



THE
ETRUSCAN
WORLD

EDITED BY JEAN MACINTOSH TURFA

THE ETRUSCAN WORLD



The Etruscans can be shown to have made significant, and in some cases perhaps the first, technical advances in the central and northern Mediterranean. To the Etruscan people we can attribute such developments as the tie-beam truss in large wooden structures, surveying and engineering drainage and water tunnels, the development of the foresail for fast long-distance sailing vessels, fine techniques of metal production and other pyrotechnology, post-mortem C-sections in medicine, and more. In art, many technical and iconographic developments, although they certainly happened first in Greece or the Near East, are first seen in extant Etruscan works, preserved in the lavish tombs and goods of Etruscan aristocrats. These include early portraiture, the first full-length painted portrait, the first perspective view of a human figure in monumental art, specialized techniques of bronze-casting, and reduction-fired pottery (the *bucchero* phenomenon). Etruscan contacts, through trade, treaty and intermarriage, linked their culture with Sardinia, Corsica and Sicily, with the Italic tribes of the peninsula, and with the Near Eastern kingdoms, Greece and the Greek colonial world, Iberia, Gaul and the Punic network of North Africa, and influenced the cultures of northern Europe.

In the past fifteen years striking advances have been made in scholarship and research techniques for Etruscan Studies. Archaeological and scientific discoveries have changed our picture of the Etruscans and furnished us with new, specialized information. Thanks to the work of dozens of international scholars, it is now possible to discuss topics of interest that could never before be researched, such as Etruscan mining and metallurgy, textile production, foods and agriculture. In this volume, over 60 experts provide insights into all these aspects of Etruscan culture, and more, with many contributions available in English for the first time to allow the reader access to research that may not otherwise be available to them. Lavishly illustrated, *The Etruscan World* brings to life the culture and material past of the Etruscans and highlights key points of development in research, making it essential reading for researchers, academics and students of this fascinating civilization.

Jean MacIntosh Turfa is a Research Associate and occasional Lecturer in the Mediterranean Section of the University of Pennsylvania Museum and an adjunct professor in Classics at St. Joseph's University, Philadelphia. She has taught at the University of Liverpool, University of Illinois, Chicago, and Loyola University of Chicago, Drexel University, Dickinson and Bryn Mawr Colleges, St. Joseph's University and the University of Pennsylvania. She is a Member of the Istituto di Studi Etruschi e Italici.

THE ROUTLEDGE WORLDS

THE REFORMATION WORLD

Edited by Andrew Pettegree

THE MEDIEVAL WORLD

Edited by Peter Linehan, Janet L. Nelson

THE BYZANTINE WORLD

Edited by Paul Stephenson

THE VIKING WORLD

Edited by Stefan Brink in collaboration with Neil Price

THE BABYLONIAN WORLD

Edited by Gwendolyn Leick

THE EGYPTIAN WORLD

Edited by Toby Wilkinson

THE ISLAMIC WORLD

Edited by Andrew Rippin

THE WORLD OF POMPEI

Edited by Pedar W. Foss and John J. Dobbins

THE RENAISSANCE WORLD

Edited by John Jeffries Martin

THE EARLY CHRISTIAN WORLD

Edited by Philip F. Esler

THE GREEK WORLD

Edited by Anton Powell

THE ROMAN WORLD

Edited by John Wacher

THE HINDU WORLD

Edited by Sushil Mittal and Gene Thursby

THE WORLD OF THE AMERICAN WEST

Edited by Gordon Morris Bakken

THE ELIZABETHAN WORLD

Edited by Susan Doran and Norman Jones

THE OTTOMAN WORLD

Edited by Christine Woodhead

THE VICTORIAN WORLD

Edited by Marin Hewitt

THE ORTHODOX CHRISTIAN WORLD

Edited by Augustine Casiday

THE SUMERIAN WORLD

Edited by Harriet Crawford

Forthcoming:

THE FIN DE SIÈCLE WORLD

Edited by Michael Saler

THE ETRUSCAN WORLD



Edited by
Jean MacIntosh Turfa

 **Routledge**
Taylor & Francis Group
LONDON AND NEW YORK

First published 2013
by Routledge
2 Park Square, Milton Park, Abingdon, Oxon OX14 4RN

Simultaneously published in the USA and Canada
by Routledge
711 Third Avenue, New York, NY 10017

Routledge is an imprint of the Taylor & Francis Group, an informa business

© 2013 Jean MacIntosh Turfa for selection and editorial matter; individual contributions, the contributors.

The right of Jean MacIntosh Turfa to be identified as the author of the editorial material, and of the authors for their individual chapters, has been asserted in accordance with sections 77 and 78 of the Copyright, Designs and Patents Act 1988.

All rights reserved. No part of this book may be reprinted or reproduced or utilized in any form or by any electronic, mechanical, or other means, now known or hereafter invented, including photocopying and recording, or in any information storage or retrieval system, without permission in writing from the publishers.

Trademark notice: Product or corporate names may be trademarks or registered trademarks, and are used only for identification and explanation without intent to infringe.

British Library Cataloguing in Publication Data
A catalogue record for this book is available from the British Library

Library of Congress Cataloging in Publication Data
A catalog record for this book has been requested

ISBN: 978-0-415-67308-2 (hbk)
ISBN: 978-0-203-52696-5 (ebk)

Typeset in Garamond 3
by Saxon Graphics Ltd, Derby

CONTENTS



| | |
|---|------|
| <i>List of illustrations</i> | x |
| <i>List of contributors</i> | xxix |
| <i>Preface</i> Jean MacIntosh Turfa | xliv |
| <i>Maps</i> | xlvi |
| Introduction: time to give the Etruscans their due <i>Jean MacIntosh Turfa</i> | i |

PART I: ENVIRONMENT, BACKGROUND AND THE STUDY OF ETRUSCAN CULTURE

| | |
|--|----|
| 1 Etruscan environments <i>Ingele M. B. Wiman</i> | 11 |
| 2 Massimo Pallottino's "Origins" in perspective <i>Giovanna Bagnasco Gianni</i> | 29 |
| 3 Etruscan origins and the ancient authors <i>Dominique Briquel</i> | 36 |
| 4 Fleshing out the demography of Etruria <i>Geof Kron</i> | 56 |

PART II: THE HISTORICAL DEVELOPMENT OF ETRURIA

- 5 The Villanovan culture: at the beginning of Etruscan history 79
Gilda Bartoloni
- 6 Orientalizing Etruria 99
Maurizio Sannibale
- 7 Urbanization in southern Etruria from the tenth to the sixth century BC:
the origins and growth of major centers 134
Robert Leighton
- 8 A long twilight: “Romanization” of Etruria 151
Vincent Jolivet
- 9 The last Etruscans: family tombs in northern Etruria 180
Marjatta Nielsen

PART III: ETRUSCANS AND THEIR NEIGHBORS

- 10 The western Mediterranean before the Etruscans 197
Fulvia Lo Schiavo
- 11 The Nuragic heritage in Etruria 216
Fulvia Lo Schiavo and Matteo Milletti
- 12 Phoenician and Punic Sardinia and the Etruscans 231
Rubens D’Oriano and Antonio Sanciu
- 13 Etruria and Corsica 244
Matteo Milletti
- 14 The Faliscans and the Etruscans 259
Maria Anna De Lucia Brolli and Jacopo Tabolli
- 15 Etruria on the Po and the Adriatic 281
Giuseppe Sassatelli and Elisabetta Govi
- 16 Etruscans in Campania 301
Mariassunta Cuzzo
- 17 Etruria Marittima, Carthage and Iberia, Massalia, Gaul 319
Jean Gran-Aymerich

PART IV: ETRUSCAN SOCIETY AND ECONOMY

- 18 Political systems and law 351
Hilary Wills Becker
- 19 Economy and commerce through material evidence: Etruscan goods in the
Mediterranean world and beyond 373
Jean Gran-Aymerich with Jean MacIntosh Turfa
- 20 Mothers and children 426
Larissa Bonfante

| | | |
|----|--|-----|
| 21 | Slavery and manumission <i>Enrico Benelli</i> | 447 |
| 22 | The Etruscan language <i>Luciano Agostiniani</i> | 457 |
| 23 | Numbers and reckoning: A whole civilization founded upon divisions <i>Daniele Maras</i> | 478 |

PART V: RELIGION IN ETRURIA

| | | |
|----|---|-----|
| 24 | Greek myth in Etruscan culture <i>Erika Simon</i> | 495 |
| 25 | Gods and demons in the Etruscan pantheon <i>Ingrid Krauskopf</i> | 513 |
| 26 | Haruspicy and Augury: Sources and procedures <i>Nancy T. de Grummond</i> | 539 |
| 27 | Religion: the gods and the places <i>Ingrid Edlund-Berry</i> | 557 |
| 28 | Archaeological evidence for Etruscan religious rituals <i>Simona Rafanelli</i> | 566 |
| 29 | Tarquinia, sacred areas and sanctuaries on the Civita plateau and on the coast: “monumental complex” <i>Ara della Regina, Gravisca and Giovanna Bagnasco Gianni</i> | 594 |
| 30 | The sanctuary of Pyrgi <i>Maria Paola Baglione</i> | 613 |
| 31 | Orvieto, Campo della Fiera – <i>Fanum Voltumnae</i> <i>Simonetta Stoppioni</i> | 632 |
| 32 | Worshiping with the dead: new approaches to Etruscan necropoleis <i>Stephan Steingrüber</i> | 655 |
| 33 | The imagery of tomb objects (foreign and imported) and its funerary relevance <i>Tom B. Rasmussen</i> | 672 |

PART VI: SPECIAL ASPECTS OF ETRUSCAN CULTURE

| | | |
|----|--|-----|
| 34 | The science of the Etruscans <i>Armando Cberici</i> | 683 |
| 35 | The architectural heritage of Etruria <i>Ingrid Edlund-Berry</i> | 695 |
| 36 | Etruscan Town Planning and Related Structures <i>Claudio Bizzarri</i> | 708 |
| 37 | Villanovan and Etruscan Mining and Metallurgy <i>Claudio Giardino</i> | 721 |

| | | |
|----|--|-----|
| 38 | Technology, ideology, warfare and the Etruscans before the Roman conquest <i>David George</i> | 738 |
| 39 | The art of the Etruscan armourer <i>Ross H. Cowan</i> | 747 |
| 40 | Seafaring: shipbuilding, harbors, the issue of piracy <i>Stefano Bruni</i> | 759 |
| 41 | Princely chariots and carts <i>Adriana Emiliozzi</i> | 778 |
| 42 | The world of Etruscan textiles <i>Margarita Gleba</i> | 798 |
| 43 | Food and drink in the Etruscan world <i>Lisa C. Pieraccini</i> | 812 |
| 44 | The banquet through Etruscan history <i>Annette Rathje</i> | 823 |
| 45 | Etruscan spectacles: Theater and sport <i>Jean-Paul Thuillier</i> | 831 |
| 46 | Music and musical instruments in Etruria <i>Fredrik Tobin</i> | 841 |
| 47 | Health and medicine in Etruria <i>Jean MacIntosh Turfa, with Marshall J. Becker</i> | 855 |

PART VII: ETRUSCAN SPECIALTIES IN ART

| | | |
|----|--|------|
| 48 | Foreign artists in Etruria <i>Giovannangelo Camporeale</i> | 885 |
| 49 | The phenomenon of terracotta: architectural terracottas <i>Nancy Winter</i> | 903 |
| 50 | Jewelry <i>Françoise Gaultier</i> | 914 |
| 51 | Engraved Gems <i>Ulf R. Hansson</i> | 928 |
| 52 | The Etruscan painted pottery <i>Laura Ambrosini</i> | 943 |
| 53 | The meanings of Bucchero <i>Richard Daniel De Puma</i> | 974 |
| 54 | Etruscan terracotta figurines <i>Helen Nagy</i> | 993 |
| 55 | Portraiture <i>Alexandra Carpino</i> | 1007 |
| 56 | Landscape and illusionism: qualities of Etruscan wall paintings <i>Helen Nagy</i> | 1017 |

| | | |
|----|--|------|
| 57 | The bronze votive tradition in Etruria <i>Margherita Gilda Scarpellini</i> | 1026 |
| 58 | Mirrors in art and society <i>Richard Daniel De Puma</i> | 1041 |
| 59 | Science as art: Etruscan anatomical votives <i>Matthias Recke</i> | 1068 |
| 60 | Animals in the Etruscan household and environment <i>Adrian P. Harrison</i> | 1086 |

**PART VIII: POST-ANTIQUÉ RECEPTION OF
ETRUSCAN CULTURE**

| | | |
|----|---|------|
| 61 | Annius of Viterbo <i>Ingrid Rowland</i> | 1117 |
| 62 | The reception of Etruscan culture: Dempster and Buonarroti <i>Francesco De Angelis</i> | 1130 |
| 63 | Modern approaches to Etruscan culture <i>Marie-Laurence Haack</i> | 1136 |
| | <i>Index</i> | 1147 |

ILLUSTRATIONS



| | | |
|------|---|-----|
| 1.1 | A bull of the Maremman <i>Bos Taurus</i> . | 14 |
| 1.2 | Mirror: the Vipenas brothers ambushing Cacu and the boy Artile. | 23 |
| 2.1 | Cover page of Pallottino's book on the origins of the Etruscans. | 31 |
| 2.2 | Pallottino's genealogical scheme of the provenance of the Etruscans according to literary sources. | 32 |
| 2.3 | Pallottino's sequence of the ancient cultures of the Italian Peninsula. | 33 |
| 5.1 | Schematic reconstruction of the birth of a proto-urban center. | 82 |
| 5.2 | Diffusion of the Villanovan culture. | 82 |
| 5.3 | Tomb of an adult man, Veii, Piazza d'Armi. | 84 |
| 5.4 | Finds from tombs at Veii, Quattro Fontanili. | 85 |
| 5.5 | Hut urn from Veii, Quattro Fontanili. | 85 |
| 5.6 | Grave group from Tarquinia. | 86 |
| 5.7 | Chamber tomb at Populonia: tomb of <i>rasoio lunato</i> . | 87 |
| 5.8 | Grave group from Tarquinia. | 87 |
| 5.9 | Etruscan material imported into Sardinia and Sardinian goods found in Etruria. | 89 |
| 5.10 | Enotrian juglet from Vulci. | 90 |
| 5.11 | Diffusion of Greek geometric cups in Italy. | 92 |
| 5.12 | Tomb AAI of the Veian necropolis of Quattro Fontani. | 93 |
| 5.13 | Tomb 1036 of the Veian necropolis of Casal del Fosso. | 94 |
| 5.14 | Tomb 871 of the Veian necropolis of Casal del Fosso: crested helmet. | 94 |
| 5.15 | Hut at Populonia. | 95 |
| 5.16 | Reconstruction of the banquet hall in the regia identified on the northern slope of the Palatine. | 96 |
| 6.1 | Bottle-vase (so-called inkwell) in bucchero with syllabary incised on body and model alphabet on ring-base. | 101 |
| 6.2 | Cauldron in bronze decorated in repoussé and with lion protomes. | 101 |
| 6.3 | Ribbed bowl in bronze. Cerveteri, Regolini-Galassi Tomb. 675–650 BC. | 101 |
| 6.4 | Grater in bronze. Provenance unknown. Seventh century BC. | 102 |
| 6.5 | Tripod-bowl, ceramic. Ceremonial vase of Phoenician type after Assyrian prototypes. From Vulci, formerly Raccolta Giacinto Guglielmi. 625–600 BC. | 102 |

| | | |
|------|--|-----|
| 6.6 | Fan in bronze. From Populonia, Tomba dei Flabelli. 675–625 BC. | 103 |
| 6.7 | Phoenician bowl. Processions of warriors and sacred nursing scene (cow and calf). | 103 |
| 6.8 | Hemispherical, double-walled cup of Phoenician manufacture. | 103 |
| 6.9 | Tarquinius. Fibula in gold decorated in granulation and filigree. | 108 |
| 6.10 | Gold appliqué plaque: rosette. Cerveteri, Regolini-Galassi Tomb. | 109 |
| 6.11 | Pectoral in beaten gold. Cerveteri, Regolini-Galassi Tomb. | 109 |
| 6.12 | Situla in silver ajourée, originally over a wooden body. Cerveteri, Regolini-Galassi Tomb. | 110 |
| 6.13 | Fibula in gold, with looped double spiral pendant on cross-piece. Vulci, Ponte Sodo. 675–650 BC. | 111 |
| 6.14 | Pendants from tomb 45 at Aššur, end fourteenth–thirteenth century BC, with motif of “cup-spirals.” | 111 |
| 6.15 | Gold appliqué plaque: Hathor-head between “cup-spirals.” | 112 |
| 6.16 | Bracelet in gold decorated in repoussé and granulation. | 112 |
| 6.17 | Cult-trolley in bronze. Cerveteri, Regolini-Galassi Tomb. | 113 |
| 6.18 | Egyptian amulet with zigzag motif in linear granulation. 1900–1800 BC. | 114 |
| 6.19 | Ornamental fibula in gold. Cerveteri, Regolini-Galassi Tomb. | 114 |
| 6.20 | Seated female figure in ceramic from the Tomb of the Five Chairs, Cerveteri. 650–600 BC. | 116 |
| 6.21 | Seated figures of ancestors in basalt from the Royal Tomb of Qatna, during excavation and after restoration. | 117 |
| 6.22 | Monumental access stair to the altar-platform of the Melone del Sodo II at Cortona. | 118 |
| 6.23 | Statuette of nude woman in ivory. Marsiliana d’Albegna, Circolo della Fibula, tomb XLI. 675–650 BC. | 119 |
| 6.24 | Tarquinius, Tumulo della Regina: view of external ceremonial area with staircase; on the walls painted plaster. | 119 |
| 6.25 | “Main tombs at Tarquinia necropolis.” | 120 |
| 6.26 | Cinerary urn in form of a house. Cerveteri, Monte Abatone necropolis, tomb 426. 650 BC. | 121 |
| 6.27 | <i>Tomba a casa</i> with portico. Tuscania, Pian di Mola. 575–550 BC. | 122 |
| 6.28 | Krater of the “Bicenzo Group” decorated with geometric motifs and metopes with stylized birds. | 122 |
| 6.29 | Veio, Tomba dei Leoni Ruggenti. Circa 690 BC. | 123 |
| 6.30 | Cerveteri, Tomba dei Leoni Dipinti. 670–650 BC. | 123 |
| 6.31 | “Weeping” statuette in bucchero. Cerveteri, Regolini-Galassi Tomb. | 124 |
| 6.32 | Calabresi Vase: charioteer driving a pair of horses. Bucchero. Cerveteri, Tomba Calabresi. C. 660–650 BC. | 124 |
| 6.33 | Set of vases in silver. Cerveteri, Regolini-Galassi Tomb. | 125 |
| 6.34 | Fibula <i>a drago</i> in gold with dedicatory inscription in granulation. | 125 |
| 6.35 | Situla of <i>Plikašna</i> . Gilded silver. From Chiusi. Circa 650 BC. | 126 |
| 6.36 | Olpe in bucchero, decorated with relief of Jason, Medea, the Argonauts and Daedalus. From Cerveteri, Tumulus of San Paolo, tomb 2, 630 BC. | 126 |
| 6.37 | Veii, Monte Michele, Tomba Campana. Watercolor. The grave goods on the floor do not belong to this tomb. C. 600 BC. | 127 |
| 6.38 | Bronze figurine of draped female votary with <i>kyathos</i> . Provenance unknown. 625–600 BC. | 127 |
| 7.1 | Southern Etruria, topography with major and minor Early Iron Age sites. | 135 |

| | | |
|------|---|-----|
| 7.2 | Tarquinia, topography and archaeological features (with survey data from Mandolesi 1999). | 137 |
| 7.3 | Veii, topography and archaeological features (with survey data from Patterson 2004). | 139 |
| 8.1 | Found in the votive deposit of the Campetti sanctuary at Veii, this terracotta represents Aeneas carrying Anchises, which shows, in the fourth century BC, that the ideological association between the conquest of the city and that of Troy were still familiar to the residents of the area. | 152 |
| 8.2 | The recent excavations of Cerveteri have revealed the presence of a public, subterranean complex that was decorated with paintings and dated by the mention of the Roman praetor of Caere, C. Genucius Clepsina, consul in 276 and 270. | 152 |
| 8.3 | Plate made at Falerii, datable around the middle of the fourth century BC. | 153 |
| 8.4 | The stronghold of Musarna. | 154 |
| 8.5 | The inscriptions found in the vicinity of the forum of Tarquinia. | 155 |
| 8.6 | The François Tomb of Vulci. | 155 |
| 8.7 | The bath building constructed at Musarna around the end of the second century BC. | 158 |
| 8.8 | Bilingual inscription found at Pesaro and dated to the second half of the first century BC. | 158 |
| 8.9 | Kalyx krater in <i>ceramica argentata</i> (“silvered ceramic”) from Bolsena, first half of the third century BC. | 159 |
| 8.10 | The hypogeum of the Velimna, probably of the last third of the third century BC. | 159 |
| 8.11 | Figure of a <i>haruspex</i> depicted on a <i>terra sigillata</i> vase. | 160 |
| 8.12 | The Perugia cippus and the Cortona Tablet. | 161 |
| 8.13 | Tomba Bruschi, dated from the end of the fourth century or the beginning of the next century. | 161 |
| 8.14 | Construction of the great <i>villae</i> on land confiscated from conquered cities. | 162 |
| 8.15 | The extraordinary Dionysiac throne in terracotta of the beginning of the second century BC. | 163 |
| 8.16 | Etruscan sarcophagi accompanied by the authority of a long written text relating the <i>cursus honorum</i> of the deceased. | 164 |
| 8.17 | Anatomical ex-votos in terracotta offered to different gods by members of the popular classes, both Etruscan and Roman. | 165 |
| 8.18 | Inscribed cippi. | 165 |
| 8.19 | The travertino urns of Stroz Zacapponi. | 166 |
| 8.20 | Ex-votos in bronze produced at Volterra in second half of the third century BC, known by the name of “ <i>Ombra della sera</i> ” (“Shadow of the Night”). | 167 |
| 8.21 | Vulcian mirror of the last quarter of the fourth century BC. | 167 |
| 8.22 | Wedding basket found at Palestrina. | 168 |
| 8.23 | Statue of the Orator found near Perugia, dated to the end of the second century BC or the beginning of the next century. | 168 |
| 8.24 | The “Corsini throne”. | 169 |
| 8.25 | Base discovered near the theatre of Caere. | 170 |
| 9.1 | The Tomb of the Velimna/Volumnius family, Perugia. Late third century BC. | 182 |
| 9.2 | The Inghirami Tomb, from Volterra. | 184 |

| | | |
|-------|--|-----|
| 9.3 | The Inghirami Tomb: a male figure reworked into a female one. | 185 |
| 9.4 | The Inghirami Tomb: a female lid figure. | 186 |
| 9.5 | The Inghirami Tomb: a male lid figure. | 187 |
| 9.6 | The Inghirami Tomb: a fragmentary chest. | 187 |
| 9.7 | A couple being transported in a <i>carpentum</i> . | 189 |
| 9.8 | Female lid figure with the neck-tail coiffure of the Tiberian-Claudian period. | 190 |
| 9.9 | Livia's portrait head, from the Roman theatre at Vallebuona, Volterra. | 190 |
| 10.1 | Distribution map of the sites that are mentioned in this paper. | 197 |
| 10.2 | Chronological table of the Bronze Age and beginning of the Iron Age. | 199 |
| 10.3 | The <i>nuraghe</i> Arrubiu, Orroli (Nuoro). | 200 |
| 10.4 | Mycenaean materials found in Sardinia. | 200 |
| 10.5 | Bronze figurine from <i>nuraghe</i> Cabu Abbas, Olbia (Sassari) and Nuragic necked jar. | 202 |
| 10.6 | Distribution map of the oxhide ingots in the Mediterranean. | 203 |
| 10.7 | Funtana Coberta of Ballao (Cagliari) hoard: the container and the oxhide ingots. | 204 |
| 10.8 | Evidence of close contacts between Cyprus and Sardinia in the Late Bronze Age. | 205 |
| 10.9 | The biggest (38 cm) Nuragic bronze figurine of a warrior in Pigorini Museum, Rome. | 206 |
| 10.10 | Western " <i>Pistilliform</i> " sword and bronze figurine of the "Head of the Tribe" from Monti Arcosu, Uta (Cagliari) holding a sword of a similar shape on the shoulder. | 208 |
| 10.11 | Distribution map of the Iberian-type objects found in Sardinia. | 208 |
| 10.12 | Su Monte, Sorradile (Oristano) hoard. | 210 |
| 10.13 | Nuragic bronze boat from Pipizu, Orroli (Nuoro). | 211 |
| 11.1 | Map of Sardinia with the principal sites cited in the text. | 217 |
| 11.2 | Località Camposanto-Olmedo, bronzes (Lo Schiavo forthcoming 2). | 219 |
| 11.3 | Nuraghe Flumenelongu-Alghero, hoard (Lo Schiavo 1976). | 219 |
| 11.4 | Principal categories of Nuragic bronzes. | 220 |
| 11.5 | Nuragic daggers with short tangs from Sardinia. | 223 |
| 11.6 | Nuragic pendants in the shape of a "pilgrim flask" and quiver. | 224 |
| 11.7 | Nuragic buttons. | 225 |
| 11.8 | Vetulonia, grave goods from tomb 85/1897 of Poggio alla Guardia: Sardinian askoid jug, razor and armlet. | 225 |
| 11.9 | Vulci, "Tomb of the Sardinian Bronzes" from the Cavalupo necropolis: Nuragic bronzes (Bartoloni, Pitzalis 2011). | 226 |
| 11.10 | Populonia, hoard of Falda della Guardiola (photo Archivio SBAT). | 227 |
| 12.1 | The sea routes between Sardinia and Central Italy and the main Phoenician settlements on the Island. | 231 |
| 12.2 | The <i>nuraghe</i> Santu Antine of Torralba. | 232 |
| 12.3 | Mycenaean vase for perfume (alabaster) from <i>nuraghe</i> Arrubiu of Orroli (mid-fourteenth century BC). | 233 |
| 12.4 | Cypriot copper ox-hide ingot from Ozieri (thirteenth–eleventh century BC). | 234 |
| 12.5 | Bronze sword imported from Etruria from the <i>nuraghe</i> Attentu of Ploaghe (eleventh century BC). | 234 |
| 12.6 | Nuragic amphora imitating Phoenician amphorae from Nuragic village of Sant'Imbenia at Alghero (end of ninth century BC). | 234 |

| | | |
|-------|--|-----|
| 12.7 | Area of Phoenician settlements in the Western Mediterranean in the mid-eighth century BC. | 234 |
| 12.8 | Etruscan jug (olpe) for wine, probably from Tharros (early sixth century BC). | 236 |
| 12.9 | Greek amphora with erotic scene imported into Tharros from Etruria (560–550 BC). | 236 |
| 12.10 | Etruscan cup (kantharos) for drinking wine, from Tharros (early sixth century BC). | 237 |
| 12.11 | Etruscan container for scented ointments (aryballos), probably from Tharros (first half of sixth century BC). | 237 |
| 12.12 | Olbia between the spheres of Phoenician, Greek and Etruscan settlement around 630 BC. | 238 |
| 12.13 | Greek cup (kotyle) for drinking wine, from Greek Olbia (about 600 BC). | 238 |
| 12.14 | Small bronze lion from the Nuragic sanctuary of Nurdòle – Orani (end of the sixth century BC). | 239 |
| 12.15 | Etruscan wine amphora from the sea on the east coast of Sardinia (mid-fifth to mid-third century BC). | 240 |
| 12.16 | Genucilia plate from Olbia (end of fourth–beginning of third century BC). | 242 |
| 12.17 | Vase for oil (askos) from Olbia (end of fourth–beginning of third century BC). | 242 |
| 13.1 | Map of Corsica with principal sites discussed in this chapter. | 245 |
| 13.2 | Molds for bronze casting. | 247 |
| 13.3 | Fibulae <i>ad arco serpeggiante</i> (“with serpentine-bow”). | 248 |
| 13.4 | Peninsular axes: 1. Castifao-Corte; 2. <i>Maison Perragi</i> (Giardino 1995). | 248 |
| 13.5 | Cagnano, pendant of “ <i>plume</i> ” type (Museo Archeologico, Florence). | 252 |
| 13.6 | Fibulae of <i>Corsican</i> type. | 253 |
| 13.7 | Cagnano, fibula of Certosa type with tweezers. | 253 |
| 13.8 | Grotta Alessandro, beads of spirally twisted wire. | 254 |
| 14.1 | The area of the <i>Ager Faliscus</i> . | 259 |
| 14.2 | Map and aerial photo of <i>Falerii</i> (modern Civita Castellana). | 260 |
| 14.3 | Narce hill (from the south-east). | 261 |
| 14.4 | Bowl from Tomb 2 (XLVI), third necropolis of Pizzo Piede. | 261 |
| 14.5 | Map of <i>Falerii</i> drawn by Adolfo Cozza in 1889. | 262 |
| 14.6 | Map of Narce drawn by Adolfo Cozza in 1889. | 263 |
| 14.7 | Example of architectural terracottas from <i>Falerii</i> (via Gramsci). | 264 |
| 14.8 | Raniero Mengarelli’s excavations at Pizzo Piede, Narce, 1933. | 265 |
| 14.9 | Pre-Roman quarry at <i>Falerii</i> . | 265 |
| 14.10 | Sanctuary of Juno Curitis at Celle, <i>Falerii</i> . | 266 |
| 14.11 | “Krater of the Aurora,” <i>Falerii</i> . | 266 |
| 14.12 | Apollo from the Scasato temple site, <i>Falerii</i> . | 267 |
| 14.13 | <i>Falerii novi</i> . | 268 |
| 14.14 | La Petrina and I Tufi necropoleis of Narce. | 269 |
| 14.15 | Reconstruction of Faliscan female and male dress based on tombs A36 (XXVI) and A38 (XXIX) La Petrina necropolis. | 270 |
| 14.16 | Types of tombs peculiar to Narce (eighth century BC). | 271 |
| 14.17 | Location of late cremation burials in Narce. | 271 |
| 14.18 | Cremation in open tomb, Grotta Gramiccia necropolis, Veii (in Drago 1997). | 271 |
| 14.19 | Examples of architectural terracottas from Narce, Pizzo Piede. | 273 |

| | | |
|-------|---|-----|
| 14.20 | Sanctuary of Monte Li Santi-Le Rote, Narce. | 273 |
| 14.21 | Votive head from the sanctuary of Monte Li Santi-Le Rote, Narce. | 274 |
| 14.22 | View of Corchiano (from the east). | 275 |
| 14.23 | Types of tombs characteristic of Corchiano. | 276 |
| 15.1 | Map of <i>Etruria Padana</i> from ninth to eighth century BC. | 282 |
| 15.2 | Map of <i>Etruria Padana</i> from sixth to fourth century BC. | 283 |
| 15.3 | Map of Etruscan Bologna. | 284 |
| 15.4 | Bronze vessels from Benacci Caprara Tomb 39 of Bologna. | 285 |
| 15.5 | Biconical vase with stamped decoration from Bologna. | 286 |
| 15.6 | Malvasia Tortorelli Stele from Bologna. | 286 |
| 15.7 | <i>Cippi</i> from Rubiera (Reggio Emilia). | 287 |
| 15.8 | Herakles and Apollo from the acropolis of Villa Cassarini in Bologna. | 288 |
| 15.9 | Goods from the “Tomb of the Folding Stool” of Bologna. | 288 |
| 15.10 | Stele 168 from Bologna. | 289 |
| 15.11 | Stele from S. Michele in Bosco of Bologna. | 289 |
| 15.12 | Objects made of amber from the tombs of Verucchio. | 290 |
| 15.13 | Wooden throne from Verucchio. | 290 |
| 15.14 | Aerial view of the city of Marzabotto. | 291 |
| 15.15 | General plan of the city of Marzabotto. | 292 |
| 15.16 | Layout of the foundation ritual of the city of Marzabotto. | 292 |
| 15.17 | Reconstruction of House 1 of Regio IV-insula 2 of Marzabotto. | 293 |
| 15.18 | Photo and plan of the city temple of Marzabotto. | 293 |
| 15.19 | Acropolis of Marzabotto, altar D. | 294 |
| 15.20 | Palisade/embankment of Spina. | 295 |
| 15.21 | River pebble with inscription “ <i>mi tular</i> ” from Spina. | 296 |
| 15.22 | Attic vases from the funerary offerings at Spina. | 296 |
| 15.23 | Tomb at Monterenzio. | 298 |
| 16.1 | Campania from Iron Age to Archaic period: population distribution. | 301 |
| 16.2 | Pontecagnano. Princely Tombs. | 303 |
| 16.3 | Pontecagnano. | 305 |
| 16.4 | Pontecagnano. | 306 |
| 16.5 | Pontecagnano: necropolis and old settlement. | 307 |
| 16.6 | Capua. | 313 |
| 16.7 | The “Campanian system”. | 313 |
| 16.8 | Pontecagnano: Kantharos in bucchero. | 314 |
| 17.1 | Mediterranean, Europe and remote Etruscan finds. | 321 |
| 17.2 | Marseille, site of <i>Îlot rue Cathédrale</i> , fragments of cooking stand and foot of basin-brazier, complete profile of cookware vase (<i>olletta d’impasto</i>). | 322 |
| 17.3 | Marseille, site of <i>Îlot la Madeleine, braciére ceretano</i> : red-slipped basin decorated with cylinder-stamped design. | 323 |
| 17.4 | Marseille, site of Collège Vieux Port, Etruscan inscription incised in large letters on the shoulder of a Greek wine amphora. | 323 |
| 17.5 | Coastal <i>oppidum</i> of Saint-Blaise, Etruscan inscription of commercial character incised on an Etruscan amphora, sixth century. | 324 |
| 17.6 | Coastal <i>oppidum</i> of Pech-Maho (Sigean, Aude), Etruscan inscription mentioning <i>Matalia</i> (<i>Massalia</i> , Marseille). | 325 |
| 17.7 | Greek colony of Empúries (Ampurias, <i>Emporion</i>), sector of the sanctuary of Aesculapius, feline paw from a bronze tripod, with inscription made at time of casting. | 325 |
| 17.8 | Votive deposit of one Etruscan amphora and one Phoenician amphora. | 326 |

| | | |
|-------|--|-----|
| 17.9 | Shipwreck of Grand Ribaud F (East of Marseille), cargo of Etruscan amphorae. | 326 |
| 17.10 | Cargo of kitchen pottery from the wreck of Grand Ribaud F. | 327 |
| 17.11 | Carthage, old excavations of necropoleis. | 329 |
| 17.12 | Carthage, zone of Dar-Seniat, statuette of young woman offering. | 331 |
| 17.13 | Necropolis of Los Villares, province of Albacete (Castilla-La Mancha), plaques from a small box with representations of banquet, satyrs and birds. Carved ivory, end of the sixth century. | 332 |
| 17.14 | Site of Turuñuelo, Mérida, province of Badajoz (Extremadura), plaque from a box with centaur. Carved ivory, end of the sixth century. | 333 |
| 17.15 | Cancho Roano, Zalamea, province of Badajoz. Banquet tools, <i>simpula</i> . Bronze, end of the sixth century. | 333 |
| 17.16 | Plan of architectural complex of Cancho Roano. | 334 |
| 17.17 | Malaga, old excavations at the foot of the Alcazaba, handle in bronze with a young hero controlling human-headed bulls and a siren. | 335 |
| 17.18 | Empúries/Ampurias, fragment of <i>infundibulum</i> with figurine of a frog serving as hinge. | 337 |
| 17.19 | Empúries/Ampurias, terminal appliqué in form of a lion-head, bronze. | 337 |
| 17.20 | Etruscan mirror, from Empúries/Ampurias, old excavations in the necropolis. Bronze, engraved with the Judgment of Paris. | 338 |
| 17.21 | Ullastret, excavations of the <i>oppidum</i> of Puig Sant Andreu, attachment of moveable handle for stamoid situla. Cast bronze. | 338 |
| 18.1 | The Etruscan city-states with suggested territorial boundaries. | 353 |
| 18.2 | Bronze weight with a lead center from Caere (Sant'Antonio). | 357 |
| 18.3 | A miniature model of the <i>fasces</i> , in iron, from the <i>Tomba del Littore</i> , Vetulonia. | 357 |
| 18.4 | Funerary cippus from Chiusi, now in Palermo, depicting magistrates judging contests. | 358 |
| 18.5 | A road cutting in the tufo near Pitigliano. | 358 |
| 18.6 | Etruscan roads radiating from Veii and Faliscan centers during the seventh to sixth centuries BCE. | 359 |
| 18.7 | Boundary stone from Poggio di Firenze reading <i>tular sp{ural}</i> . | 361 |
| 19.1 | Antenna-hilt sword in bronze of Villanovan type probably discovered in Egypt. | 374 |
| 19.2 | Crested helmets in bronze, of Villanovan type, discovered in the panhellenic sanctuary of Olympia. | 375 |
| 19.3 | Bronze, <i>bracciale di scudo</i> (armband of a shield), with figural decoration, from Olympia. | 376 |
| 19.4 | Belt in bronze of Late Villanovan type, discovered in Euboea. | 377 |
| 19.5 | Etruscan fibulae from various locations in Greece. | 378 |
| 19.6 | Tripod brought up from the sea off Cape Agde, Languedoc. | 379 |
| 19.7 | Reconstruction of original profile of kantharos from Camirus, Rhodes. | 380 |
| 19.8 | Beaked oinochoe, <i>Schnabelkanne</i> , from the tomb of Schwarzenbach. | 380 |
| 19.9 | Bronze Etruscan vases from tombs at Bourges- <i>Avaricum</i> and environs. | 381 |
| 19.10 | Three oinochoai with long spouts, <i>Schnabelkannen</i> , from the tombs of Bourges- <i>Avaricum</i> and environs. | 381 |
| 19.11 | Kantharos (reconstruction) from the <i>oppidum</i> of Camp-de-Chassey, Bourgogne. | 384 |
| 19.12 | Token in bronze, a sort of <i>tessera hospitalis</i> . | 388 |

| | | |
|-------|---|-----|
| 19.13 | Handle attachment with palmette from large bronze basin, from the sanctuary of Fâ, Barzan, Charente-Maritime. | 391 |
| 19.14 | Figurine-attachment in bronze, representing a winged lion (or sphinx ?), <i>oppidum</i> of Mont Lassois, Bourgogne. | 394 |
| 19.15 | Villanovan razor and Etruscan fibulae from Bourges and environs. | 399 |
| 20.1 | Tomb of the Painted Vases, Tarquinia, rear wall. | 428 |
| 20.2 | Canopus from Dolciano, Chiusi. Enthroned image of male ancestor. | 429 |
| 20.3 | Limestone relief from Chiusi. Wedding procession. | 431 |
| 20.4 | Tomb of the Monkey at Chiusi. Deceased woman watching funeral games in her honor. | 432 |
| 20.5 | Bronze mirror, Praenestine. | 432 |
| 20.6 | Bronze mirror from Castelgiorgio. | 433 |
| 20.7 | Carved amber bow of a fibula, from Ancona. | 433 |
| 20.8 | Black-figure vase. Satyr carrying off a friendly maenad. | 434 |
| 20.9 | Urn from Tragliatella (Cerveteri). | 435 |
| 20.10 | Bronze ring found on the body of a deceased woman in grave 153 of the necropolis of Castel di Decima, near Rome. | 436 |
| 20.11 | Life-size stone ash urn from Chiusi. | 438 |
| 22.1 | Stele from Kaminia (Lemnos). | 458 |
| 22.2 | <i>Liber Linteus</i> , from northern Etruria. | 461 |
| 22.3 | Detail of the Tablet of Capua. | 461 |
| 22.4 | Detail of the <i>Tabula Cortonensis</i> . | 462 |
| 22.5 | <i>Cippus</i> of Perugia. | 462 |
| 22.6 | Lead plaque from Magliano. | 463 |
| 22.7 | Sarcophagus of Laris Puleas, from Tarquinia, 250–200 BC. | 463 |
| 22.8 | Gold plaque from Pyrgi. | 464 |
| 22.9 | Black-gloss kylix, from Capua. | 466 |
| 22.10 | Fragment of a “Spurinas”-plate, from Pyrgi. | 466 |
| 22.11 | Inscription on chamber tomb (Volsinii, necropolis of Crocifisso del Tufo, tomb 29). | 466 |
| 22.12 | Oinochoe, from Caere, 675–650 BC. | 466 |
| 22.13 | Bucchero vase in the shape of a rooster, from Corneto (Tarquinia). | 466 |
| 22.14 | Attic red-figure Kylix, from Tarquinia. | 467 |
| 22.15 | Black-gloss Kylix, from Suessula. | 467 |
| 22.16 | Tarquinia, dipinto on wall, Tomba dell’Orco I (350–325 BC). | 468 |
| 22.17 | Tarquinia, dipinto on wall, Tomb of the Spitus. | 468 |
| 22.18 | <i>Cippus</i> in the Tomb of the Reliefs at Caere. | 468 |
| 23.1 | Dice from Vulci. | 479 |
| 23.2 | List of the Etruscan numbers. | 481 |
| 23.3 | Mirror with the goddess Athrpa. | 482 |
| 23.4 | Reconstruction of a <i>groma</i> . | 484 |
| 23.5 | The Liver of Piacenza. | 485 |
| 23.6 | Division of sky. | 485 |
| 23.7 | The Etruscan numeral marking system compared to Latin. | 488 |
| 24.1 | Bucchero olpe found in Caere. Taitale (Daidalos). | 496 |
| 24.2 | Etruscan amphora, perhaps made in Caere. | 496 |
| 24.3 | Greek krater found in Caere with signature of Aristonothos. | 497 |
| 24.4 | “Caeretan” hydria, circa 525 BCE. | 497 |
| 24.5 | Attic volute krater (Kleitias krater) found in Chiusi. | 498 |
| 24.6 | Handle side of Fig. 24.5. | 499 |
| 24.7 | Chariot from Monteleone di Spoleto. | 499 |

| | | |
|-------|--|-----|
| 24.8 | Side panel of the Monteleone chariot. | 499 |
| 24.9 | Wall painting in Tomba dei Tori, Tarquinii. | 500 |
| 24.10 | Etruscan (during the nineteenth century called “Pontic”) amphora. | |
| | and Shoulder friezes on both sides: judgment of Paris. Munich, | |
| 24.11 | Antikensammlungen (n.31). | 501 |
| 24.12 | Bronze mirror from Praeneste. | 502 |
| 24.13 | Carnelian scarab. | 503 |
| 24.14 | Carnelian scarab. “Seven against Thebes.” | 503 |
| 24.15 | Bronze mirror from Vulci. | 504 |
| 24.16 | Etruscan black figure amphora, shoulder frieze. | 504 |
| 24.17 | Terracotta votive from Veii. | 505 |
| 24.18 | Bronze mirror. Apollo (Aplu) and Dionysios (Fufluns). | 505 |
| 24.19 | Bronze mirror from Perugia. | 506 |
| 24.20 | Clay <i>acroterium</i> from Caere. | 507 |
| 24.21 | Clay <i>acroterium</i> from Astrone valley. | 507 |
| 24.22 | Clay <i>antepagmentum</i> from Pyrgi. | 508 |
| 24.23 | Alabaster urn from Volterra. | 509 |
| 24.24 | Terracotta urn from Perugia. | 509 |
| 25.1 | Mirror, Bologna. | 514 |
| 25.2 | Mirror, St. Petersburg B (or V) 505. | 514 |
| 25.3 | Schema of the regions of the sky. | 515 |
| 25.4 | Mirror, Florence. | 518 |
| 25.5 | Mirror, Vaticano. | 518 |
| 25.6 | Bronze statuette of Tinia. | 520 |
| 25.8 | Stamnos, red figure, Vaticano. | 521 |
| 25.9 | Tarquinia, Tomba dei Caronti: <i>Charun chunchulis</i> and <i>Charun buths</i> . | 522 |
| 25.10 | Sarcophagus of Hasti Afunei, Palermo. | 523 |
| 25.11 | Terracotta antefixes, Rome, Villa Giulia. | 523 |
| 25.12 | Plate, Pontic. | 525 |
| 25.13 | Tarquinia; Tomba dell’Orco II. | 525 |
| 25.14 | Bronze statuette, Florence. | 526 |
| 25.15 | Bronze coin, (incuse) = LIMC VII Poseidon/Nethuns 17. After plaster cast. | 526 |
| 25.16 | Red-figure oinochoe, vulture demon. | 527 |
| 25.17 | Wolf at night, “photo trap” near Daubnitz in the Lausitz. | 527 |
| 26.1 | Mirror with Pava Tarchies from Tuscania. | 540 |
| 26.2 | Gold ring bezel with Lasa Vecuvia, from Todi. | 541 |
| 26.3 | Painting of Vel Saties, from the François Tomb, Vulci. | 541 |
| 26.4 | Diagram of the Piacenza Liver. | 542 |
| 26.5 | Clay model of a sheep’s liver from Mesopotamia. | 543 |
| 26.6 | Drawing of terracotta model of a liver from Falerii Veteres. | 547 |
| 26.7 | Mirror with Chalchas as haruspex. | 549 |
| 26.8 | Bronze handle of a pitcher (<i>Schnabelkanne</i>). | 551 |
| 27.1 | Monte Amiata. | 558 |
| 27.2 | Lago di Chiusi. | 558 |
| 27.3 | Tiber river. | 559 |
| 27.4 | Orvieto, Belvedere temple. Photo: Ingrid Edlund-Berry. | 560 |
| 27.5 | Mount Soracte. | 561 |
| 28.1 | Painted clay plaque. | 567 |
| 28.2 | Mirror in bronze. From <i>Praeneste</i> . | 568 |
| 28.3 | Funerary cippus in peperino. | 570 |
| 28.4 | Etrusco-Corinthian krater of the “Gobbi.” | 572 |

| | | |
|---------|---|-----|
| 28.5 | Black figure hydria. | 573 |
| 28.6 | Black-figure amphora. | 574 |
| 28.7a–c | Etruscan <i>oinochoe</i> in overpainted red figure. | 577 |
| 28.8 | Mirror in bronze. | 578 |
| 28.9 | Black-figure krater. | 579 |
| 28.10 | Cinerary urn in tufo. | 580 |
| 29.1 | Tarquinia, “monumental complex,” the natural cavity. | 595 |
| 29.2 | Tarquinia, “monumental complex,” the two pits in front of the “altar temple” and the discovery of the bronzes. | 596 |
| 29.3 | Tarquinia, “monumental complex,” <i>area</i> γ overlapping the Villanovan structures. | 596 |
| 29.4 | Tarquinia, “monumental complex,” the location of the altars focusing the natural cavity in the center. | 597 |
| 29.5 | Tarquinia, “monumental complex,” “impasto” shard with a cross inscribed in a circle. | 597 |
| 29.6 | Tarquinia, “monumental complex,” the well, surmounted by the arch. | 598 |
| 29.7 | Tarquinia, “monumental complex,” the terracotta plaque found inside the well. | 599 |
| 29.8 | Tarquinia, “monumental complex,” the “impasto” shard with the inscription <i>χίιati</i> . | 599 |
| 29.9 | Tarquinia, Ara della Regina sanctuary, aerial view (LiDAR). | 600 |
| 29.10 | Tarquinia, Ara della Regina sanctuary, from the West. | 600 |
| 29.11 | Tarquinia, Ara della Regina sanctuary, the south-east corner of the terrace with the Archaic structures. | 601 |
| 29.12 | Tarquinia, Ara della Regina sanctuary, the stone chest from the east. | 601 |
| 29.13 | Tarquinia, Ara della Regina sanctuary, the stone chest from the north-east. | 602 |
| 29.14 | Tarquinia, Ara della Regina sanctuary, <i>altar</i> α from the west. | 602 |
| 29.15 | The Winged Horses Group after restoration. | 603 |
| 29.16 | Pelike of the Kadmos. | 603 |
| 29.17 | Krater of the Painter of Lycurgus. | 604 |
| 29.18 | Reconstruction of the subject represented on the pediment of the third phase of the Temple of the Ara della Regina sanctuary at Tarquinia (Temple III). | 604 |
| 29.19 | Gravisca, sanctuary, general plan. | 605 |
| 29.20 | Gravisca, sanctuary, Aphrodite <i>promachos</i> from the southern area. | 606 |
| 29.21 | Gravisca, sanctuary, the <i>cippus</i> of Sostratos with the dedication in Greek to Apollo of Aegina from the southern area. | 607 |
| 29.22 | Gravisca, sanctuary, spearheads, miniature weapons and a warrior from the northern area. | 608 |
| 29.23 | Gravisca, sanctuary, the sixth phase (300–281 BC). | 609 |
| 30.1 | Aerial view of the territory of Pyrgi. | 614 |
| 30.2 | General plan of archaeological area. | 614 |
| 30.3 | Walls of the Roman colony in polygonal masonry. | 615 |
| 30.4 | Monumental sanctuary: phase-plans of Temple B and Temple A. | 617 |
| 30.5 | Reconstruction model of Temple B and of Sacred Area C (to left). | 617 |
| 30.6 | Reconstruction model of Temple A. | 619 |
| 30.7 | Architectural terracotta, replacement head from gable of Temple A. | 620 |
| 30.8 | Attic red-figure mesomphalic <i>phiale</i> from the southern sanctuary. | 624 |
| 31.1 | Campo della Fiera: aerial view of excavations. | 633 |
| 31.2 | Plan of central area of excavations. | 634 |

| | | |
|-------|--|-----|
| 31.3 | Temple A. | 635 |
| 31.4 | Pavement of the <i>cella</i> of Temple A. | 635 |
| 31.5 | <i>Donario</i> , altar, trenches and quadrangular structure. | 636 |
| 31.6 | Base of statuette of figure seated on a throne. | 636 |
| 31.7 | Base with Archaic dedicatory inscription. | 637 |
| 31.8 | Black-gloss cup. | 637 |
| 31.9 | Bronze figurine of boy with ball. | 638 |
| 31.10 | Quadrangular structure emptied of fill. | 638 |
| 31.11 | Terracotta female head. | 639 |
| 31.12 | Bronze female head. | 639 |
| 31.13 | Terracotta female head on base. | 640 |
| 31.14 | Terracotta male head (front and back views). | 640 |
| 31.15 | Terracotta female head. | 641 |
| 31.16 | Terracotta female head during excavation. | 641 |
| 31.17 | Terracotta feet of female statue. | 642 |
| 31.18 | Attic vase in form of a Maenad's head. | 643 |
| 31.19 | Cavity in foundation course of the first <i>temenos</i> wall. | 643 |
| 31.20 | Threshold of the second <i>temenos</i> wall. | 644 |
| 31.21 | Via Sacra. | 644 |
| 31.22 | South Area: fountain and Temple B. | 645 |
| 31.23 | Spout of fountain in shape of leonine head. | 645 |
| 31.24 | Temple C. | 646 |
| 31.25 | Precinct of Temple C. | 646 |
| 31.26 | <i>Kylix</i> by Douris. | 647 |
| 31.27 | Etruscan red-figure cup. | 647 |
| 31.28 | Bucchero cup and detail of inscription " <i>atial</i> ." | 647 |
| 31.29 | Plan of Temple C. | 648 |
| 31.30 | <i>A cassone</i> tomb in blocks of tuff. | 649 |
| 31.31 | Inhumation in the <i>a cassone</i> tomb and cremation in <i>olla</i> . | 649 |
| 31.32 | <i>A cassetta</i> tomb in a single block of tuff. | 649 |
| 31.33 | Feeding-vase. | 650 |
| 31.34 | Deposit on the floor-level outside Temple C. | 650 |
| 31.35 | Deposit with bucchero cup and objects in metal. | 651 |
| 31.36 | Plaques from the chariot. | 651 |
| 31.37 | Baths. | 652 |
| 31.38 | Fibula with twins suckled by the she-wolf. | 652 |
| 32.1 | Cerveteri, Banditaccia Necropolis, tumulus with profiled base of Orientalizing period. | 657 |
| 32.2 | Tarquinia, Doganaccia, Tumulo della Regina: antechamber with remains of wall plaster of Middle Orientalizing period. | 657 |
| 32.3 | Vetulonia, model of the Diavolino Tomb 2 of Orientalizing period. | 658 |
| 32.4 | Populonia, San Cerbone Necropolis, Tomb of the Funeral Beds. | 659 |
| 32.5 | San Giuliano, Tomb of Valle Cappellana 1. | 659 |
| 32.6 | Sarteano, Pianacce Necropolis: tomb dromoi with cippus. | 660 |
| 32.7 | Blera, Casetta Necropolis: half cube rock tomb of Archaic period. | 660 |
| 32.8 | San Giuliano, Caiolo Necropolis: Tomb of the Stag. | 661 |
| 32.9 | Populonia, San Cerbone Necropolis: aedicula tomb. | 661 |
| 32.10 | Cerveteri, Via degli Inferi: Tomb of the Doric Columns. | 661 |
| 32.11 | Sovana, Tomb of the Siren. | 662 |
| 32.12 | Sovana, model of the Ildebranda Tomb. | 663 |
| 32.13 | Manziana, stepped Etruscan rock altar. | 664 |

| | | |
|---------|--|-----|
| 32.14 | Bomarzo, rock cube monument of Roman period. | 664 |
| 32.15 | Bomarzo, “Pyramide,” rock monument of Roman period. | 664 |
| 32.16 | Barbarano Romano, monumental cippus in obelisk form from San Giuliano. | 667 |
| 33.1 | Attic black-gloss cup. | 673 |
| 33.2 | Tomba degli Auguri. | 675 |
| 33.3 | Etruscan black-figure (Ivy Group) one-handle kantharos. | 676 |
| 33.4 | Mirror with Herclé and Uni. | 677 |
| 34.1 | Division of the sky according to the <i>Etrusca disciplina</i> . | 689 |
| 34.2 | Plan of the Tuscan temple (<i>templum tuscanicum</i>). | 691 |
| 34.3 | The four prevailing positions of <i>Ursa Major</i> . | 692 |
| 35.1 | The Capitoline temple in Rome. | 696 |
| 35.2 | The Tuscan temple. | 697 |
| 35.3 | View towards the Capitoline hill. | 698 |
| 35.4 | Rusellae, House of the Impluvium. | 700 |
| 35.5 | Temple podia. | 701 |
| 35.6 | Rome, temple of Castor. | 702 |
| 35.7 | Sora, temple with Etruscan round moldings. | 703 |
| 35.8a–b | Castiglion Fiorentino, Medieval wall and Etruscan gate. | 704 |
| 36.1 | Crocefisso del Tufo, plan of necropolis. | 712 |
| 36.2 | Plan and section of the Scala Mobile <i>cuniculus</i> . | 713 |
| 36.3a–e | Vases found in excavation of the Scala Mobile <i>cuniculus</i> . | 714 |
| 36.4 | Etruscan private houses with cisterns: the “Tuscan atrium.” | 714 |
| 36.5 | Cistern of the Archaic period connected with the main trunk of a <i>cuniculus</i> . | 715 |
| 36.6 | Plan of the area of the ancient monumental entrance to Orvieto to the West. | 715 |
| 36.7 | The west side of the tufa plateau of Orvieto. | 716 |
| 37.1 | Pair of bronze statuettes (<i>kore</i> and <i>kouros</i>). | 722 |
| 37.2 | Engraving: Etruscan mirror known as the “ <i>Patera Cospiana</i> ”. | 722 |
| 37.3 | Pair of Etruscan earrings in gold produced by repoussé. | 723 |
| 37.4 | Fibula in gold decorated in granulation “ <i>a pulviscolo</i> ”. | 723 |
| 37.5 | Orientalizing belt clasp in bronze with iron inlay. | 723 |
| 37.6 | Principal metal-bearing regions of Etruria. | 724 |
| 37.7 | Remains of ancient mines at Campo alle Buche. | 725 |
| 37.8 | Materials from the hoard of San Francesco. | 726 |
| 37.9 | Crucible from the Villanovan village of Bologna – Via Indipendenza. | 726 |
| 37.10 | Stone mold from the Villanovan village of Gran Carro. | 727 |
| 37.11 | Unseparated elements of a chain cast in tin from the Villanovan village of Gran Carro. | 727 |
| 37.12 | Fragment of a bloom from the Etruscan site of La Castellina del Marangone. | 729 |
| 37.13 | Remains of a furnace from Populonia. | 730 |
| 37.14 | Large tapped slag for iron smelting from Populonia. | 730 |
| 37.15 | Hammerscales from San Giovenale (Blera, Viterbo). | 732 |
| 37.16 | Lead ingots containing iron slag. | 732 |
| 39.1 | Poncho cuirass from Narce, Tomb 43. | 747 |
| 39.2 | Panoply of the Warrior of Lanuvium. | 748 |
| 39.3 | Panoply from the Tomb of the Warrior, Settecimini necropolis, Orvieto. | 748 |
| 39.4 | Etruscan cuirass with stylized musculature in Karlsruhe. | 749 |
| 39.5 | Italiote cuirass from Ruvo with naturalistic musculature. | 749 |

| | | |
|--------|---|-----|
| 39.6 | Vetulonia-type pot helmet from the Tomb of the Duke, Vetulonia. | 750 |
| 39.7 | Montegiorgio Piceno helmet from Ancona. | 750 |
| 39.8 | Montelparo helmet from Cannae. | 751 |
| 39.9 | Picene helmet demonstrating transition from the Montelparo-type to the Belmonte-type Negau. | 751 |
| 39.10 | Volterra-type Negau helmet. | 752 |
| 39.11 | Vetulonia-type Negau helmet captured by the Syracusans off Cumae in 474. | 752 |
| 39.12 | Cast Montefortino helmet. | 753 |
| 39.13 | Votive statuette of a warrior wearing a fabric corselet reinforced with metal plates (420–400). | 753 |
| 39.14 | Votive statuette of a warrior in a scale or lamellar corselet. | 754 |
| 39.15 | Belly guard from Perugia. | 754 |
| 39.16 | Fully-armoured Achle on the Torre San Severo sarcophagus. | 755 |
| 39.17 | <i>Kopis</i> and <i>aspis</i> equipped warrior on an Etruscan oinochoe, 520–510. | 755 |
| 39.18 | From top, the exceptionally long <i>pilum</i> from Vulci (1.2 m), and Gallic-style (in scabbard) and late <i>kopis</i> -type swords from Perugia. | 756 |
| 39.19 | Statuette of Maris or Laran, 475–450. | 756 |
| 40.1 | Helmet from Olympia. | 765 |
| 40.2 | Wreck of Grand Ribaud F in the course of excavation. | 767 |
| 40.3 | <i>Olla</i> (jar) from Bisenzio, Olmo Bello necropolis, tomb 24. | 769 |
| 40.4 | Ship model in impasto from Tarquinia. | 770 |
| 40.5 | Oinochoe by the Pittore delle Palme, from Tarquinia (?). | 770 |
| 40.6 | Crater of Aristonothos, from Cerveteri. | 771 |
| 40.7 | Hydria by the Micali Painter, from Vulci. | 771 |
| 40.8 | Etruscan ship, reconstruction by Marco Bonino. | 772 |
| 40.9 | Etruscan cargo ship, reconstruction by Marco Bonino. | 773 |
| 41.1–3 | Etruscan amphora of the Heptachord Painter. | 779 |
| 41.4 | The reconstruction of the fast chariot from Populonia, Tumulo dei Carri. | 780 |
| 41.5 | Fragment from the original wooden chassis of the fast chariot from Vulci. | 781 |
| 41.6 | The fast chariot from Populonia, Tumulo dei Carri, 1:1 model. | 782 |
| 41.7 | The fast chariot from Populonia, Tumulo dei Carri. | 782 |
| 41.8 | The fast chariot from Vulci, Tomba del Carro di Bronzo, 1:1 model. | 783 |
| 41.9 | The fast chariot from Vulci, Tomba del Carro di Bronzo. | 783 |
| 41.10 | The reconstruction of the parade Chariot I from Castel San Mariano. | 784 |
| 41.11 | The parade chariot I from Castel San Mariano. | 784 |
| 41.12 | Chariot procession depicted on terracotta friezes of Veii-Rome-Velletri type, dating 530–520 BC. | 785 |
| 41.13 | The shock-absorbing system between the chassis and the axle in the parade chariot from Monteleone di Spoleto. | 785 |
| 41.14 | The parade chariot from Castro (near Vulci). | 786 |
| 41.15 | The wheels of the cart from Populonia, Tumulo dei Carri. | 787 |
| 41.16 | Virtual 3D reconstruction of the cart from Eretum. | 788 |
| 41.17 | The substructure of the same cart as Fig. 41.16. | 788 |
| 41.18 | The wedding procession on a terracotta plaque from Murlo, Poggio Civitate. | 788 |
| 41.19 | Attic black figure lekythos by the Gela Painter. | 789 |
| 41.20 | The bronze decoration of the cart from Castel San Mariano. | 789 |

| | | |
|-------|---|-----|
| 41.21 | Diagram of the function of the iron brackets from Casale Marittimo, Casa Nocera necropolis, tomb A. | 790 |
| 41.22 | Graphic reconstruction of the cart from Pontecagnano, Tomb 928. | 785 |
| 41.23 | The cart from Trevignano Romano, Tomba dei Flabelli. | 791 |
| 41.24 | The tomb of the Picene Princess of Sirolo (near Ancona). | 792 |
| 41.25 | The cart of Sirolo reconstructed as a model 1:4. | 792 |
| 41.26 | Chariot-racing depicted on terracotta friezes of Veii-Rome-Velletri type. | 793 |
| 41.27 | Old drawings of the scene with preparations for a chariot race, a–b painted in the Tomb of the Triclinium of Tarquinia. | 793 |
| 41.28 | Chariot-racing depicted on a funerary stone relief of Chiusi. | 794 |
| 41.29 | Chariot-racing painted on a black-figure amphora by the Micali Painter. | 794 |
| 42.1 | Wooden throne from Tomba del Trono, Verucchio. | 800 |
| 42.2 | Bronze <i>tintinnabulum</i> from Tomba degli Ori, Arsenale Militare. | 800 |
| 42.3 | Spindle from Gran Carro. | 801 |
| 42.4 | Ceramic spindle whorls, Poggio Civitate di Murlo. | 801 |
| 42.5 | Warp-weighted loom and its position with: a) natural shed; b) artificial shed. | 802 |
| 42.6 | Ceramic loom weights, Poggio Civitate di Murlo. | 802 |
| 42.7 | Tablet weaving. | 803 |
| 42.8 | Ceramic spools, Poggio Civitate di Murlo. | 804 |
| 42.9 | Textile fragment from Cogion-Coste di Manone. | 805 |
| 42.10 | Mineralized textile remains from the Tomba della Montagnola at Sesto Fiorentino. | 806 |
| 43.1 | Tomb of Hunting and Fishing, Tarquinia. | 813 |
| 43.2 | Drawing of the principle characteristics of Italic cooking stands. | 814 |
| 43.3 | Caeretan brazier, circa 575 BC, Cerveteri, Monte Abatone Tomb 120. | 815 |
| 43.4 | Bucchero <i>focolare</i> (brazier set with bowls, lids and trays). | 815 |
| 43.5 | Caeretan brazier, circa 575 BC, Cerveteri, Banditaccia Tomb Maroi III. | 816 |
| 43.6 | Bronze cheese grater, Cerveteri (?). | 818 |
| 43.7 | Composite fibula (bronze and amber) with pendant. | 818 |
| 44.1 | Lid of funerary urn from a tomb at Tolle (Tomb 23). | 824 |
| 44.2 | Lid of funerary urn from Montescudaio, territory of Volterra. | 824 |
| 44.3 | Frieze plaque, terracotta, from the Upper Building at Poggio Civitate (Murlo). | 825 |
| 44.4 | Golini I tomb, Orvieto. | 828 |
| 44.5 | Tomb of the Shields, Tarquinia. | 828 |
| 45.1 | Amphora by the Micali Painter. | 833 |
| 45.2 | Tomba degli Olimpiadi. | 835 |
| 45.3 | Tomba degli Auguri. | 836 |
| 45.4 | Tomba degli Olimpiadi. | 837 |
| 46.1 | Terracotta plaque type C from Acquarossa. | 841 |
| 46.2 | The <i>cornu</i> at Museo Nazionale Etrusco di Villa Giulia. | 843 |
| 46.3 | The Tarquinia <i>lituus</i> . | 843 |
| 46.4 | Drawing of an <i>aulos</i> player in <i>Tomba dei Leopardi</i> , Tarquinia. | 844 |
| 46.5 | The Chianciano <i>aulos</i> . | 844 |
| 46.6 | Drawing of a <i>chelys lyra</i> in <i>Tomba dei Leopardi</i> , Tarquinia. | 845 |
| 46.7 | Drawing of a <i>barbiton</i> in <i>Tomba del Triclinio</i> , Tarquinia. | 846 |
| 46.8 | Mirror of a youth holding a concert <i>kitbara</i> . | 846 |
| 46.9 | Rattling cup from Veii. | 847 |
| 46.10 | Sarcophagus and lid with portraits of husband and wife. | 848 |

- [Don't Put Me In, Coach: My Incredible NCAA Journey from the End of the Bench to the End of the Bench here](#)
- [download Graphs and Matrices \(2nd Edition\) \(Universitext\)](#)
- [The Best of All Possible Wars pdf, azw \(kindle\), epub, doc, mobi](#)
- [download El ojo de jade](#)
- [click Sunset of the Gods \(Blood of the Heroes, Book 2\)](#)

- <http://yachtwebsitedemo.com/books/Women--Race----Class.pdf>
- <http://twilightblogs.com/library/Night-Fall--Neil-Paget--Book-10-.pdf>
- <http://crackingscience.org/?library/The-Best-of-All-Possible-Wars.pdf>
- <http://drmurphreesnewsletters.com/library/Gilded-Lily--Lily-Safra--The-Making-of-One-of-the-World-s-Wealthiest-Widows.pdf>
- <http://redbuffalodesign.com/ebooks/Wintersweet--Seasonal-Desserts-to-Warm-the-Home.pdf>