

CONTENTS

LIST OF FIGURES	vii
ACKNOWLEDGEMENTS	ix
INTRODUCTION AND AIMS	1
ANIMALS INCLUDED	1
TERMS, ABBREVIATIONS, DIVISIONS AND DIRECTIONS IN THE SKELETON	
AND DENTITION	2
The Skeleton	2
Dentition	4
BONES AND THEIR IDENTIFICATION	4
GENERAL NOTE ABOUT THE DRAWINGS	6
SIZE AND VARIATION	6
ANTLERS	9
HORN CORES	9
CRANIAL BONES	10
TEETH	11
Human teeth	12
Pig teeth	12
Bovid and cervid teeth	12
Horse teeth	12
Dog and cat teeth	13
The teeth diagrams	13
Identifying teeth	13
Group 1 – spatulae	13
Group 2 – points	17
Group 3 – pig tusks	17
Group 4 – hooks	17
Group 5 – blades	17
Group 6 – pig, bovid and cervid teeth with high crowns	
and simple infoldings	18
Group 7 – broad crowns with low cusps	20
Group 8 – tall crowns with complex infoldings	22
Group 9 – tall crowns with an infundibulum	22
TOOTH SOCKETS	24
MANDIBLE	24
VERTEBRAE	24
Atlas	25
Axis	27
Cervical Vertebrae other than Atlas and Axis	28
Thoracic Vertebrae	28
Lumbar Vertebrae	29
Sacrum	29

Caudal vertebrae	30
RIBS	30
SCAPULA	30
HUMERUS	32
RADIUS-ULNA	34
INNOMINATE BONE	36
FEMUR	37
TIBIA-FIBULA	39
CARPALS	40
TARSALS	40
Talus	41
Calcaneus	41
Central and distal row of horse, bovids and cervids	41
BOVID AND CERVID METAPODIALS	42
Distinguishing metatarsals from metacarpals	42
Distinguishing left from right	42
Distinguishing between taxa	43
HORSE METAPODIALS	44
Distinguishing third from second and fourth metapodials	44
Distinguishing third metacarpals from third metatarsals	44
Distinguishing left from right third metapodials	46
Second and fourth metapodials	46
METAPODIALS OF CATS, DOGS, PIGS AND HUMANS	46
Length and robusticity	47
Body	47
Base articular facets	47
Head articulation	50
PHALANGES	52
Distal phalanx	52
Proximal and intermediate phalanges	54
REFERENCES	59
INDEX	61