

Rome, Pollution and Propriety

Rome, Pollution and Propriety brings together scholars from a range of disciplines in order to examine the historical continuity of dirt, disease and hygiene in one environment, and to explore the development and transformation of these ideas alongside major chapters in the city's history, such as early Roman urban development, Roman pagan religion, the medieval Church, the Renaissance, the Unification of Italy, and the advent of Fascism. This volume sets out to identify the defining characteristics, functions and discourses of pollution in Rome in such realms as disease and medicine, death and burial, sexuality and virginity, prostitution, purity and absolution, personal hygiene and morality, criminality, bodies and cleansing, waste disposal, decay, ruins and urban renovation, as well as studying the means by which that pollution was policed and controlled.

MARK BRADLEY is Associate Professor of Ancient History at the University of Nottingham. His main research and teaching interests are in the visual and intellectual culture of ancient Rome, and his recent work has been particularly concerned with exploring cultural differences in perception, aesthetics and sensibilities. His first book, *Colour and Meaning in Ancient Rome* (Cambridge, 2009), was longlisted for the 2011 Warwick Prize for Writing, and he has published widely in the field of Roman visual culture and the modern reception of antiquity. He is Editor of *Papers of the British School at Rome*, and is currently working on a book on *Foul Bodies in Ancient Rome*.



BRITISH SCHOOL AT ROME STUDIES

Series Editors

Christopher Smith

Director of the British School at Rome

Bryan Ward-Perkins

Chair of Publications and member of the Council of the British School at Rome

Gill Clark

Registrar and Publications Manager of the British School at Rome

British School at Rome Studies builds on the prestigious and longstanding *Monographs* series of the British School at Rome. It publishes both definitive reports on the School's own fieldwork in Rome, Italy and the Mediterranean, and volumes (usually originating in conferences held at the School) on topics that cover the full range of the history, archaeology and art history of the western Mediterranean.



Rome, Pollution and Propriety

Dirt, Disease and Hygiene in the Eternal City from Antiquity to Modernity

Edited by MARK BRADLEY

with Kenneth Stow





CAMBRIDGE UNIVERSITY PRESS

Cambridge New York Melbourne Madr

Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo, Delhi, Mexico City

Cambridge University Press

The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org

Information on this title: www.cambridge.org/9781107014435

© Cambridge University Press 2012

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2012

Printed in the United Kingdom at the University Press, Cambridge

 $A\ catalogue\ record\ for\ this\ publication\ is\ available\ from\ the\ British\ Library$

Library of Congress Cataloguing in Publication data

Rome, pollution, and propriety: dirt, disease, and hygiene in the eternal city from antiquity to modernity / edited by Mark Bradley with Kenneth Stow.

pages cm. – (British School at Rome studies)

ISBN 978-1-107-01443-5 (hardback)

- 1. Urban sanitation Italy Rome History. 2. Public health Italy Rome History.
- $3.\ Pollution-Italy-Rome-History.\quad 4.\ Quality\ of\ life-Rome-History.\quad I.\ Bradley,$

Mark, 1977- II. Stow, Kenneth R.

TD80.R65R66 2012

363.7309456′32 - dc23 2012010804

ISBN 978-1-107-01443-5 Hardback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication, and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.



For Mary Douglas (1921–2007)



Mary Douglas. Photo reproduced by kind permission of the British Academy.





Contents

```
List of illustrations [page ix]
  Note on contributors [xii]
  Preface [xvii]
  Acknowledgements [xix]
  Introduction [1]
  MARK BRADLEY AND KENNETH STOW
1 Approaches to pollution and propriety [11]
  MARK BRADLEY
                        [41]
  PART I ANTIQUITY
2 Pollution, religion and society in the Roman world [43]
  JACK LENNON
3 Purification in ancient Rome [59]
  ELAINE FANTHAM
4 Pollution, propriety and urbanism in Republican Rome [67]
  PENELOPE J. E. DAVIES
5 The 'sacred sewer': tradition and religion in the
  Cloaca Maxima [81]
  JOHN HOPKINS
6 Crime and punishment on the Capitoline Hill [103]
  MARK BRADLEY
7 On the burial of unchaste Vestal Virgins [122]
  CELIA E. SCHULTZ
  PART II MODERNITY
                         [137]
8 Fra Girolamo Savonarola and the aesthetics of pollution in
  fifteenth-century Rome [139]
  ALESSIO ASSONITIS
```

© in this web service Cambridge University Press

vii



viii Contents

- 9 Purging filth: plague and responses to it in Rome, 1656–7 [153] DAVID GENTILCORE
- 10 Was the ghetto cleaner...? [169] KENNETH STOW
- 11 Urban ablutions: cleansing Counter-Reformation Rome [182] KATHERINE RINNE
- 12 The clash of picturesque decay and modern cleanliness in late nineteenth-century Rome [202]
- 13 Vile bodies: Victorian Protestants in the Roman catacombs [223]

 DOMINIC JANES
- 14 Delinquency and pederasty: 'deviant' youngsters in the suburbs of Fascist Rome [241]
 MARTINA SALVANTE

Envoi. *Purity and danger*: its life and afterlife [258] JUDITH L. GOLDSTEIN

Bibliography [265] Index [310]



Illustrations

- Mary Douglas. Photo reproduced by kind permission of the British Academy. [page v]
- 0.1 H. A. Schult, 'Trash People', Piazza del Popolo (March 2007). Photo: H. A. Schult. [2]
- 4.1 Map of Rome showing 1. Esquiline burials; 2. Emporium; 3. Circus Maximus; 4. Theatre–Portico of Pompey; 5. Gardens of Julius Caesar; 6. Baths of Agrippa, a. Cloaca Maxima; b. Aqua Appia; c. Aqua Anio Vetus; d. Aqua Marcia; e. Aqua Tepula; f. Aqua Julia; g. Aqua Virgo; h. Aqua Alsietina. Map: Penelope Davies. [68]
- 4.2 Roman Forum and northern slope of the Palatine, showing remains of Republican houses. Photo: Penelope Davies. [71]
- 4.3 Paved section of the Sacra Via in the Roman Forum. Photo: Penelope Davies. [73]
- 4.4 Portico garden of Pompey, hypothetical reconstruction drawing by L. Cockerham Catalano. Image reproduced with the permission of Kathryn Gleason. [76]
- 4.5 Cloaca Maxima. Photo: Penelope Davies. [78]
- 5.1 The *cloacae* of ancient Rome. John Hopkins, after C. Moccheggiani Carpano. [83]
- 5.2 Cloaca Maxima before vaulting. Reconstruction: John Hopkins. [84]
- 5.3 Cloaca Maxima. Earliest tract (in cappellaccio) with later concrete vault. Photo: John Hopkins. [85]
- 5.4 Map of the Cloaca Maxima. John Hopkins, after H. Bauer. [86]
- 5.5 Cloaca Maxima. Domitianic tract east of temple of Minerva in lapis Albanus. Photo: John Hopkins. [91]
- 5.6 Cloaca Maxima. Augustan tract under Forum Transitorium in lapis Gabinus with Domitianic concrete vault. Photo: John Hopkins. [91]
- 5.7 Cloaca Maxima. Detail of Augustan tufo and Domitianic concrete under Forum Transitorium. Photo: John Hopkins. [92]
- 5.8 Bocca della Verità, here proposed as a drain cover for CloacaMaxima with relief of Oceanus. Photo: John Hopkins. [98]

ix



x List of illustrations

- 5.9 Mouth of Cloaca Maxima. Photo: John Hopkins. [99]
- 5.10 Mouths of three *cloacae* on the Tiber. Photo: R. Lanciani, after Cressedi (1984). [100]
- 6.1 The Capitoline Hill complex in the mid-first century вс. Illustration: Mark Bradley. [106]
- 9.1 Print (1656): 'The uniform in defence against the contagious disease with which physicians go about Rome treating [the sick]'.© Trustees of the British Museum. [160]
- 11.1 Standing ruins of the so-called 'Trophies of Marius'. Etienne Du Pérac, 'Vestigii del Castello dell'acqua Martia', in Du Pérac, *Vestigi dell'antichità di Roma* (Rome, 1575). © The Vincent Buonanno Collection. [183]
- Public works projects carried out by Popes Pius IV and Pius V between 1560 and 1572 in many areas of Rome: 1. Vatican gardens;
 Vatican palace; 3. Belvedere; 4. Porta Cavalleggeri; 5. Valle d'Inferno; 6. Borgo Pio; 7. Castel Sant'Angelo; 8. Ponte Sant'Angelo; 9. Jewish ghetto; 10. Ortaccio; 11. Foot of the Pincian hill; 12. Trevi Fountain; 13. Pantano; 14. Roman Forum. Reproduced from Leonardo Bufalini, *Roma*, 1551 (1560 reprint). [187]
- 11.3 Etching showing the Column of Trajan after the removal of several metres of earth and debris from its base in the 1560s. From Etienne Du Pérac, 'Disegno della Colomna Traiana', in Du Pérac, *Vestigi dell'antichità di Roma* (Rome, 1575). © The Vincent Buonanno Collection. [188]
- 11.4 The Vatican, St Peter's, the Borgo and Castel Sant'Angelo in 1561, shortly after Pius IV embarked upon a systematic infrastructure project. The Belvedere (50) can be seen to the lower right while the Fountain of Santa Caterina (R) is seen in the piazza in front of St Peter's. From Giovanni Antonio Dosio, *Roma* (Rome, 1561), detail. © Biblioteca Hertziana, Rome. [190]
- 11.5 Etching showing Bramante's restoration of the Santa Caterina Fountain (served by the Acqua Damasiana) in front of St Peter's in 1504 for Pope Julius II. Etching by Martin van Heemskerck, c. 1535. From C. Hülsen and H. Egger, Die römischen Skizzenbücher von Marten van Heemskerck im Königlichen Kupferstichkabinett zu Berlin, mit Unterstützung der Generalverwaltung der Königlichen Museen zu Berlin (Vienna, 1911). [192]
- 11.6 Section drawings of the Cloaca Maxima showing the amount of alluvium that had accumulated in the Roman Forum since



List of illustrations

xi

- antiquity. From P. Narducci, *Sulla fognatura della città di Roma* (Rome, 1889), plate 6.13 (top). [194]
- 11.7 Plan showing the areas where drains were constructed and ancient ones restored in order to help dry out the saturated land in areas that were not yet served by the new Acqua Vergine: (1) the Column of Trajan and all the area between it and the Pantano (2), linked to the ancient Cloaca Maxima; the Cloaca Minerva, between Palazzo San Marco (3) and Palazzo Altieri (4), which was cleaned, restored and linked to an ancient drain that led to the Tiber. From Leonardo Bufalini, *Roma*, 1551 (1560 reprint), detail. [199]
- 11.8 Small stone pavers known as *sampietrini* were used to pave over and protect Rome's newly constructed water conduits and drains as part of Pius V's integrated public works project. The stones are still used in Rome's historic centre. © Katherine Rinne (2009). [200]
- 12.1a and 12.1b Engravings capturing the decayed signs of past glory alongside humble daily living in nineteenth-century Rome.

 Reproduced from Vittorio Bersezio, *Roma: la capitale d'Italia* (*c.* 1872), 388 and 392. [205–6]
- 12.2 Watercolour: Ettore Roesler Franz, *Vecchie case in via della Lungaretta* (c. 1882). © Comune di Roma Sovrintendenza beni culturali Museo di Roma. [207]
- 12.3 Watercolour: Ettore Roesler Franz, *I venditori del pesce al portico d'Ottavia* (c. 1880). © Comune di Roma Sovrintendenza beni culturali Museo di Roma. [208]
- 12.4a and 12.4b Photographs taken in the 1880s, depicting the area of Vicolo del Pavone and that of Via delle Azimelle.
 © Comune di Roma Sovrintendenza beni culturali Museo di Roma. [214–15]
- 12.5 The new quarters along Via Nazionale, *c.* 1875, constructed according to the principles of modern international urban planning, prioritizing wide, straight and paved streets furnished with regular street lighting and a subterranean sewer system. Photograph: Carlo Baldassarre Simelli. Reproduced by permission of Fondazione Marco Besso. [217]
- 13.1 W. H. D. Adams, *The catacombs of Rome: historical and descriptive, with a chapter on the symbolism of early Christian art.* London, Nelson, 1877, p. 54. [228]
- 13.2 Emma Dixon [writing as Emma Leslie], *Out of the mouth of the lion.* London: Religious Tract Society, 1875, frontispiece. [237]



Note on contributors

ALESSIO ASSONITIS received his doctorate in Renaissance art history from Columbia University. He is Director of the Medici Archive Project at the Archivio di Stato in Florence, a position endowed by the Florence J. Gould Foundation. He has published articles on Renaissance art, Medici history, Mendicant aesthetics, and the history of antiquarianism. His monograph on Domenico Ghirlandaio's follower, Bastiano Mainardi, came out in 2011. He is currently working on a book on the painter Fra Bartolomeo della Porta.

MARK BRADLEY is Associate Professor of Ancient History at the University of Nottingham. His main research and teaching interests lie in the visual and intellectual culture of ancient Rome, and he is the author of *Colour and Meaning in Ancient Rome* (Cambridge University Press, 2009) and editor of *Classics and Imperialism in the British Empire* (2010). He is also Editor of *Papers of the British School at Rome*, and general editor of a series of volumes on 'The Senses in Antiquity'. His recent work explores approaches to obesity in the ancient world, and he is currently working on a book on *Foul Bodies in Ancient Rome*.

PENELOPE J. E. DAVIES is Associate Professor in Art History at the University of Texas at Austin. Her work focuses primarily on public monuments of Rome and their propagandistic functions. She is the author of *Death and the Emperor: Roman Imperial Funerary Monuments from Augustus to Marcus Aurelius* (Cambridge University Press, 2000) and co-author of *Janson's History of Art*, seventh and eighth editions (2006, 2010). She is currently working on a book on the art and architecture of the Roman Republic, to be published by Cambridge University Press.

ELAINE FANTHAM studied Greats at Oxford and focused her research interest on literature and society from the middle Republic to the Flavian Principate. She taught at the University of Toronto until she moved to Princeton in 1986, retiring in 2000. Work on Ovid's calendar poem of religion and ritual has directed her recent interests to exploring traditional Roman religion, one of many rules and taboos, and as many escape hatches. Her most recent

xii



Note on contributors

xiii

book (2006) is a biography of Augustus' scandalous and maligned daughter Julia.

DAVID GENTILCORE is Professor of Early Modern History at the University of Leicester. His principal interests lie in the social and cultural history of Italy, focusing on the relationships between different levels of society with regard to beliefs and practices, especially in the areas of religion, medicine and diet. Previous research has looked at attempts to control and regulate all aspects of the practice of medicine and healing, published as *Medical Charlatanism in Early Modern Italy* (2006), which was awarded the Royal Society of Canada's Jason A. Hannah medal. His current project, funded by a Leverhulme Trust major research award, explores the reception and assimilation of New World plants into Italy. *Pomodoro! A History of the Tomato in Italy* was published in 2010.

JUDITH L. GOLDSTEIN is Professor of Anthropology at Vassar College. She completed her PhD in Anthropology and Near East Studies (Princeton University, 1978), and has done field and archival research in Iran, Israel, France and Italy. She has published widely on such topics as aesthetics and modernity, cultural identity, social classification, and gender and consumer culture. Her publications include 'The Things They Left Behind', in Sarshar (ed.) *The Jews of Iran* (forthcoming); 'The Origin of the Specious', *Differences* 15.1 (Spring 2004); 'Realism Without a Human Face', in Cohen and Prendergast (eds) *Spectacles of Realism* (1995); and 'The Female Aesthetic Community', *Poetics Today* 14.1 (Spring 1993).

JOHN HOPKINS is an ACLS New Faculty Fellow at Rice University, and has been a postdoctoral fellow at the Getty Research Institute. His work deals primarily with architecture and viewer perception in the Roman world, especially as regards the early urbanization of the city. He is currently finishing a book on the architecture of Rome *c*. 700–450 BC and its impact on modern understandings of culture, society and politics in Rome through the early Republic.

DOMINIC JANES is Senior Lecturer in History of Art and Religion at Birkbeck College, University of London. He has research interests in the interactions of British textual, visual and material culture from the eighteenth century, as well the history of sexuality and the modern reception of classical antiquity and the Middle Ages. His most recent book is *Victorian Reformation: The Fight over Idolatry in the Church of England*, 1840–1860 (2009).



xiv Note on contributors

JACK LENNON completed his doctorate in Classics at the University of Nottingham, and is currently Teaching Fellow at University College London. His PhD thesis examined aspects of religious pollution in ancient Rome, and he has wide-ranging interests in Roman religion and magic. He has published articles on the rhetoric of pollution in Ciceronian invective, pagan impurity in Christian polemic, and other aspects of pollution in Roman society, religion and culture.

KATHERINE RINNE is an urban designer and historian whose research is focused on water infrastructure in Rome from its foundation to today. She is author of *The Waters of Rome: Aqueducts, Fountains, and the Birth of the Baroque City* (2010). She teaches architectural design and urban history and theory at California College of the Arts in San Francisco, and is founder and editor of the cross-disciplinary online resource *Aquae Urbis Romae* (www3.iath.virginia.edu/waters).

MARTINA SALVANTE is an IRCHSS Postdoctoral Research Fellow at the Centre for War Studies at Trinity College Dublin. She works principally on Italian and European history, Fascism, gender and sexuality and disability, and her current research project focuses on the disabled Italian veterans of the First World War.

CELIA E. SCHULTZ is Associate Professor of Classical Studies at the University of Michigan. She has also taught at the Pennsylvania State University, Bryn Mawr College (from which she received her PhD), Johns Hopkins University, and Yale. She is the author of *Women's Religious Activity in the Roman Republic* (2006), and co-editor of *Religion in Republican Italy* (*Yale Classical Studies* 33, 2006). She is currently working on a study of Cicero's *De divinatione*.

KENNETH STOW is Professor Emeritus of Jewish History at the University of Haifa. He has twice been a visitor at the Institute for Advanced Studies, Hebrew University, Jerusalem, and most recently has been Bodini Research Fellow at the Italian Academy at Columbia University. He is founder and until 2011 editor of the periodical Jewish History and author of Alienated Minority: The Jews of Medieval Latin Europe (1992); Theater of Acculturation: the Roman Ghetto in the Sixteenth Century (2001); Jewish Dogs: An Image and Its Interpreters – Continuity in the Catholic Jewish Encounter (2006); and The Jews in Rome (1995, 1997).

TAINA SYRJÄMAA is Professor of General History at the University of Turku. Her main fields of study are nineteenth- and twentieth-century



Note on contributors

XV

urban history, Italian history, and the history of tourism and consumer culture. Most recently she has studied the manifestation and production of 'progress' in world exhibitions. Her main publications include *Constructing Unity, Living in Diversity: A Roman Decade* (2006).





Preface

This volume examines the significance of pollution and cleanliness in the art, literature, philosophy and material culture of the city of Rome during antiquity and from the Renaissance through to the twentieth century. Dirt, disease and pollution and the ways they are represented and policed have long been recognized by historians and anthropologists as occupying a central position in the formulation of cultural identity, and Rome holds a special status in the West as a city intimately associated with issues of purity, decay, ruin and renewal. In recent years, scholarship in a variety of disciplines has begun to scrutinize the less palatable features of the archaeology, history and society of Rome. This research has drawn attention to the city's distinctive historical interest in the recognition, isolation and treatment of pollution, and the ways in which politicians, architects, writers and artists have exploited this as a vehicle for devising visions of purity and propriety. And yet, in spite of the volume of research into isolated instances of filth and cleanliness at Rome, there has been no comprehensive study of the history of pollution within the city. The challenge that remains, then, is to develop a more sophisticated analysis of developments over time in one geographical location, and to situate approaches to pollution in the city of Rome more broadly within cultural anthropology and the history of ideas.

This volume focuses on the theme of 'Pollution and Propriety' and the discourses by which these two antagonistic concepts are related. How has pollution in Rome been defined, and by what means is it controlled? To what extent is dirt culturally constructed (a position championed by Mary Douglas, but currently under challenge)? If dirt is dis-order/'matter out of place', how useful is it as an index of order or social and cultural system? How does Rome's own social and cultural history affect the way states of dirt and cleanliness are formulated? Does purity always accompany political, physical or social change? How different are pagan and Christian approaches to pollution and propriety at Rome, and do these approaches change over time from ancient to modern? Does Rome's reputation as a 'city of ruins' determine how it is represented? What makes images of decay in Rome so picturesque? And what do approaches to dirt at Rome tell us about contemporary value systems?

xvii



xviii Preface

Rome, Pollution and Propriety brings together scholars from a range of disciplines in order to examine historical continuities in dirt, disease and hygiene within one environment, and to explore the development and transformation of these ideas alongside major chapters in the city's history, such as early Roman urban development, the Roman Empire, the early Church and the Renaissance, the Unification of Italy, and the advent of Fascism. This volume sets out to identify the defining characteristics, functions and discourses of pollution in Rome in such realms as disease and medicine, death and burial, sexuality and virginity, prostitution, purity and absolution, personal hygiene and morality, criminality, bodies and cleansing, waste disposal, decay, ruins and urban renovation. It also studies the means by which that pollution was policed and controlled. By combining literary and visual material on pollution, this volume integrates areas of academic inquiry that are normally separated in scholarly research in order to identify underlying cultural patterns. Its common theme is the enduring concern for purity in its various forms, as well as the concern for the environment that is evident throughout the history of the city.

This volume will be of interest to students and scholars working in archaeology, anthropology, art history, classics, cultural history and the history of medicine, as well as anyone interested in the history, society and culture of Rome. It provides a compelling context for examining general theoretical approaches to pollution and purity, which have experienced a resurgence of interest in academic and popular circles in recent years in the form of projects, publications and exhibitions. In doing so, the volume evaluates the applicability of these models to Rome, as well as using Rome as a test study for evaluating the models themselves.



Acknowledgements

It was a conversation with the late Keith Hopkins early in 1999, while I was struggling with my MPhil dissertation at Cambridge on ancient Roman laundries, that led to the conception of this project: the Romans had some filthy habits, Keith exclaimed in his inimitable manner, and somebody needs to do a proper study of what they thought about dirt and cleanliness. After the completion of my PhD (on an altogether cleaner Roman topic), I was determined to follow Keith's advice. Following my appointment at the University of Nottingham in 2004, a grant from the British Academy allowed me to spend a summer at the British School at Rome, plumbing the depths of the city's sewers, latrines, prisons, fulleries, tombs and all the less palatable features of Roman civilization - and it became clear that Roman dirt was a subject of interest to a wide range of scholars, and not just those working on antiquity. In 2005, I met Richard Wrigley, a regular at the British School at Rome and Professor of Art History at Nottingham, who had particular interests in health, disease and hygiene and their impact on the art and architecture of early modern Rome, and we could not pass up the opportunity to team together and get our hands dirty. Together we set out to organize a conference on continuities and differences in approaches to pollution and purity across the history of the city of Rome. A two-day conference ('Pollution and Propriety: Dirt, Disease and Hygiene in Rome from Antiquity to Modernity') was held at the British School at Rome on 21–2 June 2007, attended by nearly a hundred people and with speakers from all over Europe, America and Australia, from such diverse disciplines as archaeology, classics, history, literary studies, the history of art, the history of medicine, sociology and anthropology. In spite of its disciplinary and chronological range, the meeting quickly established a coherent and effective interdisciplinary dialogue around the central themes of the conference, and there was an impressive level of continuity in the arguments, ideas and material presented. The conference was only possible due to generous financial support from the University of Nottingham and the indispensable resources and facilities of the British School at Rome: in particular, I would like to thank Andrew Wallace-Hadrill, Elly Murkett, Geraldine Wellington and Peppe Pellegrino for making the conference run so seamlessly. Many of

xix



xx Acknowledgements

the conference's participants have contributed to this present volume, but those who have not are nonetheless owed a debt of gratitude for helping us to develop and enrich its approaches and ideas: Bob Arnott, Carlin Barton, John Bodel, Meredith Carew, Katy Cubitt, Val Curtis, Caroline Goodson, Adam Gutteridge, Gemma Jansen, Conrad Leyser, Pamela Long, Ann Koloski-Ostrow, François Quiviger, Renato Sansa and (most of all) Richard Wrigley. The volume itself has developed slowly, and I am grateful to all the contributors for their patience and encouragement across the last four years, and to Jack Lennon for his assistance with the copy-editing. Thanks are also owed to audiences at Austin, Lampeter, Liverpool, the London School of Hygiene and Tropical Medicine, Nottingham and Rome for their feedback on the project and its underlying methodology, themes and arguments. I also owe a debt of thanks to Michael Sharp and the staff of Cambridge University Press for their support of this project, and to two anonymous readers for their valuable and encouraging feedback. Finally, I must also reserve a special mention for Mary Douglas, who had agreed to be keynote speaker, but who passed away just a month before the conference was held. Her voice, approaches, ideas and arguments were nevertheless resonant throughout the proceedings, and offer intellectual coherence and unity to the volume that has emerged out of the conference.

> Mark Bradley University of Nottingham March 2012