THE ARCHAEOLOGY OF THE LAND OF EDOM

Submitted by:
Stephen Hart B.A.(Hons) Dip.Lib.
Department of Ancient History
School of History, Philosophy and Politics
Macquarie University
in fulfilment of the degree of Doctor of Philosophy
March, 1989

Thesis NK 3855 · E25 · H37 Copy I

in

ACKNOWLEDGEMENTS

As is usual in a large project, it is impossible to thank all the people who have been of assistance over the years. I would, however, like to thank everyone in Jordan who helped to make my field projects possible: Dr Andrew Garrard, Director of the British Institute of Archaeology at Amman; Dr Adnan Hadidi, Director of the Jordanian Department of Antiquities; Mr Ghassan Ramahi, my Department Representative throughout three field seasons and without whose help those seasons would have been impossible; and all those archaeologists and students who gave up their time to participate in the projects.

At the Australian end, thanks must go to my supervisor, Dr Geoffrey Cowling for his invaluable assistance and to Professor Basil Hennessy for his advice and support. Also to those friends who helped to cut, paste and proof read and to my employers, the Strategic Studies Group for being so understanding and supportive.

Finally I wish to acknowledge the help and inspiration I received from the late Dr Anthony McNicoll and the late Mrs Crystal Bennett, the pioneer of modern Edomite archaeology. To the memory of both, this thesis is respectfully dedicated.

SUMMARY

The principal aim of this thesis is to review the current status of our understanding of Edomite archaeology and, with the introduction of new material, attempt to enhance this understanding. Very little serious work has been published on Edomite archaeology to date. Excavation reports (for the sites of Tell el Kheleifeh, Umm al Biyara, Tawilan, Buseirah and Ghrareh) have appeared only in preliminary form.

The only archaeological thesis has been Oakeshott's PhD <u>A Study of the Iron II Pottery of East Jordan</u>, which appeared in 1978 and is based substantially on the pottery excavated from Buseirah. This work provides an excellent typology for Edomite pottery, but is limited in its analytical content due to the unavailability of the Buseirah stratigraphy.

This thesis addresses the problem by analysing stratified pottery from the author's recent excavations at Ghrareh, stratified pottery from a part of Buseirah (Area D) and additional material from Tawilan, as well as already known material from Umm al Biyara and Tell el Kheleifeh. Chapter 2 discusses Ghrareh in detail, Chapter 3 discuss Buseirah Area D and Chapter 4 discusses the material from the other Edomite sites.

Chapter 5 is the core of this work, attempting to produce a relative chronology for Edomite sites and Edomite pottery. Detailed comparisons are made of the pottery from the main sites. It is not possible with the material available to reach firm chronological conclusions for all Edomite pottery but conclusions on certain types can be made and are summarised in Chapter 5, section 3.5.

Also important to an understanding of Edomite archaeology is the distribution of sites within Edom. The original surveys of Nelson Glueck (undertaken in the 1930s) are no longer adequate in the light of current knowledge and to address this problem a number of recent surveys in the area, including the author's own work, are examined.

Chapter 7 discusses the place of Edom in its historical and geographical contexts and the way in which it relates to North-West Arabia and the area of the Negev and southern Judah which were to become known in the classical period as Idumea (a term closely related to Edom). The last section of Chapter 7 (7.4) contains the conclusions which can be made from this thesis and looks at future work necessary to enhance and extend these conclusions.

CONTENTS

Summary Contents List of Illustrations		
Chaj	pter 1: INTRODUCTION	1
1.1 1.2	General Introduction Oakeshott's Pottery Classification System	1 3
1.3	Brief Historical Outline	5
1.4	0 1 3	6 7
	1.4.1 Topography 1.4.2 Climate	8
Cha	pter 2 : GHRAREH	9
-		9
2.1	Introduction	10
2.2	Site description 2.2.1 Area A	10
	2.2.1 Area B	13
	2.2.3 Area C	14
	2.2.4 Area D	14
	2.2.5 Area E	14
2.3		15
2.4	1 0 1	1 9 20
2.5	Conclusions	20
Cha	pter 3 : BUSEIRAH	21
3.1	Introduction	21
U. 2	3.1.1 Excavating and Recording methods	22
3.2	Area A	23
	Area B	23
	Area C	25 25
3.5		
	3.5.1 Introduction	25 25
	3.5.2 Area D II	25 29
	3.5.3 Area D III 3.5.4 Contradictions with published reports	31
3.6	Pottery	32
3.7	Conclusions	41

Chapter 4: OTHER SITES		
	Introduction Tawilan 4.2.1 Introduction 4.2.2 Trench I 4.2.3 Trench II 4.3.4 Trench III 4.2.5 Pottery	43 43 45 45 46
4.4	Umm al Biyara Tell el Kheleifeh 4.4.1 Introduction 4.4.2 Phase I : the Casemate Fortress 4.4.3 Phases II - IV : the Fortified Settlement 4.4.4 Phase V : Late Settlement	49 52 52 53 54 54
4.5	Other Sites 4.5.1 Khirbet Ishra 4.5.2 Khirbet al Megheitah	55 55 56
Char	pter 5: EDOMITE POTTERY	58
5.1	Introduction 5.1.1 Assumptions Inherent	58 58
5.25.3	Comparison of pottery types between sites 5.2.1 Ghrareh and Buseirah Area D 5.2.2 Ghrareh and Tawilan 5.2.3 Buseirah Area D and Tawilan 5.2.4 Umm al Biyara and Tawilan 5.2.5 Umm al Biyara and Ghrareh 5.2.6 Umm al Biyara and Buseirah Area D	61 64 68 72 74 76 77 78 80 81 82
Cha	pter 6 : SURVEYS	83
6.1 6.2		83 83 83 85
6.3	The Wadi el Hasa Surveys 6.3.1 Introduction 6.3.2 Site List 6.3.3 Discussion	112 112 112 123
6.4 6.5	Wadi Feinan Region Other Surveys 6.5.1 'Aqaba-Ma'an 6.5.2 South-eastern Dead Sea Plain 6.5.3 Udhruh Region	124 126 126 126

		V
pter 7: ED	ОМ	128
Settlement in the Land of Edom Edom and N.W. Arabia Edom and Idumea General Conclusions		128 132 134 138
ography	141	
endix B	Buseirah Area D Pottery Ware Types	155 160 160a
	Settleme Edom ar Edom ar	Edom and N.W. Arabia Edom and Idumea General Conclusions cography endix A Buseirah Area D Pottery endix B Ware Types

LIST OF ILLUSTRATIONS

- MAP 1: The ancient Near East in the 1st Millenium BC
- MAP 2: Petty States of the Iron Age Levant
- MAP 3: Edom Topographical
- MAP 4: Edom Mean Annual Rainfall
- MAP 5: Edom Rainfall 1959/60 (Good Year)
- MAP 6: Edom Rainfall 1966/67 (Bad Year)
- MAP 7: Edom Probability of adequate precipitation for wheat
- MAP 8: Edom Probability of adequate precipitation for barley
- MAP 9: Edom Mean daily minimum temperature for January
- MAP 10: Edom Mean daily maximum temperature for January
- MAP 11: Edom Mean daily minimum temperature for August
- MAP 12: Edom Mean daily maximum temperature for August
- Fig. 2-1: Ghrareh and the main Edomite sites
- Fig. 2-2: Ghrareh and surrounding terrain
- Fig. 2-3: Ghrareh site plan
- Fig. 2-4: Ghrareh Area A
- Fig. 2-5: Ghrareh Area B, Phase II
- Fig. 2-6: Ghrareh Area C
- Fig. 2-7: Ghrareh Area D
- Fig. 2-8: Ghrareh Area A Section
- Fig. 3-1: Buseirah site plan
- Fig. 3-2: Buseirah Area A, Building A
- Fig. 3-3: Buseirah Area A, Building B
- Fig. 3-4: Buseirah Area D
- Fig. 3-5: Buseirah Area DII, Phase I (latest)
- Fig. 3-6: Buseirah Area DII, Phase II (middle)
- Fig. 3-7: Buseirah Area DIII
- Fig. 3-8: Buseirah Area DIII, Nth Trench, Sth Section
- Fig. 6-1: Iron Age Sites of the Edom Survey Project
- Fig. 6-2: Iron Age Sites of the Wadi Hasa Survey

Plates 1 - 28 : Ghrareh Pottery

Plates 1 - 28 : Ghraren Pottery
Plates 29 - 49 : Tawilan Pottery
Plates 50 - 55 : Buseirah Area D Pottery
Plates 56 - 58 : Umm al Biyara Pottery
Plate 59 : Khirbet al Megheitah Pottery
Plate 60 : Khirbet Ishra Pottery
Plate 61 : Tell el Kheleifeh Pottery
Plates 62-66 : Edom Survey Project Pottery
Plate 67 : Kh. Abu Banna/ Kh. Mashmil Pottery