

Contents

Preface ix

Part I. General Background: Modern Human Behavior in the Paleolithic World

- 1 Some Key Issues in the Emergence and Diversity of “Modern” Human Behavior 3
Paul Mellars
- 2 Early Modern Human Dispersal in Central and Eastern Europe 23
Jiří Svoboda
- 3 Human Migrations and Adaptations in Asia Inferred from Genome Diversity 34
Ryosuke Kimura
- 4 Migration and the Origins of *Homo sapiens* 51
Peter Bellwood

Part II. South Asia

- 5 Modern Human Emergence in South Asia: A Review of the Fossil and Genetic Evidence 61
Sheela Athreya
- 6 Antiquity of Modern Humans and Behavioral Modernity in the Indian Subcontinent: Implications of the Jwalapuram Evidence 80
Ravi Korisettar
- 7 Genes, Stone Tools, and Modern Human Dispersals in the Center of the Old World 94
Parth R. Chauhan, Shantanu Ozarkar, and Shaunak Kulkarni

Part III. Southeast Asia

- 8 Hoabinhians: A Key Population with Which to Debate the Peopling of Southeast Asia 117
Hirofumi Matsumura, Marc F. Oxenham, and Nguyen Lan Cuong

- 9 First Archaeological Evidence of Symbolic Activities from the Pleistocene of Vietnam 133
Nguyen Viet

- 10 Reconstructing Late Pleistocene Climates, Landscapes, and Human Activities in Northern Borneo from Excavations in the Niah Caves 140
Tim Reynolds and Graeme Barker

- 11 Tracking Evidence for Modern Human Behavior in Paleolithic Indonesia 158
Truman Simanjuntak, François Sémah, and Anne-Marie Sémah

- 12 Human Emergence and Adaptation to an Island Environment in the Philippine Paleolithic 171
Armand Salvador Mijares

- 13 Detecting Traits of Modern Behavior through Microwear Analysis: A Case Study from the Philippine Terminal Pleistocene 182
Alfred F. Pawlik

Part IV. Wallacea and Australia

- 14 Maritime Migration and Lithic Assemblage on the Talaud Islands in Northern Wallacea during the Late Pleistocene to the Early Holocene 201
Rintaro Ono, Naoki Nakajima, Hiroe Nishizawa, Shizuo Oda, and Santoso Soegondho

- 15 Crossing the Wallace Line: The Maritime Skills of the Earliest Colonists in the Wallacean Archipelago 214
Sue O'Connor

- 16 Cultural Diversification and the Global Dispersion of *Homo sapiens*: Lessons from Australia 225
Peter Hiscock

Part V. East Asia—Mainland and Taiwan

- 17** Chang-pin Culture of Taiwan and Characteristics of Its Lithic Industry 239
Chao-mei Lien
- 18** New Evidence of Modern Human Behavior in Paleolithic Central China 250
Youping Wang
- 19** Hand Axes in the Imjin River Basin, Korea: Implications for Late Pleistocene Hominin Evolution in East Asia 259
Seonbok Yi
- 20** The Characteristics of Upper Paleolithic Industries in Korea: Innovation, Continuity, and Interaction 270
Gikil Lee

Part VI. East Asia—Japanese Archipelago

- 21** The Appearance and Characteristics of the Early Upper Paleolithic in the Japanese Archipelago 289
Masami Izuho and Yousuke Kaifu
- 22** Paleovegetation during Marine Isotope Stage 3 in East Asia 314
Hikaru Takahara and Ryoma Hayashi
- 23** Further Study on the Late Pleistocene Megafaunal Extinction in the Japanese Archipelago 325
Akira Iwase, Keiichi Takahashi, and Masami Izuho
- 24** Pleistocene Seafaring and Colonization of the Ryukyu Islands, Southwestern Japan 345
Yousuke Kaifu, Masaki Fujita, Minoru Yoneda, and Shinji Yamasaki
- 25** Maritime Transport of Obsidian in Japan during the Upper Paleolithic 362
Nobuyuki Ikeya
- 26** Appearance of Hakuhen-Sentoki (HS Points) and Second Modern Human Migration into Kyushu, Japan 376
Kazuki Morisaki
- 27** Trap-Pit Hunting in Late Pleistocene Japan 389
Hiroyuki Sato

- 28** Further Analyses of Hokkaido Jomon Mitochondrial DNA 406
Noboru Adachi, Ken-ichi Shinoda, and Masami Izuho

- 29** On the Processes of Diversification in Microblade Technocomplexes in Late Glacial Hokkaido 418
Yuichi Nakazawa and Satoru Yamada

Part VII. Siberia and Mongolia

- 30** The Overland Dispersal of Modern Humans to Eastern Asia: An Alternative, Northern Route from Africa 437
Ted Goebel
- 31** The Paleolithic Peopling of Mongolia: An Updated Assessment 453
Jacques Jaubert
- 32** Middle and Upper Paleolithic Interactions and the Emergence of "Modern Behavior" in Southern Siberia and Mongolia 470
Evgeny P. Rybin
- 33** The Emergence of Modern Behavior in the Trans-Baikal, Russia: Timing and Technology 490
Ian Buvit, Karisa Terry, Masami Izuho, and Mikhail V. Konstantinov
- 34** Modern Human Response to the Last Glacial Maximum in Siberia 506
Kelly E. Graf

Part VIII. Summary and Conclusions

- 35** Modern Human Dispersal and Behavior in Paleolithic Asia: Summary and Discussion 535
Yousuke Kaifu, Masami Izuho, and Ted Goebel

About the Contributors 567

Index 571

A gallery of color photographs follows page 260.