

# FAH

FASCICULI ARCHAEOLOGIAE HISTORICAE

fasciculus XXI

INSTITUTE OF ARCHAEOLOGY AND ETHNOLOGY OF POLISH ACADEMY OF SCIENCES  
POLISH ACADEMY OF SCIENCES • ŁÓDŹ BRANCH

[www.rcin.org.pl](http://www.rcin.org.pl)



2

FASCICULI ARCHAEOLOGIAE HISTORICAE

Studies into Mounted Warriors' Equipment  
in Antiquity and the Middle Ages

Biblioteka Instytutu  
Archeologii i Etnologii PAN



0038466

FASCICULI ARCHAEOLOGIAE HISTORICAE

Studies into Mounted Warfare, Equipment  
in Antiquity and the Middle Ages

CZYTELNIA

INSTITUTE OF ARCHAEOLOGY AND ETHNOLOGY OF POLISH ACADEMY OF SCIENCES  
POLISH ACADEMY OF SCIENCES • ŁÓDŹ BRANCH



P III 348

## FASCICULI ARCHAEOLOGIAE HISTORICAE

Studies into Mounted Warriors' Equipment  
in Antiquity and the Middle Ages

fasciculus XXI

ŁÓDŹ 2008

*Alca. 33/2009 d.*

[www.rcin.org.pl](http://www.rcin.org.pl)

FASCICULI ARCHAEOLOGIAE HISTORICAE EDITORIAL BOARD  
1, TYLNA STREET, 90-364 ŁÓDŹ, POLAND

Edited by  
JERZY MAIK

Secretary of the Editorial Board  
KALINA SKÓRA

Editorial Committee  
ANDRZEJ ABRAMOWICZ (Łódź, Poland), SVEN EKDAHL (Berlin, Germany)  
FRANÇOISE PIPONNIER (Paris, France), JAN SZYMCZAK (Łódź, Poland)

Cover design and layout by  
EMILIA WTORKIEWICZ-MAROSIK

Indexed in:  
IBZ-International Bibliography of Periodical Literature

© Copyright by Instytut Archeologii i Etnologii PAN, Warszawa  
and Polska Akademia Nauk, Oddział w Łodzi

Printed in Poland  
PL ISSN 0860-0007

Typesetting by  
PAWEŁ KOZIOROWSKI

Printed by "Wist", Zgierz

Edition copies: 300

## INDEX

<i>Jerzy Maik</i> , Preface .....	pp. 7
<i>Владимир А. Горончаровский</i> , Седло в комплексе снаряжения верхового коня на Боспоре в римское время .....	pp. 9
<i>Sergey G. Botalov</i> , Horses a biting and harness Huns and Turkics of the Ural-Kazakhstan steppes ....	pp. 15
<i>Юлий С. Худяков</i> , Седла древних тюрок центральной Азии .....	pp. 23
<i>Witold Świątosławski</i> , The Saddle of the Late Medieval Steppe Nomads .....	pp. 39
<i>Annette Saemann</i> , La selle de cheval dans l'iconographie alsacienne (XIIe-XVe siecle) .....	pp. 51
<i>Piotr Nowakowski</i> , Remarks on the Construction, Evolution and Use of the War Saddle in Late Medieval Poland .....	pp. 61
<i>Piotr N. Kotowicz</i> , Early Medieval War-Flails (Kistens) from Polish Lands .....	pp. 75
List of authors .....	pp. 87

EDITORIAL BOARD

INDEX

1-30 .....  
31-40 .....  
41-50 .....  
51-60 .....  
61-70 .....  
71-80 .....  
81-90 .....  
91-100 .....  
101-110 .....  
111-120 .....  
121-130 .....  
131-140 .....  
141-150 .....  
151-160 .....  
161-170 .....  
171-180 .....  
181-190 .....  
191-200 .....  
201-210 .....  
211-220 .....  
221-230 .....  
231-240 .....  
241-250 .....  
251-260 .....  
261-270 .....  
271-280 .....  
281-290 .....  
291-300 .....  
301-310 .....  
311-320 .....  
321-330 .....  
331-340 .....  
341-350 .....  
351-360 .....  
361-370 .....  
371-380 .....  
381-390 .....  
391-400 .....  
401-410 .....  
411-420 .....  
421-430 .....  
431-440 .....  
441-450 .....  
451-460 .....  
461-470 .....  
471-480 .....  
481-490 .....  
491-500 .....  
501-510 .....  
511-520 .....  
521-530 .....  
531-540 .....  
541-550 .....  
551-560 .....  
561-570 .....  
571-580 .....  
581-590 .....  
591-600 .....  
601-610 .....  
611-620 .....  
621-630 .....  
631-640 .....  
641-650 .....  
651-660 .....  
661-670 .....  
671-680 .....  
681-690 .....  
691-700 .....  
701-710 .....  
711-720 .....  
721-730 .....  
731-740 .....  
741-750 .....  
751-760 .....  
761-770 .....  
771-780 .....  
781-790 .....  
791-800 .....  
801-810 .....  
811-820 .....  
821-830 .....  
831-840 .....  
841-850 .....  
851-860 .....  
861-870 .....  
871-880 .....  
881-890 .....  
891-900 .....  
901-910 .....  
911-920 .....  
921-930 .....  
931-940 .....  
941-950 .....  
951-960 .....  
961-970 .....  
971-980 .....  
981-990 .....  
991-1000 .....





P III 348

iae · PAN