

CONTENTS.

	PAGE.
Introduction.....	1
Material on which <i>Edmontosaurus</i> is based	2
Osteology of <i>Edmontosaurus</i>	5
Skull	5
Mandible.....	38
Outer openings of the skull	46
Brain	51
Vertebrae	57
Ribs	61
Fore limb	63
The genus <i>Edmontosaurus</i>	66
Classification of the Hadrosauridae	67
Division into three subfamilies	67
Comparison with related forms	68
List of principal works cited	77
Index	79

Illustrations.

Figure	PAGE.
1. Rocks of the Edmonton formation, Red Deer river, Alberta	3
2. Site of the discovery in 1916 of the second skeleton of <i>Edmontosaurus</i>	4
3. Skull of type of <i>Edmontosaurus regalis</i> ; left lateral aspect	6
4. Superior aspect of the same	7
5. Cranium of paratype of <i>Edmontosaurus regalis</i> ; inferior view	9
6. Posterior view of the same	11
7. Anterior view of the same	14
8. Superior view of the same	18
9. Right prefrontal of paratype of <i>Edmontosaurus</i> ; viewed from below obliquely from the rear	22
10. Right lachrymal of paratype of <i>Edmontosaurus</i> ; external, internal, and posterior aspects	23
11. Right nasal of paratype of <i>Edmontosaurus</i> ; internal aspect, obliquely from below	24
12. Left maxillary of paratype of <i>Edmontosaurus</i> ; external and internal aspects	26
13. Left maxillary, palatine, pterygoid, and ectopterygoid of paratype of <i>Edmontosaurus</i> ; external aspect	27
14. Left jugal of paratype of <i>Edmontosaurus</i> ; viewed from within	92
15. Left quadrato-jugal of paratype of <i>Edmontosaurus</i> ; outer and inner aspects	30
16. Left quadrate of paratype of <i>Edmontosaurus</i> ; viewed externally obliquely from the front, internally obliquely from the rear, with outlines of transverse sections	30
17. Left pterygoid of paratype of <i>Edmontosaurus</i> ; external and internal aspects	33
18. Right palatine of paratype of <i>Edmontosaurus</i> ; outer and inner aspects	35
19. Left ectopterygoid of paratype of <i>Edmontosaurus</i> ; outer and inner aspects	36
20. Left mandibular ramus of paratype of <i>Edmontosaurus</i> ; inner aspect	38
21. Left dentary of paratype of <i>Edmontosaurus</i> ; inner aspect	39
22. Right surangular of paratype of <i>Edmontosaurus</i> ; external, internal, and superior aspects	42
23. Portion of left articular of paratype of <i>Edmontosaurus</i> ; external, anterior, and posterior aspects	43
24. Left splenial of paratype of <i>Edmontosaurus</i> ; outer and inner views	44
25. Right angular of paratype of <i>Edmontosaurus</i> ; outer and inner views	45
26. Brain-case of paratype of <i>Edmontosaurus</i> ; right lateral aspect	48
27. Cast of brain-cavity of paratype of <i>Edmontosaurus</i> ; left lateral, superior, and inferior aspects	52