

Authority and Expertise in Ancient Scientific Culture

How did ancient scientific and knowledge-ordering writers make their work authoritative? This book answers that question for a wide range of ancient disciplines, from mathematics, medicine, architecture and agriculture, through to law, historiography and philosophy (focusing mainly but not exclusively on the literature of the Roman Empire). It draws attention to habits that these different fields had in common, while also showing how individual texts and authors manipulated standard techniques of self-authorisation in distinctive ways. It stresses the importance of competitive and assertive styles of self-presentation, and also examines some of the pressures that pulled in the opposite direction by looking at authors who chose to acknowledge the limitations of their own knowledge or resisted close identification with narrow versions of expert identity. A final chapter by Sir Geoffrey Lloyd offers a comparative account of scientific authority and expertise in ancient Chinese, Indian and Mesopotamian culture.

JASON KÖNIG is Professor of Greek at the University of St Andrews. This is the third in a trilogy of volumes arising from a Leverhulme-funded research project, 'Science and Empire in the Roman World', which ran from 2007 to 2010 in St Andrews; the other two volumes, *Ancient Libraries* and *Encyclopaedism from Antiquity to the Renaissance*, were both published by Cambridge University Press in 2013.

GREG WOOLF is Professor of Classics and Director of the Institute of Classical Studies in London. He co-directed the project, 'Science and Empire in the Roman World', at St Andrews and co-edited the two previous books resulting from it.

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Contributors

JASON KÖNIG is Professor of Greek at the University of St Andrews. He works broadly on the Greek literature and culture of the Roman Empire. His books include *Athletics and Literature in the Roman Empire* (2005), *Saints and Symposiasts: The Literature of Food and the Symposium in Greco-Roman and Early Christian Culture* (2012) and *Ordering Knowledge in the Roman Empire* (2007) (edited jointly with Tim Whitmarsh).

GREG WOOLF is Professor of Classics and Director of the Institute of Classical Studies in London. His books include *Becoming Roman: The Origins of Provincial Civilization in Gaul* (1998), *Et tu Brute: The Murder of Julius Caesar and Political Assassination* (2006), *Tales of the Barbarians: Ethnography and Empire in the Roman West* (2011) and *Rome: An Empire's Story* (2012). He has also edited volumes on literacy, on the city of Rome and on Roman religion and has published widely on ancient history and Roman archaeology.

AUDE DOODY is Lecturer in Classics at University College Dublin. Her research focuses on ancient scholarship and technical writing, especially Pliny the Elder; her publications include *Pliny's Encyclopedia: The Reception of the Natural History* (2010).

MARCO FORMISANO is Professor (*docent*) of Latin Literature at Ghent University. He has published extensively on ancient technical and scientific writing, on late Latin literature, on martyr acts and on the reception of antiquity. Relevant publications include *Tecnica e scrittura. Le letterature tecnico-scientifiche nello spazio letterario tardolatino* (2001), *Flavio Vegezio Renato, L'arte della guerra romana* (2003), *War in Words: Transformations of War from Antiquity to Clausewitz* (edited with Hartmut Böhme) (2011), *Knowledge, Text and Practice in Ancient Technical Writing* (2017) and *Vitruvius: Text, Architecture, Reception* (2016).

JILL HARRIES is Emeritus Professor of Ancient History in the School of Classics at the University of St Andrews. She is the author of *Sidonius Apollinaris and the Fall of Rome* (1994), *Law and Empire in Late Antiquity* (1999),

Cicero and the Jurists (2006), *Law and Crime in the Roman World* (2007) and *Imperial Rome, AD 284–363: The New Empire* (2012).

DANIEL HARRIS-MCCOY is Assistant Professor of Classics at the University of Hawai‘i at Mānoa. His edition of Artemidorus’ *Oneirocritica* was published in 2012.

HARRY HINE is Emeritus Professor in the School of Classics at the University of St Andrews. He has edited Seneca’s *Natural Questions*, and has published widely on Seneca and on Latin technical and scientific literature.

EMILY KNEEBONE is College Lecturer in Classics at Newnham College, Cambridge, and Co-Investigator of the AHRC research project ‘Greek Epic of the Roman Empire: A Cultural History’ (University of Cambridge). She has published articles on imperial Greek prose and poetry, including Josephus and Quintus of Smyrna, and is currently completing a monograph on Oppian’s *Halieutica*.

ALICE KÖNIG is Lecturer in Latin at the University of St Andrews. She works on Domitianic, Nerva and Trajanic literature, ancient technical/scientific writing (especially Vitruvius and Frontinus) and military writing. She is currently working on a monograph which will bring Frontinus’ surviving works into dialogue with each other. She is also running a collaborative research project on ‘Literary Interactions under Nerva, Trajan and Hadrian’ based at the University of St Andrews.

LEAH KRONENBERG is Associate Professor of Classics at Rutgers University. She is the author of *Allegories of Farming from Greece and Rome: Philosophical Satire in Xenophon, Varro, and Virgil* (2009), as well as articles on Catullus, Virgil and Ovid.

DARYN LEHOUX is Professor of Classics at Queen’s University, Ontario. He is the author of *Creatures Born of Mud and Slime* (forthcoming), *What Did the Romans Know?* (2012), and *Astronomy, Weather, and Calendars in the Ancient World* (2007), as well as co-editor (with A. D. Morrison and A. Sharrock) of *Lucretius: Poetry, Philosophy, Science* (2013).

SIR GEOFFREY LLOYD is Emeritus Professor of Ancient Philosophy and Science at the University of Cambridge and Senior Scholar at the Needham Research Institute. His most recent books are *The Ideals of Inquiry: An Ancient History* (2014) and *Analogical Investigations: Historical and Cross-Cultural Perspectives on Human Reasoning* (2015).

REVIEL NETZ is Professor of Classics at Stanford University. His main field is the history of pre-modern mathematics. His research involves the wider issues of the history of cognitive practices, e.g. visual culture, the history of the book, literacy and numeracy. His books include *The Shaping of Deduction in Greek Mathematics: A Study in Cognitive History* (1999), *The Transformation of Early Mediterranean Mathematics: From Problems to Equations* (2004) and *Ludic Proof: Greek Mathematics and the Alexandrian Aesthetic* (2009).

RALPH M. ROSEN is Vartan Gregorian Professor of Humanities and Classical Studies at the University of Pennsylvania. He has published widely in various areas of Greek and Roman literature, intellectual history and ancient medicine. His most recent book is *Making Mockery: The Poetics of Ancient Satire* (2007). He is also co-editor (with Lesley Dean-Jones) of *Ancient Concepts of the Hippocratic: Papers Presented at the XIIIth International Hippocrates Colloquium* (2015).

MICHAEL TRAPP is Professor of Greek Literature and Thought at King's College London. His books include *Maximus of Tyre: The Philosophical Orations* (1997), *Philosophy in the Roman Empire: Ethics, Politics and Society* (2007) and (as editor) *Socrates from Antiquity to the Enlightenment* and *Socrates in the Nineteenth and Twentieth Centuries* (both 2007). He is now working on a revision and completion of the Loeb Classical Library edition of Aelius Aristides.

KATHARINA VOLK is Professor of Classics at Columbia University and the author of monographs on Latin didactic poetry, the astrological poet Manilius and Ovid. She is currently working on a book on the intellectual history of the late Roman Republic.

NICOLAS WIATER is Lecturer in Classics at the University of St Andrews. His major publications include *The Ideology of Classicism: Language, History, and Identity in Dionysius of Halicarnassus* (2011), a new German translation with commentary of Dionysius' *Roman Antiquities* (volume 1 published in 2014) and *The Struggle for Identity: Greeks and Their Past in the First Century BCE* (2011) (jointly edited with Thomas A. Schmitz). His current projects include a new commentary on the third book of Polybius' *Histories*.

JOHANNES WIETZKE received his PhD in Classics from Stanford University and is currently Visiting Assistant Professor in the Department of Classics at Carleton College, Texas. He is preparing a monograph on authorship and self-canonisation in ancient scientific, technical and expository writing.

Preface

This book is the third in a trilogy of edited volumes arising from a project on ‘Science and Empire in the Roman World’ which ran in St Andrews from 2007 to 2010, funded by the Leverhulme Trust; the others are *Ancient Libraries* and *Encyclopaedism from Antiquity to the Renaissance*, both published by Cambridge University Press in 2013. The project as a whole was a joint enterprise, but Jason König took the lead in assembling this final collection and bringing its editing to completion. This third volume arose from a series of workshops and conferences on scientific writing and on scientists and professionals in the ancient world which took place during the second half of the project. Very few of the chapters below were delivered as papers – most were commissioned and designed afterwards – so this is not in any sense a conference volume, but we are very grateful to all who attended those events to give papers and to contribute to our discussions, which had a formative influence over our plans for the volume as a whole. Among other things, they helped to convince us even further of the value of examining a wide range of different disciplines together in order to see better the cross-fertilisation between them. In that sense the word ‘science’ in the title is intended in the most capacious sense possible, to encompass the whole industry of ancient knowledge-ordering, not just what we would refer to now as ‘scientific’ and technical topics, but also fields like law, historiography and generalship, which are not often studied as part of the history of ancient science. We are grateful to the Leverhulme Trust for funding that project, to Katerina Oikonomopoulou, who collaborated with us in organising all of these events as postdoctoral fellow for the project, and to Michael Sharp and all at Cambridge University Press. In what follows we have generally preferred Latinised spellings of Greek names, except where the Greek version seems more familiar or more appropriate.

Abbreviations

Journal titles are cited in full in the bibliography. Abbreviations in chapters follow the *Oxford Classical Dictionary* (or for works not listed there, the *Greek-English Lexicon* (LSJ) or the *Oxford Latin Dictionary*). Title abbreviations for the works of Galen follow Hankinson 2008b: 391–7. The following abbreviations are not listed in any of those sources:

EAE	<i>ṭupšarru Enūma Anu Enlil</i>
EANS	Keyser, P. T. and Irby-Massie, G. L. (eds) (2008) <i>The Encyclopedia of Ancient Natural Scientists</i> , London.
K	Kühn, K. G. (ed.) (1821–33) <i>Opera omnia Claudii Galeni</i> , Leipzig.
N	Nickel, D. (2001) <i>Galen: Über die Ausformung der Keimlinge</i> (CMG 5.3.3), Berlin.
Varro, ARD	Varro, <i>Antiquitates rerum divinarum</i>