

Contents

ACKNOWLEDGEMENTS | 9

PREFACE | 11

HUMAN, SYMBOLS AND CULTURE

From Animal to Humans: Anthropogenesis as a Subject of Scientific Research | 17
(*Václav Soukup*)

Symbolic Thought, Creativity, and Human Evolution | 30
(*Ian Tattersall*)

Hominin Mind and Creativity | 35
(*Robert Bednarik*)

Proto-art and Art: Art before Art | 45
(*Barbora Půta*)

Symbolic Material Culture in the Late Pleistocene: Use in Prehistory,
Appearance in the Archaeological Record and Taphonomy | 57
(*Michelle C. Langley*)

Mind Reading and Symbolism in Human Evolution: The Upper Paleolithic Period | 76
(*Winfried Henke*)

The Origin of Culture by Means of Natural and Artefactual Languages | 98
(*Kate Distin*)

In the Beginning Was Art... | 108
(*Walter Leitner*)

Towards Abstraction during the Palaeolithic | 110
(*Christine Desdemaines-Hugon*)

The Genesis of Human Creativity and Art | 117
(*Jean Clottes*)

EVOLUTION, ART AND CULTURE

The Start of Art | 123
(*Harald Floss*)

Thoughts on Ice Age Art | 130
(*Ingmar M. Braun*)

Artistic Techniques in the Upper Paleolithic Age | 139
(*Barbora Půta, Václav Soukup*)

The Seven Wonders of Prehistoric Culture: Western Europe | 145
(*Barbora Půta, Václav Soukup*)

- The Seven Wonders of Prehistoric Culture: Central Europe | 170
(*Barbora Půta, Václav Soukup*)
- The Seven Wonders of Prehistoric Culture: Eastern Europe | 181
(*Barbora Půta, Václav Soukup*)
- At the Beginning: Rock Art in Southwest Europe | 187
(*Hipólito Collado Giraldo*)
- A Comparative Perspective on the Femaleness of Paleolithic Figurines | 211
(*Richard Lesure*)

MIND, CREATIVITY AND CULTURE

- The Genesis and Patterns of Prehistoric Art | 219
(*Emmanuel Anati, Ariela Fradkin Anati*)
- The Origins of Artistic Genius and the Archaeology of Emotional Difference | 232
(*Dave Whitley, Carmen M.T. Whitley*)
- The Emergence of Visual Narrative in Prehistory | 247
(*Esther Jacobson-Tepfer*)
- Art, Rock Art and Climate Change | 260
(*Thomas Heyd, Tilman Lenssen-Erz*)
- Art in the Light of Darkness | 271
(*Tilman Lenssen-Erz*)
- Elemental Marking and the Emergence of the Mind | 280
(*Jack Steinbring*)
- "Revolution of Symbols", Cognition, and the Neolithic Revolution | 288
(*Augustin F.C. Holl*)
- Experiments with Replicas of Neolithic Sickles | 306
(*Miroslav Popelka*)

SELECTED BIBLIOGRAPHY | 315

LIST OF ILLUSTRATIONS | 317

ABOUT THE AUTHORS | 320

INDEX OF LOCATIONS | 328

INDEX OF NAMES | 331