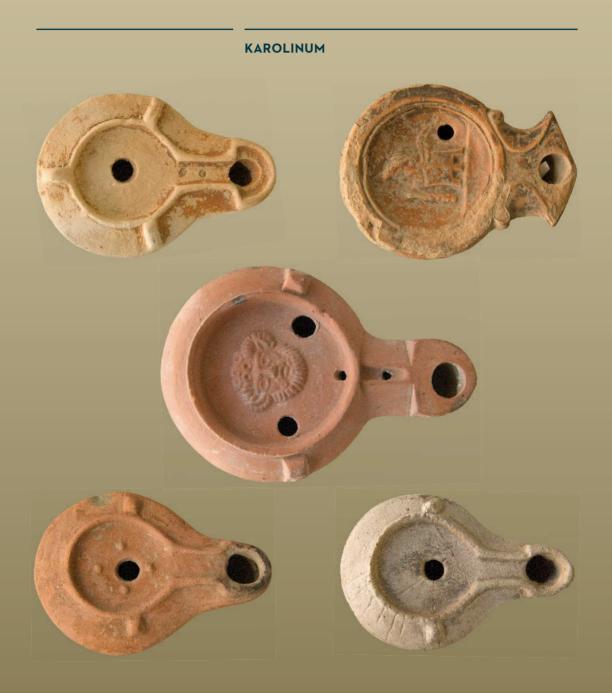
# ROBERT FRECER

# **GERULATA: THE LAMPS** ROMAN LAMPS IN A PROVINCIAL CONTEXT



**Gerulata: The Lamps** Roman Lamps in a Provincial Context

#### **Robert Frecer**

Reviewers: Laurent Chrzanovski Florin Topoleanu

Published by Charles University in Prague Karolinum Press Layout by Jan Šerých Typeset by Karolinum Press Printed by PBtisk First edition

This work drew financial support from grant no. 280213 of the Charles University Grant Agency, and internal grant VG302 of the Faculty of Arts of Charles University in Prague.

As of November 2014, the author is a doctoral candidate at the Institute for Classical Archaeology, Faculty of Arts, Charles University in Prague.

ISBN 978-80-246-2678-9 ISBN 978-80-246-2710-6 (pdf)



Charles University in Prague Karolinum Press 2015

www.karolinum.cz ebooks@karolinum.cz

This book is dedicated to my friends and family.

There's a place in my heart for all of my friends Some have stepped out, some check back in.

It is a great pleasure to see the manuscript of the new monograph of the Gerulata lamps ready for print, completing and essentially improving previous catalogues compiled by Ludmila Kraskovská and Magda Pichlerová. The progress in lychnology has enabled more exact dating and affiliation of items, the progress in printing to improve quality of illustrations and the possibility of including new finds to publish the full corpus known as yet. Moreover, a second pleasure to me is to see competent continuation of the tradition of lychnological study in the Institute of Classical Archaeology of Charles University, founded by the late Roman Haken and followed by the MA theses of Jiří Marsa and Lenka Kulichová. The new book brings new material and successfully updates the study of Roman lamps in Central Europe.

prof. PhDr. Jan Bouzek, DrSc.

Ukázka elektronické knihy

### TABLE OF CONTENTS

Acknowledgments	13		
Legend	15		
List of abbreviations	17		
1. Preface	21		
2. Lampmaking Throughout the Ages and the Romans in Gerulata	29		
2.1 History of lampmaking	30		
2.1.1 The first lamps	30		
2.1.2 The Greek re-inventions – nozzle and covered bowl	31		
2.1.3 Roman light	35		
2.1.4 The Romans acquire lamps	36		
2.1.5 Roman lamps in Gerulata	39		
2.2 Rome, Pannonia and the archaeological history of Gerulata	40		
2.2.1 The geography of Pannonia	41		
2.2.2 The literary sources	42		
2.2.3 Early Roman conquest of Pannonia	43		
2.2.4 Maroboduus	44		
2.2.5 Rome stalls	45		
2.2.6 Laying the ground for the future province	45		
2.2.7 Gerulata and its environs	48		
2.2.8 The first auxiliary fort	49		
2.2.9 The creation of the limes in Pannonia, and the second century	50		
2.2.10 The Marcomannic Wars	52		
2.2.11 The third century and the destruction of Gerulata	54		
2.2.12 Renewal in the ad 270s and the fourth century	56		
2.2.13 Valentinian and the final phase of Gerulata	57		
3. Catalogue of Lamps	61		
How to read this catalogue:	63		
Table of lamps from Gerulata	66		
Bildlampen			
3.1 Loeschcke type I – Volute lamps	68		

	3.1.1 Loeschcke type 1 b	73				
	3.1.2 Loeschcke type 1 b/c	74				
	3.1.3 Loeschcke type I c	80				
	3.1.4 Non-specific fragments of Loeschcke type I lamps	87				
3.2	Loeschcke type VIII – Round lamps	92				
3.3	3.3 Fragments of Bildlampen					
Firmalampen						
3.4	Loeschcke type IX – Early Firmalampen	112				
	3.4.1 Loeschcke type IX b	114				
	3.4.2 Loeschcke type IX c	120				
3.5	Loeschcke type X – Later Firmalampen	122				
	3.5.1 Loeschcke type X: with relief stamps	126				
	3.5.2 Loeschcke type X: illegible stamps	170				
	3.5.3 Loeschcke type X: without stamps	177				
	3.5.4 Loeschcke type XK – with shortened nozzle	190				
3.6	Unspecified fragments of Firmalampen	192				
	3.6.1 Firmalampen fragments with stamps	193				
	3.6.2 Firmalampen fragments without stamps	203				
Uncor	nmon types	226				
3.7	Lamps with multiple nozzles	226				
3.8	Glazed lamps	236				
3.9	Bronze lamps	238				
4. Lai	nps for the Dead: the Cemeteries of Gerulata					
	Contemporary Funerary Practice	241				
	The last light	242				
	4.1.1 Two phases of burial in Gerulata	242				
4.2	The case of Gerulata	243				
	4.2.1 Types of lamps in funerary contexts	243				
	4.2.2 The three cemeteries	248				
	4.2.3 Age and sex as factors	251				
	4.2.4 Lamps for the dead	253				
	4.2.5 Roman graves and provincial funerary practice	254				
	4.2.6 Lamps as personal objects in burial practice	255				
5. Cat	alogue of Stamps, Inscriptions, Marks and Distinctive Features	259				
	Producers' marks	260				
<i></i>	5.1.1 Agilis	263				
	5.1.2 Aprio	264				
	5.1.3 Atimeti	264				
	5.1.4 S. C. A.	265				
		= 3 0				
	5.1.5 Campili	265				

	5.1.6 Cassi	266
	5.1.7 Ceriali	267
	5.1.8 Communis	268
	5.1.9 Cresces	269
	5.1.10 C. Dessi	272
	5.1.11 Festi	272
	5.1.12 Fortis	273
	5.1.13 Q. G. C.	278
	5.1.14 Litogenes	279
	5.1.15 Lucius	280
	5.1.16 L. Nari	280
	5.1.17 Neri	281
	5.1.18 Octavi	282
	5.1.19 C. P. S.	283
	5.1.20 Pulli	283
	5.1.21 Strobili	284
	5.1.22 Ursu	285
	5.1.23 Vibiani	286
	5.1.24 Vibius	287
	5.1.25 Illegible stamps	288
5.2	Workshop marks	290
	5.2.1 Ornamental marks	292
	5.2.2 Dots, circles and bullseyes	295
	5.2.3 Linear marks	298
5.3	Inscriptions, incisions, and marks of a personal nature	299
	5.3.1 The 'YYCO' inscription	299
	5.3.2 The 'AY PR   O' cursive relief	302
	5.3.3 Other incisions	303
6. Cat	alogue of Discus Scenes and Iconography	307
6.1	The sacred	311
	6.1.1 Gods, goddesses and heroes	311
	6.1.2 Supernatural beings	325
	6.1.3 Sacred objects	330
6.2	The mortal	332
	6.2.1 Full figures	332
	6.2.2 Masks	334
6.3	Animals	338
6.4	Plants, objects and ornaments	344
	6.4.1 Plants	344
	6.4.2 Objects	348
	6.4.3 Ornaments	350

-

	6.5	Indet	rerminate motifs	352		
7.	Cor	nclusi	on	355		
•			erning lamp types	357		
		7.1.1	Lamp statistics	357		
		7.1.2	The Bildlampen	357		
		7.1.3	The Firmalampen	358		
		7.1.4	The multinozzlers and special shapes	361		
	7.2	Conc	erning manufacture	361		
		7.2.1	Producers' marks on the lamps of Gerulata	362		
		7.2.2	Gathering evidence for places of manufacture	367		
		7.2.3	Workshop marks on the lamps of Gerulata	370		
		7.2.4	Five modes of manufacture for Firmalampen	373		
		7.2.5	The case for long-distance trade in Gerulata	377		
	7.3	Conc	erning personal ownership and use of lamps	381		
		7.3.1	The olive oil supply	381		
		7.3.2	Alternative fuels, alternative light sources	382		
		7.3.3	Personal ownership expressed by involvement			
			in the production process	384		
			Charred nozzles as indicators of use	385		
			Personal markings on the lamps of Gerulata	386		
		7.3.6	Lamps from the vicus, lamps from the camp	386		
		7.3.7	Lamps in the burial record	387		
			Who used the lamps of Gerulata?	390		
	7.4	Lamp	os in the context of Roman culture in Gerulata	392		
		7.4.1	The story of Amor and Psyche	392		
			Religious significance of lamps	394		
			Discus motifs on the lamps of Gerulata	395		
			Reception of Roman culture and religion in Pannonia	397		
		7.4.5	The role of the army	400		
Bi	bliog	graphy	<i>I</i>	405		
Li	st of	Illust	rations Under License	417		
Aj	Appendices					
Aj	Age categories used to describe human remains in Roman graves	420				
Appendix B: Lamps dated by associated finds						
Appendix C: Distinctive features on lamps						

#### ACKNOWLEDGMENTS

The process of writing this book has been a stimulating and challenging trip. It was not without the contribution of others, and I would like to properly thank them for their involvement, great or small.

First and foremost, I am heavily indebted to Dr. Jaroslava Schmidtová at the Bratislava City Museum for providing me with the initial stimulus to write my master's thesis on the collection of Roman lamps from Gerulata. Without her valued advice, her insights gained from years of diligent excavation in Rusovce, and the experience I have gained collaborating with her, I would not have been able to write this treatise. For access to the lamps in the keeping of the Bratislava City Museum, unearthed in 30-odd years of rescue excavations, I owe Dr. Schmidtová my profound gratitude.

My greatest thanks goes to Ol'ga Babošová, who was instrumental in designing the graphs and charts, proofread the first draft, and was always beaming with words of encouragement. I would also like to thank my dear friend, Šimon Soták, who applied his skills to write the *ImageSizeNormalizer* program at virtually a moment's notice. He not only helped me manage the photographic documentation in my master's thesis and this book, but also unintentionally created a valuable tool now available to researchers everywhere to be used for scaling images.

I am indebted to Dr. Klára Füryová and Dr. Juraj Bartík from the Archaeological Museum in Bratislava for kindly granting me access to the lamps in the museum's collection, and Mrs. Daniela Lacová in helping me out in the often complicated process of retrieving them. Dr. Vladimír Turčan and Dr. Radoslav Čambal offered constructive and practical advice where documentation and photographing were concerned.

I would like to recognize the warm support I have received from my home Institute of Classical Archaeology of Charles University in Prague, especially from my graduate supervisor, Doc. Jiří Musil, but also from Dr. Ladislav Stančo and Doc. Peter Pavúk in matters of publishing. Special thanks to Prof. Jan Bouzek, who kindly wrote the foreword to this book. I am honored to have been taught by Professor Bouzek in my years of study; his suggestions in the field of ancient religion were most appreciated, and his encouragement was truly heartening. I would like to thank Jozef Csütörtöky, András Csuthy and Marek Gere of the Komárno Museum, Dr. Helena Svobodová of the National Museum in Prague, and Doc. Jiří Musil for kindly granting me permission to use images of lamps as illustrations to this book.

I am very grateful to Priv. Doz. Laurent Chrzanovski of the Department of Roman Archaeology at the University of Lyon and Dr. Florin Topoleanu of the Romanian National Archaeological Commission for their respective reviews the work and the constructive comments they offered. Doc. Václav Marek from the Institute for Greek and Latin Studies at my home Charles University and Prof. Péter Kovács from Pázmány Péter Catholic University in Piliscsaba proposed their interpretations of the vyco inscription found on two lamps, for which I am also grateful.

I would like to appreciate the friendly cooperation I have enjoyed with Karolinum Press, the Charles University home publishing house, namely from director Mgr. Petr Valo and editor Bc. Jan Hejzl, who assisted me along the journey this book has made from start to finish.

Lastly, I would also like to thank my family and friends for their support and love which helped me greatly in this endeavor.

## LEGEND

