

Contents

	<i>Page</i>
Introduction	1
Acknowledgments	4
Abbreviations	5
Class MAMMALIA Linnaeus, 1758	5
Order DESMOSTYLIA Reinhart, 1953	5
Family Uncertain	5
<i>Behemotops</i> , new genus	6
<i>Behemotops proteus</i> , new species	6
<i>Behemotops emlongi</i> , new species	23
Relationship between <i>Behemotops proteus</i> and <i>B. emlongi</i>	31
History of Desmostylian Systematics	33
Characters Used in Phylogenetic Analysis	37
Comparisons with Early Proboscidea and <i>Minchenella</i>	38
<i>Moeritherium</i>	38
<i>Anthracobune</i>	43
<i>Minchenella</i>	44
Implications for Eutherian Dental Homologies	45
Status of the Tethytheria	46
Desmostylian Lifestyle	47
Conclusions	48
Literature Cited	49