

Contents

Figures and Maps xvii

Abbreviations xxiii

1. Sundials and Their Place in the Roman Empire 3
 1. Sundial Environment 4
 2. Sundial Thinking 6
 3. Portable Sundials: Types and Functioning 9
2. The Geographical Portable Sundials Illustrated and Described 19
 - Presentation Format 19
 1. Rome, no. 1 24
 2. Kircher Museum, Rome, no. 2 27
 3. Memphis, no. 3 29
 4. Aquileia, no. 4 35
 5. Kunsthistorisches Museum, Vienna/Wien, no. 5 36
 6. Crêt-Châtelard, no. 6 48
 7. Museum of the History of Science, Oxford, no. 7 52
 8. Aphrodisias, no. 8 60
 9. Samos, no. 9 65
 10. Time Museum, no. 10 70
 11. Philippi, no. 11 76
 12. Science Museum, London, no. 12 82
 13. Vignacourt/Berteaucourt-les-Dames, no. 13 88
 14. Mérida, no. 14 93

15. British Museum, London, no. 15	99
16. Balkans, no. 16	104
3. Geographical Awareness and Worldviews	III
1. Names	III
2. Figures: The Concept of Latitude	116
3. Figures: The Concept of Latitude Applied	119
4. Distinguishing Homonymous Cities	123
5. Comparative Frameworks and Orientation	126
6. Latitude and Worldview	129
4. A Community of Dialers?	137
1. Time Telling: Margins of Error	141
Table: Time Museum, no. 10, and British Museum, London, no. 15	145
2. Criteria for the Choice of Names	147
3. The Appeal of the Object	153
4. The Spreading of Knowledge and Related Attractions	155
5. Time-Telling Needs	163
6. Conclusion: A Community of Dialers?	167
5. Post-classical Comparisons	171
1. The Astrolabe	173
2. The <i>Navicula</i> and "Regiomontanus" Types	177
3. Nuremberg Sundials	181
4. Scottish Stone Sundials	184
5. The Twentieth Century and Beyond	186
Appendix: The Aquincum Fragment: A Sundial Maker's Manual?	191
Gazetteer	203
Table of Latitudes and Locations	213
Bibliography	221
Ancient and Medieval Texts and Inscriptions	221
Modern Scholarship	222
Index	231