RESURRECTING POMPEII

Estelle Lazer

ROUTLEDGE

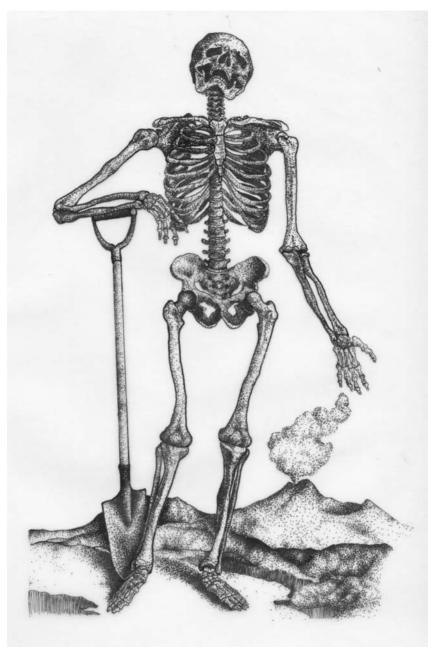
RESURRECTING POMPEII

Pompeii has been continuously excavated and studied since 1748. Early scholars working there and in other sites associated with the AD 79 eruption of Mount Vesuvius were seduced by the wealth of artefacts and wall paintings yielded by the site, meaning that the less visually attractive evidence, such as human skeletal remains, was largely ignored, and its archaeological value unrecognized and compromised.

A number of skeletons were used as props for vignettes of the tragic last moments of the victims, made to impress dignitaries visiting the site. They were also used to creatively reconstruct the lives of the victims in literary works, such as Edward Bulwer-Lytton's 1834 novel *The Last Days of Pompeii*, where the skeletal evidence is presented through storytelling with a thin veneer of science. This work in particular has had a profound influence and has driven the agenda of many Pompeian and Campanian skeletal studies into the twenty-first century.

Recognizing the important contribution of the human skeletal evidence to the archaeology of Pompeii and studying the reasons for the scientific neglect of the human remains, *Resurrecting Pompeii* provides detailed information about what the skeletal record can actually provide. Estelle Lazer demonstrates that the biological evidence does not support the detail of the stories that have been told to date, but it does yield tantalizing glimpses into the lives and deaths of the victims, providing students of archaeology and history with an essential resource in the study of this fascinating historical event.

Estelle Lazer is an Honorary Research Associate at the University of Sydney. Her research interests include forensic archaeology and Antarctic cultural heritage management. She has spent seven field seasons working on the human skeletal remains at Pompeii.



Frontispiece With apologies to Vesalius – adapted from Vesalius' first book of the De Humani Corporis Fabrica c. 1543 (Reproduced in Saunders and O'Malley, 1982, 85).

RESURRECTING POMPEII

Estelle Lazer



First published 2009 by Routledge

2 Park Square, Milton Park, Abingdon, Oxon OX14 4RN

Simultaneously published in the USA and Canada by Routledge 270 Madison Ave, New York, NY 10016

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

This edition published in the Taylor & Francis e-Library, 2009.

To purchase your own copy of this or any of Taylor & Francis or Routledge's collection of thousands of eBooks please go to www.eBookstore.tandf.co.uk.

© 2009 Estelle Lazer

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.

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 Lazer, Estelle.

Resurrecting Pompeii / Estelle Lazer.

p. cm. Includes bibliographical references and index.

1. Pompeii (Extinct city) 2. Excavations (Archaeology)—Italy—Pompeii (Extinct city) 3. Human remains (Archaeology)—Italy—Pompeii (Extinct city) 4. Naples Region (Italy)—Antiquities. I. Title.

DG70.P7L39 2008 937'.7256807-dc22 2008047753

ISBN 0-203-88516-3 Master e-book ISBN

ISBN13: 978-0-415-26146-3 (hbk) ISBN13: 978-0-203-88516-1 (ebk)

FOR RUTH, ASHER, CAROL, SIMON, JENNIFER, MEGAN AND SUZANNE

CONTENTS

	List of figures	ix
	List of tables	xiii
	Acknowledgements	XV
	Introduction: Making sense of death	1
	ART I he last days of Pompeii	3
1	Skeletons as artefacts	5
2	An Egyptian interlude	36
3	An anthropological resource	47
4	Context of a mass disaster	66
	ART II he victims	97
		•
5	The nature of the evidence	99
6	Attribution of sex	117
7	Determination of age-at-death	138
8	General health and lifestyle indicators	167
9	The population	221

CONTENTS

10	The casts	247
11	Making sense	265
	Glossary	272
	Appendix 1: Historical overview of excavations in Campania	284
	Appendix 2: Terms associated with anatomical orientation	289
	Appendix 3: Diagrams	291
	Notes	296
	Bibliography	348
	Index	381

FIGURES

Note that photographs and drawings are by the author, unless otherwise stated.

Fron	tispiece: With apologies to Vesalius – adapted from Vesalius'	
	first book of the De Humani Corporis Fabrica c. 1543	
	(Reproduced in Saunders and O'Malley, 1982, 85)	ii
1.1	Fugitives from the Casa di Stabianus in Region 1, Insula 22,	
	found in the ash layer above the lapilli of the first	
	eruption phase	10
1.2	Detail of skeletons displayed in Room 19, Casa del Menandro	
	(I, x, 4). Note the bronze lantern and the reconstructed wooden	
	shafts of the pick and hoe	11
1.3	Skeletons displayed in Room 19, Casa del Menandro (I, x, 4)	13
1.4	Illustration by Lancelot Speed from an 1897 edition of The Last	
	Days of Pompeii by Edward Bulwer-Lytton	16
1.5	Illustration by Lancelot Speed of a priest from the Temple of	
	Isis from an 1897 edition of The Last Days of Pompeii by	
	Edward Bulwer-Lytton	17
1.6	Illustration by Lancelot Speed of the main protagonists of	
	The Last Days of Pompeii by Edward Bulwer-Lytton	20
1.7	Illustration by Clérice Frères from a French edition of	
	The Last Days of Pompeii, published in 1936	21
3.1	Illustration of the Pompeian Type as identified by Nicolucci	
	from Pompeian wall paintings	53
4.1	Detail of one of the fugitives from the Casa di Stabianus	
	(I, xxii), demonstrating the stratigraphy with the victim clearly	
	situated in the ash layer above the lapilli of the first	
	eruption phase	86
4.2	Cast of the so-called 'Lady of Oplontis', which displays a	00
1.2	'pugilistic' pose	88
4.3	The pose of this cast from the <i>Orto dei Fuggiaschi</i> (Garden of the	00
T. J	Fugitives) (I, xxi) has been interpreted as an example of	
		89
	cadaveric spasm	09

LIST OF FIGURES

5.1	Human skeletal remains stored in the Terme del Sarno	
	(VII, ii, 17) as they appeared in 1987	101
5.2	Box of bone hinges stored in Pompeii	105
5.3	Sorted piles of bones in the Terme del Sarno (VII, ii, 17)	108
5.4	V-scores for glabello-occipital length	112
5.5	V-scores for maximum frontal breadth	113
5.6	V-scores for bizygomatic breadth	114
6.1	Frequency histogram showing sex attribution based on the	
	ventral arc	124
6.2	Frequency histogram of the factor scores for the first	
	principal component of the pelvic non-metric traits used	
	for the determination of sex	124
6.3	Frequency histogram of sex attribution based on the	
	auricular area	125
6.4	Frequency histogram of the non-standardized factor scores of	
	the humerus measurements	127
6.5	Frequency histogram of the maximum length of the femur	128
6.6	Scattergram of the two sex indices for non-metric	
	skull features	129
6.7	Frequency histogram of the factor scores of the first principal	
	component identified from analysis of the observations from the	
	mandible for the determination of sex	132
7.1	Sex separated Suchey-Brooks scores for the Pompeian	
	adult sample	146
7.2	Estimated adult age-at-death based on ectocranial lateral-	
	anterior suture closure scores (EctsutA)	147
7.3	Estimated adult age-at-death based on ectocranial vault suture	
	closure scores (EctsutB)	148
7.4	Maxilla of an individual (NS 86: 1), who was excavated in	
	1986, displaying severe tooth attrition	150
7.5	Mandible of the same individual (TF NS 86: 1), showing	
	severe tooth attrition	151
7.6	Basalt mill for grinding flour	151
8.1	Large sinus for abscess drainage (TF NS 86: 1). This abscess	
	formed as a result of severe attrition (7.4), where tooth wear	
	was so great that the pulp cavity was exposed to the air,	
	making it susceptible to bacterial infection	174
8.2	Lateral view of skull showing excessive build-up of calculus on	
	tooth adjacent to an abscessed tooth (TF 6)	177
8.3	View of maxilla from below showing excessive build-up of	
	calculus on tooth adjacent to an abscessed tooth (TF 6)	177
8.4	Healed fracture of a right femur (TdS R 11) with associated	
	osteomyelitic lesions in the form of sinuses on the	
	bone surface	187

LIST OF FIGURES

8.5	Right tibia and fibula from one individual (TdS #28.1) with	
	healed compound fractures exhibiting pronounced	
	displacement and override at the midshaft of the bone	188
8.6	Healed depressed fracture of a skull (TdS 199), displaying	
	involvement of both the inner and outer tables. View of the	
	outer table	189
8.7	Inner table of a skull (TdS 199) with a healed depressed	
	fracture	189
8.8	Healing trauma, interpreted as a trephination on the skull of	
	individual (TF 74) with hyperostosis frontalis interna	191
8.9	An apparent case of diffuse idiopathic skeletal hyperostosis	
	(DISH) observed on thoracic vertebrae associated with	
	TdS NS: 1	201
8.10	Inner table of the frontal bone of a skull (TdS 80) displaying	
	moderate hyperostosis frontalis interna (HFI)	204
8.11	Inner table of the frontal bone of a skull (TdS 28) displaying	
	pronounced hyperostosis frontalis interna (HFI)	204
8.12	View through the foramen magnum of a skull (TF SND)	
	displaying extensive hyperostosis frontalis interna (HFI)	205
9.1	Facial view of skull, showing some of the non-metric traits that	
	were observed in the Pompeian skeletal sample	224
9.2	Lateral view of skull showing some of the non-metric traits	
	observed in the Pompeian skeletal sample	225
9.3	Basilar view of skull, showing a strongly expressed palatine	
	torus on the bony palate (cf. Figure A3.4 where this trait is	
	absent)	229
9.4	Anterior view of distal portions of two tibiae with medial and	
	lateral squatting facets on the left and an absence of facets on	
	the right	244
10.1	Cast of a very young victim from the Casa del Bracciale d'Oro	
	(VI, xvii, 42), which was found with three other victims	
	between 3 and 6 June 1974. It displays a high degree of	
	preservation of the facial features and clothing details	249
10.2	Two of the first bodies successfully cast in 1863	250
10.3	Cast of a man with sandals, generally assumed to be	
	a beggar	252
10.4	Cast of a fugitive found near the latrine of the large palaestra	
	(II, 7), commonly interpreted as a muleteer	253
10.5	The seventh cast was made on 25 September 1873, during the	
	excavation of a garden (1, v, 3)	255
10.6	Casts of two of the three victims that were cast on a staircase	
	in the Villa di M. Fabius Rufus (VII, Ins. Occ., 16–19) in	
	November 1961	256
10.7	Illustration of the ninth individual to be cast by Fiorelli	257

LIST OF FIGURES

10.8	The ninth cast of a victim from Pompeii was made in Insula	
	VI, xiv on 23 April 1875	257
10.9	Cast of dog from the Casa di Orfeo, also known as the House of	
	Vesonius Primus (VI, xiv, 20)	259
10.10	Cast of pig from the Villa Regina, Boscoreale	259
10.11	Epoxy resin cast from Oplontis	262
10.12	X-ray of the pelvis demonstrating female features; especially	
	notable is the wide angle of the sciatic notch. Also note the	
	post-mortem fracture of the left proximal end of the femur	262
10.13	X-ray of skull, showing open mouth, fused epiphyses at the	
	medial end of the clavicle and post-mortem fracture of left	
	proximal humerus. Note the contents of the purse held in the	
	left hand are reproductions	263
10.14	Dental x-rays	264
A2.1	Anatomical orientation	289
A3.1	Superior view of the skull showing sutures	291
A3.2	Frontal view of the skull	292
A3.3	Lateral view of the skull	293
A3.4	Basilar view of the skull	294
A3.5	Skeleton, with apologies to Vesalius	295

TABLES

6.1	Scoring system for the determination of sex from observations	120
7.1	on bones Mean ages associated with the phases of the Suchey–Brooks	120
/ • 1	ageing system from the pubic symphysis	141
7.2	Modified standard scoring scheme for the attribution of relative	141
1.2	age-at-death	142
7.3	Age distribution of the Pompeian sample, based on the pelvis	145
7.4	Age distribution based on the Suchey–Brooks technique (note	/
	male and female scores have been pooled)	145
7.5	Age determination based on eruption of dentition	152
7.6	Age determination by AttA	152
7.7	Age determination by AttB	152
7.8	Age-at-death determination from skulls examined by	
	D'Amore et al	160
7.9	Age-at-death determination from the skull sample studied by	
	Nicolucci	160
7.10	Age-at-death estimates by Henneberg and Henneberg	161
7.11	Age distribution of the Herculaneum skeletal sample studied	
	by Bisel	163
7.12	Age distribution of the Herculaneum skeletal sample studied	
	by Capasso	164
7.13	Age distribution as calculated by Petrone et al	165
8.1	Stature estimates based on Pompeian femora	182
8.2	Stature estimates for the Herculaneum skeletal sample and a	
	modern Neapolitan sample	183
9.1	Presence of palatine torus in various populations	230
9.2	Frequency of palatine torus from Scandinavian archaeological	
	samples	230
9.3	Frequencies of mandibular double-rooted canines in	
	various regions	232
9.4	Frequency of metopic suture in various populations	234
9.5	Frequency of inca bones in various populations	235

LIST OF TABLES

9.6	Presence of ossicle at lambda in various populations	238
9.7	Side incidence of lambdoid ossicles in various populations	239
9.8	Cranial incidence of lambdoid ossicles in various populations	240
9.9	Side incidence of coronal ossicles in various populations	241
9.10	Cranial incidence of coronal ossicles in various populations	241
9.11	Frequency of ossicle at bregma in various populations	242
9.12	Presence of sagittal ossicles in various populations	242
9.13	Side incidence of ossicle at asterion in various populations	243
9.14	Cranial incidence of ossicle at asterion in various populations	243

ACKNOWLEDGEMENTS

It is not possible to adequately acknowledge the numerous people who have assisted and encouraged me during the course of the research and the writing of this book, but the following must be mentioned.

I would like to thank the current Superintendent of Pompeii, Professor Pier Giovanni Guzzo, for his continued permission to obtain access to skeletal material and for his generous support of this work and for granting me permission to reproduce photographs I have taken of skeletal material on site. Thanks are also due to the previous Superintendent, Professor Baldassare Conticello, for initially granting me permission to work on the human skeletons from Pompeii. I am grateful to all the staff at the *Soprintendenza Archeologica di Pompei*, in particular, Dr Antonio D'Ambrosio, Grete Stefani, Dr Antonio Varone, Vittorio Boccia, Vincenzo Matrone and Mattia Buondonno. The custodians who facilitated my research deserve a special mention, most notably the late Luigi Matrone and Ciro Sicignano, as well as Franco Striano.

Professor Andrew Wallace-Hadrill, Head of the British School at Rome and leader of the Herculaneum Conservation Project, has provided endless support and assistance, for which I am extremely grateful. I would also like to thank the Herculaneum Conservation Project Manager, Jane Thompson, and research and outreach coordinator, Sarah Court, for their patience in answering questions about the ethics and management of the human skeletal remains at Herculaneum.

I am beholden to Emeritus Professor Richard Green, from the Department of Classical Archaeology at the University of Sydney, for suggesting that I write this book and for his unfailing support and encouragement during the writing process.

I am very much indebted to the Discipline of Architectural Science in the School of Architecture, Design and Planning for appointing me as an Honorary Research Associate. The level of collegiality has been wonderful and I am particularly grateful to Dr Simon Hayman for his assistance with the statistical analysis of the data, as well as his comments and criticism of the text, and to Dr Jennifer Gamble, for her acts of gratuitous kindness, especially with regard to the seemingly endless task of referencing the work. I

ACKNOWLEDGEMENTS

also want to express my gratitude to Megan Haig and Suzanne Roberts for their comments and criticism of the text. I deeply regret that Emeritus Professor Henry J. Cowan did not live to see the manuscript completed. He was a wonderful mentor to me. I would also like to thank the excellent IT team, Julian Tam, Joe Nappa and Leslie George, for their continuous assistance throughout the project. Thanks are also due to Bruce Forwood, Professor Warren Julian, Dr David Leifer, Professor Richard Hyde, Kim Beecroft, Mark Neil, Sharon Dubos, Jennifer Ryan, Dr Densil Cabrera, Sharon Perritt, Dr onacloV, Anne Christian, Rick Moss, Phil Granger, Ken Stewart, John Elliot and Bruce Hyde for their continued support and assistance.

This work could not have been completed without the support of the staff of the former Architecture Library (now SciTech library), who could not have been more helpful. They always treated my more obscure requests for interlibrary loans as a challenge rather than a nuisance. Particular mention must be made to Lise Roberts, Michael Arndell, Lindy Collien, Margaret Harvey, Helen Campbell, Dr John Wu, Michelle Harrison, Rebecca Goldsworthy, Elizabeth Quilty, Michael David Hoggard, Lily Li and Sue Gong.

Friends and colleagues across the University of Sydney also made a significant contribution to this work, especially Dr Sarah Colley from Archaeology, Dr Kathryn Welch from Ancient History and Monika Dzidowska from Psychology. Dr Murray Smith, then of Econometrics, generously provided assistance with the statistical analysis of the data and Associate Professor Cedric Shorey guided my training in anatomy.

Special mention must be made of the team of people who were involved in the x-ray analysis of the cast of the 'Lady of Oplontis' in 1994. My thanks especially go to the late Dr Mario Benanzio, orthopaedic surgeon, who helped me apply for permission to do this work, organized logistic support and assisted with the interpretation of the x-rays, Dr Michael Houang, radiologist, who provided access to the x-ray and CT-scanning facilities, x-ray film, radiographic support and interpretation of the x-rays, and Dr Chris Griffiths, of the then NSW Forensic Institute for organizing the dental x-rays and their interpretation. I appreciate their provision of permission to reproduce some of these x-rays in this book. Thanks are also due to Ian White, from the then NSW Forensic Institute, Dr Greg Doran, then from Anatomy and Histology, University of Sydney, and the team of radiographers. The staff at the Australian Museum, where the body was housed as part of the travelling exhibition, Rediscovering Pompeii, were wonderful in providing logistical support, especially Ross Clendenning, Colin MacGregor, Liz Wilson and Liz Pearson.

Numerous scholars generously provided me with information and advice, including forensic dentists, Dr Alain Middleton and Dr Sue Cole, as well as forensic pathologist, Dr Chris Lawrence, Professor Marshall Becker from West Chester University, USA, Dr Corinne Duhig, University of Cambridge, Dr Jonathon Musgrave, then from Anatomy, University of Bristol, Professor Valerie Higgins of the American University of Rome, Dr Vincenzia Iorio, then of

ACKNOWLEDGEMENTS

Pompeii, Dr Penelope Allison, University of Leicester and Amanda Claridge and Professor Grahame Barker, former Deputy Director and former Director of the British School at Rome. I am eternally grateful to Professor Emeritus Peter Garnsey, Department of Classics, for his continued encouragement and support.

For their endless patience and continuous assistance, I would like to thank Richard Stoneman, Amy Laurens and particularly Lalle Pursglove, who saw the book to completion.

Finally, I would like to express gratitude to my family and friends for their moral support and comments and criticism of the text. In particular, I would like to thank Ruth, Asher and Dr Carol Lazer, Ian Chapman, Vicki Parish, Sean Volke and Leigh Dayton.

INTRODUCTION

Making sense of death

As humans, we suffer from the double whammy of being both sentient and mortal. We may attempt to defy our chronological age with Botox and plastic surgery, but whatever we do, we will eventually die. Death is a taboo subject in modern Western society and has largely been removed from view. Denial does not change the fact that our ultimate demise is an unavoidable rite of passage. The most common question I overheard from passing tourists during my years of fieldwork in Pompeii was, 'So where are the dead bodies?' Perhaps this can be interpreted as a recognition of a need to view one's fate rather than just a gratuitous act of voyeurism.

The human remains from Pompeii have always been a major attraction for visitors to the site. They have been one of the key factors that separated Pompeii from Herculaneum, which did not have a culture of bodies due to the minimal number of skeletons found there before the 1980s. There are several reasons for the fascination with the remains of individuals who perished in a mass disaster almost two millennia ago. One of the most important is that the event that killed the victims was also responsible for preserving their living context, from the most humble domestic items to substantial, largely intact structures. Another is that the negative forms of a number of bodies were preserved, which when cast, can provide a detailed image of individuals at the time of their death. Visitors can gaze at death without seeing the actual body. These human remains are also more accessible than those from other contexts. like Egyptian tombs or plague pits. This is because Pompeii is an aboveground site where we can see all the minutiae that made up a lifestyle to which a modern Western person could easily relate. Ultimately, the human remains from Pompeii are compelling because of their context. They are not too confronting because they are removed by time and, in the case of casts, they present a tangible reflection of identifiable individuals without the disturbing reality of soft tissue.

This book explores the fascination with human remains from Pompeii from the first discovery of skeletons in the eighteenth century to the realization that the forms of the bodies were also preserved.

The first part of the book considers why there was so much interest in this material and yet only minimal research was undertaken until the latter part of the twentieth century. The sample of available skeletons was severely compromised, partly because a number of the skeletons were used to create

INTRODUCTION

vignettes of the tragic last moments of victims. Initially, human remains were not considered to have much other value than as props, both physically and for the creative reconstruction of the lives of the victims. There was no appreciation of their intrinsic research value. As a result, many of the skeletons were disarticulated over time and stored in ancient buildings.

The second part of the book deals with the information that the skeletal material and casts can provide. It is particularly concerned with the problems associated with a compromised sample. Some scholars abandoned this material as a result of the post-excavation dismembering of the collection. The value of the Pompeian material was also considered to be diminished by the discovery of a large number of skeletons in the nearby site of Herculaneum in the 1980s. Despite their proximity and destruction as a result of the AD 79 eruption of Mt Vesuvius, Pompeii is essentially a different site and the finds from one cannot be seen as interchangeable with the other. The Pompeian material provides unique information and with some effort yields incomplete but tantalizing glimpses into the lives and deaths of the inhabitants of this town.

This book is more about storytelling and investigative procedure than an attempt to produce the definitive work on the human remains from Pompeii. The most vital part of the process of studying human skeletal material is the collection of basic data from measurements and observations. These data and their use to establish the sex ratio, range of ages-at-death, general health and population affinities of the sample, provide baseline information that underpins all future studies of the material at the macroscopic, microscopic and molecular level. The limitations of the techniques and the problems associated with dealing with biological material are also discussed. Some of the recent literature on the Vesuvian sites gives the impression that the evidence provides us with more certain information about the past than is actually the case. Knowledge of the limitations of the evidence and the techniques that are used for its interpretation is an essential tool for an assessment of claims about the victims of the eruption. The level of information presented enables the non-specialist to appreciate the degree of uncertainty associated with skeletal identification and should help determine when the evidence has been pushed beyond its potential and speculation begins.

The approach taken in this book is multidisciplinary. There is no assumed specialist knowledge and, while this is not a textbook, the information required to understand and critically assess this and other works, especially in osteoarchaeology, is explained in detail in the text. A glossary and illustrations have been included to make the book easy for the non-specialist to use without having to resort to other sources.

Ancient sources

- Anonymous, 'The Etna Poem', in *Minor Latin Poets in Two Volumes, Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1982.
- Augustus, 'Ius Trium Liberorum', in *The Oxford Classical Dictionary*, ed. Hammond, N.G.L. and H.H. Scullard. Oxford: Oxford University Press, 1970.
- Celsus, 'De Medicina', in *Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1938.
- Dio Cassius, 'Dio's Roman history', in *Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1914–27.
- Diodorus Siculus, 'Diodorus Siculus', in *Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1933–67.
- Martial, 'Epigrammata: English and Latin Selections'. London: Hart-Davis, MacGibbon, 1973.
- Ovid, 'The Art of Love', in Loeb Classical Library. Cambridge, Massachusetts: Harvard University Press, 1957.
- Plautus, 'The Haunted House', in *Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1957.
- Pliny the Elder, 'Natural Histories', in *Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1938/1962.
- Pliny the Younger, 'Letters and Panegyrics', in *Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1969.
- Plutarch, *Makers of Rome: Nine Lives*. Translated by Scott-Kilvert, I. Harmondsworth, England: Penguin, 1965.
- Seneca, 'Naturales Quaestiones', in Loeb Classical Library. Cambridge, Massachusetts: Harvard University Press, 1972.
- Strabo, The Geography. Translated by Jones, H.R., Loeb Classical Library. Cambridge, Massa-chusetts: Harvard University Press, 1988.
- Suetonius, 'The Twelve Caesars'. Middlesex: Penguin, 1957.
- Tacitus, 'Annals of Imperial Rome'. Middlesex: Penguin, 1971.
- Vitruvius, 'De Architectura', in *Loeb Classical Library*. Cambridge, Massachusetts: Harvard University Press, 1934.

References

- Anonymous, Documentazione nell'opera di disengnatori e pittori dei secoli XVII e XIX, 1990.
- Adam, J.-P., 'Observations techniques sur les suites du séisme de 62 à Pompéi', in *Tremblements de Terre, Éruptions Volcaniques et Vie des Hommes dans la Campanie Antique*, ed. Albore Livadie, C. Naples: Centre Jean Bâerard, 1986, 67–87.
- Adams, W.H.D. The Buried Cities of Campania, or, Pompeii and Herculaneum: Their History, Their Destruction, and Their Remains. London: T. Nelson & Sons, Paternoster Row, 1868.
- Ahlqvist, J. and D. Damsten, 'A modification of Kerley's method for the microscopic determination of age in human bone', *Journal of Forensic Sciences*, Vol. 14, 1969: 205–12.
- Alexander, J.W., 'The impact of discoveries', in *The Buried Cities and the Eruption of Vesuvius: The 1900th Anniversary*, ed. Benario, H.W. and G.W. Lawall. Amherst: NECN & University of Massachusetts, 1979, 23–29.
- Allison, P.M., 'Artefact assemblages: Not the "Pompeii Premise", in *Papers of the Fourth Conference of Italian Archaeology, University of London*, 1990, ed. Herring, E., R. Whitehouse and J. Wilkins. London: Accordia Research Centre, 1992a, 49–56.
- ——'The Distribution of Pompeiian House Contents and Its Significance. Vols. I and II', unpublished PhD thesis, School of Archaeology, Classics and Ancient History. Sydney: The University of Sydney, 1992b.
- ——'On-going seismic activity and its effects on the living conditions in Pompeii in the last decades', in *La Regione Vesuviana dal 62 al 79 d.C.: Problemi Archeologici e Sismologici*, ed. Frölich, T. and L. Jacobelli. Munich: 1995, 162–69.
- —— 'Placing individuals: Pompeian epigraphy in context', Journal of Mediterranean Archaeology, Vol. 14, No. 1, 2001: 53–74.
- ——'Recurring tremors: The continuing impact of the AD 79 eruption of Mt Vesuvius', in *Natural Disasters and Cultural Change*, ed. Torrence, R. and J. Gratton. London: Routledge, 2002, 107–25.
- ——Pompeian Households: An Analysis of the Material Culture, Monograph 42. Los Angeles: Cotsen Institute for Archaeology, University of California, 2004.
- Amery, C. and B. Curran, The Lost World of Pompeii. London: Frances Lincoln, 2002.
- Anderson, B.E., 'Ventral arc of the os pubis: Anatomical and developmental considerations', *American Journal of Physical Anthropology*, Vol. 83, 1990: 449–58.
- Anderson, T., 'An Anglo-Saxon case of hyperostosis frontalis interna', Archaeologia Cantiana, Vol. 112, 1993: 253–59.
- Andreau, J., 'Il terremoto del 62', in Pompei 79: Raccolta di Studi per il Decimonono Centenario dell'Eruzione Vesuviana, ed. Zevi, F. Naples: Gaetano Macchiaroli, 1979, 40–44.
- Andrews, I., Pompeii, Cambridge Introduction to the History of Mankind. Cambridge: Cambridge University Press, 1978.
- Angel, J.L., 'A racial analysis of the ancient Greeks: An essay on the use of morphological types', *American Journal of Physical Anthropology*, Vol. 2, 1944: 329–76.
- ---- 'Skeletal material from Attica', Hesperia, Vol. 14, 1945: 279-363.
- ——'Skeletal change in ancient Greece', American Journal of Physical Anthropology, Vol. 4 1946: 69–97.
- —— 'Porotic hyperostosis, anemias, malarias and marshes in the prehistoric Eastern Mediterranean', Science, Vol. 153, 1966: 760–63.
- "Porotic hyperostosis or osteoporosis symmetrica", in *Diseases in Antiquity*, ed. Brothwell, D.R. and A.T. Sandison. Springfield, Illinois: Charles C. Thomas, 1967, 378–89.

- —— 'The bases of palaeodemography', American Journal of Physical Anthropology, Vol. 30 1969a: 427–37.
- —— 'Palaeodemography and evolution', American Journal of Physical Anthropology, Vol. 31 1969b: 343–53.
- ——'Ecology and population in the Eastern Mediterranean', World Archaeology, Vol. 4, 1972: 88–105.
- Angel, J.L., J.O. Kelley, M. Parrington and S. Pinter, 'Life stresses of the free black community as represented by the First African Baptist Church, Philadelphia, 1823–41', American Journal of Physical Anthropology, Vol. 74, No. 2, 1987: 213–29.
- Anton, S.C., 'Endocranial Hyperostosis in Sangiran 2, Gibraltar 1, and Shanidar 5', American Journal of Physical Anthropology, Vol. 102, No. 1, 1997: 111–22.
- Ariëns Kappers, C.U. and L.W. Parr. An Introduction to the Anthropology of the Near East in Ancient and Recent Times. Amsterdam: Noord-Hollandsche, 1934.
- Armelagos, G.J. and O.D. Chrisman. 'Hyperostosis frontalis interna: A Nubian case', *American Journal of Physical Anthropology*, Vol. 76, 1988: 25–28.
- Arnold, M.A. and B. Freeman (additions), 'Glossary of anatomical terms', in *Unpublished Class Notes*. Sydney: The University of New South Wales, Faculty of Medicine, School of Medical Sciences, Department of Anatomy, 2002.
- Arriaza, B.T., C.F. Merbs and B.M. Rothschild, 'Diffuse idiopathic skeletal hyperostosis in Meroitic Nubians from Semna South, Sudan', American Journal of Physical Anthropology, Vol. 92, 1993: 243–48.
- Ascenzi, A., 'Physiological relationship and pathological interferences between bone tissue and marrow', in *The Biochemistry and Physiology of Bone*, ed. Bourne, G.H. New York: Academic Press, 1976, 403–45.
- ——'A problem in palaeopathology: The origin of thalassemia in Italy', Virchows Archiv A: Pathological Anatomy and Histopathology, Vol. 384, 1979: 121–30.
- 'Microscopy and ultramicroscopy in palaeopathology', in *Innovative Trends in Prehistoric Anthropology: Contributions to an International Symposium from February 26th to March 1st 1986 in Berlin (West)*, ed. Hänsel, B. and B. Herrmann, *Mitteilungen der Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte*, Berlin: 1986, 149–56.
- Ascenzi, A. and P. Balistreri. 'Aural exostoses in a Roman skull excavated at the "Baths of the Swimmer" in the ancient town of Ostia', *Journal of Human Evolution*, Vol. 4, 1975: 579–84.
- Ascenzi, A., M. Brunori, G. Citro and R. Zito, 'Immunological detection of haemoglobin in bones of ancient Roman times and of Iron and Eneolithic Ages', *Proceedings of the National Academy of Science, USA*, Vol. 82, 1985: 7170–72.
- Ascher, R., 'Analogy in archaeological interpretation', *Southwestern Journal of Anthropology*, Vol. 17, 1961: 317–25.
- Ashley Montagu, M.F., Man's Most Dangerous Myth: The Fallacy of Race. 3rd edn. New York: Harper & Brothers, 1952.
- ——(ed.), The Concept of Race. New York: Free Press, 1964.
- Aufderheide, A.C., 'Chemical analysis of skeletal remains', in *Reconstruction of Life from the Skeleton*, ed. Iscan, M.Y. and K.A.R. Kennedy. New York: Alan R. Liss, 1989, 237–60.
- ——The Scientific Study of Mummies. Cambridge: Cambridge University Press, 2003.
- Aufderheide, A.C. and C. Rodriguez-Martin, The Cambridge Encyclopaedia of Human Palaeo-pathology. Cambridge: Cambridge University Press, 1998.
- Bailey, J.F., M. Henneberg, I.B. Colson, A. Ciarollo, R.E.M. Hedges and B. Sykes, 'Monkey business in Pompeii: Unique find of a juvenile Barbary Macaque skeleton in Pompeii

- identified using osteology and ancient DNA techniques', *Molecular Biology and Evolution*, Vol. 16, 1999: 1410–14.
- Barber, G., I. Watt, and J. Rogers, 'A comparison of radiological and palaeopathological diagnostic criteria for hyperostosis frontalis interna', *International Journal of Osteoarchaeology*, Vol. 7, 1998: 157–64.
- Barker, B.C.W., 'Concerning the possibility of estimating the original dimensions of worn Aboriginal teeth', *Australian Dental Journal*, Vol. 17, 1972: 448–53.
- Barnicot, N.A. and D.R. Brothwell, 'The evaluation of metrical data in the comparison of ancient and modern bones', in CIBA Foundation Symposium on Medical Biology and Etruscan Origins, ed. Wolstenholme, G.E.W. and C.M. O'Connor. London: J. & A. Churchill, 1959, 131–48.
- Bass, W.M., Human Osteology: A Laboratory and Field Manual of the Human Skeleton. 2nd edn. Columbia: Missouri Archaeological Society, 1984.
- Bastet, F.L. and M. De Vos. Proposta per una Classificazione del Terzo Stile Pompeiano. Translated by De Vos, A. Vol. 4, Archeologische Studien van het Nederlands Instituut te Rome. s-Gravenhage: Staatsuitgeverij, 1979.
- Baxter, P.J. 'Medical effects of volcanic eruptions', *Bulletin of Volcanology*, Vol. 52, 1990: 532–44.
 Baxter, P.J., R.S. Bernstein, H. Falk, J. French and R. Ing, 'Medical aspects of volcanic disasters: An outline of the hazards and emergency response measures', *Disasters*, Vol. 6, No. 4, 1982: 268–76.
- Baxter, P.J., R. Boyle, P. Cole, A. Neri, R. Spence and G. Zuccaro, 'The impacts of pyroclastic surges on buildings at the eruption of the Soufrière Hills Volcano, Montserrat', *Bulletin of Volcanology*, Vol. 67, No. 4, 2005: 292–313.
- Baxter, P.J., A. Neri and M. Todesco, 'Physical modelling and human survival in pyroclastic flows', *Natural Hazards*, Vol. 17, No. 2, 1998: 163–76.
- Baxter, P.J., R.E. Stoiber and S.N. Williams, 'Volcanic gases and health: Masaya Volcano, Nicaragua', The Lancet, Vol. 320, No. 8290, 1982: 150–51.
- Becker, M.J. 'Calculating stature from in situ measurements of skeletons and from long bone lengths: An historical perspective leading to a test of Formicola's hypothesis at 5th century BCE Satricum, Lazio, Italy', *Rivista di Antrolopologia*, Vol. 77, 1999: 225–47.
- ——'Review [untitled]', Rev. of I Fuggiaschi di Ercolano: Paleobiologia delle vittime dell'eruzione Vesuviana del 79 D.C. by Capasso, L. Rome: L'Erma di Bretschneider, 2001), Journal of Roman Studies, Vol. 93, 2003: 404–6.
- Bedford, M.E., K.F. Russell, C.O. Lovejoy, R.S. Meindl, S.W. Simpson and P.L. Stuart-Macadam, "Test of the multifactorial aging method using skeletons with known ages-at-death from the Grant Collection", American Journal of Physical Anthropology, Vol. 91, 1993: 287–97.
- Belcastro, M.G., F. Facchini and E. Rastelli. 'Hyperostosis Frontalis Interna and Sex Identification of Two Skeletons', International Journal of Osteoarchaeology, Vol. 16, No. 6, 2006: 506–16.
- Beloch, J. Campanien: Geschichte und Topographie des Antiken Neapel und Seiner Umgebung. 2nd edn. Breslau: E. Morganstern, 1890.
- Benario, H.W., 'The land, the cities, the event', in The Buried Cities and the Eruption of Vesuvius: The 1900th Anniversary, ed. Benario, H.W. and G.W. Lawall, Lectures presented at Emory University on May 7, 1979 in a symposium sponsored by the Dept. of Modern Languages and Classics, Alpha Sigma chapter of Eta Sigma Phi, and the Atlanta Society of the Archaeological Institute of America. Amherst: NECN & University of Massachusetts, 1979, 1–6.
- Berry, A.C. and R.J. Berry, 'Epigenetic variation in the human cranium', *Journal of Anatomy*, Vol. 101, 1967: 361–79.

- Bickford, A., D. Donlon and S. Lavelle, 'Skeletal Remains: Guidelines for the Management of Human Skeletal Remains under the Heritage Act 1999'. Sydney: New South Wales Heritage Office, 1998.
- Biddle, M., 'The archaeology of Winchester', *Scientific American*, Vol. 230, No. 5, 1974: 32–43.
- Binford, L.R., 'Behavioural archaeology and the "Pompeii Premise" in archaeology', *Journal of Anthropological Research*, Vol. 37, 1981: 195–208.
- Bisel, S.C., 'The Herculaneum Project: Preliminary Report', *Palaeopathology Newsletter*, Vol. 41, 1983: 6–7.
- —— 'The people of Herculaneum', Helmartica, Vol. 37, 1986: 11–23.
- ---- 'Human bones at Herculaneum', Rivista di Studi Pompeiani, Vol. 1, 1987: 123-31.
- "Nutrition in first century Herculaneum', Anthropologie, Vol. 26, 1988a: 61-66.
- —— 'The skeletons of Herculaneum, Italy', in Wet Site Archaeology: Proceedings of the International Conference on Wet Site Archaeology, Gainesville, Florida, December 12–14, 1986; sponsored by the National Endowment for the Humanities and University of Florida, ed. Purdy, B.A. Caldwell, New Jersey: Telford Press, 1988b.
- ——'The human skeletons of Herculaneum', *International Journal of Anthropology*, Vol. 6, No. 1, 1991: 1–20.
- Bisel, S.C. and J.F. Bisel, 'Health and nutrition at Herculaneum: An examination of human skeletal remains', in *The Natural History of Pompeii*, ed. Jashemski, W.F. and F.G. Meyer. Cambridge: Cambridge University Press, 2002, 451–75.
- Bisel, S.C., J.F. Bisel and S. Tanaka, The Secrets of Vesuvius. Toronto: Madison Press, 1990.
- Bleibtreu, H.K. (ed.), Evolutionary Anthropology: A Reader in Human Biology Boston: Allyn & Bacon, 1969.
- Bliquez, L.J., Roman Surgical Instruments and Other Minor Objects in the National Museum of Naples. Mainz, Germany: Philipp von Zabern, 1994.
- Blong, R.J., Volcanic Hazards: A Sourcebook on the Effects of Eruptions. Sydney: Academic Press, 1984.
- Boas, F., 'Changes in bodily form of descendants of immigrants (reprint of 1912 article)', in *Frontiers of Anthropology*, ed. Ashley Montagu, M.F. New York: Capricorn Books, 1974, 321–32.
- Bocquet-Appel, J.P. and C. Masset, 'Paleodemography: Resurrection or Ghost?', *Journal of Human Evolution*, Vol. 14, No. 2, 1985: 107–11.
- ----- 'Farewell to paleodemography', Journal of Human Evolution, Vol. 11, 1982: 321-33.
- Boldsen, J.L., G.R. Milner, L.W. Konigsberg and J.W. Wood, 'Transition analysis: A new method for estimating age from skeletons', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J.W. Vaupel, *Cambridge Studies in Biological and Evolutionary Anthropology*. Cambridge: Cambridge University Press, 2002, 73–106.
- Bologna, F., 'The rediscovery of Herculaneum and Pompeii in the artistic culture of Europe in the eighteenth century', in *Rediscovering Pompeii: IBM Gallery of Science and Art*, ed. Conticello, B. Rome: 'L'Erma' di Bretschneider, 1990, 79–91.
- Bondioli, L., R.S. Corruccini and R. Macchiarelli, 'Familial segregation in the Iron-Age community of Alfedena, Abruzzo, Italy, based on osteo-dental trait analysis', *American Journal of Physical Anthropology*, Vol. 71, No. 4, 1986: 393–400.
- Bonfiglioli, B., P. Brasili and M.G. Belcastro, 'Dento-alveolar lesions and nutritional habits of a Roman Imperial age population (1st–4th c. AD): Quadrella (Molise, Italy)', *Homo: Journal of Comparative Human Biology*, Vol. 54, No. 1, 2003: 36–56.

- Boulle, E.-L., 'Evolution of two human skeletal markers of the squatting position: A diachronic study from antiquity to the modern age', *American Journal of Physical Anthropology*, Vol. 115, No. 1, 2001: 50–56.
- Bowden, K.M., Forensic Medicine. 2nd edn. Brisbane: Jacaranda, 1965.
- Bowler, S., 'Earthquakes and volcanoes', New Scientist, Vol. 139, No. 1891: Inside Science Supplement 64, 1993: 1–4.
- ——'Earth's fireworks', Rev. of P. Francis, Volcanoes: A Planetary Perspective, Oxford University Press, 1993, New Scientist, Vol. 139, No. 1891, 1993: 40–41.
- Boyd, W.C., Genetics and the Races of Man. Boston: Little, Brown & Co., 1950.
- Breathnach, A.S. (ed.), Frazer's Anatomy of the Human Skeleton. London: J. & A. Churchill, 1965.
- Brier, B., The Encyclopedia of Mummies. New York: Checkmark, 1998.
- ——Egyptian Mummies: Unravelling the Secrets of an Ancient Art. London: Brockhampton Press, 1999/1994.
- Briggs, C.A., 'Anthropological assessment', in *Craniofacial Identification in Forensic Medicine*, ed. Clement, J.G. and D.L. Ranson. London: Arnold, 1998, 49–61.
- Brion, M., Pompeii and Herculaneum: The Glory and the Grief. London: Cardinal, 1973/1960.
- Brooks, S. and J.M. Suchey. 'Skeletal age determination based on the os pubis: A comparison of the Acsádi–Nemeskéri and Suchey–Brooks methods', Human Evolution, Vol. 5, No. 3, 1990: 227–38.
- Brothwell, D.R., Digging up Bones: The Excavation, Treatment and Study of Human Skeletal Remains. 3rd edn. London: British Museum (Natural History) & Oxford University Press, 1981.
- ——The Bog Man and the Archaeology of People. London: British Museum Publications, 1986.
- Brothwell, D.R., E. Higgs and G. Clark (eds), Science in Archaeology: A Comprehensive Survey of Progress and Research. New York: Basic Books, 1963.
- Brothwell, D.R. and A.T. Sandison. *Diseases in Antiquity*. Springfield, Illinois: Basic Books, 1967.
- Brown, D.M. (ed.), *Pompeii: The Vanished City*. Alexandria, Virginia: Time–Life Books, 1992. Brown, J.M., 'Eyewitness memory for arousing events: putting things into context', *Applied Cognitive Psychology*, Vol. 17, No. 1, 2003: 93–106.
- Brues, A.M., People and Races. New York: Macmillan, 1977.
- Bruner, E., M. Averini, and G. Manzi, 'Endocranial traits. Prevalence and distribution in a recent human population', *European Journal of Anatomy*, Vol. 7, No. 1, 2003: 23–33.
- Buikstra, J.E., 'Repatriation and bioarchaeology: Challenges and opportunities', in *Bioarchaeology: The Contextual Analysis of Human Remains*, ed. Buikstra, J.E. and L.A. Beck. Amsterdam: Academic Press, 2006), 389–415.
- Buikstra, J.E. and D.H. Ubelaker (eds), Standards for Data Collection from Human Skeletal Remains: Proceedings of a Seminar at the Field Museum of Natural History Organized by Jonathon Haas. Fayetteville, Arkansas, 1994.
- Bullard, F.M., 'Volcanoes and their activity', in Volcanic Activity and Human Ecology, ed. Sheets, P.D. and D.K. Grayson. New York: Academic Press, 1979, 9–48.
- ——Volcanoes of the Earth. Austin: University of Texas Press, 1984.
- Bulwer-Lytton, E. Paul Clifford. London: Routledge, 1875.
- ——The Last Days of Pompeii. New York: Putnam, 1897.
- C. Frères (illustrations) and H. Rouillard (adapted by). Les Derniers Jours de Pompéi, Bibliothèque Juventa. Paris: Librairie Delagrave, 1936.
- Busignani, A., Botticelli: The Life and Work of the Artist. London: Thames & Hudson, 1968.

- Butterworth, A. and R. Laurence, *Pompeii: The Living City*. London: Weidenfeld & Nicolson, 2005.
- Buzarbaruah, P.M., 'Changes in anthropometric measurements due to migration and environment: A preliminary observation', *Anthropologie*, Vol. 30, No. 2, 1992: 189–95.
- Cabell, C.H., E. Abrutyn, and A.W. Karchmer, 'Bacterial endocarditis: The disease, treatment, and prevention', in *Circulation*, Vol. 107, American Heart Association, 2003; e185–e7.
- Calcagno, J.M., 'On the applicability of sexing human skeletal material by discriminant function analysis', *Journal of Human Evolution*, Vol. 10, 1981: 189–98.
- Cammisa, M., A. De Serio and G. Guglielmi. 'Diffuse idiopathic skeletal hyperostosis', European Journal of Radiology, Vol. 27, No. Supplement 1, 1998: 7–11.
- Campbell, J.L., Edward Bulwer-Lytton. Boston: Twayne, 1986.
- Capasso, L., 'Brucellosis at Herculaneum (79 AD)', International Journal of Osteoarchaeology, Vol. 9, 1999: 277–88.
- ——'Herculaneum victims of the volcanic eruptions of Vesuvius in 79 AD', *The Lancet*, Vol. 356, No. 9238, 2000a: 1344–46.
- ——'Indoor pollution and respiratory diseases in ancient Rome', *The Lancet*, Vol. 356, No. 9243, 2000b: 1774.
- ——I Fuggiaschi di Ercolano: Paleobiologia delle Vittime dell'Eruzione Vesuviana del 79 d.C. Roma: 'L'Erma' di Bretschneider, 2001.
- ——'Bacteria in two-millennia-old cheese, and related epizoonoses in Roman populations', *Journal of Infection*, Vol. 45, No. 2, 2002: 122–27.
- ——'Infectious diseases and eating habits at Herculaneum (1st century AD, Southern Italy)', International Journal of Osteoarchaeology, Vol. 17, No. 4, 2007: 350–57.
- Capasso, L. and L. Capasso, 'Mortality in Herculaneum before volcanic eruption in 79 AD', The Lancet, Vol. 354, No. 9192, 1999: 1826.
- Capasso, L. and L. Di Domenicantonio, 'Work-related syndesmoses on the bones of children who died at Herculaneum', *The Lancet*, Vol. 352, No. 9140, 1998: 1634.
- Capasso, L. and G. Di Tota, 'Lice buried under the ashes of Herculaneum', *The Lancet*, Vol. 351, No. 9107, 1998: 992.
- —— 'Tuberculosis in Herculaneum (79 AD)', in *Tuberculosis Past and Present*, ed. Pálfi, G., O. Dutour, J. Deák and I. Hutás. Budapest: Golden Books & Tuberculosis Foundation, 1999, 463–67.
- Capasso, L., K.A.R. Kennedy and C.A. Wilczak, Atlas of Occupational Markers on Human Remains, Journal of Paleopathology: Monographic Publication 3. Teramo: Journal of Paleopathology & Edigrafital, 1999.
- Carafa, P., 'Recent work on early Pompeii', in *The World of Pompeii*, ed. Dobbins, J.J. and P. W. Foss (London: Routledge, 2007), 63–72.
- Carattelli, G.P. (ed.), *Pompei: Pitture e Mosaici*. (Rome: Istituto della Enciclopedia Italiana, 1993.
- Carey, S. and H. Sigurdsson. 'Temporal variations in column height and magma discharge rate during the AD 79 eruption of Vesuvius', Geological Society of America Bulletin, Vol. 99, 1987: 303–14.
- Carrington, R.C., Pompeii. Oxford: Clarendon Press, 1936.
- Cartmill, M. and K. Brown, 'Surveying the race concept: A reply to Lieberman, Kirk, and Littlefield', *American Anthropologist*, Vol. 105, No. 1, 2003: 114–15.
- Caspari, R., 'From types to populations: A century of race, physical anthropology, and the American Anthropological Association', American Anthropologist, Vol. 105, No. 1, 2003: 65–76.

- Cassanelli, R., 'Images of Pompeii: From engraving to photography', in *Houses and Monuments of Pompeii: The Works of Fausto and Felice Niccolini*, ed. Cassanelli, R., P.L. Ciapparelli, E. Colle and M. David. Los Angeles: The J. Paul Getty Museum, 2002, 48–51.
- Cassanelli, R., P.L. Ciapparelli, E. Colle and M. David, Houses and Monuments of Pompeii: The Works of Fausto and Felice Niccolini. Translated by T.M. Hartmann. Los Angeles: The J. Paul Getty Museum, 2002.
- Caton, R. 'Notes on a group of medical and surgical instruments found near Kolophon', Journal of Hellenic Studies, Vol. 34, 1914: 114–18.
- Cerulli Irelli, M.G., 'Intorno al problema della rinascita di Pompei', in *Neue Forschungen in Pompeji*, ed. Andreae, B. and H. Kyrieleis. Recklinghausen: Aurel Bongers, 1975, 291–98.
- ——'Der letzten Pompejanische stil', in *Pompejianische Wandmalerei*, ed. Cerulli Irelli, G., M. Aoyagi and D. Stefano. Zürich: Belser, 1990, 233–38.
- Chamberlain, A.T., *Demography in Archaeology*, Cambridge Manuals in Archaeology. Cambridge: Cambridge University Press, 2006.
- Chamberlain, A.T. and M.P. Pearson, Earthly Remains: The History and Science of Preserved Bodies. Oxford: Oxford University Press, 2001.
- Ciarello, A.M. and E. De Carolis, 'La data dell' eruzione', *Rivista di Studi Pompeiani*, Vol. 9, 1998: 63–73.
- Cipollaro, M., G. Di Bernardo, A. Forte, G. Galano, L. De Masi, U. Galderisi, F.M. Guarino, F. Angelini and A. Cascino, 'Histological analysis and ancient DNA amplification of human bone remains found in Caius Iulius Polybius House in Pompeii', Croatian Medical Journal, Vol. 40, No. 3, 1999: 392–97.
- Cipollaro, M., G. Di Bernardo, G. Galano, U. Galderisi, F.M. Guarino, F. Angelini and A. Cascino, 'Ancient DNA in human bone remains from Pompeii archaeological site', Biochemical and Biophysical Research Communications, Vol. 247, No. 3, 1998: 901–4.
- Ciprotti, P., Pompei, Universale Studium: 86. Rome: Studium, 1962.
- ——'Der letzte tag von Pompeji', Altertum, Vol. 10, 1964: 40–54.
- Civale, A., 'Oplontis: Introduction', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003a, 72–73.
- ——'Oplontis: The villa of Lucius Crassius Tertius', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003b, 74–79.
- —— 'Pompeii: Caupona (V, 1, 13)', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003c, 106–7.
- ——'Pompeii: The harbour gate', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003d, 151–52.
- —— 'Pompeii: The house of Julius Polybius (IX, 13, 1–3)', in *Tales from an Eruption: Pompeii*, *Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003e, 163–65.
- ——'Pompeii: The house of Oppius Gratus (IX, 6, 5)', in Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition, ed. Guzzo, P.G. Milan: Electa, 2003f, 113–15.
- ——'Pompeii: The house of the centenary (IX, 8, 3–5)', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003g, 116–19.
- ——'Pompeii: The House of the Craftsman (I, 10, 7)', in *Tales from an Eruption: Pompeii*, *Herculaneum*, *Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003h, 140–42.
- ——'Pompeii: The house of the Menander (I, 10, 4)', in *Tales from an Eruption: Pompeii, Her-culaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003i, 137–39.

- —— 'Pompeii: The Nolan Gate', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003j, 120–23.
- ——'Pompeii: The Vesuvius Gate', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003k, 124–25.
- ——'Pompeii: The villa of the mysteries', in *Tales from an Eruption: Pompeii, Herculaneum*, *Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003l, 134–36.
- ——'Pompeii: Via Dell'Abbondanza', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003m, 130–31.
- —— 'Pompeii: Vicolo di Tesmus', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003n, 110–12.
- —— 'Pompeii: Introduction', in Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition, ed. Guzzo, P.G. Milan: Electa, 2003o, 90–91.
- ——'Pompeii: The Temple of Isis', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003p, 95–97.
- —— 'Pompeii: Vicolo degli Scheletri (VII, 13, 19)', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003q, 103–5.
- —— 'Terzigno: Introduction', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003r, 80–85.
- —— 'Terzigno: Villa 6', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003s, 86–89.
- Clarke, N.G., S.E. Carey, W. Srikandi, R.S. Hirsch, and P.I. Leppard. 'Periodontal disease in ancient populations', American Journal of Physical Anthropology, Vol. 71, 1986: 173–83.
- Clay, E. and M. Fredericksen (eds), 'Sir William Gell in Italy: Letters to the Society of Dilettanti, 1831–35'. London: Hamilton, 1976.
- Clement, J.G., 'Dental identification', in *Craniofacial Identification in Forensic Medicine*, ed. Clement, J.G. and D.L. Ranson. London: Arnold, 1998, 63–81.
- Cocheton, J.J., L. Fineltain, and J. Poulet, 'Le syndrome de Morgagni-Stewart-Morel: Mythe ou réalité?', Semaine des Hôpitaux, Vol. 50, 1974: 2945–50.
- Cockburn, A., E. Cockburn, and T.A. Reyman (eds), Mummies, Disease and Ancient Cultures. Cambridge: Cambridge University Press, 1998.
- Cohen, I.B., The Triumph of Numbers: How Counting Shaped Modern Life. New York: WW Norton & Company, 2005.
- Colley, S. Uncovering Australia: Archaeology, Indigenous People and the Public. Sydney: Allen & Unwin, 2002.
- Collins, D.H., Pathology of Bone. London: Butterworths, 1966.
- Colliton, J., 'Back pain and pregnancy: Active management strategies', in *The Physician and Sportsmedicine* (1996 July).
- Comas, J., Manual of Physical Anthropology. Springfield, Illinois: Charles C. Thomas, 1960.
- Conticello, B. Villa dei Misteri. Milan: FMR/Museum, 1987.
- ——'Rediscovering Pompeii', in *Rediscovering Pompeii: IBM Gallery of Science and Art* ed. Conticello, B. (Rome: 'L'Erma' di Bretschneider, 1990), 2–25.
- Cook, D.C., 'The old physical anthropology and the New World: A look at the accomplishments of an antiquated paradigm', in *Bioarchaeology: The Contextual Analysis of Human Remains*, ed. Buikstra, J.E. and L.A. Beck. Amsterdam: Academic Press, 2006, 27–72.
- Cook, D.C. and M.L. Powell, 'The evolution of American paleopathology', in *Bioarchaeology: The Contextual Analysis of Human Remains*, ed. Buikstra, J.E. and L.A. Beck. Amsterdam: Academic Press, 2006, 281–322.
- Cooley, A.E., Pompeii. London: Duckworth, 2003.

- Cooley, A.E. and M.G.L. Cooley, Pompeii: A Sourcebook. London: Routledge, 2004.
- Coon, C.S., The Races of Europe. New York: Macmillan, 1939.
- ——The Origin of Races. London: Jonathan Cape, 1963.
- Coon, C.S. and E.E. Hunt (eds), The Living Races of Man. London: Jonathan Cape, 1965.
- Coppa, A., A. Cucina, D. Mancinelli, R. Vargiu, and J.M. Calcagno, 'Dental anthropology of Central-Southern, Iron Age Italy: The evidence of metric versus nonmetric traits', *American Journal of Physical Anthropology*, Vol. 107, No. 4, 1998: 371–86.
- Cordovani, R., La Cripta dei Cappuccini. Chiesa dell'Immacolata Concezione Via Vittorio Veneto-Roma. Rome: Provincia Romana dei Frati Minori Cappuccini, 2005.
- Corruccini, R.S., 'An examination of the meaning of cranial discrete traits for human skeletal biological studies', *American Journal of Physical Anthropology*, Vol. 40, 1974: 425–45.
- Corti, E.C.C., The Destruction and Resurrection of Pompeii and Herculaneum. Translated by Smith, K. and R.G. Smith. London: Routledge & Kegan Paul, 1951.
- Costantini, R.M. and L. Capasso, 'Sulla Presenza di DNA endogeno nei resti scheletri dei fuggiaschi di Ercolano', in *I Fuggiaschi di Ercolano: Paleobiologia delle Vittime dell'Eruzione Vesuviana del 79 d.C.*, *Appendix 3*, ed. Capasso, L. Rome: 'L'Erma' di Bretschneider, 2001, 1069–74.
- Council for British Archaeology, Handbook of Scientific Aids and Evidence for Archaeologists. London: Council for British Archaeology, 1970.
- Court, S., 'Teaching archaeology of human remains to students: The perspective of the Nicholson Museum Education Program', Teaching History (History Teachers' Association of NSW), Vol. 40, No. 1, 2006: 34–35.
- Cox, M. and A. Scott, 'Evaluation of the obstetric significance of some pelvic characters in an 18th century British sample of known parity status', American Journal of Physical Anthropology, Vol. 89, 1992: 431–40.
- Cremin, B., H. Goodman, J. Spranger and P. Beighton, 'Wormian bones in osteogenesis imperfecta and other disorders', *Skeletal Radiology*, Vol. 8, 1982: 35–38.
- Cucina, A., R. Vargiu, D. Mancinelli, R. Ricci, E. Santandrea, P. Catalano, and A. Coppa, 'The Necropolis of Vallerano (Rome, 2nd–3rd Century AD): An anthropological perspective on the Ancient Romans in the Suburbium', *International Journal of Osteoarchaeology*, Vol. 16, No. 2, 2006: 104–16.
- Cutler, B.L., S.D. Penrod and T.K. Martens, 'The reliability of eyewitness identification', Law and Human Behavior, Vol. 11, No. 3, 1987: 233–58.
- Daintith, J. and J.O.E. Clark, The Facts on File Dictionary of Mathematics. 3rd edn. New York: Checkmark, 1999.
- Damasio, A.R. and H. Damasio. 'Brain and language', Scientific American, Vol. 267, No. 3, 1992: 62-71.
- D'Ambrosio, A., 'The lady from Oplontis', in *Rediscovering Pompeii: IBM Gallery of Science and Art* ed. Conticello, B. (Rome: 'L'Erma' di Bretschneider, 1990), 133.
- D'Amore, C., M. Carfagna and G. Matarese, 'Definizione antropologica della popolazione adulta di un commune della provincia di Napoli', in *Rendiconto dell'Accademia delle Scienze*, *Fisiche e Matematiche della Società Nazionale di Scienze*, *Lettere ed Arti in Napoli, Serie IV*, XXXI Naples: 1964.
- D'Amore, C. and T. De Leo. 'Antropologia Pompeiana del 79 d.C., Paleodietica. Nota I: generalità', Archivio per l'Antropologia e la Etnologia, Vol. 116, 1986: 81–106.
- D'Amore, C., F. Mallegni and M. Schiano di Zenise, 'Antropologia pompeiana del 79 d.C.: Sesso ed età di morte', *Archivio per l'Antropologia e la Etnologia*, Vol. 109, 1979: 297–308.

- —— 'Primi risultati degli studi sull'antropologia Pompeiana del 79 d.C.', in *La Regione Sotterrata dal Vesuvio: Studi e Prospettive*, *Atti del Convegno Internazionale 11–15 Novembre 1979*. Napoli: Università degli Studi, 1982, 927–43.
- Daniel, G.E., The Origins and Growth of Archaeology. Middlesex: Penguin, 1967.
- ——A Hundred and Fifty Years of Archaeology. 2nd edn. London: Duckworth, 1975.
- ——A Short History of Archaeology. London: Thames & Hudson, 1981.
- D'Arms, J.H., Romans on the Bay of Naples: A Social and Cultural Study of the Villas and their Owners from 150 BC to AD 400. Cambridge Massachusetts: Harvard University Press, 1970.
- David, A.R. and R. Archbold, Conversations with Mummies: New Light on the Lives of the Ancient Egyptians. Sydney: Allen & Unwin, 2000.
- David, M., 'Fiorelli and documentation methods in archaeology, photography', in Houses and Monuments of Pompeii: The Works of Fausto and Felice Niccolini, ed. Cassanelli, R., P.L. Ciapparelli, E. Colle and M. David. Los Angeles: The J. Paul Getty Museum, 2002, 52–57.
- De Caro, S. and A. Casale, Boscoreale e le Sue Testimonianze Archeologiche: Villa Rustica in Località Villa Regina. Naples: Commune di Boscoreale, Assessorato ai Beni Culturali e Ambientali, 1988.
- De Carolis, E. and G. Patricelli, 'Le vittime dell'eruzione', in *Storie da un'Eruzione: Pompei, Ercolano, Oplontis: Guida alla Mostra*, ed. d'Ambrosio, A., P.G. Guzzo and M. Mastroroberto. Milan: Electa, 2003a, 56–72.
- ——Vesuvius, AD 79: The Destruction of Pompeii and Herculaneum. Translated by The J. Paul Getty Trust. Rome: 'L'Erma' di Bretschneider, 2003b.
- De Carolis, E., G. Patricelli and A. Ciarallo, 'Rinvenimenti di corpi umani nell'area urbana di Pompei', Rivista di Studi Pompeiani, Vol. 9, 1998: 75–123.
- De Franciscis, A., The Pompeian Wall Paintings in the Roman Villa of Oplontis. Recklinghausen, Germany: Aurel Bongers, 1975.
- De Kind, R.E.L.B., 'Two Tondo heads in the Casa dell'Atrio a Mosaico (IV,1–2) at Herculaneum: Some remarks on portraits in Campanian wall paintings', Kölner Jahrbuch für Vor–und Frühgeschichte, Vol. 24, 1991: 165–69.
- De Simone, A., 'Archaeology and science', in *Rediscovering Pompeii: IBM Gallery of Science and Art*, ed. Conticello, B. Rome: 'L'Erma' di Bretschneider, 1990, 62–77.
- ——'I siti archeologici Vesuviani sepolti dalla eruzione del Somma-Vesuvio', in Vesuvio 79 AD: Vita e Morte ad Ercolano: Mostra Fotografica e di Reperti Archeologici, ed. Petrone, P.P. and F. Fedele. Naples: Fredericiana Editrice Universitaria, 2002, 93–104.
- De Stefano, G.F., G. Hauser, A. Guidotti, E. Gualdo Russo and P. Brasili Gualandi, 'Reflections on interobserver differences in scoring non-metric cranial traits (with practical examples)', *Journal of Human Evolution*, Vol. 13, 1984: 349–55.
- De Vos, A., 'Casa dei quadretti teatrali', in *Pompei: Pitture e Mosaici*. Rome: Istituto dell'Enciclopedia, 1990, 361–96.
- De Vos, A. and M. De Vos, Pompei, Ercolano, Stabia. Rome: Laterza, 1982.
- De Waele, J.A.K., 'The "doric" temple in the Forum Triangulare', in *Pompeii*, *Opuscula Pompeiana*, *III* (1993), 105–18.
- Deevey, E.S., 'The human population', Scientific American, Vol. 203, 1960: 194-204.
- Deiss, J.J., Herculaneum: Italy's Buried Treasure. 2nd edn. New York: Harper & Row, 1985.
- Della Corte, M., Casa ed Abitanti di Pompei. 3rd edn. Naples: Fausto Fiorentino, 1965.
- Delle Chiaie, S., 'Cenno notomico-patologico sulle ossa umane scavate in Pompei: Letto dal Socio ordinario Stefano Delle Chiaie nella tornata de' 15 settembre 1853', *Filiatre-Sebezio*, Vol. 48, 1854: 3–30.
- Descœudres, J.-P., 'A Pompeian house revisited', Australian Natural History, Vol. 20, No. 4, 1980: 117-22.

- ----- 'Rome and Roman art', in *The Enduring Past: Archaeology of the Ancient World for Australians*, ed. Cremin, A. Sydney: NSW University Press, 1987, 164–209.
- ——'Did some Pompeians return to their city after the eruption of Mt. Vesuvius in AD 79? Observations in the house of the coloured capitals', in *Ercolano 1738–1988: 250 Anni di Ricerca Archeologica*, ed. Dell'Orto, L.F. Rome: "L'Erma" di Bretschneider, 1993, 165–78.
- ——'A brief history of Pompeii', in *Pompeii Revisited: The Life and Death of a Roman Town*, ed. Harrison, D. Sydney: Meditarch, 1994a, 1–39.
- ——'Discovery and excavation', in *Pompeii Revisited: The Life and Death of a Roman Town*, ed. Harrison, D. Sydney: Meditarch, 1994b, 41–53.
- ---Pompeii Revisited: The Life and Death of a Roman Town. Sydney: Meditarch, 1994c.
- Devriendt, W., M.D. Piercecchi-Marti, P. Adalian, A. Sanvoisin, O. Dutour and G. Leonetti. 'Hyperostosis frontalis interna: Forensic issues', *Journal of Forensic Science*, Vol. 50, No. 1, 2005: 143–46.
- Devriendt, W., M.D. Piercecchi-Marti, Y. Ardagna, E. Mahieu, I. Hershkovitz, M. Signoli and O. Dutour, 'Two Neolithic cases of hyperostosis frontalis interna', *International Journal of Osteoarchaeology*, Vol. 14, 2004: 414–18.
- Di Bernardo, G., S. Del Gaudio, M. Cammarota, U. Galderisi, A. Cascino and M. Cipollaro, 'Enzymatic repair of selected cross-linked homoduplex molecules enhances nuclear gene rescue from Pompeii and Herculaneum remains', in *Nucleic Acids Research*, Vol. 30(4), 2002: e16.
- Di Bernardo, G., G. Galano, U. Galderisi, A. Cascino, F.M. Guarino, F. Angelini and M. Cipollaro, 'Analisi dei reperti ossei della casa grado di conservazione ed amplificazione del DNA antico', in *La Casa di Giulio Polibio: Studi Interdisciplinari*, ed. Ciarallo, A. and E. De Carolis. Pompei: Centro Studi arti Figurative, Università di Tokio, 2001, 111–18.
- Diamond, J., 'Race without colour', Discover, Vol. 15, No. 11, 1994: 82-89.
- Dilke, O.A.W. and M.S. Dilke, 'Vesuvius, August 79: First recorded eruption', Geographical Magazine, Vol. 51, No. 51, 1979: 743–49.
- Dittirick, J. and J.M. Suchey, 'Sex determination of prehistoric central California skeletal remains using discriminant analysis of the femur and humerus', American Journal of Physical Anthropology, Vol. 70, 1986: 3–9.
- Dobbins, J.J., 'Problems of chronology, decoration and urban design in the forum at Pompeii', *American Journal of Archaeology*, Vol. 98, 1994: 629–94.
- ——'The Pompeii Forum Project 1994–95', in *Sequence and Space in Pompeii*, ed. Bon, S.E. and R. Jones. Oxford: Oxbow Monograph 77, 1997, 73–87.
- ——'The forum and its dependencies', in *The World of Pompeii*, ed. Dobbins, J.J. and P.W. Foss. London: Routledge, 2007, 150–83.
- Dobzhansky, T., 'On species and races of living and fossil man', American Journal of Physical Anthropology, Vol. 2, 1944: 251–65.
- Donlon, D., 'The Value of Postcranial Nonmetric Variation in Studies of Global Populations in Modern Homo Sapiens', unpublished PhD thesis. Armidale: University of New England, 1990.
- D'Orta, P. and E. D'Orta., Come Visitare Pompei. Pompeii: Falanga, 1982.
- Dow, S., 'A century of humane archaeology', Archaeology, Vol. 33, 1980: 42-51.
- Drackett, P., The Book of Great Disasters. Berkshire: Purnell, 1977.
- Dunnell, R.C., 'Americanist archaeology: The 1979 contribution', American Journal of Archaeology, Vol. 84, 1980: 463–78.
- Dwyer, E., 'From fragments to icons: Stages in the making and exhibiting of the casts of Pompeian victims, 1863–88', in *Interpreting Ceramics: Conference papers and presentations from the Fragmented Figure conference (Cardiff School of Art and Design on the 29th and 30th June 2005)* (2005).

- Dyer, T.H., Pompeii: Its History, Buildings and Antiquities. 2nd edn. London: George Bell & Sons, 1883.
- Dyson, S.L., Community and Society in Roman Italy. Baltimore: Johns Hopkins University Press, 1992.
- Eco, U., 'A portrait of the Elder as a Young Pliny: How to build fame', in *On Signs*, ed. Blonsky, M. (Oxford: Blackwell, 1985), 289–302.
- Edwards, C., 'The roads to Rome', in *Imagining Rome: British Artists and Rome in the Nineteenth Century*, ed. Liversidge, M.J.H. and C. Edwards. London: Merrell Holberton, 1996, 8–19.
- Eggen, S., B. Natvig and J. Gasemyr, 'Variation in torus palatinus prevalence in Norway', European Journal of Oral Sciences, Vol. 102, No. 1, 1994: 54–59.
- Ehrhardt, W., Stilgeschichte Untersuchungen an Römischen Wandmalereien von der Späten Republik bis zur zeit Neros. Mainz am Rhein: Philip von Zabern, 1987.
- Eisele, J.W., R.L. O'Halloran, D.T. Reay, G.R. Lindholm, L.V. Lewman and W.J. Brady, 'Deaths during the May 18, 1980, eruption of Mt St Helens', The New England Journal of Medicine, Vol. 305, No. 16, 1981: 931–36.
- Eldridge, W.W. and G. Holm, 'Incidence of hyperostosis frontalis interna in female patients admitted to a mental hospital', American Journal of Roentgenology, Radium Therapy & Nuclear Medicine, Vol. 43, 1940: 356–59.
- El-Najjar, M.Y. and G.L. Dawson, 'The effect of artificial cranial deformation on the incidence of wormian bones in the lambdoidal suture', American Journal of Physical Anthropology, Vol. 46, 1977: 155–60.
- El-Najjar, M.Y. and K.R. McWilliams, Forensic Anthropology: The Structure, Morphology and Variation of Human Bone and Dentition. Springfield, Illinois: Charles C. Thomas, 1978.
- Engelmann, W. New Guide to Pompeii. Leipzig: Wilhelm Engelmann, 1925.
- Eschebach, H., L. Eschebach, and J. Adamiak, *Pompeji: Erlebte Antike Welt*. Leipzig: Seeman, VEB, 1978.
- Etani, H., S.S. Yuichi, Y. Shigematsu and V. Iorio, 'La campagna di scavo del Japan Institute of Palaeological Studies di Kyoto del 2002', Opuscula Pompeiana, Vol. 12, 2004: 125–37.
- Etienne, R., 'L'Eruzione del 79', in Pompei 79: Raccolta di Studi per il Decimonono Centenario dell'Eruzione Vesuviana, ed. Zevi, F. Naples: Gaetano Macchiarolo Editore, 1979, 289–92.
- ——Pompeii: The Day a City Died. Translated by Palmer, C. London: Thames & Hudson, 1992.
- Feder, T. Great Treasures of Pompeii and Herculaneum. New York: Abbeville Press, 1978.
- Feinberg, A. Human Anatomy 1: Muscular and Skeletal System. New York: Data Guide, 1958.
- Ferembach, D., I. Schwidetzky and M. Stloukal. 'Recommendations for age and sex diagnoses of skeletons (Workshop of European Anthropologists)', *Journal of Human Evolution*, Vol. 9, No. 7, 1980: 517–49.
- Fergola, L., 'Oplontis', in Storie da un'Eruzione: Pompeii, Ercolano, Oplontis, ed. d'Ambrosio, A., P.G. Guzzo and M. Mastroroberto. Milan: Electa, 2003, 152–64.
- Ferguson, J., 'The laboratory of racism', New Scientist, Vol. 103 1984: 18-20.
- Fernandez-Nogueras, F.J. and V.J. Fernandez-Nogueras, 'The Stewart-Morel Syndrome in the differential diagnosis of patients with frontal headache', *Anales Ortorrinolaringologicos Ibero-Americanos*, Vol. 20, No. 4, 1993: 383–91.
- Fforde, C., Collecting the Dead: Archaeology and the Reburial Issue. London: Duckworth, 2004. Filer, J., Disease, Egyptian Bookshelf. London: British Museum, 1995.
- Finnegan, M., 'Non-metric variation of the infracranial skeleton', *Journal of Anatomy*, Vol. 125, 1978: 23–37.

- Finnegan, M. and K. Cooprider, 'Empirical comparison of distance equations using discrete traits', *American Journal of Physical Anthropology*, Vol. 49, 1978: 39–46.
- Fiorelli, G., Gli Scavi di Pompei dal 1861 al 1872. Naples: Tipografica nel Liceo V. Emmanuele, 1873.
- FitzGerald, C., S.R. Saunders, L. Bondioli, and R. Macchiarelli, 'Health of infants in an Imperial Roman skeletal sample: Perspective from dental microstructure', *American Journal* of *Physical Anthropology*, Vol. 130, 2006: 179–89.
- Flury, B. and H. Riedwyl, *Multivariate Statistics: A Practical Approach*. London: Chapman & Hall, 1988.
- Formicola, V., 'Stature reconstruction from long bones in ancient population samples: An approach to the problem of its reliability', American Journal of Physical Anthropology, Vol. 90, No. 3, 1993: 351–58.
- Fornaciari, G. and F. Mellegni, 'Palaenutritional studies on skeletal remains of ancient populations from the Mediterranean area: An attempt to [sic] interpretation', *Anthropologischer Anzeiger*, Vol. 45, No. 4, 1987: 361–70.
- France, D.L., 'Osteometry at muscle origin and insertion in sex determination', *American Journal of Physical Anthropology*, Vol. 76, 1988: 515–26.
- Francis, K.J., 'The Pompeian Bust Medallion', unpublished MA thesis, Department of Archaeology. Sydney: University of Sydney, 1983.
- Francis, P., 'Vesuvius inquest: August 1979', Geographical Magazine, Vol. 51, 1979: 750–55.

 ——Volcanoes: A Planetary Perspective. Oxford: Clarendon Press, 1993.
- Frederikson, M. and N. Purcell, Campania. Rome: The British School at Rome, 1984.
- Freeman, B., 'Glossary of Histological and Microanatomical Terms Including Historical Origins and Eponyms'. Sydney: School of Anatomy, University of New South Wales, 2000.
- Fürst, C.M., 'Zur anthropologie der prähistorischen Griechen in Argolis', *Lunds Arsskrift*, Vol. 26, No. 8, 1930: 130.
- ——'Zur Kenntniss der anthropologie prähistorischen bevölkerung der Insel Cypern', Lunds Arsskrift, Vol. 29, No. 6, 1933: 1–106.
- Gannes, L.Z., D.M. O'Brien and C. Martinez del Rio, 'Stable isotopes in animal ecology: Assumptions, caveats, and a call for more laboratory experiments', *Ecology*, Vol. 78, No. 4, 1997: 1271–76.
- García y García, L., Danni di Guerra a Pompei: Una Dolorosa Vicenda quasi Dimenticata. Vol. 15, Studi della Soprintendenza Archeologica di Pompei. Rome: 'L'Erma' di Bretschneider, 2006.
- Garn, S.M. (ed.), Readings on Race. Springfield, Illinois: Charles C. Thomas, 1960.
- ——Human Races. 3rd edn. Springfield, Illinois: Charles C. Thomas, 1971.
- Gautier, T., *The Mummy's Foot*. Translated by De Sumichrast, F.C. 1901 edn. New York: C.T. Brainard.
- ——Romance of a Mummy. New York: C.T. Brainard, 1898.
- ——Arria Marcella: A Souvenir of Pompeii. Translated by De Sumichrast, F.C. New York: C.T. Brainard, 1901.
- Gell, W., Pompeiana: The Topography, Edifices and Ornaments of Pompeii: The Results of Excavations since 1819. London: Jennings & Chaplin, 1832.
- Gell, W. and J.P. Gandy, Pompeiana: The Topography, Edifues and Ornaments of Pompeii. 2nd edn. London: Rodwell & Martin, 1821.
- Gendron, R., D. Grenier and L.F. Maheu-Robert, 'The oral cavity as a reservoir of bacterial pathogens for focal infections', *Microbes and Infection*, Vol. 2, No. 8, 2000: 897–906.

- Genovés, S., 'Sex determination in earlier man', in Science in Archaeology: A Survey of Progress and Research, ed. Brothwell, D. and E. Higgs. London: Thames & Hudson, 1969a, 429–39.
- ----- 'Estimation of age and mortality', in *Science in Archaeology: A Survey of Progress and Research*, ed. Brothwell, D. and E. Higgs. London: Thames & Hudson, 1969b, 440–52.
- Geraci, G., R. del Gaudio and R. di Giaimo, 'Le analisi paleogenetiche', in Vesuvio 79 AD: Vita e Morte ad Ercolano, ed. Petrone, P.P. and F. Fedele. Naples: Fredericiana Editrice Universitaria, 2002), 85–88.
- Gershon-Cohen, J., H. Schraer and N. Blumberg. 'Hyperostosis frontalis interna among the aged', American Journal of Roentgenology, Radium Therapy & Nuclear Medicine, Vol. 73 1955: 396–97.
- Giacomelli, L., A. Perrotta, R. Scandone and C. Scarpati, 'The eruption of Vesuvius of AD 79 and its impact on human environment in Pompeii', *Episodes*, Vol. 26, No. 3, 2003: 234–38.
- Giannecchini, M. and J. Moggi-Cecchi. 'Stature in archeological samples from Central Italy: Methodological issues and diachronic changes', American Journal of Physical Anthropology, Vol. 135, No. 3, 2008: 284–92.
- Giannelli, G. (ed.), The World of Ancient Rome. London: Macdonald, 1963.
- Gilbert, B.M. and T.W. McKern, 'A method for aging the female os pubis', American Journal of Physical Anthropology, Vol. 38, 1973: 31–38.
- Gilfillan, S.C., 'Lead poisoning and the fall of Rome', *Journal of Occupational Medicine*, Vol. 7, 1965: 53–60.
- Ginge, B., M.J. Becker and P. Guldager, 'Of Roman extraction', Archaeology, Vol. 42, No. 4, 1989: 34–37.
- Giordano, C. and I. Kahn, The Jews in Pompeii, Herculaneum, Stabiae and in the Cities of Campania Felix. Napoli: Procaccini, 1979.
- Giuntoli, S., Art and History of Pompeii. Translated by Pauli, E. Edited by Martinelli, M., Bonechi Art & History Collection. Florence: Casa Editrice Bonechi, 1995.
- Glab, H., K. Szostek and K. Kaczanowski, 'Hyperostosis frontalis interna, a genetic disease?: Two medieval cases from Southern Poland', Homo: Journal of Comparative Human Biology, Vol. 57, No. 1, 2006: 19–27.
- Gladykowska-Rzecyscka, J., 'Is this a case of the Morgagni syndrome?', Journal of Palaeo-pathology, Vol. 1, 1988: 109–12.
- Goethe, J.W., *Italian Journey* (1786–1788). Translated by Auden, W.H. and E. Mayer. Middlesex: Penguin, 1970.
- Goldstein, M.S., 'The palaeopathology of human skeletal remains', in Science in Archaeology: A Survey of Progress and Research, eds. Brothwell, D. and E. Higgs. London: Thames & Hudson, 1969, 480–89.
- Goodman, A.H. and G.J. Armelagos, 'Factors affecting the distribution of enamel hypoplasias within the human permanent dentition', American Journal of Physical Anthropology, Vol. 68, 1985: 479–93.
- Gore, R., 'After 2000 years of silence: The dead do tell tales at Vesuvius', National Geographic, Vol. 165, No. 5, 1984: 556–613.
- Gould, S.J., 'Morton's ranking of races by cranial capacity: Unconscious manipulation of data may be a scientific norm', *Science*, Vol. 200, No. 4341, 1978: 503–9.
- ----The Mismeasure of Man. Middlesex: Pelican, 1984.
- —— 'The geometer of race', *Discover*, Vol. 15, No. 11, 1994: 65–69.
- Grant, M., Cities of Vesuvius: Pompeii and Herculaneum. Middlesex: Penguin, 1976.
- ——Anatomy, Descriptive and Surgical. 15th edn. New York: Bounty Books, 1977.

- Grant, M. and A. Mulas, Eros in Pompeii: The Erotic Art Collections of the Museum of Naples. New edn. New York: Stewart, Tabori & Chang, 1997.
- Gravlee, C.C., H.R. Bernard and W.R. Leonard, 'Boas's changes in bodily form: The immigrant study, cranial plasticity, and Boas's physical anthropology', *American Anthropologist*, Vol. 105, No. 2, 2003: 326–32.
- Gray, H., Anatomy, Descriptive and Surgical. Revised American from the 15th English edn. New York: Bounty Books, 1977.
- Grayson, D.K. and P.D. Sheets, 'Volcanic disasters and the archaeological record', in *Volcanic Activity and Human Ecology*, ed. Sheets, P.D. and D.K. Grayson. New York: Academic Press, 1979, 623–32.
- Greenberg, M.S., D.R. Westcott and S.E. Bailey, 'When believing is seeing: The effect of scripts on eyewitness memory', *Law and Human Behavior*, Vol. 22, No. 6, 1998: 685–94.
- Grmek, M.D., Diseases in the Ancient Greek World. Translated by Muellner, M. and L. Muellner. Baltimore: Johns Hopkins University Press, 1989.
- Gros, C., J.P. Walter, J. Girardie and A. Schmeltzer, 'Écoulements mamelonnaires lactoides et endostose cranienne', Journal de Radiologie, d'Électrologie, et de Médecine Nucléaire, Vol. 46, No. 12, 1965: 827–34.
- Grosskopf, B., 'Individualaltersbestimmung mit hilfe von zuwachsringen im zement bodengelagerter menschlicher zähne', Zeitschrift für Rechtsmedizin, Vol. 103, No. 5, 1990: 351–59.
- Grosvenor, G.M., 'An exciting year of discovery', *National Geographic*, Vol. 162, No. 6, 1982: 820–21.
- Grupe, G., 'Impact of the choice of bone samples on trace element data in excavated human skeletons', *Journal of Archaeological Science*, Vol. 15, 1988: 123–29.
- Gualdi-Russo, E., M.A. Tasca, and P. Brasili, 'Scoring of nonmetric cranial traits: A methodological approach', *Journal of Anatomy*, Vol. 195, No. 4, 1999: 543–50.
- Guarino, F.M., F. Angelini, C. Vollono and C. Orefice, 'Bone preservation in human remains from the Terme del Sarno at Pompeii using light microscopy and scanning electron microscopy', *Journal of Archaeological Science*, Vol. 33, 2006: 513–20.
- Gurioli, L., M.T. Pareschi, E. Zanella, R. Lanza, E. Deluca and M. Bisso, 'Interaction of pyroclastic density currents with human settlements: Evidence from ancient Pompeii', *Geology*, Vol. 33, No. 6, 2005: 441–44.
- Gusman, P., *Pompei: The City, its Life and Art.* Translated by Simmonds, F. and M. Jourdain. London: Heinemann, 1900.
- Gustafson, G., Forensic Odontology. London: Staples Press, 1966.
- Guzzo, P.G., A. D'Ambrosio and M. Mastroroberto (eds), Storie da un'Eruzione: Pompei, Ercolano, Oplontis: Guida alla Mostra. Milan: Electa, 2003.
- Haddon, A.C., The Races of Man and Their Distribution. Halifax, Nova Scotia: Milner, 1912.
- Haglund, W., 'Forensic "art" in human identification', in Craniofacial Identification in Forensic Medicine, ed. Clement, J.G. and D.L. Ranson. London: Arnold, 1998, 235–43.
- Halffman, C.M. and J.D. Irish, 'Palatine torus in the pre-conquest inhabitants of the Canary Islands', *Homo: Journal of Comparative Human Biology*, Vol. 55, No. 1–2, 2004: 101–11.
- Halffman, C.M., G.R. Scott and P.O. Pedersen, 'Palatine torus in the Greenlandic Norse', American Journal of Physical Anthropology, Vol. 88, No. 2, 1992: 145–61.
- Hamilton, W., Observations on Mt Vesuvius, Mt Etna and Other Volcanoes in a Series of Letters Addressed To the Royal Society ... To Which Are Added Notes by the Author, Hitherto Unpublished. London: Royal Society, 1774.
- Hammond, N., 'Ancient cities', Scientific American, Vol. 5, No. 1: Special Issue, 1994: 4-9.

- Hanihara, T. and H. Ishida, 'Os incae: Variation in frequency in major human population groups', *Journal of Anatomy*, Vol. 198, No. 2, 2001a: 137–52.
- ——'Frequency variations of discrete cranial traits in major human populations. I. Supernumerary ossicle variations', *Journal of Anatomy*, Vol. 198, No. 6, 2001b: 689–706.
- Hanihara, T., H. Ishida and Y. Dodo, 'Characterization of biological diversity through analysis of discrete cranial traits', American Journal of Physical Anthropology, Vol. 121, No. 3, 2003; 241–51.
- Hansell, A. and C. Oppenheimer, 'Health hazards from volcanic gases: A systematic literature review', *Archives of Environmental Health*, Vol. 59, No. 12, 2004: 628–39.
- Hansell, A.L., C.J. Horwell and C. Oppenheimer, 'The health hazards of volcanoes and geothermal areas', *Occupational & Environmental Medicine*, Vol. 63, No. 2, 2006: 149–56.
- Harman, M., T.I. Molleson and J.L. Price, 'Burials, bodies and beheadings in Romano-British and Anglo-Saxon cemeteries', *Bulletin of the British Museum of Natural History (Geology)*, Vol. 35, No. 3, 1981: 145–88.
- Harrison, G.A., J.S. Weiner, J.M. Tanner and N.A. Barnicot, *Human Biology: An Introduction to Human Evolution and Growth*. Oxford: Clarendon Press, 1964.
- Hauser, G. and G.F. de Stefano, *Epigenetic Variants of the Human Skull*. Stuttgart: Schweizerbart, 1989.
- Hauser, G., A. Vienna and G.F. de Stefano, 'Epigenetic cranial traits in Etruscan skulls', Anthropologie, Vol. 30, No. 1, 1992: 75–80.
- Hay, J. Ancient China. London: Bodley Head, 1973.
- Henneberg, M. and R. Henneberg, 'Skeletal material from the house of C. Iulius Polybius in Pompei, 79 AD', in *La Casa di Giulio Polibio: Studi Interdisciplinari*, ed. Ciarallo, A. and E. De Carolis. Pompei: Centro Studi arti Figurative, Università di Tokio, 2001, 79–92.
- Henneberg, M. and R.J. Henneberg, 'Reconstructing medical knowledge in ancient Pompeii from the hard evidence of bones and teeth (Presented at a conference at Deutsches Museum, Munich 21–22 March 2000)', in *Homo Faber: Studies in Nature, Technology and Science at the Time of Pompeii*, ed. Renn, J. and G. Castagnetti. Rome: L'Erma di Bretschneider, 2002, 169–87.
- Henneberg, M., R.J. Henneberg and A. Ciarallo, 'Skeletal material from the house of C. Iulius Polybius in Pompeii, 79 AD', *Human Evolution*, Vol. 11, No. 3, 1996: 249–59.
- Henschen, F., Morgagni's Syndrome: Hyperostosis Frontalis Interna, Virilismus, Obesitas. Edinburgh: Oliver & Boyd, 1949.
- Herbet, D. and F. Bardossi, Kilauea: Case History of a Volcano. New York: Harper & Row, 1968.
- Herrmann, N.P. and L.W. Konigsberg, 'A re-examination of the age-at-death distribution of Indian Knoll', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J.W. Vaupel, *Cambridge Studies in Biological and Evolutionary Anthropology*. Cambridge: Cambridge University Press, 2002, 243–57.
- Hershkovitz, I., C. Greenwald, B.M. Rothschild, B. Latimer, O. Dutour, L.M. Jellema and S. Wish-Baratz, 'Hyperostosis frontalis interna: An anthropological perspective', American Journal of Physical Anthropology, Vol. 109, 1999: 303–25.
- Hicks, M., 'Exhibiting human remains: A provocative seminar', in *Collected Papers from Exhibiting Human Remains, a Seminar on 12 May 2000*. The Powerhouse Museum, Sydney: Health & Medicine Museums, 2001.
- ——'Displaying the dead', History Teachers' Association of New South Wales, Vol. 40, No. 1, 2006: 30–32.

- Higgins, V., 'A preliminary analysis of some of the early medieval human skeletons from San Vincenzo al Volturno', in San Vincenzo al Volturno: The Archaeology, Art and Territory of an Early Medieval Monastery, ed. Hodges, R. and J. Mitchell, B.A.R. International Series 252. Oxford: British School at Rome (BAR), 1985, 111–22.
- ——'A model for assessing health patterns from skeletal remains', in *Burial Archaeology: Current Research, Methods and Developments*, ed. Roberts, C.A., F. Lee and J. Bintliff, *211* Oxford: BAR, 1989, 175–204.
- ---- 'Rural agricultural communities of the late Roman and early Medieval periods including a study of two skeletal groups from San Vincenzo al Volturno', unpublished PhD thesis Sheffield: University of Sheffield, 1990.
- Hillson, S., Teeth, Cambridge Manuals in Archaeology. Cambridge: Cambridge University Press, 1986.
- ——Dental Anthropology. Cambridge: Cambridge University Press, 1996.
- Hoffman, A., A History of Dentistry. Translated by Koehler, H.M. Chicago, Illinois: Quintessence Publishing Co, 1981.
- Holcomb, S.M.C. and L.W. Konigsberg. 'Statistical study of sexual dimorphism in the human foetal sciatic notch', American Journal of Physical Anthropology, Vol. 97, 1995: 113–25.
- Holman, D.J., J.W. Wood and K.A. O'Connor, 'Estimating age-at-death distributions from skeletal samples: Multivariate latent-trait approach', in *Paleodemography: Age Distributions* from Skeletal Samples, ed. Hoppa, R.D. and J.W. Vaupel, Cambridge Studies in Biological and Evolutionary Anthropology. Cambridge: Cambridge University Press, 2002, 193–221.
- Holt, C.A., 'A re-examination of parturition scars on the human female pelvis', American Journal of Physical Anthropology, Vol. 49, 1978: 91–94.
- Hoppa, R.D., 'Paleodemography: Looking back and thinking ahead', in Paleodemography: Age Distributions from Skeletal Samples, ed. Hoppa, R.D. and J.W. Vaupel, Cambridge Studies in Biological and Evolutionary Anthropology. Cambridge: Cambridge University Press, 2002, 9–28.
- Hoppa, R.D. and J.W. Vaupel (eds), *Paleodemography: Age Distributions from Skeletal Samples* Cambridge: Cambridge University Press, 2002.
- "The Rostock Manifesto for paleodemography: The way from stage to age', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J.W. Vaupel, *Cambridge Studies in Biological and Evolutionary Anthropology*. Cambridge: Cambridge University Press, 2002, 1–8.
- Houghton, P., 'The relationship of the pre-auricular groove of the ilium to pregnancy', American Journal of Physical Anthropology, Vol. 41, 1974: 381–89.
- Howells, W.W., 'The early Christian Irish: The skeletons at Gallen Priory', Proceedings of the Royal Irish Academy, Vol. 46 (Section C), 1941: 103–219.
- ---- 'Criteria for selection of osteometric dimensions', American Journal of Physical Anthropology, Vol. 30, 1969: 451–57.
- 'The use of multivariate techniques in the study of skeletal populations', American Journal of Physical Anthropology, Vol. 31, 1969: 311–14.
- ——Cranial Variation in Man: A Study by Multivariate Analysis of Patterns of Difference among Recent Populations. Vol. 67, Papers of the Peabody Museum of Archaeology and Ethnology. Cambridge, Massachusetts: Harvard University, 1973.
- ——Skull Shapes and the Map: Craniometric Analyses in the Dispersion of Modern Homo. Vol. 79, Papers of the Peabody Museum of Archaeology and Ethnology. Cambridge, Massachusetts: Harvard University, 1989.
- Hrycek, A., B. Bloch and I. Szoltysik, 'Morgagni-Stewart-Morel Syndrome in a young man', Wiadomosci Lekarskie, Vol. 42, No. 19–21, 1989: 1060–63.

- Huybers, J.A., 'Within the enclosure at Pompeii: Some recent excavations', *The Nation*, Vol. 101, No. 2635, 1915: 788.
- Ikram, S. and A. Dodson, *The Mummy in Ancient Egypt: Equipping the Dead for Eternity*. London: Thames & Hudson, 1998.
- Iscan, M.Y. and S.R. Loth, 'Osteological manifestations of age in the adult', in *Reconstruction of Life from the Skeleton*, ed. Iscan, M.Y. and K.A.R. Kennedy. New York: Alan R. Liss, 1989, 23–40.
- Jackes, M.K., 'Paleodemography: Problems and techniques', in Skeletal Biology of Past Peoples: Research Methods, ed. Saunders, S.R. and M.A. Katzenberg. New York: Wiley-Liss, 1992, 189–224.
- Jackson, R., 'Roman doctors and their instruments: Recent research into ancient practice', Journal of Roman Archaeology, Vol. 3, 1990: 5–27.
- Jackson, R. and S. La Niece, 'A set of Roman medical instruments from Italy', *Britannia*, Vol. 17, 1986: 119–67.
- Jacobssen, H. and M. Haverling, 'Hyperostosis cranii: Radiography and scintigraphy compared', Acta Radiologica, Vol. 29, 1998: 223–26.
- Jaffe, H.L. Metabolic, Degenerative and Inflammatory Diseases of Bones and Joints. Philadelphia: Lea & Febiger, 1972.
- Janssens, P.A., Palaeopathology: Diseases and Injuries of Prehistoric Man. London: Baker, 1970.
- Jashemski, W.F., The Gardens of Pompeii, Herculaneum and the Villas Destroyed by Vesuvius. New York: Caratzas Brothers, 1979a.
- —— 'Pompeii and Mt Vesuvius AD 79', in Volcanic Activity and Human Ecology, ed. Sheets, P. D. and D.K. Grayson. New York: Academic Press, 1979b, 587–622.
- ——'The Vesuvian sites before AD 79: The archaeological, literary and epigraphical evidence', in *The Natural History of Pompeii*, ed. Jashemski, W.F. and F.G. Meyer. Cambridge: Cambridge University Press, 2002, 6–28.
- Jongman, W., 'Gibbon was right: The decline and fall of the Roman economy', in Crises and the Roman Empire. Proceedings of the Seventh Workshop of the International Network Impact of Empire (Nijmegen, June 20–24, 2006), ed. Hekster, O., G. de Kleijn and D. Slootjes. Leiden: Brill, 2007.
- Jongman, W., P.W. De Neeve and H.W. Pleket (eds), The Economy and Society of Pompeii. Vol. 4, Dutch Monographs on Ancient History and Archaeology. Amsterdam: J.C. Gieber, 1988.
- Judge, J., 'On the slope of Vesuvius a buried town gives up its dead', National Geographic, Vol. 162, No. 6, 1982: 686–93.
- Junqueira, L.C.U., J. Carneiro and A.N. Contopoulos. Basic Histology. California: Lange Medical, 1975.
- Kamminga, J. and R.V.S. Wright. 'The upper cave at Zhoukoudian and the origins of the Mongoloids', Journal of Human Evolution, Vol. 17, 1988: 739–67.
- Kappers, C.U.A. and L.W. Parr, An Introduction to the Anthropology of the Near East in Ancient and Recent Times. Amsterdam: Noord-hollandsche uitgeversmaatschappij, 1934.
- Kaszycka, K.A. and J. Strziko. "Race" Still an issue for physical anthropology? Results of Polish studies seen in the light of the US findings', *American Anthropologist*, Vol. 105, No. 1, 2003: 116–24.
- Katz, D. and J.M. Suchey, 'Age determination of the male os pubis', American Journal of Physical Anthropology, Vol. 69, 1986: 427–35.
- Katzenberg, M.A. and R. White, 'A paleodemographic analysis of os coxae from Ossossane Ossuary', Canadian Review of Physical Anthropology, Vol. 1, 1979: 10–28.

- Kayshap, V.K. and N.R. Koteswara Rao, 'A modified Gustafson method of age estimation from teeth', *Forensic Science International*, Vol. 47, No. 3, 1990: 237–47.
- Kelley, M.A., 'Phenice's visual sexing technique for the os pubis: A critique', American Journal of Physical Anthropology, Vol. 48, 1978: 121–22.
- ——'Parturition and pelvic changes', American Journal of Physical Anthropology, Vol. 51, 1979: 541–46.
- Kellock, W.L. and P.A. Parsons, 'Variation of minor non-metrical cranial variants in Australian Aborigines', *American Journal of Physical Anthropology*, Vol. 32, 1970: 409–21.
- Kemkes-Grottenthaler, A., 'Aging through the ages: Historical perspectives on age indicator methods', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J. W. Vaupel, *Cambridge Studies in Biological and Evolutionary Anthropology*. Cambridge: Cambridge University Press, 2002, 48–72.
- Kendall, M.G., A Course in Multivariate Analysis. London: Griffin, 1972.
- Kennedy, G.E., 'The relationship between auditory exostoses and cold water: A latitudinal analysis', *American Journal of Physical Anthropology*, Vol. 71, 1986: 401–15.
- Kennedy, K.A.R., 'Skeletal markers of occupational stress', in *Reconstruction of Life from the Skeleton*, ed. Iscan, M.Y. and K.A.R. Kennedy. New York: Alan R. Liss, 1989, 129–60.
- Kerdpon, D. and S. Sirirungrojying, 'A clinical study of oral tori in southern Thailand, prevalence and the relation to parafunctional activity', *European Journal of Oral Sciences*, Vol. 107, No. 1, 1999: 9–13.
- Kerley, E.R., 'The microscopic determination of age in human bone', *American Journal of Physical Anthropology*, Vol. 23, 1965: 149–64.
- Kimball, J.W., Kimball's Biology Pages: Hormones of the Reproductive System: Females (2008 July 29: latest update), http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/S/SexHormones. html (accessed 30 July 2008).
- King, A., 'Mammals: Evidence from wall paintings, sculpture, mosaics, faunal remains and ancient literary sources', in *The Natural History of Pompeii*, ed. Jashemski, W.F. and F.G. Meyer. Cambridge: Cambridge University Press, 2002, 401–50.
- Kirkup, J. The Evolution of Surgical Instruments: An Illustrated History from Ancient Times to the Twentieth Century. Novato, California: Norman Publishing, 2006.
- Kiss, C., T.W. O'Neill, M. Mituszova, M. Szilágyi, and G. Poór, 'The prevalence of diffuse idiopathic skeletal hyperostosis in a population-based study in Hungary', *Scandinavian Journal of Rheumatology*, Vol. 31, No. 4, 2002: 226–29.
- Kiss, C., M. Szilágyi, A. Paksy, and G. Poór, 'Risk factors for diffuse idiopathic skeletal hyperostosis: A case-control study', *Rheumatology*, Vol. 41, No. 1, 2002: 27–30.
- Knight, B., Forensic Pathology. 2nd edn. London: Arnold, 1996.
- Koller, M.F., A. Papassotiropoulos, K. Henke, B. Behrends, S. Noda, A. Kratzer, C. Hock and M. Hofmann, 'Evidence of a genetic basis of Morgagni–Stewart–Morel Syndrome: A case report of identical twins', *Neurodegenerative Diseases*, Vol. 2, No. 2, 2005: 56–60.
- Kollin, E. and T. Fehér, 'Androgens, bone mineral content and hyperostosis frontalis interna in pre-menopausal women', *Experimental Clinical Endocrinology*, Vol. 87, 1986: 211–14.
- Konigsberg, L.W. and N.P. Herrmann, 'Markov Chain Monte Carlo estimation of hazard model parameters in paleodemography', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J.W. Vaupel, *Cambridge Studies in Biological and Evolutionary Anthropology*. Cambridge: Cambridge University Press, 2002, 222–42.
- Konigsberg, L.W., L.A.P. Kohn and J.M. Chevrud, 'Cranial variation and nonmetric trait variation', American Journal of Physical Anthropology, Vol. 90, 1993: 35–48.

- Kosloski-Ostrow, A., The Sarno Bath Complex: Architecture in Pompeii's Last Years. Monographie 4, Ministero per i Beni Culturali ed Ambientali, Soprintendenza Archeologia di Pompei. Rome: 'L'Erma' di Bretschneider, 1990.
- Kowalski, C.J., 'A commentary on the use of multivariate statistical methods in anthropometric research', *American Journal of Physical Anthropology*, Vol. 36, 1972: 119–31.
- Kozlowski, K. and P. Beighton, Gamut Index of Skeletal Dysplasias: An Aid to Radiodiagnosis. Berlin: Springer, 1984.
- Krafft, M., Volcanoes: Fire from the Earth. Translated by Bahn, P.G. London: Thames & Hudson, 1993.
- Kroeber, A.L., Anthropology: Race, Language, Culture, Psychology, Prehistory. 2nd edn. New York: Harcourt Brace, 1948.
- Krogman, W.M., 'The concept of race', in *The Science of Man in the World Crisis*, ed. Linton, R. New York: Columbia University Press, 1945, 38–62.
- ——The Human Skeleton in Forensic Medicine. Springfield, Illinois: Charles C. Thomas, 1962.
- Krogman, W.M. and M.Y. Iscan, *The Human Skeleton in Forensic Medicine*. 2nd edn. Springfield, Illinois: Charles, C. Thomas, 1986.
- Kunze, J. and I. Nippert, Genetics and Malformations in Art. Berlin: Grosse, 1986.
- Kunze, M., 'Zu Winckelmann's Schriften über Herkulaneum und Pompeji', in Pompeji: 79–1979: Beiträge Zum Vesuvausbruch und seiner Nachwirkung, ed. Kunze, M. Stendal: Beiträge der Winckelmann Gesellschaft, 1982, 25–39.
- La Rocca, E., M. De Vos, and A. De Vos, *Guida Archeologica di Pompei*. 1st edn. Verona, Italy: Arnoldo Mondadori, 1976.
- Langsjoen, O., 'Diseases of the dentition', in *The Cambridge Encyclopedia of Human Paleopathology*, ed. Aufderheide, A.C. and C. Rodriguez-Martin. Cambridge: Cambridge University Press, 1998, 393–412.
- Lasker, G.W., *Physical Anthropology*. 2nd edn. New York: Holt, Rinehart & Winston, 1976. Laurence, R., *Roman Pompeii: Space and Society*. London: Routledge, 1994.
- Lazer, E., 'The people of Pompeii', in *Pompeii Revisited: The Life and Death of a Roman Town*, ed. Harrison, D. Sydney: Meditarch, 1994, 144–49.
- ——'Human Skeletal Remains in Pompeii: Vols. I and II.' unpublished PhD thesis, Department of Anatomy and Histology. Sydney: University of Sydney, 1995.
- ——'Revealing secrets of a lost city', *The Medical Journal of Australia*, Vol. 165, No. 11/12, 1996: 620–23.
- ——'Pompeii AD 79: A population in flux?', in *Sequence and Space in Pompeii*, ed. Bon, S.E. and R. Jones. Oxford: Oxbow Monograph 77, 1997a, 102–20.
- ——'Human skeletal remains in the Casa del Menandro: Appendix F', in *The Insula of the Menander at Pompeii*, ed. Ling, R. Oxford: Clarendon Press, 1997b, 342–43.
- ——"Human skeletal remains in Pompeii: A physical anthropological study of the victims of the AD 79 eruption of Mt Vesuvius" in Abstracts from XV Congress of the International Federation of Associations of Anatomists and the 4th International Malpighi Symposium', *Italian Journal of Anatomy and Embryology*, Vol. 104 (Supplement No.1) 1999: 388.
- ——Report on the Excavation of the Cadia Cemetery, Cadia Road, Cadia, NSW, 1997–98. Vol. 4: Skeletal Report: Unpublished report for Cadia Holdings. Orange, NSW: Edward Higgin-botham & Associates, 2001.
- ----- 'Resti umani scheletrici nella Casa del Menandro', in Menander: La Casa del Menandro di Pompei, ed. Stefani, G. Milan: Electa, 2003, 64–69.
- ——'Victims of the cataclysm', in *The World of Pompeii*, ed. Foss, P.W. and J.J. Dobbins. London: Routledge, 2007.

- Leppmann, W., Pompeii in Fact and Fiction. London: Elek, 1968.
- Lichtenstein, L., Diseases of Bone and Joints. Saint Louis, Missouri: Mosby, 1970.
- Lieberman, L., R.C. Kirk and A. Littlefield, 'Exchange across difference: The status of the race concept – Perishing paradigm: Race – 1931–99', American Anthropologist, Vol. 105, No. 1, 2003: 110–13.
- Limeback, H., 'The relationship between oral health and systemic infections among elderly residents of chronic care facilities: A review 1', *Gerodontology*, Vol. 7, No. 3–4, 1988: 131–37.
- Ling, R., 'The Insula of the Menander at Pompeii: Interim report', *Antiquity Journal*, Vol. 63, 1983: 34–57.
- —— 'La Casa del Menandro', in Menander: La Casa del Menandro di Pompei, ed. Stefani, G. Milan: Electa, 2003, 10–45.
- ——Pompeii: History, Life and Afterlife. Stroud, Gloucestershire: Tempus, 2005.
- Lirer, L., T. Pescatore, B. Booth, and G.L. Walker, 'Two Plinian pumice-fall deposits from Somma-Vesuvius, Italy', Geological Society of America Bulletin, Vol. 84, 1973: 759–72.
- Lisowski, F.P., 'Prehistoric and early trepanation', in *Diseases in Antiquity: A Survey of the Diseases, Injuries and Surgery of Early Populations*, ed. Brothwell, D.R. and A.T. Sandison. Springfield, Illinois: Charles C. Thomas, 1967, 651–72.
- Liversidge, H.M., 'Accuracy of age estimation from developing teeth of a population of known age (0–5.4 years)', *International Journal of Osteoarchaeology*, Vol. 4, 1994: 37–45.
- Liversidge, M.J.H., 'Representing Rome: Catalogue I', in *Imagining Rome: British Artists and Rome in the Nineteenth Century*, ed. Liversidge, M.J.H. and C. Edwards. London: Merrell Holberton, 1996, 70–134.
- Lorentsen, M. and T. Solheim, 'Age assessment based on translucent dentine', *Journal of For-ensic Odontostomatology*, Vol. 7, No. 2, 1989: 3–9.
- Love, B. and H.G. Müller, 'A solution to the problem of obtaining a mortality schedule for paleodemographic data', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J.W. Vaupel, *Cambridge Studies in Biological and Evolutionary Anthropology* Cambridge: Cambridge University Press, 2002, 181–92.
- Lovejoy, C.O., 'Dental wear in the Libben population: Its functional pattern and role in the determination of adult skeletal age at death', American Journal of Physical Anthropology, Vol. 68, 1985: 47–56.
- Lovejoy, C.O., R.S. Meindl, R.P. Mensworth and T.J. Barton, 'Multifactorial determination of skeletal age at death: A method and blind tests of its accuracy', American Journal of Physical Anthropology, Vol. 68, 1985a: 1–14.
- Lovejoy, C.O., R.S. Meindl, T.R. Pryzbeck and R.P. Mensworth, 'Chronological metamorphosis of the auricular surface of the ilium: A new method for the determination of adult skeletal age at death', American Journal of Physical Anthropology, Vol. 68, 1985b: 15–28.
- Lullies, R. and W. Schiering, Archäologenbildnisse: Porträts und Kurzbiograhien von Klassischen Archäologen Deutscher Sprache. Zabern: Verlag, 1988.
- Luongo, G., A. Perrotta and C. Scarpati, 'Impact of the AD 79 explosive eruption on Pompeii, I: Relations amongst the depositional mechanisms of the pyroclastic products, the framework of the buildings and the associated destructive events', *Journal of Volcanology and Geothermal Research*, Vol. 126, No. 3–4, 2003a: 201–23.
- Luongo, G., A. Perrotta, C. Scarpati, E. De Carolis, G. Patricelli and A. Ciarallo, 'Impact of the AD 79 explosive eruption on Pompeii, II: Causes of death of the inhabitants inferred by stratigraphic analysis and areal distribution of the human casualties', *Journal of Volcanology* and Geothermal Research, Vol. 126, No. 3–4, 2003b: 169–200.
- MacKenzie, W.M.C., Pompeii: Painted by Alberto Pisa. London: A. & C. Black, 1910.

- MacLaughlin, S.M. and M.F. Bruce, 'A simple univariate technique for determining sex from fragmentary femora: Its application to a Scottish short cist population', *American Journal of Physical Anthropology*, Vol. 67, 1985: 413–17.
- Maiuri, A., La Casa del Menandro e il Suo Tesoro di Argenteria. Rome: La Libreria dello Stato, 1933.
- ——Pompei. 2nd edn. Novara, Italy: Istituto Geografico de Agostini, 1943.
- ---- 'Last moments of the Pompeians', National Geographic, Vol. 120, 1961: 651-69.
- ——Pompeii: The New Excavations, the Villa dei Misteri, the Antiquarium. Translated by Priestley, V. 7th edn. Rome: Istituto Poligrafico dello Stato, 1962.
- ----- 'Pompeii (Reprinted from 1958 issue)', Scientific American, Vol. Special Issue 1994: 78-85.
- Majno, G., The Healing Hand: Man and Wound in the Ancient World. 1991 edn. Cambridge, Massachusetts: Harvard University Press, 1975.
- Manchester, K., The Archaeology of Disease. Bradford: University of Bradford, 1983.
- Manly, B.F.J., Multivariate Statistical Methods: A Primer. London: Chapman & Hall, 1986.
- Margetts, E.L., 'Trepanation of the skull by the medicine men of primitive cultures, with particular reference to present-day native East African practice', in *Diseases in Antiquity: A Survey of the Diseases, Injuries and Surgery of Early Populations*, ed. Brothwell, D.R. and A.T. Sandison. Springfield, Illinois: Charles C. Thomas, 1967, 673–701.
- Martin, L.D., A.H. Goodman, G.J. Armelagos and A.L. Magennis, Black Mesa Anasazi Health: Reconstructing Life from Patterns of Death and Disease. Vol. 14, Occasional Paper Carbonale, Illinois: Center for Archaeological Investigations: Southern Illinois University at Carbondale, 1991.
- Martin, R. and K. Saller, Lebrbuch der Anthropologie in Systematischer Darstellung mit Besonderer Berucksichtigung der Anthropologischen Methoden. Vol. 2. Stuttgart: Fisher, 1959.
- Massa, A., The World of Pompeii. London: Routledge, 1972.
- Mastrolorenzo, G. and P.P. Petrone, 'Nuove evidenze sugli effetti dell'eruzione del 79d.C. ad Ercolano da ricerche biogeoarcheologiche', *Forma Urbis*, Vol. 10, No. 3: Edizione speciale: La rinascita di Ercolano, 2005: 31–34.
- Mastrolorenzo, G., P.P. Petrone, M. Pagano, A. Icoronato, P.J. Baxter, A. Canzanella and L. Fattore, 'Archaeology: Herculaneum victims of Vesuvius in AD 79', *Nature*, Vol. 410, No. 6830, 2001: 769–70.
- Mau, A., *Pompeii: Its Life and Art.* Translated by Kelsey, F.W. 1907 edn. London: Macmillan, 1907. Maulucci, F.P., *Pompeii*. Naples: Carcavallo, 1987.
- Mays, S., The Archaeology of Human Bones. London: Routledge, 1998.
- McGeorge, P.J.P., 'The interpretation of social structure through the analysis of non-metrical skeletal variation in the LM III population at Armenoi Rethymnon, Abstract', in *Future Directions in Greek Archaeology Conference*, 28th–30th August, ed. Renfrew, A.C. and A.M. Snodgrass. Cambridge: Cambridge University Press, 1986.
- McKern, S.S. and T.W. McKern, Living Prehistory: An Introduction to Physical Anthropology and Archaeology. California: Cummings, 1974.
- McKern, T.W. and T.D. Stewart, 'Skeletal Age Changes in Young American Males Analysed from the Standpoint of Age Identification: Technical Report EP-45', Natick, Massachusetts: Headquarter Quarter Master Research and Development Command, 1957.
- MedicineNet, Definition of Relaxin (2000 8 June: latest update); from MedicineNet.com: Online Medical Dictionary and Glossary, http://www.medterms.com/script/main/art.asp?articlekey=1 3411 (accessed 30 July 2008).
- Meindl, R.S. and C.O. Lovejoy, 'Ectocranial suture closure: A revised method for the determination of skeletal age at death based on the lateral-anterior sutures', American Journal of Physical Anthropology, Vol. 68, 1985: 57–66.

- Meindl, R.S., C.O. Lovejoy, R.P. Mensforth and R.A. Walker, 'A revised method of age determination using the os pubis, with a review and tests of accuracy of other current methods of pubic symphyseal aging', American Journal of Physical Anthropology, Vol. 68, No. 1, 1985: 29–45.
- Merbs, C.F., 'Trauma', in *Reconstruction of Life from the Skeleton*, ed. Iscan, M.Y. and K.A.R. Kennedy. New York: Alan R. Liss, 1989, 161–89.
- Meyer, D.H. and P.M. Fives-Taylor, 'Oral pathogens: from dental plaque to cardiac disease', *Current Opinion in Microbiology*, Vol. 1, No. 1, 1998: 88–95.
- Miles, A.E.W., 'Assessment of the ages of a population of Anglo-Saxons from their dentitions', *Proceedings of the Royal Society of Medicine*, Vol. 55, 1962: 881–86.
- ——'Teeth as an indicator of age in man', in *Development, Function and Evolution of Teeth*, ed. Butler, P.M. and K.A. Joysey. New York: Academic Press, 1978, 455–64.
- Mittler, D.M. and D.P. van Gerven, 'Developmental, diachronic, and demographic analysis of cribra orbitalia in the medieval Christian populations of Kulubnarti', American Journal of Physical Anthropology, Vol. 93, 1994: 287–97.
- Molleson, T., M. Cox, A.H. Waldron and D.K. Whittaker, The Spitalfields Project. Vol. 2: The Anthropology: The Middling Sort, Council for British Archaeology Research Report 86. York, UK: Council for British Archaeology, 1993.
- Molleson, T.I., 'The archaeology and anthropology of death: What the bones tell us', in *Mortality and Immortality: The Anthropology and Archaeology of Death*, ed. Humphreys, S.C. and H. King. London: Academic Press, 1981, 15–32.
- ——'Urban bones: The skeletal evidence for environmental change', in *Actes des Troisièmes Journées Anthropologiques de Valbonne*, *Notes et Monographies Techniques*. Paris: Editions du CNRS, 1987, 143–58.
- ——, 'Social implications of mortality patterns of juveniles from Poundbury Camp, Romano—British Cemetery', *Anthropologischer Anzeiger*, Vol. 47, 1989: 27–38.
- Molloy, J., L.F. Wolff, A. Lopez-Guzman, and J.S. Hodges, 'The association of periodontal disease parameters with systemic medical conditions and tobacco use', *Journal Of Clinical Periodontology*, Vol. 31, No. 8, 2004: 625–32.
- Molnar, S., Races, Types and Ethnic Groups: The Problems of Human Variation. New Jersey: Prentice-Hall, 1975.
- Monnier, M., *The Wonders of Pompeii by Marc Monnier* (Project Gutenberg, 2005/12/12 Release date), http://www.gutenberg.org/etext/17290 (accessed 4 July 2006).
- Moore, S., Hyperostosis Cranii (Stewart-Morel Syndrome, Metabolic Craniopathy, Morgagni's Syndrome, Stewart-Morel-Moore Syndrome (Ritvo), le Syndrome de Morgagni-Morel). Springfield, Illinois: Charles C. Thomas, 1955.
- Moorman, E.M., 'Literary evocations of ancient Pompeii', in *Tales from an Eruption: Pompeii*, Herculaneum, Oplontis: Guide to the Exhibition, ed. Guzzo, P.G. Milan: Electa, 2003, 14–33.
- Morant, G.M., The Races of Europe. London: Allen & Unwin, 1939.
- Moroney, M.J., Facts from Figures. 1st edn. Middlesex: Penguin, 1955.
- Morton, S.G., Crania Americana or, a Comparative View of the Skulls of Various Aboriginal Nations of North and South America. Philadelphia: John Pennington, 1839.
- Crania Aegyptiaca; or Observations on Egyptian Ethnography Derived from Anatomy, History and the Monuments. Philadelphia: John Pennington, 1844.
- Moscati, S., 'Pompeii: The resurrection of a city', in *Vanished Civilizations*, ed. Readers' Digest Association. Sydney: Readers' Digest, 1983.
- Moss, M.L. 'The pathogenesis of artificial cranial deformation', American Journal of Physical Anthropology, Vol. 16, 1958: 269–86.

- Mulhern, D.M., C.A. Wilczak and J.C. Dudar, 'Brief communication: Unusual finding at Pueblo Bonito: Multiple cases of hyperostosis frontalis interna', *American Journal of Physical Anthropology*, Vol. 130, No. 4, 2006: 480–84.
- Nappo, S.C., 'Il rinvenimento delle vittime dell'eruzione del 79 d.C. nella Regio 1 insula 22', *Hydria*, Vol. 63, No. 19, 1992: 16–18.
- Neidburger, E.J. 'Enamel hypoplasias: Poor indicators of dietary stress', American Journal of Physical Anthropology, Vol. 82, 1990: 231–32.
- Néret, G. (ed.), Napoleon and the Pharaohs: Description of Egypt. Cologne: Taschen, 2001.
- Neumann, K., Rabaul: Yu Swit Moa Yet: Surviving the 1994 Volcanic Eruption. Oxford: Oxford University Press, 1996.
- Nicolucci, G., 'Crania Pompeiana: Descrizione de' crani umani rinvenuti fra le ruine dell' antica Pompei', Atti della R. Accademia delle Scienze Fisiche e Matematiche, Vol. 9, No. 10, 1882: 1–26.
- Nolan, M.L., 'Impact of paricutin on five communities', in *Volcanic Activity and Human Ecology*, ed. Sheets, P.D. and D.K. Grayson. New York: Academic Press, 1979, 293–338.
- Oliver, G., Practical Anthropology. Springfield, Illinois: Charles C. Thomas, 1969.
- O'Reilly, P.G. and N.M. Claffey, 'A history of oral sepsis as a cause of disease', *Periodontology* 2000, Vol. 23, No. 1, 2000: 13–18.
- Oriente, P., A. Del Puente, A. Lorizio and A. Brunetti, 'Studio della densità minerale ossea negli scheletri di età Romana rinvenuti in Pompei nella Casa di Polibio', in *La Casa di Giulio Polibio: Studi Interdisciplinari*, ed. Ciarallo, A. and E. De Carolis. Pompei: Centro Studi arti Figurative, Università di Tokio, 2001, 107–10.
- Ortner, D.J., Identification of Pathological Conditions in Human Skeletal Remains. 2nd edn. San Diego: Academic Press, 2003.
- Ortner, D.J. and W.G.J. Putschar, *Identification of Pathological Conditions in Human Skeletal Remains*. Vol. 28, Smithsonian Contributions to Anthropology. Washington: Smithsonian Institution Press, 1981.
- Osborne, D., 'The archaeological determination of diet and natural resources and the case for cooperation', American Journal of Physical Anthropology, Vol. 30, 1969: 439–42.
- Ossenberg, N.S., 'The influence of artificial cranial deformation on discontinuous morphological traits', *American Journal of Physical Anthropology*, Vol. 33, 1970: 357–71.
- Owings Webb, P.A. and J.M. Suchry, 'Epiphyseal union of the anterior iliac crest and the medial clavicle in a modern multiracial sample of American males and females', *American Journal of Physical Anthropology*, Vol. 68, 1985: 457–66.
- Pagano, M., 'L'antica Ercolano', in Vesuvio 79 AD: Vita e Morte ad Ercolano, ed. Petrone, P.P. and F. Fedele. Naples: Fredericiana Editrice Universitaria, 2002, 55–66.
- ——'I calchi in archeologia: Ercolano e Pompei', in *Storie da un'Eruzione: Pompei, Ercolano, Oplontis: Guida alla Mostra*, ed. d'Ambrosio, A., P.G. Guzzo and M. Mastroroberto. Milan: Electa, 2003, 122–23.
- Pain, S., 'Pompeii's electronic guide', New Scientist, Vol. 1815, 1992: 22-23.
- Paine, R.R. and J.L. Boldsen, 'Linking age-at-death distributions and ancient population dynamics', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J. W. Vaupel. Cambridge: Cambridge University Press, 2002, 169–80.
- Pal, G.P., B.P. Tamankar, R.V. Routal and S.S. Bhagwat, 'The ossification of the membranous part of the squamous occipital bone in man', *Journal of Anatomy*, Vol. 138, 1984: 259–66.
- Pappalardo, U., 'L'eruzione pliniana del Vesuvio nel 79 d.C.: Ercolano', in Volcanology and Archaeology, ed. Albore Livadie, C. and F. Widerman. Strasburg: Council of Europe, 1900, 197–215.

- Pardoe, C., 'Prehistoric Human Morphological Variation in Australia', unpublished PhD thesis. Canberra: Australian National University, 1984.
- Parkin, T.G., Demography and Roman Society. Baltimore: Johns Hopkins University Press, 1992.
- ——Old Age in the Roman World: A Cultural and Social History. Baltimore: Johns Hopkins University Press, 2003.
- Parslow, C.C., Rediscovering Antiquity: Karl Weber and the Excavation of Herculaneum, Pompeii and Stabiae. Cambridge: Cambridge University Press, 1995.
- Patrik, L.E., 'Is there an archaeological record?', in Advances in Archaeological Method and Theory, ed. Schiffer, M.B. Orlando, Florida: Academic Press, 1985), 27–62.
- Pawlikowski, M. and J. Komorowski, 'Hyperostosis frontalis interna and the Morgagni–Stewart–Morel Syndrome', *Lancet*, Vol. 1, No. 8322, 1983: 474.
- Pellegrino, C., Ghosts of Vesuvius: A New Look at the Last Days of Pompeii, How Towers Fall, and Other Strange Connections. New York: William Morrow, 2004.
- Pereira, A., Naples, Pompeii and Southern Italy. London: Batsford, 1977.
- Perl, G., 'Pompeji-geschichte und untergang', in *Pompeji: 79–1979: Beiträge Zum Vesuvausbruch und seiner Nachwirkung*, ed. Kunze, M. Stendal: Beiträge der Winckelmann Gesellschaft, 1982, 9–24.
- Pesando, F., 'Shadows of light: Cinema, peplum and Pompeii', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003, 34–45.
- Petrone, P.P., 'Le Vittime dell'Eruzione del 79 AD', in Storie da un'Eruzione: Pompei, Ercolano, Oplontis: Guida alla Mostra, ed. d'Ambrosio, A., P.G. Guzzo and M. Mastroroberto. Milan: Electa, 2003, 31–44.
- 'Le vittime dell'eruzione del 79 AD', in Storie da un'Eruzione: Pompei, Ercolano, Oplontis: Guida alla Mostra, Atti della Tavola Rotonda, Napoli, 2003, Associazione Internazionale Amici di Pompei, Dipartimento di Discipline Storiche, Università degli Studi di Napoli Federico II, ed. Guzzo, P.G. Pompei: Litografia Sicignano, 2005, 31–44.
- Petrone, P.P., A. Coppa and L. Fattore, 'La popolazione di Ercolano', in Vesuvio 79 AD: Vita e Morte ad Ercolano, ed. Petrone, P.P. and F. Fedele. Naples: Fredericiana Editrice Universitaria, 2002a, 67–73.
- Petrone, P.P., L. Fattore and V. Monetti, 'Alimentazione e malattie ad Ercolano', in *Vesuvio79*AD: Vita e Morte ad Ercolano, ed. Petrone, P.P. and F. Fedele. Naples: Fredericiana Editrice Universitaria, 2002b, 75–83.
- Pfeiffer, S., 'Assignment of sex to adult femora from an ossuary population', Canadian Review of Physical Anthropology, Vol. 1, 1979: 55–62.
- ——'Comparison of adult age estimation techniques using an ossuary sample', Canadian Review of Physical Anthropology, Vol. 4, No. 1, 1985: 21–25.
- ——'Morbidity and mortality in the Uxbridge Ossuary', Canadian Review of Physical Anthropology, Vol. 5, 1986: 23–31.
- Pheasant, S., Bodyspace: Anthropology, Ergonomics and Design. London: Taylor & Francis, 1986.
- ——Ergonomic Standards and Guidelines for Design. Milton Keynes: British Standards Institution, 1987.
- Phenice, T.W., 'A newly developed visual method of sexing the os pubis', American Journal of Physical Anthropology, Vol. 30, 1967: 297–301.
- Plueckhahn, V.D., Ethics, Legal Medicine and Forensic Pathology. Carlton, Victoria: Melbourne University Press, 1983.
- Pollard, A.H., Introductory Statistics: A Service Course. 2nd edn. Rushcutters Bay, NSW: Pergamon (Australia), 1972.

- Prettejohn, E., 'Recreating Rome in Victorian painting: From history to genre', in *Imagining Rome: British Artists and Rome in the Nineteenth Century*, ed. Liversidge, M.J.H. and C. Edwards. London: Merrell Holberton, 1996a, 54–69.
- —— 'Recreating Rome: Catalogue II', in *Imagining Rome: British Artists and Rome in the Nine-teenth Century*, ed. Liversidge, M.J.H. and C. Edwards. London: Merrell Holberton, 1996b, 125–70.
- Pringle, H. The Mummy Congress: Science, Obsession, and the Everlasting Dead. London: Fourth Estate, 2001.
- Prowse, T.L., H.P. Schwarcz, S. Saunders, R. Macchiarelli and L. Bondioli, 'Isotopic paleodiet studies of skeletons from the Imperial Roman-age cemetery of Isola Sacra, Rome, Italy', *Journal of Archaeological Science*, Vol. 31, No. 3, 2004: 259–72.
- Prowse, T.L., H.P. Schwarcz, S.R. Saunders, R. Macchiarelli, and L. Bondioli. 'Isotopic evidence for age-related variation in diet from Isola Sacra, Italy', American Journal of Physical Anthropology, Vol. 128, 2005: 2–13.
- Puech-Rochette, M., C. Serratrice and F.F. Leek, 'Tooth wear as observed on ancient Egyptian skulls', *Journal of Human Evolution*, Vol. 12, 1983: 617–29.
- Punongbayan, R.S. and R.I. Tilling, 'Some recent case histories', in *Volcanic Hazards*, ed. Tilling, R.I., *Short Course in Geology*. Washington DC American Geophysical Union, 1989, 81–101.
- Raoul-Rochette, M. and M. Roux, Choix de Peintures de Pompéi: Lithographiées en Couleur par M. Roux et Publiées avec l'Explication Archéologique de Chaque Peinture. Paris: Adolphe Labitte, 1867.
- Reiche, I., L. Favre-Quattropani, T. Calligaro, J. Salomon, H. Bocherens, L. Charlet and M. Menu, 'Trace element composition of archaeological bones and post-mortem alteration in the burial environment', Nuclear Instruments and Methods in Physics Research B, Vol. 150, 1999: 656–62.
- Renfrew, C. and P. Bahn, Archaeology: Theory, Methods and Practice. London: Thames & Hudson, 1991.
- Richards, M.P., R.E.M. Hedges, T.I. Molleson and J.C. Vogel, 'Stable isotope analysis reveals variations in human diet at the Poundbury Camp Cemetery Site', *Journal of Archaeological Science*, Vol. 25, No. 12, 1998: 1247–52.
- Richardson, L., 'Life as it appeared when Vesuvius engulfed Pompeii', *Smithsonian*, Vol. 9, No. 1, 1978: 84–93.
- ——Pompeii: An Architectural History. Baltimore: Johns Hopkins University Press, 1988.
- Ripley, W.Z., The Races of Europe: A Sociological Study. London: Kegan Paul, 1899.
- Roberts, C., 'Trauma and treatment in the British Isles in the historic period: A design for multidisciplinary research', in *Human Palaeopathology: Current Syntheses and Future Options*, ed. Ortner, D.J. and A.C. Aufderheide. Washington, DC: Smithsonian Institution Press, 1991, 225–40.
- Roberts, C. and K. Manchester, *The Archaeology of Disease*. 2nd edn. Ithaca, New York: Cornell University Press, 1995.
- Roberts, C.A., 'A view from afar: Bioarchaeology in Britain', in *Bioarchaeology: The Contextual Analysis of Human Remains*, ed. Buikstra, J.E. and L.A. Beck. Amsterdam: Academic Press, 2006, 417–39.
- Robinson, M.A., 'Fosse, piccole fosse e peristili a Pompei', in *Nuove ricerche archeologiche a Pompei ed Ercolano*, ed. Guzzo, P.G. and M.P. Guidobaldi. Naples: Electa, 2005, 109–19.
- Rocco, T., 'The Villa of Diomedes', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003a, 92–94.

- ——'The Quadriporticus of the theatres (VIII, 7, 16–17)', in *Tales from an Eruption: Pompeii, Herculaneum, Oplontis: Guide to the Exhibition*, ed. Guzzo, P.G. Milan: Electa, 2003b, 99–102.
- Rogers, J. and T. Waldron, 'DISH and the monastic way of life', *International Journal of Osteoarchaeology*, Vol. 11, 2001.
- Rogers, J., T. Waldron, P. Dieppe and I. Watt, 'Arthropathies in palaeopathology: The basis of classification according to most probable cause', *Journal of Archaeological Science*, Vol. 14, 1987: 179–93.
- Rosci, M., Leonardo. New York: Mayflower Books, 1981.
- Rose, H.J., A Handbook of Greek Mythology. New York: Dutton, 1959/1928.
- Rosi, M. and R. Santacroce, 'L'eruzione di Pompei del 79 d.C.', in *Tremblements de Terre*, Éruptions Volcaniques et Vie des Hommes dans la Campanie Antique, ed. Albore Livadie, C. Naples: Publications du Centre Jean Berard, 1986, 24–26.
- Rösing, F.W., 'Sexing immature human skeletons', *Journal of Human Evolution*, Vol. 12, 1983: 149–55.
- ——'Discreta of the human skeleton: A critical review', *Journal of Human Evolution*, Vol. 13, 1984: 319–23.
- Rothschild, B., 'Porotic hyperostosis as a marker of health and nutritional conditions', *American Journal of Human Biology*, Vol. 14, No. 4, 2002: 417–18.
- Rothschild, B.M., F.J. Rühli, J. Sebes, V. Naples and M. Billard, *Relationship between porotic hyperostosis and cribra orbitalia?* (2004); from *PaleoBios*, http://anthropologie-et-paleopathologie.univ-lyon1.fr/ (accessed 4 April 2005).
- Rubin, P., Dynamic Classification of Bone Dysplasias. Chicago: Year Book Medical Publishers, 1972/1964.
- Rubini, M., 'Biological homogeneity and familial segregation in the Iron Age population of Alfedena (Abruzzo, Italy), based on cranial discrete traits analysis', *International Journal of Osteoarchaeology*, Vol. 6, No. 5, 1996: 454–62.
- Rubini, M., E. Bonafede and S. Mogliazza, 'The population of East Sicily during the second and first millennium BC: The problem of the Greek colonies', *International Journal of Osteoarchaeology*, Vol. 9, No. 1, 1999: 8–17.
- Rubini, M., E. Bonafede, S. Mogliazza and L. Moreschini, 'Etruscan Biology: The Tarquinian population seventh to second century BC (Southern Etruria, Italy)', *International Journal of Osteoarchaeology*, Vol. 7, No. 3, 1997: 202–11.
- Rubini, M., S. Mogliazza and R.S.T. Corruccini, 'Biological divergence and equality during the first millennium BC in human populations of Central Italy', *American Journal of Human Biology*, Vol. 19, No. 1, 2007: 119–31.
- Rühli, F.J., T. Böni and M. Henneberg, 'Hyperostosis frontalis interna: Archaeological evidence of possible microevolution of human sex steroids?', Homo: Journal of Comparative Human Biology, Vol. 55, No. 1–2, 2004: 91–99.
- Rühli, F.J. and M. Henneberg, 'Are hyperostosis frontalis interna and leptin linked? A hypothetical approach about hormonal influence on human microevolution', *Medical Hypotheses*, Vol. 58, No. 5, 2002: 378–81.
- Russell, J.C., The Control of Late Ancient and Medieval Population. Philadelphia: The American Philosophical Society, 1985.
- Sadler, T.W., Langman's Medical Embryology. 10th edn. Philadelphia: Lippincott Williams & Wilkins, 2006.
- Salmi, A., A. Voutilainen, L.R. Holsti and C.-E. Unnerus, 'Hyperostosis cranii in a normal population', American Journal of Roentgenology, Radium Therapy & Nuclear Medicine, Vol. 87, 1962: 1032–40.

- Saunders, J.B.d.C.M. and C.D. O'Malley, *The Anatomical Drawings of Andreas Vesalius*. New York: Bonanza Books, 1982.
- Saunders, S.R., 'Nonmetric skeletal variation', in *Reconstruction of Life from the Skeleton*, ed. Iscan, M.Y. and K.A.R. Kennedy. New York: Alan R. Liss, 1989, 95–108.
- Schefold, K., *Die Wände Pompejis*. Berlin: Topographisches Verzeichnis der Bildemotive, 1957.
- ——'Die bedeutung der malerei Pompejis', in *Pompejanische Wandmalerei*, ed. Cerulli Irelli, G., M. Aoyagi and D. Stefano. Zurich: Belser, 1990, 107–14
- Scheuer, L. and S. Black, The Juvenile Skeleton. Amsterdam: Elsevier, 2004.
- Schiering, W., 'Johann Joachim Winckelmann', in Archäologenbildnisse: Porträits und Kurzbiographien von Klassischen Archäologen Deutscher Sprache mit Beiträgen Zahlreichen Fachgenossen Herausgegeben, ed. Lullies, R. and W. Schiering. Mainz: Philipp von Zabern, 1988, 5–7.
- Schiffer, M.B., 'Is there a "Pompeii Premise" in archaeology?', Journal of Anthropological Research, Vol. 41, 1985: 18–41.
- ——Formation Processes of the Archaeological Record. Albuquerque, New Mexico: University of New Mexico, 1987.
- Schutkowski, H., 'Sex determination of infant and juvenile skeletons: 1. Morphognostic features', *American Journal of Physical Anthropology*, Vol. 90, 1993: 199–205.
- Schwarcz, H.P. and M.J. Schoeninger, 'Stable isotope analyses in human nutritional ecology', Yearbook of Physical Anthropology, Vol. 34, No. S13, 1991: 283–321.
- Scobie, A., 'Slums, sanitation, and mortality in the Roman world', *Klio*, Vol. 68, No. 2, 1986: 399–433.
- Scott, G.R. and C.G. Turner, *The Anthropology of Modern Human Teeth: Dental Morphology and Its Variation in Recent Human Populations*. Cambridge: Cambridge University Press, 1997.
- Scott, J.H. and N.B.B. Symons, Introduction to Dental Anatomy. 7th edn. Edinburgh: Churchill Livingstone, 1974.
- Scott, W.E., 'Volcanic and related hazards', in *Volcanic Hazards*, ed. Tilling, R.I., *Short Course in Geology*, Washington DC: American Geophysical Union, 1989, 9–23.
- Sekla, B. and F. Soukup, 'Inheritance of the cephalic index', American Journal of Physical Anthropology, Vol. 30, 1969: 137–40.
- Sheets, P.D., 'Environmental and cultural effects of the Ilopango eruption in Central America', in Volcanic Activity and Human Ecology, ed. Sheets, P.D. and D.K. Grayson (New York: Academic Press, 1979), 525–64.
- Sheridan, M.F. and F. Barberi (eds), Explosive Volcanism, Amsterdam: Elsevier, 1983.
- Shipman, P., The Evolution of Racism: Human Differences and the Use and Abuse of Science. New York: Simon & Schuster, 1994.
- Shipman, P., A. Walker and D. Bichell, *The Human Skeleton*. Cambridge, Massachusetts: Harvard University Press, 1985.
- Sica, M., S. Aceto, A. Genovese and L. Gaudio, 'Analysis of five ancient equine skeletons by mitochondrial DNA sequencing', *Ancient Biomolecules*, Vol. 4, No. 4, 2002: 179–84.
- Sigurdsson, H., Melting the Earth: The History of Ideas on Volcanic Eruptions. Oxford: Oxford University Press, 1999.
- ——'Mount Vesuvius before the disaster', in *The Natural History of Pompeii*, ed. Jashemski, W. F. and F.G. Meyer. Cambridge: Cambridge University Press, 2002, 29–36.
- ——'The environmental and geomorphological context of the volcano', in *The World of Pom*peii, ed. Foss, P.W. and J.J. Dobbins. London: Routledge, 2007, 43–62.
- Sigurdsson, H. and S.N. Carey, 'The eruption of Vesuvius in AD 79', in *The Natural History of Pompeii*, ed. Jashemski, W.F. and F.G. Meyer. Cambridge: Cambridge University Press, 2002, 37–64.

- Sigurdsson, H., S.N. Carey, W. Cornell and T. Pescatore, 'The Eruption of Vesuvius in AD 79', National Geographic Research Vol. 1, No. 3, 1985: 332–87.
- Sigurdsson, H., S. Cashdollar, and S.R.J. Sparks, 'The eruption of Vesuvius in AD 79: Reconstruction from historical and volcanological evidence', American Journal of Archaeology, Vol. 86, 1982: 39–51.
- Sillen, A., J.C. Sealy, and N.J. van der Merwe, 'Chemistry and paleodietary research: No more easy answers', *American Antiquity*, Vol. 54, No. 3, 1989: 504–12.
- Skrzat, J., D. Holiat, and J. Walocha, 'The morphological appearance of the palatine torus in the Cracovian skulls (XV–XVIII century)', Folia Morphol, Vol. 62, No. 3, 2003: 183–86.
- Smith, G.E., The Royal Mummies: Catalogue Général des Antiquités Égyptiennes du Musée du Caire, Nos 61051–61100. 2000 edn. London: Duckworth, 1912.
- Smith, G.E. and W.R. Dawson, Egyptian Mummies. London: George Allen & Unwin, 1924.
- Sogliano, A., Guida di Pompei. 3rd edn. Milan: Antonio Vallardi, 1922.
- Sperduti, A. and G. Manzi, 'Hyperostosis frontalis interna in a cranial sample from the Roman population of Portus (Isola Sacra necropolis 1–111 Century AD)', Rivista di Antropologia, Vol. 68 1990: 279–86.
- Srb, A.M., R.D. Owen and R.S. Edgar, General Genetics. 2nd edn. San Francisco: Freeman, 1965.
 St Hoyme, L.E. and M.Y. Iscan, 'Determination of sex and race: Accuracy and assumptions', in Reconstruction of Life from the Skeleton, ed. Iscan, M.Y. and K.A.R. Kennedy. New York: Alan R. Liss, 1989, 53–93.
- Steele, D.G. and C.A. Bramblett, *The Anatomy and Biology of the Human Skeleton*. College Station: Texas A & M University Press, 1988.
- Stefani, G., 'La vera data dell'eruzione', Archeo, Vol. 260, No. 10, 2006: 10-13.
- Steinbock, R.T., Paleopathological Diagnosis and Interpretation: Bone Diseases in Ancient Human Populations. Springfield, Illinois: Charles C. Thomas, 1976.
- Stevens, G., Statistics Course Notes. Sydney: Faculty of Architecture, University of Sydney, 1987.
- Stewart, R.M., 'Localised cranial hyperostosis in the insane', The Journal of Neurology and Psychopathology, Vol. 8, 1928: 321–31.
- Stewart, T.D., 'Distortion of the pubic symphyseal surface in females and its effect on age determination', American Journal of Physical Anthropology, Vol. 15, 1957: 9–18.
- ——"The effects of pathology on skeletal populations', *American Journal Physical Anthropology*, Vol. 30, 1969: 443–50.
- Stone, A.C., G.R. Milner, S. Pääbo, and M. Stoneking, 'Sex determination of ancient human skeletons using DNA', American Journal of Physical Anthropology, Vol. 99, 1996: 231–38.
- Stuart-Macadam, P., 'Porotic hyperostosis: Representative of a childhood condition', *American Journal of Physical Anthropology*, Vol. 66, 1985: 391–98.
- ——'Porotic hyperostosis: Changing interpretations', in *Human Palaeopathology: Current Syntheses and Future Options*, ed. Ortner, D.J. and A.C. Aufderheide. Washington: Smithsonian Institution Press, 1991, 36–39.
- Suchey, J.M. 'Problems in the aging of females using the os pubis', American Journal of Physical Anthropology, Vol. 51, 1979: 467–70.
- Suchey, J.M. and D. Katz, 'Skeletal age standards derived from an extensive multiracial sample of modern Americans (unpublished paper)', in *The Fifty-Fifth Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, New Mexico: 1986.
- Suchey, J.M., S.T. Brooks and D. Katz, Instructions for the Use of the Suchey-Brooks System for Age Determination of the Female Os Pubis, instructional materials accompanying female pubic symphyseal models of the Suchey-Brooks System, 1988.

- Suchey, J.M., D.V. Wiseley, R.F. Green and T.T. Noguchi, 'Analysis of dorsal pitting in the os pubis in an extensive sample of modern American females', *American Journal of Physical Anthropology*, Vol. 51, 1979: 517–39.
- Suchey, J.M., D.V. Wiseley and D. Katz, 'Evaluation of the Todd and McKern-Stewart methods for aging the male os pubis', in *Forensic Osteology: Advances in the Identification of Human Remains*, ed. Reichs, K.J. Springfield, Illinois: Charles C. Thomas, 1986, 33–67.
- Sunderland, E., 'Biological components of the races of man', in Racial Variation in Man: Proceedings of a Symposium held at the Royal Geographical Society, London 19–20 September, 1974, ed. Ebling, F.J. London: The Institute of Biology, 1975, 9–25.
- Sutherland, F.L., 'The volcanic fall of Pompeii', in *Pompeii Revisited: The Life and Death of a Roman Town*, ed. Harrison, D. Sydney: Meditarch, 1994, 72–75.
- Tague, R.G., 'Bone resorption of the pubis and preauricular area in humans and nonhuman mammals', *American Journal of Physical Anthropology*, Vol. 76, 1988: 251–67.
- Talarico Jr, E.F., A.D. Prather and K.D. Hardt, 'A case of extensive hyperostosis frontalis interna in an 87-year-old female human cadaver', *Clinical Anatomy*, Vol. 21, No. 3, 2008: 259–68.
- Tanguy, J.-C., C. Ribière, A. Scarth and W.S. Tjetjep, 'Victims from volcanic eruptions: A revised database', Bulletin of Volcanology, Vol. 60, No. 2, 1998: 137–44.
- Taveras, J.M. and M.D. Wood, *Diagnostic Neuroradiology*. 2nd edn. Section 1, Golden's Diagnostic Radiology. Baltimore: The Williams & Wilkins Company, 1976.
- Taylor, K.T., Forensic Art and Illustration. Boca Raton, Florida: CRC Press, 2001.
- Taylor, R.M.S., 'Assault or accident', British Dental Journal, Vol. 131, 1971: 419-20.
- The British School at Rome, Herculaneum: The Herculaneum Conservation Project (2007), http://www.bsr.ac.uk/BSR/sub_arch/BSR_Arch_03Herc.htm (accessed 2 October 2008).
- Thomas, D.L., 'Portraiture at Pompeii', in *Pompeii and the Vesuvian Landscape*, ed. AIA Washington, DC: The Archaeological Institute of America & The Smithsonian, 1979.
- Torino, M. and G. Fornaciari, 'Gli Scheletri di Ercolani: Richerche paleopatologiche', in Gli Antichi Ercolanesi: Antropologia, Società, Economia, ed. Pagano, M. Naples: Electa, 2000, 60–63.
- —— 'Paleopatologia degli individui nella Casa di Giulio Polibio', in *La Casa di Giulio Polibio: Studi Interdisciplinari*, ed. Ciarallo, A. and E. De Carolis. Pompei: Centro Studi arti Figurative, Università di Tokio, 2001, 93–106.
- Tran Tam Tinh, V., Essai sur le Culte d'Isis à Pompei. Paris: de Boccard, 1964.
- Trevelyan, R., The Shadow of Vesuvius: Pompeii AD 79. London: Michael Joseph, 1976.
- Trotter, M., 'Estimation of stature from intact long bones', in *Personal Identification in Mass Disasters*, ed. Stewart, T.D. Washington, DC: Smithsonian Institution Press, 1970, 71–83.
- Trotter, M. and G.C. Gleser, 'Estimation of stature from long bones of American Whites and Negroes', *American Journal of Physical Anthropology*, Vol. 10, 1952: 463–514.
- ——'A re-evaluation of estimation of stature based on measurements of stature taken during life and of long bones after death', *American Journal of Physical Anthropology*, Vol. 16, 1958: 79–123.
- "Corrigenda to "estimation of stature from long limb bones of American Whites and Negroes", American Journal Physical Anthropology (1952), American Journal Physical Anthropology, Vol. 47, No. 2, 1977: 355–56.
- Turner, C.G., II, C.R. Nichol and G.R. Scott, 'Scoring procedures for key morphological traits of the permanent dentition: The Arizona State University Dental System', in *Advances in Dental Anthropology*, ed. Kelley, M.A. and C.S. Larsen. New York: Wiley–Liss, 1991, 13–32.
- Tutt, P. and D. Adler (eds), New Metric Handbook. London: Architectural Press, 1979.

- Twain, M., The Innocents Abroad. New York: Harper & Brothers, 1903.
- Tyldesley, J. The Mummy: Unwrap the Ancient Secrets of the Mummies' Tombs. London: Carlton, 1999.
- Tyson, R.A. and E.S.D. Alcauskas (eds), Catalogue of the Hrdlicka Paleopathology Collection. San Diego, California: San Diego Museum of Man, 1980.
- Ubelaker, D.H., Human Skeletal Remains: Excavation, Analysis, Interpretation. 2nd edn. Vol. 2, Manuals on Archaeology. Washington: Taraxacum, 1989.
- Usher, B.M., 'Reference samples: The first step in linking biology and age in the human skeleton', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J. W. Vaupel. Cambridge: Cambridge University Press, 2002, 29–47.
- Vallois, H.V., 'Vital statistics in prehistoric population as determined from archaeological data', in *The Application of Quantitative Methods in Archaeology*, ed. Heizer, R.F. and S.F. Cook. Chicago: Quadrangle, 1960, 186–222.
- ——'Race', in Anthropology Today: Selections, ed. Tax, S. Chicago: University of Chicago Press, 1962, 46–64.
- van Gerven, D.P., 'The contribution of size and shape variation to patterns of sexual dimorphism of the human femur', *American Journal of Physical Anthropology*, Vol. 37, 1972: 49–60.
- van Gerven, D.P. and G.J. Armelagos, "Farewell to paleodemography?" Rumours of its death have been greatly exaggerated, *Journal of Human Evolution*, Vol. 12, 1983: 353–60.
- Verdy, M., J. Guimond, P. Fauteux and M. Aube. 'Prevalence of hyperostosis frontalis interna in relation to body weight', American Journal of Clinical Nutrition, Vol. 31, No. 11, 1978: 2002–4.
- Wakely, J. and C. Duhig, 'A comparative microscopical study of three European trephined skulls', International Journal of Osteoarchaeology, Vol. 2, 2005: 337–40.
- Waldron, T., Counting the Dead: The Epidemiology of Skeletal Populations. Chichester: John Wiley & Sons, 1994.
- Waldstein, C. and L. Shoobridge, *Herculaneum: Past, Present and Future.* London: Macmillan, 1908.
- Wallace, B., Genetics, Evolution, Race, Radiation Biology. Vol. 2, Essays in Social Biology. New Jersey: Prentice-Hall, 1972.
- Wallace-Hadrill, A., 'Houses and households: Sampling Pompeii and Herculaneum', in *Marriage, Divorce and Children in Ancient Rome*, ed. Rawson, B. Oxford: Oxford University Press, 1991, 191–227.
- ——Houses and Society in Pompeii and Herculaneum. Princeton, New Jersey: Princeton University Press, 1994.
- Wapler, U., E. Crubézy, and M. Schultz, 'Is cribra orbitalia synonymous with anemia? Analysis and interpretation of cranial pathology in Sudan', American Journal of Physical Anthropology, Vol. 123, No. 4, 2004: 333–39.
- Ward-Perkins, J.B. and A. Claridge. Pompeii AD 79: Treasures from the National Archaeological Museum, Naples and the Pompeii Antiquarium, Italy. 2nd edn. Sydney: Australian Gallery Directors' Council, 1980.
- Weinberger, B.W., An introduction to the history of dentistry, St Louis, Missouri: Mosby, 1948: 99–365.
- Weinfeld, R.M., P.N. Olson, D.D. Mak, and H.J. Griffiths, 'The prevalence of diffuse idiopathic skeletal hyperostosis (DISH) in two large American Midwest metropolitan hospital populations', Skeletal Radiology, Vol. 26, No. 4, 1997: 222–25.

- Weiss, K.M., 'On the systematic bias in skeletal sexing', American Journal of Physical Anthropology, Vol. 37, 1972: 239–49.
- Wells, C.H., Bones, Bodies and Disease: Evidence of Disease and Abnormality in Early Man. London: Thames & Hudson, 1964.
- Wells, L.H., 'Stature in earlier races of mankind', in *Science in Archaeology: A Survey of Progress and Research*, ed. Brothwell, D. and E. Higgs. London: Thames & Hudson, 1969, 453–67.
- White, T.D., Human Osteology. 1st edn. San Diego, California: Academic Press, 1991.
- ——Human Osteology. 2nd edn. San Diego, California: Academic Press, 2000.
- White, T.D. and P.A. Folkens, The Human Bone Manual. Boston: Academic Press, 2005.
- Widemann, F., 'Les effets économiques de l'éruption de 79: Nouvelles données et nouvelles approches', in *Tremblements de Terre*, Éruptions Volcaniques et Vie des Hommes dans la Campanie Antique, ed. Albore Livadie, C. Naples: Publications du Centre Jean Berard, 1986, 107–12.
- Williams D.R. and C.M. Woodhead 'Attrition: A contemporary dente
- Williams, D.R. and C.M. Woodhead, 'Attrition: A contemporary dental viewpoint', in *Teeth and Anthropology*, ed. Cruwys, E. and R.A. Foley, 291. Oxford: British Anthropological Reports International, 1986, 109–21.
- Witt, R.E., Isis in the Graeco-Roman World. London: Thames & Hudson, 1971.
- Wittwer-Backofen, U. and H. Buba, 'Age estimation by tooth cementum annulation: Perspectives of a new validation study', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J.W. Vaupel. Cambridge: Cambridge University Press, 2002, 107–28.
- Woelfel, J.B., Dental Anatomy: Its Relevance to Dentistry. 4th edn. Philadelphia: Lea & Febiger, 1990.
- Wood, J.W., D.J. Holman, K.A. O'Connor and R.J. Ferrell, 'Mortality models for paleode-mography', in *Paleodemography: Age Distributions from Skeletal Samples*, ed. Hoppa, R.D. and J.W. Vaupel, *Cambridge Studies in Biological and Evolutionary Anthropology*. Cambridge: Cambridge University Press, 2002, 129–68.
- Wood-Jones, F., 'The non-metrical morphological characters of the skull as criteria for racial diagnosis', *Journal of Anatomy*, Vol. 65, 1931: 179–95.
- Wyke, M., Projecting the Past: Ancient Rome, Cinema, and History. London: Routledge, 1997.
- Zihlman, A.L., The Human Evolution Colouring Book. New York: Barnes & Noble, 1982.