

BLACKWELL COMPANIONS TO THE ANCIENT WORLD



A COMPANION TO THE ARCHAEOLOGY OF THE ANCIENT NEAR EAST

Volume I

BLACKWELL COMPANIONS TO THE ANCIENT WORLD

This series provides sophisticated and authoritative overviews of periods of ancient history, genres of classical literature, and the most important themes in ancient culture. Each volume comprises between 25 and 40 concise essays written by individual scholars within their area of specialization. The essays are written in a clear, provocative, and lively manner, designed for an international audience of scholars, students, and general readers.

ANCIENT HISTORY

Published

A Companion to the Roman Army Edited by Paul Erdkamp

A Companion to the Roman Republic Edited by Nathan Rosenstein and Robert Morstein-Marx

A Companion to the Roman Empire Edited by David S. Potter

A Companion to the Classical Greek World Edited by Konrad H. Kinzl

A Companion to the Ancient Near East Edited by Daniel C. Snell

A Companion to the Hellenistic World Edited by Andrew Erskine

A Companion to Late Antiquity Edited by Philip Rousseau

A Companion to Ancient History Edited by Andrew Erskine

A Companion to Archaic Greece Edited by Kurt A. Raaflaub and Hans van Wees

A Companion to Julius Caesar Edited by Miriam Griffin

A Companion to Byzantium Edited by Liz James

A Companion to Ancient Egypt Edited by Alan B. Lloyd

A Companion to Ancient Macedonia Edited by Joseph Roisman and Ian Worthington

A Companion to the Punic Wars Edited by Dexter Hoyos

LITERATURE AND CULTURE

Published

A Companion to Classical Receptions Edited by Lorna Hardwick and Christopher Stray

A Companion to Greek and Roman Historiography Edited by John Marincola

A Companion to Catullus Edited by Marilyn B. Skinner

A Companion to Roman Religion Edited by Jörg Rüpke

A Companion to Greek Religion Edited by Daniel Ogden

A Companion to the Classical Tradition *Edited by Craig W. Kallendorf*

A Companion to Roman Rhetoric Edited by William Dominik and Jon Hall

A Companion to Greek Rhetoric Edited by Ian Worthington

A Companion to Ancient Epic Edited by John Miles Foley

A Companion to Greek Tragedy Edited by Justina Gregory

A Companion to Latin Literature Edited by Stephen Harrison

A Companion to Greek and Roman Political Thought

Edited by Ryan K. Balot A Companion to Ovid Edited by Peter E. Knox

A Companion to the Ancient Greek Language Edited by Egbert Bakker

A Companion to Hellenistic Literature Edited by Martine Cuypers and James J. Clauss

A Companion to Vergil's Aeneid and its Tradition
Edited by Joseph Farrell and
Michael C. J. Putnam

A Companion to Horace Edited by Gregson Davis

A Companion to Families in the Greek and Roman Worlds Edited by Beryl Rawson

A Companion to Greek Mythology Edited by Ken Dowden and Niall Livingstone

A Companion to the Latin Language Edited by James Clackson

A Companion to Tacitus Edited by Victoria Emma Pagán

A Companion to Women in the Ancient World Edited by Sharon L. James and Sheila Dillon

A Companion to Sophocles Edited by Kirk Ormand

A Companion to the Archaeology of the Ancient Near East *Edited by D.T. Potts*

A COMPANION TO THE ARCHAEOLOGY OF THE ANCIENT NEAR EAST Volume I

Edited by

D.T. Potts



A John Wiley & Sons, Ltd., Publication

This edition first published 2012 © 2012 Blackwell Publishing Ltd.

Blackwell Publishing was acquired by John Wiley & Sons in February 2007. Blackwell's publishing program has been merged with Wiley's global Scientific, Technical, and Medical business to form Wiley-Blackwell.

Registered Office

John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex, PO19 8SQ, UK

Editorial Offices

wiley-blackwell.

350 Main Street, Malden, MA 02148-5020, USA 9600 Garsington Road, Oxford, OX4 2DQ, UK The Atrium, Southern Gate, Chichester, West Sussex, PO19 8SQ, UK

For details of our global editorial offices, for customer services, and for information about how to apply for permission to reuse the copyright material in this book please see our website at www.wiley.com/

The right of D.T. Potts to be identified as the author of the editorial material in this work has been asserted in accordance with the UK Copyright, Designs and Patents Act 1988.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, except as permitted by the UK Copyright, Designs and Patents Act 1988, without the prior permission of the publisher.

Wiley also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.

Designations used by companies to distinguish their products are often claimed as trademarks. All brand names and product names used in this book are trade names, service marks, trademarks or registered trademarks of their respective owners. The publisher is not associated with any product or vendor mentioned in this book. This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is sold on the understanding that the publisher is not engaged in rendering professional services. If professional advice or other expert assistance is required, the services of a competent professional should be sought.

Library of Congress Cataloging-in-Publication Data

A companion to the archaeology of the ancient Near East / edited by D.T. Potts.

p. cm. – (Blackwell companions to the ancient world)

Includes bibliographical references and index.

ISBN 978-1-4051-8988-0 (hardcover : alk. paper) 1. Archaeology–Middle East. 2. Middle East–Antiquities. 3. Middle East–Civilization–To 622. I. Potts, Daniel T.

DS56.C585 2012 939'.4-dc23

2011034988

A catalogue record for this book is available from the British Library.

Set in 10.5/13 pt Galliard by Toppan Best-set Premedia Limited

Contents

List	of Illi	ustrations	X
List	of Ta	bles	xvii
Note	es on (Contributors	xviii
Pref	Face		xxviii
Map	DS.		xxxi
Ι	Th	e Framework	1
	1	Introduction to Geography, Climate, Topography, and Hydrology T.J. Wilkinson	3
	2	Antiquarianism, Copying, Collecting Mark B. Garrison	27
	3	Early Excavations (pre-1914) Nicole Chevalier	48
	4	The Foundations of Antiquities Departments Peter Magee	70
	5	The Political Dimension of Archaeological Practices	87

Reinhard Bernbeck

VOLUME I

vi Contents

	6	Ancient Near Eastern Cultures Oscar White Muscarella	106
II		te Pleistocene and Early Holocene Hunters and therers	125
	7	The Levant Alan H. Simmons	127
	8	Anatolia Klaus Schmidt	144
III		velopments in Farming, Animal Husbandry, d Technology	161
	9	The Beginnings of Cereal Cultivation and Domestication in Southwest Asia George Willcox	163
	10	Fruit-Growing Margareta Tengberg	181
	11	Animals in the Ancient World Benjamin S. Arbuckle	201
	12	Fish and Fishing D.T. Potts	220
	13	Lithic Industries During the Holocene Period Steven A. Rosen	236
	14	Irrigation Ariel M. Bagg	261
	15	Ceramic Production Cameron A. Petrie	279
	16	Metallurgy Lloyd Weeks	295
	17	Glass Wendy Reade	317
	18	Textiles Irene Good	336

	•••
Contents	V11

	19	Watercraft R.A. Carter	347	
IV	Vai	rieties of Early Village and Town Life	373	
	20	The Northern Levant Karin Bartl	375	
	21	The Southern Levant <i>E.B. Banning</i>	396	
	22	Northern Mesopotamia Stuart Campbell	415	
	23	The Late Epipaleolithic, Neolithic, and Chalcolithic of the Anatolian Plateau, 13,000–4000 BC Douglas Baird	431	
	24	Southern Mesopotamia Joan Oates	466	
	25	The Arabian Peninsula Philipp Drechsler	485	
	26	The Iranian Plateau Barbara Helwing	501	
	27	Southwestern Iran Abbas Moghaddam	512	
V	Bro	nze Age Cities of the Plains and the Highlands	531	
	28	Southern Mesopotamia Jason Ur	533	
	29	Northern Mesopotamia Timothy Matney	556	
	30	The Anatolian Plateau Christoph Bachhuber	575	
	31	Iran Christopher P. Thornton	596	
	32	The Northern Levant Hermann Genz	607	
	33	The Southern Levant Timothy P. Harrison	629	

viii Contents

VOLUME II

List of Illustrations		
List of Tables		xii
Maps		xiii
VI Th	e Archaeology of Empire	647
34	The Akkadian Period: Empire, Environment, and Imagination Augusta McMahon	649
35	The Caucasus and the Near East Adam T. Smith	668
36	Central Asia, the Steppe, and the Near East, 2500–1500 BC Michael D. Frachetti and Lynne M. Rouse	687
37	The Ur III, Old Babylonian, and Kassite Empires Marlies Heinz	706
38	The Hittite Empire Trevor Bryce	722
39	Elam: Iran's First Empire Javier Álvarez-Mon	740
40	India's Relations with Western Empires, 2300–600 BC Gregory L. Possehl	758
41	Levantine Kingdoms of the Late Bronze Age Peter Pfälzner	770
42	Neo-Hittite and Phrygian Kingdoms of North Syria and Anatolia Ann C. Gunter	797
43	North Arabian Kingdoms Arnulf Hausleiter	816
44	Egypt and the Near East Thomas Hikade	833
45	The Assyrian Heartland Friedhelm Pedde	851
46	The Assyrians Abroad Bradley J. Parker	867

Contents ix

47	Alina Ayvazian	8//
48	Iron Age Western Anatolia: The Lydian Empire and Dynastic Lycia Christopher H. Roosevelt	896
49	The Neo-Babylonian Empire Heather D. Baker	914
50	The Achaemenid Heartland: An Archaeological-Historical Perspective Wouter F.M. Henkelman	931
51	The Achaemenid Provinces in Archaeological Perspective Lori Khatchadourian	963
52	The Seleucid Kingdom Lise Hannestad	984
53	The Arsacid (Parthian) Empire Stefan R. Hauser	1001
54	Roman Rule in the Near East Bettina Fischer-Genz	1021
55	The Red Sea and Indian Ocean in the Age of the Great Empires Steven E. Sidebotham	1041
56	Byzantium in Asia Minor and the Levant Basema Hamarneh	1060
57	The Sasanian Empire: An Archaeological Survey, c.220–AD 640 Ali Mousavi and Touraj Daryaee	1076
58	Christianity in the Late Antique Near East Cornelia Horn and Erica C.D. Hunter	1095
Abbreviat	ions	1113
References		1117
Index		1380

Illustrations

мар 1	in this volume (western region).	xxxii
Map 2	Selection of sites and modern placenames mentioned in this volume (eastern region).	xxxiii
Map 3	Detail of sites located in the west.	xxxiv
Map 4	Detail of sites located in the east.	XXXV
1.1	Map of the area discussed in the text.	5
1.2	Reconstruction of wetter and drier periods in the climate record of Lake Van (Turkey) and Qunf Cave (Oman).	10
1.3	Pollen diagrams from Birkat Ram (Golan Heights) and Lake Van (Turkey).	17
3.1	The excavations of Paul-Émile Botta at Khorsabad (after Flandin 1861: 77).	50
3.2	"Entrance passage, Kouyunjik" (after Layard 1853b: 340, opposite).	53
3.3	The brick pillars of Gudea at Telloh (after Sarzec 1884–1912: Pl. 52.2).	58
3.4	"Excavated section of the southeastern court of the Ziggurrat in Nippur" (after Hilprecht 1903: 377, opposite).	59
3.5	The northwest tower of the EB III city walls at Jericho, excavated (after Sellin and Watzinger 1913: Pl. 6a).	63

Illustrations xi

3.6	The Lion Gate of Boğazköy during the excavations of 1907 (after Garstang, 1910: Pl. 60).	64
3.7	The Apadana and château at Susa (Archives du département des antiquités orientales, Louvre Museum, 2694).	67
8.1	Göbekli Tepe, main excavation area on the southern slope of the mound.	150
8.2	Pillar 43, one of the decorated pillars from enclosure D at Göbekli Tepe.	152
8.3	Enclosure D during the 2009 excavation of Göbekli Tepe.	153
8.4	Pillar 18, the eastern central pillar of enclosure D at Göbekli Tepe.	154
8.5a-c	A totem pole-like sculpture of limestone from Göbekli Tepe.	156
9.1	Locations of the major sites mentioned in the text with altitude contours.	168
9.2	A room in the PPNA site of Jerf el-Ahmar (northern Syria) showing three quern bases in a line that were used to grind cereal grain on a large scale.	173
10.1	Map showing sites mentioned in the text.	184
10.2	Carbonized grape seeds of Bronze Age date from Ulug Depe (Turkmenistan).	187
10.3a	Representations of grape vine on Neo-Assyrian stone slabs: the banquet scene, reign of Assurbanipal (669–631 BC), North Palace, Nineveh.	189
10.3b	Lions in a garden, reign of Assurbanipal, North Palace, Nineveh.	189
10.3c	The capture of Lachish, reign of Sennacherib (704–681 BC), Southwest Palace, Nineveh.	189
10.4	Crushed and carbonized olive endocarps, waste from oil production in the Bronze Age, from Tell Yarmut, Israel (photo A. Salavert).	191
10.5	Carbonized seeds and fruits from date palm, Iron Age, Muweilah, United Arab Emirates.	197
11.1	Frequencies of sheep and goats in Aceramic Neolithic period faunal assemblages in the northern Levant and Anatolia prior to and after 7500 BC.	205

xii Illustrations

Black = sheep and goats; grey = cattle; white = pigs.	209
Changing frequencies of prodomestic taxa (including sheep/goat, cattle, pigs) and wild taxa (gazelle, deer, wild equids, hare) in faunal assemblages from across the Near East in the PPNA, PPNB, Pottery Neolithic (PN), Chalcolithic (Chalc), Bronze Age (BA), and Iron Age.	217
General lithic waste products: 1. flake; 2. microburin; 3. burin spall; 4. bladelet core; 5. primary flake; 6. flake core; 7. core trimming elements (ridge blade); 8. blade core (navifom PPNB); 9. blade. Note different scales. All pieces from the Ben-Gurion University study collection.	240
13.2 General Neolithic types: 1. PPNB sickle blade; 2. denticulated Pottery Neolithic sickle segment; 3. PPNA Khiam point; 4. PPNA truncated notched piece; 5. PPNB Byblos point; 6. awl (non-diagnostic); 7. dihedral burin (non-diagnostic); 8. scraper (non-diagnostic); 9. PPNB axe. Scale approximate. Numbers 1 and 2 from Gilgal (Noy 1987). All other artifacts from Tel Teo (Gopher and Rosen 2001).	246
General post-Neolithic types. 1. Early Bronze Age Canaanean sickle segment; 2. Early Bronze Age Canaanean blade; 3, 5. Second millennium BC large geometric sickle segments; 4. awl (non-diagnostic); 6. Chalcolithic backed blade sickle segment; 7. microlithic lunate (desert Early Bronze Age); 8. microlithic drill (non-diagnostic); 9. Chalcolithic axe; 10. Early Bronze Age Canaanean blade core; 11. tabular scraper (Late Neolithic through Early Bronze Age). Note different scales. Upper scale is approximate (1, 2, 7, 8, and 10: Rosen 1997; 4: Levy and Rosen 1987; 6 and 9: Gopher and Rosen 2001; 3 and 11: Rosen 2004).	250
13.4 The evolution of arrowhead morphology in the Southern Levant as an example of general arrowhead evolution in the Near East.	255
Cylinder seal showing the use of the <i>shaduf</i> c.2200 BC (after Ward 1910: Fig. 397, Louvre A. 156).	265
14.2 Two-stage <i>shaduf</i> installation (7th century BC). Detail from a relief in Sennacherib's Southwest Palace at Nineveh (BM 124820) (after Davies 1933: Fig. 10).	265

Illustrations xiii

14.3	Irrigated park with aqueduct (7th century BC) at Nineveh, North Palace (BM 124039) (drawing by the author).	277
19.1	Ubaid-period boat models, cf. Table 19.1.	348
19.2	Painted ceramic disc from H3, As-Sabiyah (courtesy, British Archaeological Expedition to Kuwait).	351
19.3	Late Uruk and Jamdat Nasr glyptic. 1. Uruk IV (Lenzen 1961: Pl. 26a-b); 2. Uruk IV-III (Lenzen 1960: Pls. 26i, 31a-f); 3. Uqair (Lloyd and Safar 1943: 147–56, Pl. 30.115); 4. Uruk III (Amiet 1980 Pl. 46.655); 5. Tell Billa (Amiet 1980 Pl. 46.656); 6. Uruk (Amiet 1980: Pl. 13bis.G); 7. Unprovenanced (Amiet 1980: Pl. 46.657); 8. Unprovenanced (Amiet 1980: Pl. 40.609); 9. Susa, "Archaïque" (Amiet 1980: Pl. 15.260); 10. Susa, Proto-Elamite (Amiet 1980: Pl.38.589); 11. Susa, Proto-Elamite (Amiet 1980: Pl.38.588).]	353
19.4	Protoliterate signs relating to watercraft (Green and Nissen 1987: 241). Left: Sign 339, ma_2 . Right: Sign 340, $magur$ ($ma_2 + sig_2$, ur_5 or gug_2).	354
19.5	Early Dynastic and Akkadian glyptic. 1. Ur (Amiet 1980: Pl. 61.827); 2–3. Unprovenanced (Amiet 1980: Pls. 86.1134 and 1131); 4. Khafajah (Amiet 1980: Pl. 86.1135); 5. Hama (Amiet 1980: Pl. 91.1208); 6. Tell Asmar (Amiet 1980: Pl. 91.1204); 7–8. Fara (Amiet 1980: Pls. 86.1130 and 104.1374); 9. Kish (Amiet 1980: Pl. 107.1420); 10. Tell Asmar (Amiet 1980: Pl. 113.1505). 1 = ED I; 2–9 = ED I–III; 10 = Akkadian.	356
19.6	Clay model with S-shaped ends from Ur (U.19495), bottom of grave stratum, probably ED I (courtesy, British Museum).	358
19.7	Bitumen model from Ur (U.8848–9) (courtesy, British Museum).	358
19.8	Silver model from Ur (courtesy, Michael Roaf).	359
19.9	Boats from Dilmun Glyptic. 1. Saar, "early type" (al-Sindi), unknown if cemetery or settlement (Al-Sindi 1999: 50, no. 2); 2. Hamad Town (Al-Sindi 1999: 49, no. 1); 3. Failaka F3, redrawn since Potts 1995 (Kjærum 1983: cat. 263); 4. Failaka F6, redrawn since Potts 1995 (Kjærum 1983: cat. 266); 5. Failaka F3, double-sided seal (Kjærum 1983: cat. 343); 6. Failaka F6, double-sided (Kjærum 1983: cat. 351); 7. Failaka	

xiv Illustrations

	F6 (Kjærum 1983: cat. 264); 8. Failaka F6 (Kjærum 1983: cat. 265); 9. Saar settlement (Al-Sindi 1999: 54, no. 6); 10. Hamad Town (Al-Sindi 1999: 53, no. 5); 11. Failaka F3 (Kjærum 1983: cat. 262); 12. Hamad Town (Al-Sindi 1999: 51, no. 3); 13. Saar tomb S-267 (Type IV), double-sided (Ibrahim 1982: 81, Pl. 49.1); 14. Karranah (Al-Sindi 1999: 52, no. 4).	369
20.1	Archaeological sites mentioned in the text.	376
20.2	Sub-floor burials at the Late Neolithic site of Shir (photo T. Urban, German Archaeological Institute, Orient-Abteilung).	386
20.3	Storage buildings at the Late Neolithic site of Shir (photo T. Urban, German Archaeological Institute, Orient-Abteilung).	387
23.1	Pinarbaşi, rock shelter and open site.	436
23.2	Epipaleolithic burial with skull removal at Pinarbaşi.	437
23.3	Incised plaques and shaft-straighteners from Pinarbaşi and Boncuklu.	439
23.4	Boncuklu sub-oval building.	441
23.5	Kaletepe obsidian workshop areas.	442
23.6	Settlement fluctuation in the Konya Plain survey area.	445
23.7	Çatal Höyük building.	450
23.8	Çatal Höyük settlement.	451
23.9	Çatal Höyük bucrania.	455
23.10	Boncuklu neonate burial in Building 3.	460
24.1	Alabaster statuette from Tell es-Sawwan cemetery, c.6000 BC (photo J. Oates).	469
24.2	Alabaster vessels from the Level 1 burials at Tell es-Sawwan (photo J. Oates).	469
24.3	Head of Samarran female clay figurine from Choga Mami, late 7th millennium BC. The hairstyle and earrings anticipate the style of the famous Warka head by some 3,000 years (photo J. Qates).	474

Illustrations xv

24.4	Architecture built with cigar-shaped bricks at Choga Mami (photo J. Oates).	474
27.1	Map showing the extent of greater Susiana.	513
28.1	Southern Mesopotamia, with major Bronze Age settlements and modern watercourses indicated. Land over 100 meters is hill-shaded.	534
28.2	Uruk, c.3100 BC. A. Area of 4th millennium settlement. B. Monumental tripartite buildings and other structures in the Eanna area (based on Finkbeiner 1991: Beilage 23; Forest 1996: Fig. 91).	537
28.3	Uruk period tripartite buildings from Habuba Kabira and Uruk, with earlier Ubaid tripartite buildings from Eridu and Tell Madhhur (based on Safar et al. 1981; Roaf 1989: Fig. 1; Kohlmeyer 1996: Fig. 3a; Forest 1996: Fig. 91).	539
28.4	Households of the later 3rd millennium BC: palaces from Uruk, Kish, and Eshnunna; domestic houses from Eshnunna Stratum V (Eichmann 2007: Beilage 157; Delougaz et al. 1967; Mackay 1929: Pls. 21–22).	542
28.5	Temples, palaces, and domestic houses in the urban fabric of Eshnunna, c.2200 BC (compiled from Delougaz et al. 1967).	543
28.6	A Middle Bronze Age neighborhood at Ur (based on Woolley and Mallowan 1976: Pl. 24). Gray areas are public space; buildings identified as neighborhood chapels are marked "C."	547
28.7	Shaduppum, a Middle Bronze Age town (based on Baqir 1946: Fig. 1).	549
28.8	Nippur in the Kassite period, based on an ancient cuneiform map (black lines) and modern topography (gray lines). Italic labels are translated from the cuneiform inscriptions; all others are modern designations (based on Zettler 1993: Pls. 6–7).	551
30.1	A few key Middle Bronze Age and Late Bronze Age sites on the Anatolian plateau.	576
30.2	Plan of LBA Boğazköy-Hattuša (after Seeher 2005; with permission from J. Seeher).	581
32.1	Map showing the location of Early and Middle Bronze Age sites in the Northern Levant mentioned in the text.	611

xvi Illustrations

32.2	Early Bronze Age cylinder seal impression on a storage jar from Tell Fadous-Kfarabida.	616
32.3	Scale-beam made of bone from Tell Fadous-Kfarabida.	616
32.4	Reconstruction of the monumental tomb 302 at Jerablus-Tahtani (courtesy E.J. Peltenburg, Jerablus Tahtani Project).	619
32.5	Plan of the Middle Bronze Age building at Tell el-Burak (courtesy J. Kamlah and H. Sader, Tell el-Burak Project).	623

Tables

8.1	Late Pleistocene and Early Holocene periods in southwest Asia (simplified) with important Anatolian sites and approximate dates	146
9.1	The nine founder plants which were the basis of early farming in the Near East	166
9.2	Approximate dates in BP (before present) calibrated calendar years (minus 2000 years for BC cal dates)	168
9.3	Relative volume of cereals compared to grasses in the PPNA	169
9.4	Sites where pre-domestic cultivation has been proposed	171
19.1	Ubaid-period boat models	349
19.2	Materials for boats of different sizes	363
20.1	Main chronological periods in the Northern Levant, c.14,000–3300 BC	379
21.1	A schematic of the culture history of the southern Levant during the Neolithic and Chalcolithic	397
23.1	Chronological schema used in this chapter	433
27.1	Relative chronology of greater Susiana	517
28.1	Mesopotamian chronology, 3100–1000 BC (calendar dates are approximate)	535

Notes on Contributors

Javier Álvarez-Mon is a Senior Lecturer in Near Eastern Archaeology at the University of Sydney (Australia). He is the author of *The Arjan Tomb: At the crossroads of the Elamite and Persian Empires* (2010) and co-editor, with Mark B. Garrison, of *Elam and Persia* (2011).

Benjamin S. Arbuckle is an Assistant Professor in the Department of Anthropology, Baylor University (USA). He is an anthropological archaeologist whose research focuses on the origins and spread of animal economies in the ancient world, especially Anatolia.

Alina Ayvazian is a Visiting Professor in the Department of History and Cultures at the University of California, Merced (USA).

Christoph Bachhuber received his PhD from Oxford in 2008 and is a Postdoctoral Fellow at the Joukowsky Institute for Archaeology and the Ancient World at Brown University. He is currently completing a monograph entitled *Material and Landscape in Early Bronze Age Anatolia: Citadels, cemeteries and their interpretation* (forthcoming with Equinox, London). He was co-editor, with R.G. Roberts, of *Forces of Transformation: The end of the Bronze Age in the Mediterranean* (2009).

Ariel M. Bagg is a Privatdozent in the Assyriological Institute of the University of Leipzig (Germany). He is both an Assyriologist and a civil engineer and is the author of Assyrische Wasserbauten (2000) and Die Orts- und Gewässernamen der neuassyrischen Zeit. Teil 1: Die Levante (2007).

Douglas Baird is a Senior Lecturer in the School of Archaeology, Classics, and Egyptology at the University of Liverpool (UK). His particular interests are in the origins of agriculture and sedentism, urbanism and complex societies, land-scape approaches in archaeology, and lithic analysis. He has conducted fieldwork

extensively, most importantly at Pinarbaşi, Boncuklu and the Konya plain (Turkey) and Tell esh-Shuna North (Jordan).

Heather D. Baker is a senior researcher at the University of Vienna (Austria). She has participated in numerous excavations in the Near East and specializes in the social, economic and political history and archaeology of Babylonia and Assyria in the 1st millennium BC, with a particular interest in urbanism and the built environment. She is currently leading a research project on the royal household in 1st millennium BC Mesopotamia.

E.B. Banning is Professor of Anthropology at the University of Toronto (Canada). He is the author of *Archaeological Survey* (2002) and *The Archaeologist's Laboratory* (2000). He conducts field research, mainly on the Neolithic and Chalcolithic, in northern Jordan, where he has directed the Wadi Ziqlab Project. He was also a senior staff member of the Ain Ghazal excavations (1982–9). Among his research interests are ancient settlement organization and household archaeology.

Karin Bartl is director of the Damascus Branch of the Orient Department of the German Archaeological Institute (Germany). She is the author of Vorratshaltung. Die spätepipaläolithische und frühneolithische Entwicklung im westlichen Vorderasien. Voraussetzungen, typologische Varianz und sozio-ökonomische Implikationen im Zeitraum zwischen 12,000 und 7,600 BP (2004) and co-editor, with Abd al-Razzaq Moaz, of Residences, Castles, Settlements: Transformation processes from Late Antiquity to Early Islam in Bilad al-Sham (2008).

Reinhard Bernbeck is Professor of Near Eastern Archaeology at the Freie Universität Berlin (Germany) and Professor of Anthropology at Binghamton University (USA). He is the author of Steppe als Kulturlandschaft (1993), Die Auflösung der Häuslichen Produktionsweise: das Beispiel Mesopotamiens (1994), and Theorien in der Archäologie (1997). Together with Susan Pollock he has edited Archaeologies of the Middle East: Critical perspectives (2005) and other works. He has conducted fieldwork in eastern Syria, Jordan, southeastern Turkey, south-central Iran and most recently Turkmenistan.

Trevor Bryce is Emeritus Professor and Honorary Research Consultant at the University of Queensland (Australia). He is the author of a number of books on the ancient Near East, including *The Kingdom of the Hittites* (2005) and *The Routledge Handbook of the Peoples and Places of Ancient Western Asia* (2009).

Stuart Campbell is a Senior Lecturer in the School of Arts, Histories and Cultures at the University of Manchester (UK). His fieldwork has been concentrated in northern Iraq, northern Syria, and southeastern Turkey at sites such as Khirbet Garsour, Gir Matbakh, Ginnig, Jerablus Tahtani, and, since 1995, Domuztepe. He co-authored, with Douglas Baird and Trevor Watkins, *Excavations at Kharabeh Shattani* II (1996) and co-edited, with Anthony Green, *The Archaeology of Death in the Ancient Near East* (1995).

Robert Carter is a Senior Lecturer at UCL Qatar (Doha, Qatar) and his recent books include Maritime Interactions in the Arabian Neolithic (2010, with H. Crawford); Beyond the Ubaid: Transformation and integration in the late prehistoric societies of the Middle East (2010, with G. Philip); and The Archaeology of a Desert Island: Research at al-Khor (2010, with R. Killick). He is currently finishing a book on the historic and prehistoric pearl fishery of the Persian Gulf, and its formative impact on the past and present societies of the Gulf.

Nicole Chevalier works in the Department of Oriental Antiquities at the Louvre Museum (France). She was the editor of *Une mission en Perse 1897–1912* (1997) and the author of *La recherche archéologique française au Moyen-Orient 1842–1947* (2002) and *Chronique des premières missions archéologiques françaises à Suse d'après les photographies et les mémoires de l'architecte et archéologue Maurice Pillet 1912–1913* (2009).

Touraj Daryaee is the Howard C. Baskerville Professor in the History of Iran and the Persianate World at the University of California, Irvine (USA). He is the author of a number of books on Sasanian history, including *Sasanian Iran* (224–651 CE): Portrait of a Late Antique Empire (2008).

Philipp Drechsler is a research fellow at the Eberhard Karls University in Tübingen (Germany). He is the author of *The Dispersal of the Neolithic Over the Arabian Peninsula* (2009).

Bettina Fischer-Genz holds a research position in the Baalbek-Project of the Orient Department of the German Archaeological Institute (Germany). A number of articles have been published on her survey project in the rural hinterland of Heliopolis-Baalbek (Lebanon), which is now being prepared for final publication. She has also published articles and chapters on the economic role of sanctuaries in Iron Age Cyprus, which was the subject of her PhD dissertation. She is coeditor of *Identifying Changes: The transition from Bronze to Iron Ages in Anatolia and the Neighbouring regions* (2003) and *Roman Pottery in the Levant: Local production and regional trade* (in preparation).

Michael Frachetti is an Associate Professor in the Department of Anthropology at Washington University in St Louis (USA). He is the author of *Pastoralist Landscapes and Social Interaction in Bronze Age Eurasia* (2008) and conducts archaeological fieldwork in Kazakhstan, Kyrgyzstan, and Uzbekistan.

Mark B. Garrison holds the Alice Pratt Brown Distinguished Professorship in Art History in the Department of Art and Art History at Trinity University (USA). His primary research interests are the glyptic arts of ancient Iran and Iraq in the first half of the 1st millennium BC. He specializes in the glyptic preserved on two large archives from Persepolis, the Persepolis Fortification tablets and the Persepolis Treasury tablets. With Margaret Cool Root, he was the author of Seals on the Persepolis Fortification Tablets, Vol. I: Images of heroic encounter (2001). In

addition to the documentary work represented in that publication, his research has focused upon social aspects of glyptic production at Persepolis, especially issues surrounding the impact of individuals of high status and/or administrative rank on the development of glyptic style and iconography in the early Achaemenid period. His publications have also addressed the emergence and development of royal ideology in glyptic at Persepolis, religious imagery in Achaemenid art, and the relationship of the glyptic of the Achaemenid period to earlier glyptic traditions in Elam and Mesopotamia.

Hermann Genz has a PhD from the University of Tübingen (1998). He is currently Associate Professor of Archaeology at the American University of Beirut (Beirut) and director of the Tell Fadous-Kfarabida excavation project. His research interests include the Bronze and Iron Ages of the eastern Mediterranean, with a special focus on ceramics, exchange mechanisms, and technology. He has participated in various excavations in Germany, Jordan, Turkey, and Lebanon and has published a number of books and articles on the Bronze Age in the Levant and the Iron Age in Anatolia.

Irene Good is an archeologist and textiles specialist at the Research Laboratory for Archaeology and the History of Art, University of Oxford (UK). She has conducted research and published on the history of cloth, fiber domestication, and dress in the ancient world. Her most recent book is entitled *Cloth and Carpet in Early Inner Asia* (2011).

Ann C. Gunter is Professor of Art History, Classics, and the Humanities at Northwestern University (USA). She is the author of *Greek Art and the Orient* (2009) and co-editor, with Stefan R. Hauser, of *Ernst Herzfeld and the Development of Near Eastern Studies 1900–1950* (2005).

Basema Hamarneh received an MA in History from Moscow State University Lomonosov, a PhD in Archaeology and Postclassical Antiquity (3rd–9th centuries) from the University of Rome "La Sapienza," and a PhD with honours in Christian Archaeology from the Pontifical Institute of Christian Archaeology in Rome. She has participated in and directed several archaeological excavations: in Jordan with Studium Biblicum Franciscanum of Jerusalem and the Department of Antiquities of Jordan; in Rome with the Pontifical Institute of Sacred Archaeology; and in Milan with the University of the Sacred Heart and other institutions. She teaches at Florence State University, the State University of Central Sicily "Kore" of Enna and the Center of Middle Eastern Studies in Milan (Italy).

Lise Hannestad is a Professor of Classical archaeology at the Institute of Anthropology, Archaeology, and Linguistics at Aarhus University (Denmark) and a specialist on the Hellenistic period. She is the author of *Ikaros: The Hellenistic settlements 2*, *The Hellenistic pottery* (1983) and co-author of *Panskoye I*, Vol. 1:

The Monumental Building U6 (2002). She has written extensively on the Hellenistic world, particularly the Seleucid kingdom, and conducted fieldwork in Kuwait, the Crimea, and Greece (on Kefallenia).

Timothy P. Harrison is a Professor of Near Eastern Archaeology in the Department of Near and Middle Eastern Civilizations, University of Toronto (Canada). He is Director of the Tell Tayinat Archaeological Project and is currently President of the American Schools of Oriental Research. His publications include *Megiddo III: Final report of the Stratum VI excavations* (2004) and *Cyprus, the Sea Peoples and the Eastern Mediterranean: Regional perspectives of change and continuity* (2008).

Stefan R. Hauser is Professor of the Archaeology of ancient Mediterranean cultures and their relations to the ancient Near East and Egypt at the University of Konstanz (Germany). His publications cover a wide array of topics from 3rd millennium BC Mesopotamia to late Antiquity and early Islam. He is the editor of Die Sichtbarkeit von Nomaden und saisonaler Besiedlung in der Archäologie (2006) and co-editor, with Ann Gunter, of Ernst Herzfeld and the Development of Near Eastern Studies, 1900–1950 (2005). Forthcoming books include Status, Tod und Ritual. Stadt- und Sozialstruktur Assurs in neuassyrischer Zeit (2011) and The appropriation of nomad space: Hatra, Palmyra and the steppe.

Arnulf Hausleiter is a researcher in the Orient Department of the German Archaeological Institute (Germany) and field director of the excavations at Tayma, Saudi Arabia (German component). The author of Neuassyrische Keramik im Kerngebiet Assyriens – Chronologie und Formen (2010) and co-editor of Rituale in der Vorgeschichte, Antike und Gegenwart (2003), Material Culture and Mental Spheres (2002) and Iron Age Pottery in Northern Mesopotamia, North Syria and South-Eastern Anatolia (1999), he has also excavated in Syria, Iraq, Turkey, and Italy.

Marlies Heinz is Professor and Head of the Department of Near Eastern Archaeology, Albert Ludwigs-Universität, Freiburg (Germany). Her research focuses on power and its representation, architecture and the built environment, the use of space, non-verbal communication, and the development of knowledge in the ancient Near East. She is involved in the long-term excavations at Kamid el-Loz in Lebanon.

Barbara Helwing is Head of the Tehran Branch of the German Archaeological Institute and a Reader at the Eberhard Karls University in Tübingen (Germany). In her research, she focuses on questions surrounding early social complexity and the role of metals in this regard. Her fieldwork took her to Greece, Turkey, Syria, and Sri Lanka before she began excavating in Iran. She is the author of Hassek Höyük II. Die spätchalkolithische Keramik (2002) and has co-edited, with A. Vatandoust and H. Parzinger, Early Mining and Metallurgy on the Central Iranian Plateau: Report on the first five years of research of the Joint Iranian-German Research Project (2010).

Wouter F.M. Henkelman is a Researcher and ad interim Lecturer in the Faculty of Arts at VU University Amsterdam (The Netherlands). He also teaches at the École pratique des hautes études in Paris. His current research focus is on the Elamite texts within the Persepolis Fortification archive, a major part of which he has been commissioned to publish on behalf of the Oriental Institute of the University of Chicago. His publications include a monograph on Elamite-Iranian acculturation entitled *The Other Gods Who Are* (2008).

Thomas Hikade is Assistant Professor of Egyptology at the University of British Columbia (Canada). He is the author of *Das Expeditionswesen im ägyptrischen Neuen Reich – ein Beitrag zu Rohstoffversorgung und Außenhandel* (2001) and *Elephantine XXXV: The Lithic Industries on Elephantine Island During the 3rd Millennium BC* (2011).

Cornelia Horn is Assistant Professor of Early Christianity and Greek and Oriental Patristics in the Department of Theology at Saint Louis University (USA). She is the author of Aceticism and Christological controversy in Fifth-Century Palestine: The career of Peter the Iberian (2006) and John Rufus: The lives of Peter the Iberian, Theodosius of Jerusalem, and the Monk Romanus (2008).

Erica C.D. Hunter is Lecturer in Eastern Christianity at The School of Oriental and African Studies, University of London (UK). She has written numerous articles on Christianity in late Sasanian/early Islamic Mesopotamia and edited *The Christian Heritage of Iraq: Collected papers from the Christianity in Iraq I-V Seminar Days* (2009).

Lori Khatchadourian is an Assistant Professor in the Department of Near Eastern Studies at Cornell University (USA).

Peter Magee is Associate Professor of Archaeology at Bryn Mawr College (USA) and a Trustee of the Archaeological Institute of America. He has published widely on the archaeology of Arabia, Iran, and South Asia and is the author of *Excavations at Tepe Yahya*, *Iran 1967–1975*. *The Iron Age settlement* (2004). He has directed fieldwork at Muweilah in the United Arab Emirates since 1994 and between 1996 and 2001 he co-directed the joint British Museum excavations at Akra in the North-West Frontier Province, Pakistan.

Timothy Matney is Professor of Archaeology in the Department of Anthropology and Classical Studies at the University of Akron (USA). He co-directed the excavations at the Early Bronze Age city of Titriş Höyük from 1994 to 1999 and has been the director of the archaeological expedition to the Iron Age city of Ziyaret Tepe since 1997. His other field projects have included work in Iraq, Syria, Turkey, Azerbaijan, Israel, India, the UK, and the USA.

Augusta McMahon is Senior Lecturer in Mesopotamian Archaeology and History in the Department of Archaeology, University of Cambridge (UK). Since

2006, she has been Field Director of the Tell Brak excavations in northeast Syria. Previously she was Co-Director of excavations at Chagar Bazar, Syria, and has also excavated in Iraq, Turkey, and Yemen. She is the author of *Nippur V: The Early Dynastic to Akkadian transition* (2006) and *Once There Was a Place: Settlement archaeology at Chagar Bazar* (2009).

Abbas Moghaddam received his BA and MA in Archaeology from Tehran University and his PhD from the University of Sydney in prehistoric Archaeology (2008). He is an Assistant Professor in the Iranian Center for Archaeological Research (Iran) and an Honorary Research Associate of the University of Sydney. His research interests focus on social and economic developments in the societies of southwestern iran during the 5th and 4th millennia BC. He has conducted extensive fieldwork in Iran, especially in its southwestern lowlands. Since 2001 he has conducted a five-year archaeological survey in the Shushtar valley recording more than 619 archaeological sites. Recently he has led a prehistoric project in the Saimarreh valley of the central Zagros. He has published several articles on the archaeology of Khuzestan.

Ali Mousavi is Assistant Curator of Ancient Iranian and Near Eastern Art at the Los Angeles County Museum of Art (USA). He is the author of numerous studies in Iranian archaeology and co-editor, with David Stronach, of *Irans Erbe in Flugbildern von Georg Gerster* (2009).

Oscar White Muscarella graduated from Stuyvesant High School in 1948, received his BA from CCNY (Evening Session) in 1955 and a PhD in Classical Archaeology from the University of Pennsylvania in 1965. He held a Fullbright Scholarship at the American School of Classical Studies in Athens (1958–9). From 1960 to 1964 he taught Ancient and Medieval History at CCNY before joining the Department of Ancient Near Eastern Art at the Metropolitan Museum of Art (USA) where he worked from 1964 until his retirement in 2009. His interests and specialties include the archaeology and history of the Iron Ages in the Near East, especially in Iran and Turkey, interrelations between Greece and the Near East, and the problems associated with forgeries. His publications include site reports as well as studies of chronological and cultural matters, artifacts, and forgeries and their historical distortions.

Joan Oates is a Fellow of the British Academy and a Senior Fellow of the McDonald Institute for Archaeological Research and Girton College in the University of Cambridge (UK). She is the author of *Babylon* (1986), now published in an updated Folio Society edition (2005), and *Nimrud* (2001), and co-author of *The Rise of Civilisation* (1976), *Of Pots and Plans* (2002) and final volumes on the excavations at Tell al Rimah (1997) and Tell Brak (1997, 2001).

Bradley J. Parker is Associate Professor of Ancient Near Eastern History and Archaeology in the Department of History at the University of Utah (USA). He

is the author of *The Mechanics of Empire: The northern frontier of Assyria as a case study in imperial dynamics* (2001) as well as numerous articles and chapters about various aspects of the history and archaeology of the Ancient Near East.

Friedhelm Pedde is Associate Curator in the Metropolitan Museum of Art (USA). He is the author of *Keramik aus Nord-Belutschistan* (1993), three volumes in the series *Ausgrabungen in Uruk-Warka Endberichte* (1992, 1995, 2000), *Vorderasiatische Fibeln* (2000), and *Der Alte Palast in Assur* (2008).

Cameron A. Petrie is the Lecturer in South Asian and Iranian Archaeology at the University of Cambridge (UK). He is co-editor of the journal *Iran*, editor and co-author of *Sheri Khan Tarakai and Early Village Life in the North-West Pakistan* (2010), and co-editor and co-author of *The Mamasani Archaeological Project Stage One: A report on the first two seasons of the ICAR – University of Sydney Joint Expedition to the Mamasani District, Fars Province, Iran* (2nd edn., 2009).

Peter Pfälzner is Professor of Near Eastern Archaeology in the Institute for Ancient Near Eastern Studies at the Eberhard Karls University in Tübingen (Germany). He has had a leading role in many field projects, most particularly the German components of the long-term excavations at Tell Mozan and Qatna. He is also undertaking a multi-country, ethno-archaeological investigation of settlement and house forms in West Africa with a view to the study of similar topics from the Neolithic through the Bronze Age in the ancient Near East.

Gregory L. Possehl[†] (d. 2011) was Professor Emeritus in the Department of Anthropology, University of Philadelphia, and Curator Emeritus at the University of Pennsylvania Museum (USA). He excavated a number of sites of the Indus Civilization and worked at the 3rd millennium BC site of Bat in the Sultanate of Oman. He was the author of Harappan Civilization: A recent perspective (1993, 2nd rev. edn); Indus Age: The writing system (1996); Indus Age: The beginnings (1999); and The Indus Civilization: A contemporary perspective (2002).

D.T. Potts is the Edwin Cuthbert Hall Professor of Middle Eastern Archaeology at the University of Sydney (Australia). He has written widely on the archaeology of Iran, Mesopotamia, and the Arabian peninsula, and is the founding editor of *Arabian Archaeology & Epigraphy*. His most recent book is *Mesopotamia*, *Iran and Arabia from the Seleucids to the Sasanians* (2010).

Wendy Reade has a PhD from the University of Sydney, a Bachelor of Applied Science in the Conservation of Cultural Material from Canberra University, and a Graduate Diploma in Ancient Documentary Studies from Macquarie University (Australia). She specializes in the scientific analysis of ancient glasses, Egyptian and Near Eastern archaeology, and the conservation of archaeological material. She has taught courses on the scientific analysis of ancient materials and on Egyptian archaeology at the University of Sydney, where she is currently employed at the Centre for Classical and Near Eastern Studies of Australia.

Christopher H. Roosevelt received his PhD in 2003 from Cornell University and is currently an Associate Professor of Archaeology at Boston University (USA). He is the author of *The Archaeology of Lydia, from Gyges to Alexander* (2009) and numerous articles on the archaeology of western Anatolia, where he directs the Central Lydia Archaeological Survey.

Steven A. Rosen is the Canada Professor of Archaeology at Ben-Gurion University (Israel). He is the author of Lithics After the Stone Age (1997), The 'Oded Sites: Investigations of two early Islamic pastoral camps south of the Ramon Crater (with G. Avni, 1997), Archaeological Survey of Israel Map of Makhtesh Ramon (204) (1994), and co-editor, with V. Roux, of Techniques and People: Anthropological perspectives on technology in the archaeology of the proto-historic and early historic periods in the southern Levant (2009). Since 2006 he has been editor of the Journal of the Israel Prehistoric Society.

Lynne M. Rouse is a PhD candidate in the Department of Anthropology at Washington University in St Louis (USA). Her PhD thesis focuses on the role of pastoralist communities in the Bronze Age political economy of Central Asia, specifically in the Murgab Delta of Turkmenistan. In addition, she has carried out extensive fieldwork in Kazakhstan and Jordan.

Klaus Schmidt is responsible for Near Eastern prehistory in the Orient Department of the German Archaeological Institute and Extraordinary Professor at the University of Erlangen-Nürnberg (Germany). He is head of the Institute's Urfa Project and director of excavations at Göbekli Tepe. He is the author of Norşuntepe. Kleinfunde 1. Die lithische Industrie (1996), Norşuntepe. Kleinfunde 2. Artefakte aus Felsgestein, Knochen und Geweih, Ton, Metall und Glas (2002) and Sie bauten die ersten Tempel. Das rätselhafte Heiligtum der Steinzeitjäger (2007).

Steven E. Sidebotham is Professor of Classical Archaeology and Ancient History at the University of Delaware (USA). He is author of *Roman Economic Policy in the Erythra Thalassa 30* BC–217 AD (1986), *Berenike and the Ancient Maritime Spice Route* (2011), co-author of *The Red Land: The illustrated archaeology of Egypt's Eastern Desert* (2008) and co-editor/co-author of seven volumes on the excavations at Berenike, Egypt. He is co-director of the ongoing American-Polish excavations at Berenike.

Alan H. Simmons is Distinguished Professor of Anthropology at the University of Nevada, Las Vegas (USA). He has more than 35 years of field and research experience throughout the Near East, and has worked in Cyprus, Egypt, Israel, Jordan, and Lebanon. He has published extensively on this research, much of which is summarized in *The Neolithic Revolution in the Near East: Transforming the human landscape* (2007), which received the G. Ernest Wright Award from the American Schools of Oriental Research in 2010.

Adam T. Smith is Professor of Anthropology at Cornell University (USA). He is the author of *The Political Landscape: Constellations of authority in early complex polities* (2003) and co-author, with Ruben Badalyan and Pavel Avetisyan, of *The Archaeology and Geography of Ancient Transcaucasian Societies*, Vol. I: *The foundations of research and regional survey in the Tsaghkahovit Plain, Armenia* (2009).

Margareta Tengberg is a lecturer in Archaeobotany at the University Paris 1, Panthéon-Sorbonne (France). As a specialist in the study of botanical macroremains (wood, seeds, fruits), she is involved in numerous archaeological projects in eastern Arabia, Iran, and Central Asia. Her fields of interest are vegetation history and the evolution of agriculture in arid environments, with a particular focus on the origin and development of date palm garden or oasis cultivation in the Middle East.

Christopher P. Thornton is currently a Consulting Scholar of the University of Pennsylvania Museum and a Lecturer at George Mason University (USA). He has published a number of papers on ancient metallurgy and on prehistoric Iran, and is currently carrying out fieldwork in the Sultante of Oman.

Jason Ur is the John L. Loeb Associate Professor of the Social Sciences in the Department of Anthropology at Harvard University. He is the author of *Urbanism and cultural landscapes in northeastern Syria: The Tell Hamoukar Survey*, 1999–2001 (2010).

Lloyd Weeks is an Associate Professor at the University of Nottingham (UK). He has conducted extensive archaeological fieldwork in the Arabian peninsula and Iran and is the author of *Prehistoric Metallurgy of the Persian Gulf: Technology, trade and the Bronze Age world* (2003) and editor of *Death and Burial in Arabia and Beyond: Multidisciplinary perspectives* (2010).

T.J. Wilkinson has held positions as Assistant Director of the British Archaeological Expedition to Iraq; Research Associate (Associate Professor), Oriental Institute, University of Chicago; and Lecturer and Professor in the Department of Archaeology, University of Edinburgh. He is currently a Professor in the Department of Archaeology, Durham University (UK). His book *Archaeological Landscapes of the Near East* (2003) received the Book Prize of the Society for American Archaeology (2004) and the Wiseman Book Award of the Archaeological Institute of America (2005).

George Willcox is a Director of Research with the Centre national de la recherche scientifique (France) with which he has been associated since 1989. Together with A. Damania, J. Valkoun, and C. Qualset, he co-edited *The Origins of Agriculture and Crop Domestication* (1999).

Preface

Near Eastern archaeology is an expanding field. Although non-specialists may be forgiven for thinking that two Gulf wars, the overthrow of Saddam Hussein, the Soviet invasion and subsequent Taliban takeover of Afghanistan, or the Iranian Revolution must have slowed the production of knowledge about the archaeology and early history of this part of the world, this is only true up to a point. Revolutions, wars, embargoes, and diplomatic crises have always had an impact on the course of ancient Near Eastern research, but never have they stopped it entirely. In the mid-19th century the Crimean War temporarily brought a halt to fieldwork in Assyria, and the wars of the 20th and early 21st century have had a similar effect. But fieldwork is not essential for the appearance of new laboratory analyses or basic publications of already excavated material, any more than it is for the re-evaluation of old hypotheses or the generation of new ones. The sheer number of scholars engaged today in some aspect of Near Eastern archaeology is greater than ever, as is the annual output of books and articles in scholarly journals, and a quick look at the bibliography of these two volumes should dispel any notion of a slowing in the production of scholarship on ancient Near Eastern archaeology in recent years. Indeed, the explosion of knowledge and its diversity are perhaps the prime justifications for bringing out the present work.

Diversity takes many forms. It is obvious, from a quick look through the table of contents, that Near Eastern archaeology is characterized by a staggering diversity of subject matter and specializations; this *Companion* has been designed to reflect the enormous variety of Near Eastern archaeological scholarship by providing as comprehensive an overview as possible of the ancient Near East from the end of the last Ice Age to Late Antiquity. When this project was first conceived, a plan was drawn up that effectively covered the entire Near East, from the eastern Mediterranean to the Iranian Plateau, with chapters covering all the major chronological periods and many of the most important individual cultures. Although