Contents

List of Figures [page vii]
List of Tables [xii]
List of Contributors [xiii]
Preface [xv]

DAVID J. MATTINGLY

PART I INTRODUCTION [1]

1 Debating Mobile Technologies [3]
CHLOÉ N. DUCKWORTH, AURÉLIE CUÉNOD AND DAVID J. MATTINGLY

PART II TECHNOLOGICAL MOBILITY AND TRANSFERS [51]

2 Technological Innovations Transfer through the Hyper-Arid Belt [53]
MARIO LIVERANI

3 The Diffusion of Irrigation Technologies in the Sahara in Antiquity: Settlement, Trade and Migration [68]
ANDREW WILSON, DAVID J. MATTINGLY AND MARTIN STERRY

4 Crafts in Roman North Africa: Technical Transfer and Permanence through Grain Mills and Fullonicae [115]
TOUATIA AMRAOUI

5 Movement and Management of Animals in the North and West of Africa from 1000 BC to AD 1000 [143]
B. TYR FOTHERGILL, VEERLE LINSEELE AND SILVIA VALENZUELA LAMAS

6 The Early History of Weaving in West Africa: A Review of the Evidence [183]
SONJA MAGNAVITA
PART III  METALLURY  [209]

7 Metalworking in Pre-Islamic North Africa: A View from the Garamantian Oases  [211]
AURÉLIE CUÉNOD

8 Is the Archaeometallurgical Record a Valuable Tool when Considering Meroe within a Trans-Saharan Landscape?  [259]
JANE HUHMPHRIES

9 What Is the Meaning of the Extreme Variability of Ancient Ironworking in West Africa? A Comparison between Four Case Studies  [290]
CAROLINE ROBION-BRUNNER

PART IV  GLASS TECHNOLOGY  [315]

10 Shattering Illusions: Using Analytical Evidence to Establish Clearer Pictures of Glass Production and Trade within Africa  [317]
CHLOÉ N. DUCKWORTH

11 Glass Beads in African Society: Beyond Chemistry and Provenience  [385]
PETER ROBERTSHAW

12 Three Millennia of Egyptian Glassmaking  [423]
THILO REHREN AND DANIELA ROSENOW

PART V  HANDMADE POTTERY  [451]

13 Garamantian Ceramic Technology: Change and Exchange in a Trans-Saharan Perspective  [453]
MARIA CARMELA GATTO

PART VI  CONCLUSION  [485]

14 Technology in the Sahara and Beyond: Concluding Discussion  [487]
CHLOÉ N. DUCKWORTH, AURÉLIE CUÉNOD AND DAVID J. MATTLINGLY

Index  [504]