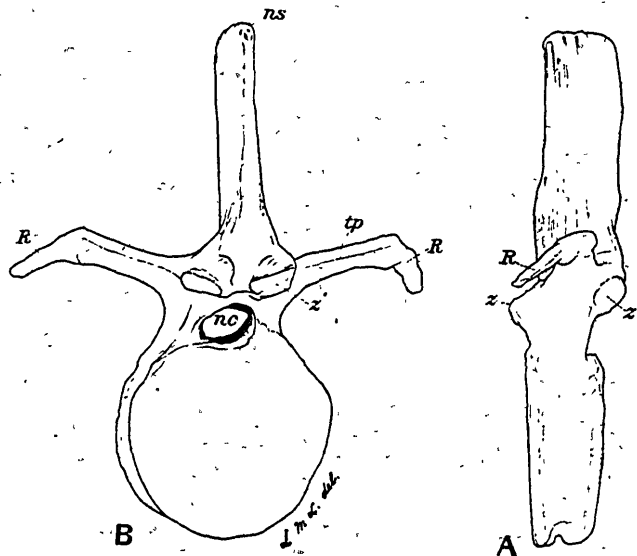


Figure 32. Posterior dorsal vertebra of paratype of *Edmontosaurus*; $\frac{1}{2}$ natural size. A, left lateral aspect; B, posterior aspect. Lettering as in Figures 30 and 31.

The centrum is about as broad as high, and is very short. The posterior end is moderately concave, the anterior one almost flat with a slight convexity. The sides are deeply concave in a fore-and-aft direction, and ventrally a longitudinally directed ridge connects the two ends. In