

11 Foreword*Else Roesdahl***13 Introduction***James Graham-Campbell***19 CHAPTER 1****Medieval Archaeology at the Outset of the Third Millennium:
Research and Teaching***Hans Andersson, Barbara Scholkmann and Mette Svart Kristiansen*

Different Countries: Different Medieval Archaeologies. The Development of Medieval Archaeology. Objectives and Research Topics. The Position of the Discipline among other Academic Disciplines. The Teaching of Medieval Archaeology. The Theoretical Framework. The European Perspective. Archaeological Investigation: Data and interpretation; Archaeological excavation; Buildings archaeology; Artefacts; Scientific methods of investigation and dating. Bibliography.

Box 1.1: Stratigraphic Relationships, *Mette Svart Kristiansen* 38

Box 1.2: From Excavation to Publication, *Sören Frommer* 40

46 CHAPTER 2**Peoples and Environments***Lech Leciejewicz and Magdalena Valor*

The Natural Landscape: Geomorphology and natural resources; Climate, plants and animals; The function of the North, Baltic and Mediterranean Seas in inter-regional contacts. Ethnography and Archaeology: North-West Europe; North-East Europe; Southern Europe. Socio-Political Transformation and Economic Progress: the Environmental Consequences: Socio-political transformation; Economic progress. Bibliography.

Box 2.1: The Norse Expansion across the North Atlantic, *Orri Vésteinsson* 52

Box 2.2: Central and Northern Europe as seen by Early Medieval Travellers and Geographers, *Lech Leciejewicz* 58

Box 2.3: Arabs and Berbers in al-Andalus, *Helena de Felipe* 68

76 CHAPTER 3

Rural Settlement

Jan Klápště and Anne Nissen Jaubert

Introduction: Rural settlement forms; Continuity and change. Rural Settlements as Internal Systems: Rural settlement stability; Building traditions; Building trends; Farmsteads as socio-economic units. Rural Territories as Economic Space: Fields; Rural technology and innovation. Rural Settlements in Relationship to Cemeteries and Churches or Chapels. The Heritage of Early Medieval Rural Settlement. Bibliography.

Box 3.1: Vorbasse, Denmark, *Jan Klápště & Anne Nissen Jaubert* 90

Box 3.2: The Diffusion of the Plough, *Jan Klápště & Anne Nissen Jaubert* 98

111 CHAPTER 4

Urban Settlement

John Schofield and Heiko Steuer

Part 1: Western Europe, *John Schofield* 111

Introduction. The Eighth and Ninth Centuries: Types of urban settlement; Patterns of public and private space; Religion in towns; Manufacturing and trade; Towns as 'central-places'; Conclusions for the eighth and ninth centuries. The Tenth to Twelfth Centuries: Types of urban settlement; Patterns of public and private space; Religion in towns; Manufacturing and trade; Towns as 'central-places'; Conclusions for tenth to twelfth centuries.

Part 2: Central, Northern, Eastern and Southern Europe, *Heiko Steuer* 129

Introduction. Definition. Phases of urban development. Types of early urban settlement. Population estimates. Patterns of public and private space. Towns as 'central-places'. Conclusions. Bibliography.

Box 4.1: Lundenwic, *John Schofield* 114

Box 4.2: Rome, *Riccardo Santangeli Valenzani* 130

Box 4.3: Hedeby, *Heiko Steuer* 140

154 CHAPTER 5

Housing Culture

Else Roesdahl and Barbara Scholkmann

Introduction. The Archaeology of Housing Culture. Sources. Rural Housing. Monastic Housing. Urban Housing. Aristocratic Housing. Warm, Bright, Safe and Formal in Castles and Towns: Heating and lighting; Interior design; Food, water and waste; Leisure. Concluding Remarks. Bibliography.

Box 5.1: The Icelandic House, *Orri Vésteinsson* 156

The Andalusian House, *Pilar Lafuente* 157

Box 5.2: Heating Systems, *Else Roesdahl & Barbara Scholkmann* 174

181 CHAPTER 6

Food

Sabine Karg and Pilar Lafuente

Part 1: The South, *Pilar Lafuente* 181

Introduction. Foods of Animal Origin: Which animals were used? How were they eaten? Foods of Vegetable Origin: Which vegetables were eaten? How were they used? Food of Mineral Origin. Preservation and Storage. Preparation and Consumption of Food.

Part 2: The Rest of Europe, *Sabine Karg* 192

Food from Fields. Food from Gardens. Food from Hedge and Forest. Alcoholic Beverages. Food from Domestic Animals. Food from Wild Animals. Bibliography.

Box 6.1: Archaeobotany and Archaeozoology, *Sabine Karg* 184

Box 6.2: Beer and Wine, *Sabine Karg* 199

Box 6.3: Sea Fishing and Long-Term Socio-Economic Trends in North-Western Europe, *James H Barrett* 201

208 CHAPTER 7

Technology, Craft and Industry

Ricardo Córdoba, with Jan Klápště, Anne Nissen Jaubert,

James Graham-Campbell, Jerzy Maik, Radomír Pleiner,

Sabine Felgenhauer-Schmiedt, Hans Krongaard Kristensen and Jens Vellev

Introduction: Textiles; Tanning; Bone, antler and horn; Ironworking; Pottery; Glass, Ricardo Córdoba. Watermills, Jan Klápště, Anne Nissen Jaubert and Ricardo Córdoba, with James Graham-Campbell. Cloth Production, Jerzy Maik. Iron and Ironworking, Radomír Pleiner. Continental Ceramics: Introduction; Tableware; Kitchenware, Sabine Felgenhauer-Schmiedt. The Production and Use of Bricks, Hans Krongaard Kristensen. Salt, Jens Vellev. Bibliography.

Material Culture and Daily Life

Sabine Felgenhauer-Schmiedt, with James Graham-Campbell

Political and Economic Foundations. Vessels and Life-Styles: Ceramics for table and kitchen; Glass vessels; Metal vessels; Wooden artefacts. Clothing and Jewellery. Horse and Rider. Tools. Private Space. Reading and Writing. Gaming. Summary. Bibliography.

Box 8.1: Green-and-Brown Decorated Pottery in al-Andalus, *Pilar Lafuente* 240

Box 8.2: Wooden Artefacts, *Jon Hather* 246

Box 8.3: Women's Costume in South-Western Finland
from Grave-Goods, *Jaana Riikonen* 250

261 CHAPTER 9

Travel and Transport

Jan Bill and Else Roesdahl

Introduction. Travel, Transport and Society. Land Transport: Roads, fords and bridges; Riding, driving, carrying, walking – and animals; Winter transport. Sea and River Transport: Organisation and routes in the Mediterranean area; Mediterranean shipbuilding traditions; Performance and transport capacity; Mediterranean harbours; Organisation and routes in Northern Europe; Northern shipbuilding traditions; Performance and transport capacity of North European ships; Harbours in Northern Europe. Bibliography.

Box 9.1: Bridges, *Else Roesdahl* 268

Box 9.2: The Gokstad Ship, *Arne Emil Christensen* 280

289 CHAPTER 10

Trade and Exchange

Paul Arthur and Søren M Sindbæk

Part 1: The Mediterranean Region, *Paul Arthur* 289

Introduction. Ceramics. Shipwrecks. Coinage. Collapse and Revival. The Arabs. Markets and Trading-Sites. Fairs. Gift-Exchange and Holy Relics. Trade-Goods. Development and Change. Bibliography.

Part 2: Northern Europe, *Søren M Sindbæk* 302

The Emporia Network. The Urban Revival. Places, Networks and Organisation. Trade-Goods. Bibliography.

Box 10.1: Commercial Amphorae, *Paul Arthur* 291

Box 10.2: Stone-Trade, *Søren M Sindbæk* 310

Fortifications

Johnny De Meulemeester and Kieran O'Conor

Introduction. Communal Fortifications: Refuge-sites. Early State Fortifications: Garrisoned fortresses; Linear fortifications and territorial defences; Proto-urban and urban fortifications; Other communal or early state fortifications. Private Fortifications: Castles; Motte castles and ring-work castles; Masonry castles. Palaces, Carolingian Villas, Strongholds and Defended Farmsteads: Palaces and Carolingian villas; Strongholds and defended farmsteads. Conclusions. Bibliography.

Box 11.1: Hen Domen, *Wales, Robert Higham* 328

Box 11.2: Slavic Strongholds, *Jan Klápště* 336

342 CHAPTER 12

The Display of Secular Power

James Graham-Campbell and Matthias Untermann

Part 1: Palaces, *Matthias Untermann* 342

Introduction. Merovingian and Carolingian Palaces. Some other European Palaces. Later Palaces and High-Status Architecture.

Part 2: Elite Activities and Symbols of Power, *James Graham-Campbell* 350

Elite Activities: Hunting; Feasting; Sports, games and tournaments.

Symbols of Power: Regalia; Heraldry; Seals. Bibliography.

Box 12.1: Secular Power in the Landscape, *Andrew Reynolds* 352

Box 12.2: Crowned Heads, *James Graham-Campbell* 360

366 CHAPTER 13

Religions

Leszek Stupecki and Magdalena Valor

Part 1: Pagan Religion in North, East and Central Europe, and Conversion to Christianity, *Leszek Stupecki* 366

Introduction. Pagan Beliefs: Mythologies; Rituals. Pagan Sanctuaries and 'Central-Places'. Conversion.

Part 2: Christians, Muslims and Jews, *Magdalena Valor* 380

Introduction. Church Organisation: The pre-Carolingian period (700-751); From the Carolingian period to Pope Gregory VII's reform (751-1075); The Church from 1075 until 1200. Monasticism. Pilgrimage. Christian Artefacts. Islam in the Western Mediterranean Area. The Jewish Religion. Bibliography.

Box 13.1: Gross Raden, Germany, *Leszek Stupecki* 376

Box 13.2: Pilgrims, *José Avelino Gutiérrez* 386

398 CHAPTER 14

Religious Buildings

Tadhg O'Keeffe, with Matthias Untermann

Introduction. From Roman to Romanesque: Rome reborn? Churches of the Carolingian renaissance; A transitional era? The later tenth century; Romanesque; The end of Romanesque. Categories of Christian Architecture: Monasteries and monastic planning. Rebuildings. The Evidence of Excavation. Issues for the Future. Bibliography.

Box 14.1: The Almohad Friday Mosque of Seville, *Magdalena Valor* 400

Box 14.2: Danish Romanesque Churches: their Interior Arrangements and Fittings, *Hans Krongaard Kristensen* 406

420 CHAPTER 15

Life, Death and Memory

Thomas Meier, with James Graham-Campbell

Life and Disease: Life-expectancy and paleo-demography; Disease. Medical Care. Death and Burial: *Rites de passage*; Places of burial; Grave-markers and memorials; Types of burial; Grave-goods. Memory. Bibliography.

Box 15.1: Putting the People in the Picture: What Physical Anthropology can do for Archaeology, *Niels Lynnerup* 428

Box 15.2: Enacting Resurrection: the Religious Topography of Church Burial, *Thomas Meier* 436

Box 15.3: Charlemagne and the Epitaph of Pope Hadrian I, *Joanna Story* 444

450 Afterword

James Graham-Campbell

453 Index of Authors

455 Index: General

James Graham-Campbell

465 Index: Peoples and Places

Mette Sørensen