CONTENTS

FLORIAN KLIMSCHA, SVEND HANSEN, JÜRGEN RENN Preface: Contextualising Ancient Innovations —7

GERD GRASSHOFF

Technological Innovations —11

DAVID A. WARBURTON

Why Innovate? -25

SVEND HANSEN

Research on Prehistoric Innovations. A New Theme in Archaeology -43

CHRISTIAN JEUNESSE

From Invention to Innovation: Technical Systems in Late Prehistory — 57

JOCHEN BÜTTNER

Before Weighing — 67

GARY FEINMAN

Flying Cars and Polychrome Vases: Cross-Cultural Perspectives on Technological Innovations and Their Connection to Social Inequality — 87

FLORIAN KLIMSCHA, JÜRGEN RENN

Paths to Glory. Modelling the Diffusion of Innovations in Western Eurasia during the 5th and 4th Millennium —105

CATHERINE J. FRIEMAN

Make New Things but Keep the Old: Imitation, Innovation and the Communication of New Ideas -123

BARBARA HELWING

Metal Headbands in Southwestern Asia at the Turn of the 3rd Millennium BCE: A Social Innovation in Its Context —137

HEIDI KÖPP-JUNK

Wheeled Vehicles and Their Development in Ancient Egypt – Technical Innovations and Their (Non-) Acceptance in Pharaonic Times — 159

MARTIN FURHOLT

Innovations and Social Heterogeneity in Late Neolithic Europe — 185

ANN BRYSBAERT

Cross-Crafting and Its Meaning for Innovation in the Late Bronze Age Context of Tiryns, Greece -197



IANIR MILEVSKI

Modes of Production in the 'Copper Age' of the Southern Levant. Techno-Social Innovations during the 5th-3rd Millenia BC —219

KATHERINE GRUEL, OLIVIER BÜCHSENSCHÜTZ, OLIVIER NILLESSE

Mapping Innovations during the European Iron Age. Introduction —235

HENNY PIEZONKA

A Container Innovation in the Ice Age: The World's Oldest Pottery and its Dispersal among North Eurasian Hunter-Gatherers —257

FLORIAN KLIMSCHA

Towards a Social Theory of Ancient Innovations —283