

Contents

Preface by the Series Editor	7
Acknowledgements	9
1 Introduction	11
2 Helmets	21
2.1 Eastern European Helmets	30
2.1.1 Helmets of Type Oranienburg	31
2.1.2 Helmets of Type Paks	42
2.1.3 Helmets of Type Nagytétény	53
2.1.4 Helmets of Type Pişcolt	57
2.1.5 Single Helmet Types, Cheek Plates, Knobs and Possible Fragments	69
2.1.6 Outlook to the Iron Age: Italian Cap Helmets	83
2.2 Western European Helmets	90
2.2.1 Helmets of Type Montbellet	94
2.2.2 Helmets of Type Mantes	99
2.2.3 Helmets of Type Lueg	103
2.2.4 Helmets of Type Biebesheim	109
2.2.5 Helmets of Type Bernières d'Ailly	116
2.2.6 Helmet from Tiryns	123
2.2.7 Single Helmet types and Potential Helmet Finds	125
2.2.8 Outlook to the Iron Age: Italian Crested Helmets	126
2.3 Horned Helmets	137
2.4 Analyses Helmets	148
2.4.1 Chemical Characterisation – Cap Helmets	149
2.4.2 Chemical Characterisation – Crested Helmets	156
2.4.3 Metallographic Characterisation and Construction – Cap Helmets	158
2.4.4 Metallographic Characterisation and Construction – Crested Helmets	167
3 Cuirasses	171
3.1 Research History	174
3.2 Depictions	175
3.3 Distribution and Deposition	181
3.4 Chronology and Typology	184
3.5 Decoration	188
3.6 Cuirass Fragments and Potential Cuirass Finds	191
3.7 Construction	195
3.8 Analyses	202
3.9 Use	205
4 Greaves	217
4.1 Greaves of Class I, Subclass A	222
4.1.1 Greaves of Type Desmontà	222
4.1.2 Greaves of Type Lengyeltóti	227
4.1.3 Greaves of Type Kuřim	233
4.1.4 Single Types and Miniature Greaves	237
4.2 Greaves of Class I, Subclass B	241
4.2.1 Greaves of Type Kallithea	241

4.3 Greaves of Class I, Subclass C	245
4.3.1 Greaves of Type Grammichele	245
4.4 Greaves of Class I, Subclass D	247
4.4.1 Greaves of Type Ilijak	247
4.5 Greaves of Class II	250
4.5.1 Decoration	251
4.5.2 Distribution and Deposition	251
4.5.3 Chronology	251
4.6 Potential Greave Finds	253
4.7 Analyses and Construction	254
4.7.1 Alloys Characterisation	255
4.7.2 Manufacturing Process – Microstructural Observations	257
4.7.3 Manufacturing Process – Macroscopic Observations	260
4.8 Use	261
5 Arm and Shoulder Protection	265
6 Addendum	267
7 Concluding Discussion	269
8 References	285
9 Plates	333