

# ECONOMIC ZOOARCHAEOLOGY

STUDIES IN HUNTING, HERDING AND EARLY AGRICULTURE

*Edited by*

PETER ROWLEY-CONWY, DALE SERJEANTSON AND  
PAUL HALSTEAD

# Contents

<i>Contributors</i>	viii
Introduction	xi
<i>Peter Rowley-Conwy, Dale Serjeantson and Paul Halstead</i>	
Tony Legge – a bibliography	xiv
PART I: BONE MAN: THE CAREER AND INFLUENCE OF TONY LEGGE	
1. Tony Legge (1939–2013)	3
<i>Robin Dennell</i>	
2. Tony Legge and continuing education in archaeology at the University of London 1974–2004	5
<i>Harvey Sheldon</i>	
3. ‘The lowing herd winds slowly o’er the lea ...’ Tony Legge and the origins and spread of animal husbandry	9
<i>Andrew M. T. Moore</i>	
4. Reflections in a dustbin: froth flotation and origins of rice cultivation in South-east Asia	15
<i>Charles Higham</i>	
5. How the pig parts got from Warrago to Web	22
<i>James F. O’Connell</i>	
6. Tony Legge and the Blick Mead Project	24
<i>David Jacques</i>	
PART II: ZOOARCHAEOLOGICAL METHOD AND THEORY	
7. Bone measurements and body weights from some Australian feral pigs	29
<i>A. J. Legge†</i>	
8. A morphometric investigation of late Pleistocene and Holocene humeri of aoudad (Barbary sheep: <i>Ammotragus lervia</i> , Pallas 1777) recovered from the Haua Fteah, Cyrenaica, Libya	40
<i>A. J. Legge† and C. M. Stimpson</i>	
9. Towards a metrical distinction between sheep and goat astragali	50
<i>Simon J. M. Davis</i>	
10. Down among the dead men: wrong end epidemiology and its implications for palaeopathology	83
<i>Tony Waldron</i>	
11. A typology of dog deposition in archaeological contexts	89
<i>Angela Perri</i>	

12. The boundaries of the world. The archaeology of humans and animals in southern South America <i>A. Sebastián Muñoz and Mariana Mondini</i>	100
13. Zooarchaeology in Britain: a partial history <i>Dale Serjeantson</i>	109
PART III: THE ZOOARCHAEOLOGY OF MILKING CONTROVERSY	
14. Calf mortality and milking: was Tony Legge right after all? <i>Paul Halstead and Valasia Isaakidou</i>	119
15. Age-at-death in traditional Cypriot sheep and goat husbandry: implications for zooarchaeology <i>Angelos Hadjikoumis</i>	126
16. A calf's eye view of milk production: Tony Legge's contribution to dairy husbandry studies <i>Rosalind E. Gillis</i>	135
17. Rethinking dairying in the Irish Iron Age: evidence from Dún Ailinne <i>Pam J. Crabtree</i>	143
18. Answering zooarchaeological questions from the analysis of animal bones and organic pottery residues: a critical comparison <i>Alan K. Outram</i>	148
19. Salt, cows, milk, and the earliest farmers of central Europe <i>Peter Bogucki</i>	157
PART IV: FARMERS THAT HUNT	
20. Hunting by farmers: ecological implications <i>Jonathan C. Driver and Shaw Badenhorst</i>	165
21. Evaluating seasonality of birth in gazelles in the Middle Euphrates Valley: confirming ethological assumptions in the Abu Hureyra model <i>Carlos Tornero, Marie Balasse, Joël Ughetto-Monfrin, Miquel Molist and Maria Saña</i>	173
22. Hunting and herding in the Middle Neolithic of central Serbia: a zooarchaeological analysis of Stragari-Šljivik, Serbia <i>Haskel J. Greenfield</i>	183
PART V: PREHISTORIC BRITAIN	
23. To the Upper Lake: Star Carr revisited – by birchbark canoe <i>Peter Rowley-Conwy</i>	197
24. The first farmers in Britain and Ireland – whence and whither and how? Some reflections <i>Roger Mercer</i>	208
25. Integration of cereal cultivation and animal husbandry in the British Neolithic: the evidence of charred plant remains from timber buildings at Lismore Fields <i>Glynis Jones and Amy Bogaard</i>	221
26. Taphonomy and cultural selection: Tony Legge and the Neolithic pits beside the Dorset Cursus <i>Richard Bradley</i>	227
27. Humans and animals in Mesolithic, Neolithic and Bronze Age Dorset <i>Mark Maltby</i>	231
28. Reconsideration of the 'Mesolithic harpoon' from Westward Ho!, Devon <i>Sonia O'Connor and Terry O'Connor</i>	240

## PART VI: CONTINENTAL EUROPE AND THE MEDITERRANEAN

- |  |     |
|--|-----|
| 29. Revisiting the animal remains from Neolithic Kalavassos <i>Tenta</i> , Cyprus<br><i>Paul Croft</i>   | 255 |
| 30. Neolithic subsistence at Vela Špilja on the island of Lošinj, Croatia<br><i>Suzanne E. Pilaar Birch</i>  | 263 |
| 31. Using faunal remains to evaluate social stratification in the Middle Iron Age: the fortified village of<br>Mas Castellar de Pontós, north-east Iberian Peninsula<br><i>Lidia Colominas</i> | 269 |
| 32. The economy of medieval and post-medieval Vyborg, Russia, in its historical context<br><i>Alexei Kasparov</i>  | 279 |
| 33. Dear, oh deer! The adventures of compiling comparative collections: a cervid skeleton allegedly from<br>Egypt's Eastern Desert<br><i>Salima Ikram and Louise Bertini</i>                   | 291 |