

Contents

Part I Retrospectives and Theoretical Perspectives

- 1 **Early Humans: Of Whom Do We Speak?**..... 3
Richard E. Leakey
- 2 ***Homo habilis* – A Premature Discovery: Remembered
by One of Its Founding Fathers, 42 Years Later** 7
Phillip V. Tobias
- 3 **Where Does the Genus *Homo* Begin,
and How Would We Know?** 17
Bernard A. Wood

Part II Craniodental Perspectives on Taxonomy and Systematics

- 4 **The Origin of *Homo*** 31
William H. Kimbel
- 5 **Comparisons of Early Pleistocene Skulls from East Africa
and the Georgian Caucasus: Evidence Bearing on the Origin
and Systematics of Genus *Homo*** 39
G. Philip Rightmire and David Lordkipanidze
- 6 **Phenetic Affinities of Plio-Pleistocene *Homo* Fossils
from South Africa: Molar Cusp Proportions** 49
Frederick E. Grine, Heather F. Smith, Christopher P. Heesy
and Emma J. Smith

Part III Postcranial Perspectives on Locomotion and Adaptation

- 7 **Evolution of the Hominin Shoulder: Early *Homo***..... 65
Susan G. Larson
- 8 **Brains, Brawn, and the Evolution of Human Endurance
Running Capabilities** 77
Daniel E. Lieberman, Dennis M. Bramble,
David A. Raichlen and John J. Shea
- 9 **Interlimb Proportions in Humans and Fossil Hominins:
Variability and Scaling**..... 93
William L. Jungers

Part IV Perspectives on Development, Diet and Behavior

- 10 **Growth and Development of the Nariokotome Youth, KNM-WT 15000** 101
M. Christopher Dean and B. Holly Smith
- 11 **Dental Evidence for Diets of Early *Homo*** 121
Peter S. Ungar and Robert S. Scott
- 12 **Origins and Adaptations of Early *Homo*: What Archeology Tells Us** 135
Hélène Roche, Robert J. Blumenschine and John J. Shea

Part V Environmental and Ecological Perspectives

- 13 **Plio-Pleistocene East African Pulsed Climate Variability and Its Influence on Early Human Evolution** 151
Mark A. Maslin and Martin H. Trauth
- 14 **Tracking Ecological Change in Relation to the Emergence of *Homo* Near the Plio-Pleistocene Boundary** 159
Kaye E. Reed and Samantha M. Russak
- 15 **Ecology of Plio-Pleistocene Mammals in the Omo-Turkana Basin and the Emergence of *Homo*** 173
René Bobe and Meave G. Leakey
- 16 **Biogeochemical Evidence for the Environments of Early *Homo* in South Africa** 185
Matt Sponheimer and Julia A. Lee-Thorp

Part VI Summary Perspective on the Workshop

- 17 **The First Humans: A Summary Perspective on the Origin and Early Evolution of the Genus *Homo*** 197
Frederick E. Grine and John G. Fleagle

Subject Index 209

Specimen Index 215

Site/Locality Index 217