

Contents

1	Introduction: Issues in the Life and Times of <i>Australopithecus</i>	1
	Kaye E. Reed	
Part I Geological and Paleontological Context		
2	Age Ranges of <i>Australopithecus</i> Species, Kenya, Ethiopia, and Tanzania.	7
	Francis H. Brown, Ian McDougall and Patrick N. Gathogo	
3	A Multi-Disciplinary Perspective on the Age of <i>Australopithecus</i> in Southern Africa	21
	Andy I. R. Herries, Robyn Pickering, Justin W. Adams, Darren Curnoe, Ginette Warr, Alf G. Latham and John Shaw	
4	Reconstructing the Habitats of <i>Australopithecus</i>: Paleoenvironments, Site Taphonomy, and Faunas	41
	Anna K. Behrensmeyer and Kaye E. Reed	
Part II Sites and Species		
5	<i>Australopithecus</i> in Ethiopia	63
	Zeresenay Alemseged	
6	The Alpha Taxonomy of <i>Australopithecus africanus</i>	73
	Frederick E. Grine	
7	<i>Australopithecus</i> from Sterkfontein Caves, South Africa.	105
	Ronald Clarke	
8	Variation in Mandibular Postcanine Dental Morphology and Hominin Species Representation in Member 4, Sterkfontein, South Africa	125
	Frederick E. Grine, Marcia M. Delanty and Bernard A. Wood	
9	<i>Australopithecus sediba</i> from Malapa, South Africa	147
	Darryl J. de Ruiter, Steven E. Churchill and Lee R. Berger	

Part III Biogeography

- 10 Comparative Evolutionary Models and the “Australopith Radiations”** 163
Robert A. Foley
- 11 Whence *Australopithecus africanus*? Comparing the Skulls
of South African and East African *Australopithecus*** 175
Charles Lockwood
- 12 The Biogeographic Implications of Early Hominin Phylogeny** 183
David S. Strait

Part IV Paleobiology

- 13 Sexual Size Dimorphism in *Australopithecus*: Current Understanding
and New Directions** 195
Adam D. Gordon
- 14 Molar Microwear, Diet and Adaptation in a Purported Hominin
Species Lineage from the Pliocene of East Africa** 213
Frederick E. Grine, Peter S. Ungar, Mark F. Teaford and Sireen El-Zaatari
- 15 Some Ruminations on Australopith Diets.** 225
Matt Sponheimer
- 16 Postural and Locomotor Adaptations of *Australopithecus* Species** 235
Carol V. Ward
- 17 Shoulder Morphology in Early Hominin Evolution** 247
Susan G. Larson
- 18 Age and Sex Differences in the Locomotor Skeleton of *Australopithecus* . . .** 263
Elizabeth H. Harmon
- Subject Index** 273
- Specimen Index** 279
- Site/Locality Index** 281