

THE HOROLOGIUM OF AUGUSTUS: DEBATE AND CONTEXT

by

Lothar Haselberger

with contributions by

Paolo Albèri Auber, Géza Alföldy†, John Fillwalk, Bernard Frischer,
Robert Hannah, Peter J. Heslin, Eugenio La Rocca, Günter Leonhardt,
John Pollini with Nicholas Cipolla, and Michael Schütz

PORTSMOUTH, RHODE ISLAND
2014

JOURNAL OF ROMAN ARCHAEOLOGY®

JRA® SUPPLEMENTARY SERIES NUMBER 99

General Editor: J. H. Humphrey

Layout: C. Corey

ISBN-13: 978-0-9913730-3-1

ISSN 1063-4304 (for the supplementary series)

Copyright © 2014 Journal of Roman Archaeology, L.L.C. Printed by Thomson-Shore, Dexter, Michigan
JRA® and Journal of Roman Archaeology® are registered trademarks of Journal of Roman Archaeology, L.L.C.

This and other supplements to the *Journal of Roman Archaeology* may be ordered from:

JRA, 95 Peleg Road, Portsmouth, RI 02871, U.S.A.

Telephone (+USA) 401 683 1955 telefax (+USA) 401 683 1975 e-mail: jra@JournalofRomanArch.com

Web site: JournalofRomanArch.com

Permission to copy may be obtained only direct from *JRA*, by e-mail, letter, fax or phone.

Kindly note that the Copyright Clearance Center (USA), the Copyright Licensing Agency (UK), and other national Reproduction Rights Organizations are not permitted to authorize copying or to collect fees for doing so.

TABLE OF CONTENTS

Selected bibliography with abbreviations used in this book	7
Preface	13
The original debate (2011)	
1. A debate on the Horologium of Augustus: controversy and clarifications (2011) <i>Lothar Haselberger</i>	15
2. The Augustus Code: a response to L. Haselberger (2011) <i>Peter J. Heslin</i>	39
3. The Horologium on the Campus Martius reconsidered (2011) <i>Michael Schütz</i>	43
Expanding the debate	
4. Observations on Augustus' obelisk, meridian, and Ara Pacis, and their symbolic significance in the <i>Bildprogramm</i> of Augustus <i>John Pollini with Nicholas Cipolla</i>	53
5. Reconstructing Augustus' Montecitorio obelisk: a gnomonist's point of view <i>Paolo Albèri Auber</i>	62
6. New digital simulation studies on the obelisk, meridian, and Ara Pacis of Augustus <i>Bernard Frischer and John Fillwalk</i>	77
7. Ancient and modern gnomonics: concerns and clarifications <i>Michael Schütz</i>	91
Broadening the context	
8. Horologium and Mausoleum Augusti: an overview of the fieldwork (1979-97) and the existing documentation (2013), with Addendum (2014) <i>Günter Leonhardt</i>	101
9. The Horologium of Augustus as a sundial (2011), with Addendum (2013) <i>Robert Hannah</i>	107
10. The Horologium of Augustus and its model at Alexandria (2011) <i>Géza Alföldy†</i>	117
11. Augustus' solar meridian and the Augustan urban program in the northern Campus Martius: attempt at a holistic view <i>Eugenio La Rocca</i>	121
Challenges and outlook	
12. The 'Horologium': where do we stand, and where should we go? <i>Lothar Haselberger</i>	167
Indices	203