# CONTENTS

**Table of Contents**

- **Contributors**
  - Martin Malvy, *Préface*  
  - Jean Leclant, *Allocution d’accueil*
  - Béatrix Midant-Reynes & Yann Tristant, *Introduction*

**Craft and Craft Specialisation**

- E. Christiana Köhler, *Craft and craft specialisation. Introduction*  
- Masahiro Baba, *Pottery-making tools: Worked sherds from HK11C Square B4, Hierakonpolis*
- François Briois & Béatrix Midant-Reynes, *Lithic industries from Adaima. Between farmers and craftsmen*
- Krzysztof Cichowski, *The brewery complex from Tell el-Farkha. Archaeological aspects of the discovery*
- Stan Hendrickx, *Rough ware as an element of symbolism and craft specialisation at Hierakonpolis’ elite cemetery HK6*
- Christiane Hochstrasser-Petit, *Artefacts made of vegetal fibres from Adaima, Upper Egypt*
- Jana Jones, *Pre- and Early Dynastic textiles: technology, specialisation and administration during the process of state formation*
- Mariusz A. Jucha, *The corpus of “potmarks” from the graves at Tell el-Farkha*
- Jane C. Smythe, *New results from a second storage tomb at Helwan. Implications for the Naqada III period in the memphite region*
VI CONTENTS

187

Izumi H. Takamiya. Firing installations and specialization: A view from recent excavations at Hierakonpolis Locality IIIC.

197


237

Edwin C.M. Van Den Brink. Potmark-Egypt.com

PHYSICAL ANTHROPOLOGY

243

Jerome C. Rose & Éric Crubézy. Physical anthropology. Introduction

249

Ernest K. Batey. Paleodemography in Predynastic Upper Egypt: investigations of the working-class cemetery at Hierakonpolis

265

Clotilde Coudray, Evelyne Guitard, Fahra El-Chennaoui & Jean-Michel Dugoujon. Study of GM immunoglobulin allotypes in Egyptian Berbers (Siwa Oasis)

275

Isabelle Crevecoeur, Bruno Maureille & Philip Van Peer. First human occupations of the Nile valley: anthropological and cultural data

289

Éric Crubézy, Sylvie Duchesne & Béatrix Midant-Reynes. The predynastic cemetery at Adaima (Upper Egypt). General presentation and implications for the populations of Predynastic Egypt

311

Sean P. Dougherty & Renée F. Friedman. Sacred or mundane: scalp ing and decapitation at Predynastic Hierakonpolis

339

Aimee Huard. Reassessing age at death through tooth wear using the population at HK43

355

Melissa Zabeki. Work Levels of a Predynastic Egyptian Population from Hierakonpolis

371

Sonia R. Zakrzewski. Assessing the potential for dietary reconstruction from skeletal and isotopic data

GEOARCHAEOLOGY AND ENVIRONMENTAL SCIENCES

387

Morgan De Dapper. Geoarchaeology and environmental sciences. Introduction
Aline EMERY-BARBIER. *Contribution of palynology and phytolithology to the study of Adaima’s graves.* 391

Ahmed Gamal-El-Din FAHMY. *Analysis of mummies’ gut contents from Predynastic Hierakonpolis, Egypt (3750-3300 BC)* 419

Lucy KUBIAK-MARTENS & Jerzy J. LANGER. *Predynastic beer brewing as suggested by botanical and physicochemical evidence from Tell el-Farkha, Eastern Delta* 427

Giulio LUCARINI. *Harvesting techniques in the Late Neolithic and Predynastic Egypt — Contributions from experimental archaeology and ethnography* 443

Yann TRISTANT, Morgan De DAPPER & Béatrix MIDANT-REYNES. *Human occupation of the Nile Delta during Pre- and Early Dynastic Times. A view from Kom el-Khilgan.* 463

**INTERACTIONS BETWEEN UPPER AND LOWER EGYPT**

Ulrich HARTUNG. *Interactions between Upper and Lower Egypt.* Introduction 485

Marek CHLODNIKCI. *Trade and exchange in the Predynastic and Early Dynastic period in the Eastern Nile Delta* 489

Krzysztof M. CIAŁOWICZ. *The nature of the relation between Lower and Upper Egypt in the Protodynastic Period. A view from Tell el-Farkha* 501

E. Christiana KOHLER. *The interaction between and the roles of Upper and Lower Egypt in the formation of the Egyptian state. Another review* 515

Alice STEVENSON. *Ethnicity and migration? The cemetery of el-Gerzeh* 545

**INTERACTIONS BETWEEN THE DESERT AND THE NILE VALLEY**

Heiko RIEMER. *Interactions between the desert and the Nile valley.* Introduction 565

Barbara E. BARICH & Giulio LUCARINI. *The Nile Valley seen from the oases. The contribution of Farafra* 569
FOREIGN RELATIONS

Edwin C.M. van den Brink & Eliot Braun. Foreign relations. Introduction... 637

Eliot Braun & Edwin C.M. van den Brink. Appraising South Levantine-Egyptian interaction: recent discoveries from Israel and Egypt... 643

Marcelo Campagno. Ethnicity and changing relationships between Egyptians and South Levantines during the Early Dynastic Period... 689

Frédéric Guyot. The origins of the “Naqadan Expansion” and the interregional exchange mechanisms between Lower Nubia, Upper and Lower Egypt, the South Levant and North Syria during the first half of the 4th millennium B.C. 707

Jaimie L. Lovell. Horticulture, status and long-range trade in Chalcolithic Southern Levant: early connections with Egypt... 741

Agnieszka Maćzyńska. Some remarks on Egyptian-Southern Levantine interrelations in the first half of 4th Millennium BC. 763

Uwe Sievertsen. Niched architecture in Early Mesopotamia and Early Egypt... 783

Yuval Yekutiel. Symbols in action — The Megiddo graffiti reassessed... 807

BIRTH OF WRITING AND KINGSHP

John Baines. Birth of writing and kingship. Introduction... 841

Alain Anselin. Signes et mots des nombres en égyptien ancien. Quelques éléments d’analyse et de réflexion... 851

Josep Cerverló-Autuori. The thinite “royal lists”: typology and meaning... 887
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liam McNamara</td>
<td>The revetted mound at Hierakonpolis and early kingship: a re-interpretation</td>
<td>901</td>
</tr>
<tr>
<td>Ludwig Morenz</td>
<td>Fest-Schreibungen von Gender im Herausbildungsprozeß der Hieroglyphenschrift</td>
<td>937</td>
</tr>
<tr>
<td>Isabelle Rügen</td>
<td>Tomb and mat. Paleographical and archeological approach of a burial practice through the case of the word js</td>
<td>975</td>
</tr>
<tr>
<td>Ilona Regulski</td>
<td>The origin of writing in relation to the emergence of the Egyptian state</td>
<td>985</td>
</tr>
<tr>
<td>Racheli Shalomi-Hen</td>
<td>Kings as gods in the Early Egyptian writing system</td>
<td>1011</td>
</tr>
<tr>
<td>David Wengrow</td>
<td>Limits of decipherment: object biographies and the invention of writing</td>
<td>1021</td>
</tr>
</tbody>
</table>

**CULT, IDEOLOGY AND SOCIAL COMPLEXITY**

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Krzysztof M. Ciałowicz</td>
<td>Cult, ideology and social complexity. Introduction</td>
<td>1035</td>
</tr>
<tr>
<td>Branislav Andelko vić</td>
<td>Parameters of statehood in Predynastic Egypt</td>
<td>1039</td>
</tr>
<tr>
<td>Nathalie Baduel</td>
<td>Tegumentary paint and cosmetic palettes in Predynastic Egypt. Impact of those artefacts on the birth of the monarchy</td>
<td>1057</td>
</tr>
<tr>
<td>Laurel Bestock</td>
<td>The evolution of royal ideology: new discoveries from the reign of Aha</td>
<td>1091</td>
</tr>
<tr>
<td>Joanna Debowska</td>
<td>Burial custom and political status of local societies. A view from Tell el-Farkha</td>
<td>1107</td>
</tr>
<tr>
<td>Alejandro Jiménez Serrano</td>
<td>The origin of the state and the unification: two different concepts in the same context</td>
<td>1119</td>
</tr>
<tr>
<td>Antonio Pérez Largacha</td>
<td>The Egyptian desert and the origin of pharaonic conception</td>
<td>1139</td>
</tr>
</tbody>
</table>

**EXCAVATIONS AND MUSEUMS**

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salem G. El-Baghdadi</td>
<td>The Protodynastic and Early Dynastic necropolis of Tell el-Daba’a (El-Qanan) and Tell El-Samara (El-Dakahlia province, Northeast Delta)</td>
<td>1151</td>
</tr>
</tbody>
</table>
X

CONTENTS

Renée F. FRIEDMAN. Excavating Egypt’s early kings: Recent discoveries in the elite cemetery at Hierakonpolis . . . . . 1157

Ulrich HARTUNG. Recent investigations at Tell el-Fara’in/Buto . . 1195

Piotr KOŁODZIEJCZYK. Architectonic constructions from the Western Kom at Tell el-Farkha (Nile Delta). Some remarks . . . . 1221

Christine LORRE. La collection préhistorique égyptienne du musée d’Archéologie nationale, Saint-Germain-en-Laye, France . . 1231