

Contents

1	Introduction	1
	<i>Meave G. Leakey</i>	
2	Geology, Paleosols, and Dating	
2.1	Stratigraphy and Depositional History of the Lothagam Sequence <i>Craig S. Feibel</i>	17
2.2	Miocene and Pliocene Paleosols of Lothagam <i>Jonathan G. Wynn</i>	31
2.3	Numerical Age Control for the Miocene-Pliocene Succession at Lothagam, a Hominoid-bearing Sequence in the Northern Kenya Rift <i>Ian McDougall and Craig S. Feibel</i>	43
3	Crustacea and Pisces	
3.1	Fossil Crabs (Crustacea, Decapoda, Brachyura) from Lothagam <i>Joel W. Martin and Sandra Trautwein</i>	67
3.2	Fossil Fish Remains from Mio-Pliocene Deposits at Lothagam, Kenya <i>Kathlyn M. Stewart</i>	75
4	Reptilia and Aves	
4.1	Fossil Turtles from Lothagam <i>Roger C. Wood</i>	115
4.2	Late Miocene–Early Pliocene Crocodilian Fauna of Lothagam, Southwest Turkana Basin, Kenya <i>Glenn W. Storrs</i>	137
4.3	Lothagam Birds <i>John M. Harris and Meave G. Leakey</i>	161
5	Lagomorpha and Rodentia	
	Rodents and Lagomorphs from the Miocene and Pliocene of Lothagam, Northern Kenya <i>Alisa J. Winkler</i>	169
6	Primates	
6.1	Cercopithecidae from Lothagam <i>Meave G. Leakey, Mark F. Teaford, and Carol V. Ward</i>	201
6.2	The Lothagam Hominids <i>Meave G. Leakey and Alan C. Walker</i>	249

7	Carnivora	
	Mio-Pliocene Carnivora from Lothagam, Kenya	261
	<i>Lars Werdelin</i>	
8	Proboscidea and Tubulidentata	
8.1	Elephantoidea from Lothagam	331
	<i>Pascal Tassy</i>	
8.2	Deinotheres from the Logatham Succession	359
	<i>John M. Harris</i>	
8.3	Fossil Aardvarks from the Lothagam Beds	363
	<i>Simon A. H. Milledge</i>	
9	Perissodactyla	
9.1	Lothagam Rhinocerotidae	371
	<i>John M. Harris and Meave G. Leakey</i>	
9.2	Systematics and Evolutionary Biology of the Late Miocene and Early Pliocene Hipparionine Equids from Lothagam, Kenya	387
	<i>Raymond L. Bernor and John M. Harris</i>	
10	Hippopotamidae and Suidae	
10.1	Fossil Hippopotamidae from Lothagam	441
	<i>Eleanor M. Weston</i>	
10.2	Lothagam Suidae	485
	<i>John M. Harris and Meave G. Leakey</i>	
11	Ruminantia	
11.1	Lothagam Giraffids	523
	<i>John M. Harris</i>	
11.2	Bovidae from the Lothagam Succession	531
	<i>John M. Harris</i>	
12	Isotopes	
12.1	Stable Isotope Ecology of Northern Kenya, with Emphasis on the Turkana Basin	583
	<i>Thure E. Cerling, John M. Harris, Meave G. Leakey, and Nina Mudida</i>	
12.2	Isotope Paleoecology of the Nawata and Nachukui Formations at Lothagam, Turkana Basin, Kenya	605
	<i>Thure E. Cerling, John M. Harris, and Meave G. Leakey</i>	
13	Lothagam: Its Significance and Contributions	625
	<i>Meave G. Leakey and John M. Harris</i>	
	Appendix: Notes on the Reconstructions of Fossil Vertebrates from Lothagam	661
	<i>Mauricio Antón</i>	
	Contributors	667
	Index	669

Lothagam

