Military Equipment and the Identity of Roman Soldiers

Proceedings of the Fourth Roman Military Equipment Conference

edited by J. C. Coulston



BAR International Series 394 1988

B.A.R.

5, Centremead, Osney Mead, Oxford OX2 0DQ, England.

GENERAL EDITORS

A.R. Hands, B.Sc., M.A., D.Phil. D.R. Walker, M.A.

BAR S394, 1988: 'Military Equipment and the Identity of Roman Soldiers'.

Price £20.00 post free throughout the world. Payments made in dollars must be calculated at the current rate of exchange and \$8.00 added to cover exchange charges. Cheques should be made payable to B.A.R. and sent to the above address.

ISBN 0 86054 508 3

© The Individual Authors, 1988

For details of all new B.A.R. publications in print please write to the above address. Information on new titles is sent regularly on request, with no obligation to purchase.

Volumes are distributed from the publisher. All B.A.R. prices are inclusive of postage by surface mail anywhere in the world.

Printed in Great Britain

CONTENTS

	Page
List of Contributors	iv
List of Tables	v
List of Illustrations	vi
List of Abbreviations	ix
Preface	х
Three legionaries at Croy Hill J.C. Coulston	1
Certain doubts and doubtful conclusions: the lorica segmentata from Newstead and the Antonine garrison A.G. Poulter	31
A fragmentary shield cover from Caerleon C. van Driel-Murray	51
Cavalry equipment of the Roman army in the first century A.D. $\text{M.C. Bishop} \\$	67
'Small finds' from turrets on Hadrian's Wall L. Allason-Jones	197
Some military bronzes from the Trinovantian $\underbrace{\text{civitas}}_{N \bullet P \bullet \text{ Wickenden}}$	234
The fabricae: state arms factories of the Later Roman	
Empire S. James	257
Index	333

LIST OF CONTRIBUTORS

L. Allason-Jones	Museum of Antiquities, The University, Newcastle upon Tyne, NEI 7RU, England
M.C. Bishop	Dept. of Archaeology, The University, Newcastle upon Tyne, NEl 7RU, England
J.C. Coulston	Dept. of Archaeology, The University, Newcastle upon Tyne, NEl 7RU, England
C. van Driel-Murray	I.P.P., Singel 453, 1012 WP Amsterdam, The Netherlands
S. James	Education Service, British Museum, Great Russell Street, London, WClB 3DG, England
A.G. Poulter	Dept. of Archaeology, University of Nottingham, University Park, Nottingham, NG7 2RD, England
N.P. Wickenden	Chelmsford Archaeological Trust, 1 Writtle Road, Chelmsford, Essex, CM1 3BL, England

LIST OF TABLES

			Page
BISHO	2		
Table	1	Saddle horns	127
Table	2	Girth buckles	129
Table	3	Saddle plates	131
Table	4	Junction rings	134
Table	5	Phalerae types	136
Table	6	Pendants	143
Table	7	Junction loops	158
Table	8	Strap terminals	165
Table	9	Strap fasteners (female)	168
Table	10	Strap fasteners (male)	169
Table	11	Strap mounts	171
JAMES			
Table	I		323
Table	II		324
Table	III	Diocesan order of <u>praesides</u>	325
Table	IV	Armour factory doublets in frontier zones	325
Table	V		326

LIST OF ILLUSTRATIONS

		Page
COULSTO	N	200
Fig.1	Sculpture from Croy Hill. General view	2
Fig.2	Sculpture from Croy Hill. Drawing	2
Fig.3	Sculpture from Croy Hill. View of the lower part of the	
	figures	3
Fig.4	Sculpture from Croy Hill. View of the cleaned upper area	3
_	Trajan's Column. Detail of Scene LXXXVI. Marching,	
_	unarmoured soldiers	7
	Trajan's Column. Detail of Scene LXIX. Stacked shields and	
	slung helmets	7
	Flavian pedestal reliefs from Mainz	8
118*/	The state of the s	
POULTER		
	Reconstruction of the Newstead lorica segmentata, upper	
LT.I	front view	35
n1 1	Reconstruction of the Newstead lorica segmentata, upper	
		35
	back view	. 33
English Salaha		
	EL-MURRAY	54
Fig.1	Caerleon shield cover	54
Fig.2	Shield comparisons a) Doncaster (after BUCKLAND, 1978), b)	
	Valkenburg (after GROENMAN-VAN WAATERINGE, 1967), c)	
	Caerleon cover as reconstructed, d) Bonner Berg fragments	
	projected onto the Caerleon model. Lengths of c) and d)	227227
	are hypothetical	55
Fig.3	Shield covers projected onto a goatskin. Shaded are the	
	weak areas of the axillae	56
Fig.4	Plan of construction of Caerleon replica	60
Fig.5		61
Fig.6		62
Fig.7	a. Umbo cover before moulding.	
	b. Umbo cover after moulding	62
Fig.8	[기업] 1811 - MARCHANDAN CO AND TO CO. CO. CO. CO. CO. CO. CO. CO. CO. CO	62
118.0	Roman scam, a, rest b, sacra	
BISHOP		
	Relief from tombstone of T. Flavius Bassus	69
Fig.1	T. Flavius Bassus. Detail of haunch junction, showing	0.5
Fig.2		69
~. 0	haunch straps passing beneath saddle pommel	0,5
Fig.3		70
	band and pendants	70
Fig.4	T. Flavius Bassus. Detail of horse's head with bridle,	70
	bit, hackamore, and poll knot	70
Fig.5	Relief from tombstone of Longinus Biarta	72
Fig.6		72
Fig.7	Relief from tombstone of unknown cavalryman	73
Fig.8	Relief from tombstone of M. Sacrius Primigenius	73
Fig.9	- '문항' 전문이 가입니다 마다는 이렇게 하면 이렇게 하면	
The second	bridle, bit, poll knot, and phalera	75
Fig.10	Relief from tombstone of Lucius	75
	Relief from tombstone of Oluper	76
	Relief from tombstone of Niger	76
Fig. 13	Relief from tombstone of M. Aemilius Durises	78
	Relief from tombstone of Vonatorix	78
TT8 . T4	MOTTOT TIOM FORMOTONIA AT A COMPANY	

	Page
Fig.15 Relief from tombstone of Cantaber	80
Fig. 16 Relief from tombstone of C. Romanius Capito	80
Fig. 17 C. Romanius Capito. Detail of haunch junction and tail	
binding	82
Fig. 18 C. Romanius Capito. Detail of breast junction	82
Fig.19 Depictions of harness on arch of Orange and Mausoleum at	
St.Remy	85
Fig.20 Horseman from the Gundestrup Cauldron	90
Fig.21 Relief from tombstone of Rufus	90
Fig.22 Typical front saddle horns	92
Fig.23 Typical rear saddle horns	93
Fig.24 Methods of pendant suspension and martingale attachment	97
Fig.25 Reconstructed typical Celto-Roman harness with terminology	
Fig.26 Junctions and strap fittings	101
Fig.27 Types of Celto-Roman harness	107
Fig.28 Techniques of saddle plate attachment to triplet straps	110
Fig.29 Reconstruction of typical Tiberio-Claudian harness	113
Fig.30 Reconstruction of typical Flavian harness	114
Fig.31 Reconstruction of typical Flavian parade harness	115
Fig.32 Junction loops from Corbridge (Nos.1-3)	121
Fig.33 Junction loops from Corbridge (Nos.4-8)	123
Fig.34 Junction phalera from Corbridge	125
Fig.35 Type sketches for saddle horns	128
Fig.36 Type sketches for girth buckles	128
Fig. 37 Type sketches for saddle plates, Types 1-3	130
Fig.38 Type sketches for saddle plates, Types 4-6	132
Fig. 39 Type sketches (decorative) for phalerae Types 1-3	135
Fig. 40 Type sketches (decorative) for phalerae Types 4-12	137
Fig. 41 Type sketches (functional) for phalerae Types 1-3	139
Fig. 42 Type sketches (functional) for phalerae Types 4-7	141
Fig. 43 Type sketches for pendants, Types la-t	142 145
Fig.44 Type sketches for pendants, Types 1u-3 Fig.45 Type sketches for pendants, Types 4-5	143
Fig. 46 Type sketches for pendants, Types 6-8e	147
Fig.47 Type sketches for pendants, Types 8f-9i	152
Fig.48 Type sketches for pendants, Types 9j-10h	154
Fig. 49 Type sketches for pendants, Types 10i-11	156
Fig. 50 Type sketches for junction loops, Types 1-5	157
Fig.50 Type sketches for junction loops, Types 6-10	161
Fig. 52 Type sketches for strap terminals, Types 1-8e	164
Fig. 53 Type sketches for strap terminals, Types 8f-10	167
Fig. 54 Type sketches for strap fasteners (female)	167
Fig. 55 Type sketches for strap fasteners (male)	169
Fig. 56 Type sketches for strap mounts	170
	170
ALLASON-JONES	000
Figs.1-6 Small finds from Hadrian's Wall turrets	223
Figs.7-8 Small find distribution by site and artifact class	229
WICKENDEN	
Fig.1 The Trinovantian Civitas in the Roman period	250
Fig. 2 The Roman town of Caesaromagus, with site codes marked	251
Fig.3 Copper alloy objects from Chelmsford, 1-10	252
Fig. 4 Copper alloy objects from Chelmsford, 11-20; Heybridge,	

		Page
	21; Great Dunmow, 22	253
Fig.5		254
Fig.6	Metal detecting finds, 35-6, scale 1:2; 37, scale 1:1. Harlow sketches, 38-9	255
P1.1	Decorative terminal from double-lobed pendant. Chelmsford	256
P1.2	Double-lobed pendant from Ashdon	256
JAMES		
Fig.1	Locations of fabricae according to the Notitia	327
Fig.2	Order of notation of procuratores Gynaeciorum	327
Fig.3		
	Notitia lists	328
Fig.4	The frontier dioceses and the centres producing swords and	
₩.	armour	328
Fig.5	Fabricae scutariae	329
Fig.6	Specialist fabricae	329
Fig.7	The order of notation of fabricae in the Notitia	330
Fig.8	Fabricae and principal roads of Gaul	330
Fig.9	Fabricae and communications in Italy	331
Fig.10	Early imperial (left) and late imperial (right) helmet	
F10	types	331

ABBREVIATIONS

AA	Archaeologia Aeliana
BJ	Bonner Jahrbücher
Brit	Britannia
CIL	Corpus Inscriptionum Latinarum
CSIR	Corpus Signorum Imperii Romani
CW	Transactions of the Cumberland and Westmorland
	Antiquarian and Archaeological Society
ESP	E. Espérandieu, Receuil général des bas-reliefs, statues
	et bustes de la Gaule romaine, (Paris 1907-38)
ILS	H. Dessau, Inscriptiones Latinae Selectae, (Berlin
	1892-1916)
JRGZM	Jahrbuch des römisch-germanischen Zentralmuseums Mainz
JRS	Journal of Roman Studies
MAAR	Memoirs of the American Academy in Rome
MAKW	Mitteilungen der Altertumskommission für Westfalen
NCH	The Northumberland County History Committee, A History
	of Northumberland
ORL	Obergermanisch-raetische Limes
PSAN	Proceedings of the Society of Antiquaries of Newcastle
	upon Tyne
PSAS	Proceedings of the Society of Antiquaries of Scotland
RIB	R.G. Colingwood & R.P. Wright, The Roman Inscriptions of
	Britain, I, (Oxford 1965)
RIC	H. Mattingly & E.A. Sydenham, The Roman Imperial
	Coinage, (London 1923 etc.)
RLO	Römische Limes in Österreich
RM	Mitteilungen des deutschen archäologischen Instituts,
	römischen Abteilung (Römische Mitteilungen)
	NEST/251 A

PREFACE

The title of this volume was taken as a theme for the Fourth Roman Military Equipment Conference (ROMEC IV) held at Newcastle University (12th-13th April, 1986). It may be pursued on two levels. Firstly, inevitably have some bearing on the attempted small-finds identification of garrisons occupying Roman military sites. Some types of equipment may be seen as specific to certain types of troops (Coulston) or they may be judged to have been in general use (Poulter). Cavalry may be distinguished from infantry in the archaeological record and even cavalry horse harness may have been different from pack or draught harness (Bishop). Such issues might seem to be confused by the contemporaneous use of a variety of forms of one class of equipment Driel-Murray) whereas a broad study of one type of site (Allason-Jones), or of one geographical region (Wickenden), often reveals interesting patterns which might otherwise have been missed in an artifact-specific approach. Whatever conclusions are arrived at with regard to equipment specificity, they have an importance far beyond just the field of Roman military equipment studies.

The second level on which the volume's theme might be pursued is more anthropological and hinges on the personal identity of a man as a soldier in ancient society. Before the mid-late 17th century the concept of 'uniform' in the modern military sense was unknown and most 'soldiers' wore normal 'civilian' dress, commensurate with their rank and social status. In many periods the violent sub-culture of soldiery sets them psychologically apart from the rest of society. Thus visible identifiers of military occupation were often necessary for troops when they were not in full armour. Macedonian military boots or the slashed extravagance of Renaissance Landsknechte are cases in point, as are the characteristic waist-belts and noisy aprons or strap-ends worn by Roman soldiers. Thus the role of military equipment in the identity of Roman soldiery transcends the bounds of Roman studies and forms part of a much longer-term process of development.

No apology is necessary for the inclusion of Mr S. James' definitive article which does not accord directly with the volume's title, and which was read in a shorter version at the 1984 Sheffield seminar. It is very pleasing to see this work and Dr M.C. Bishop's study of cavalry equipment appear after a long period in limbo.

The editor would like to take this opportunity to thank those people who have contributed papers to this volume. In addition, the following people delivered papers at the conference itself: Dr D. Baatz, Mr M. Ardrich, Dr K. Griffiths, Dr M. Grünewald, Mr P. Johnson and Dr V.A, Maxfield (kindly read in absentia by Mr M.W.C. Hassall). Dr M.C. Bishop and Mr S. James read papers different from those appearing here. The editor is very grateful indeed to the following colleagues and friends who helped to organise, chair and run the conference and who contributed in no small part to its success: Miss L. Allason-Jones, Ms M.V. Andrews, Mr J. Bennett, Mr C.M. Daniels, Dr H. Dodge, Prof P.J. Fowler, Mr P.W.M. Freeman and Mr M.W.C. Hassall. Thanks are due to the Departments of Archaeology and Fine Art, Newcastle University, and to the Museum of Antiquities of the Society of Antiquaries of Newcastle upon Tyne, for the use of their premises, and to Mr P.G. Masterman of

University Precinct Services. Mrs A. Gibson Ankers very kindly drew the conference logo. With regard to the production of this volume, the editor owes a great debt of gratitude to Dr M.C. Bishop for his constant encouragement, kind advice and practical help.

J.C. Coulston

Newcastle upon Tyne