

# Contents

<b>List of Figures.....</b>	<b>xv</b>
<b>List of Tables.....</b>	<b>xviii</b>
<b>1. Introduction.....</b>	<b>1</b>
1.0 Introduction.....	1
1.1 Kirfi and its settlement history.....	3
1.2 Theoretical framework.....	6
1.3 Scope and methodology.....	8
1.4 Concluding remarks.....	11
<b>2. Background of Research.....</b>	<b>13</b>
2.0 Introduction.....	13
2.1. Environmental settings.....	13
2.1.1 Climate.....	13
2.1.2 Geology and soils.....	15
2.1.3 Topography and drainage.....	16
2.1.4 Vegetation.....	17
2.2 An anthropological view of Southern Bauchi.....	19
2.3 Outline of West Africa's early history.....	22
2.3.1 Archaeology of Lake Chad Basin (Kanem-Borno).....	22
2.3.2 Archaeology and history of Hausaland.....	23
2.3.3 History of Jukun/Kwararafa.....	24
2.3.4 Kagalan in history.....	25
2.3.5 The archaeology of Bauchi region.....	26
2.4 Concluding remarks.....	27
<b>3. Recent Cultural Settings and Context of Productions.....</b>	<b>29</b>
3.0 Introduction.....	29
3.1 Iron working.....	29
3.1.1 Iron smelting.....	30
3.1.2 The smelting space.....	31
3.2 Blacksmithing.....	32
3.2.1 Roles and social organisation.....	32
3.2.2 Learning process.....	32
3.2.3 Forging materials.....	32
3.2.4 Smithing workshops.....	33
3.2.5 The forging process.....	34
3.2.6 Products and marketing.....	34
3.3 Pottery making.....	34
3.3.1 Learning and apprenticeship.....	35
3.3.2 Raw material sourcing.....	36
3.3.3 Tools and materials.....	37
3.3.4 Clay preparation.....	37
3.3.5 Forming and shaping.....	37
3.3.6 Finishing.....	38
3.3.7 Decorations and their motifs.....	38
3.3.8 Firing.....	39
3.3.9 Post-firing treatments.....	41
3.3.10 Distribution and marketing.....	41
3.3.11 Products and function.....	41
3.3.12 Discard and symbolism.....	42
3.4 Textile production.....	43

3.4.1 Raw materials.....	44
3.4.2 Tools and space .....	44
3.4.3 Learning and training .....	44
3.4.4 Cotton spinning .....	44
3.4.5 Weaving.....	45
3.4.6 Dyes and dyeing.....	45
3.4.7 Product marketing .....	46
3.5 Concluding remarks .....	47
<b>4. Field Walking and Survey .....</b>	<b>49</b>
4.0 Introduction.....	49
4.1 Methodology .....	50
4.2 Site surveys .....	52
4.2.1 Tudun Dangawo .....	52
4.2.2 Kagalan .....	56
4.2.3 Kirfin Sama Hill.....	60
4.4 Concluding remarks .....	64
<b>5. The Archaeological Excavations .....</b>	<b>67</b>
5.0 Introduction.....	67
5.1 General methodological overview .....	67
5.2 Presentation of sites .....	68
5.2.1 Tudun Dangawo (TDG) .....	68
5.2.2 Kirfin Sama Hill (KSH) .....	69
5.2.3 Kagalan (KGL).....	70
5.3 Overview of excavation units .....	70
5.3.1 The Tudun Dangawo Excavation Unit.....	70
5.3.2 Kirfin Sama Hill Excavation Unit.....	73
5.3.3 Kagalan Excavation Unit .....	76
5.4 Concluding remarks .....	79
<b>6. Pottery.....</b>	<b>81</b>
6.0 Introduction.....	81
6.1 Presentation of assemblage .....	81
6.2 Methodology used for analysis .....	81
6.2.1 Diagnostic sherds .....	82
6.2.2 Introducing sherd attributes.....	82
6.2.3 Setting out basic terminologies and definition of other attributes.....	82
6.3 Classification based on part of the vessel .....	82
6.3.1 Description of assemblage .....	83
6.3.2 Vessel distribution .....	85
6.4 Classification of handle types .....	86
6.5 Characteristics based on sherd thickness .....	87
6.6 Characteristics based on fabric (texture and inclusion).....	88
6.7 Characteristics based on colour .....	89
6.8 Characteristics based on surface treatment.....	90
6.9 Classification based on decorative motif .....	92
6.9.1 Variation in decoration – roulette.....	96
6.9.2 Paint analysis.....	98
6.9.3 Incised motifs.....	99
6.10 Clay material characterisation.....	100
6.11 Concluding remarks .....	103
<b>7. Finds other than Pottery.....</b>	<b>105</b>
7.0 Introduction.....	105
7.1 Tudun Dangawo Settlement Site.....	105
7.1.1 Ferrous objects .....	105
7.1.2 Slag.....	105
7.1.3 Other metal objects .....	105

7.1.4 Bone objects.....	105
7.1.5 Stone objects.....	105
7.1.6 Other stone objects.....	107
7.1.7 Ceramic materials.....	108
7.1.8 Burnt clay-daub.....	110
7.1.9 Other ceramics.....	111
7.1.10 Unidentified materials.....	112
7.2 Kirfin Sama Hill.....	112
7.2.1 Ferrous objects.....	112
7.2.2 Slag.....	113
7.2.3 Other metal objects.....	113
7.2.4 Bone/shell objects.....	113
7.2.5 Bone objects.....	114
7.2.6 Stone objects.....	114
7.2.7 Ceramics.....	116
7.2.8 Others.....	118
7.2.9 Glass.....	118
7.3 Kagalan.....	118
7.3.1 Ferrous objects.....	118
7.3.2 Slag.....	119
7.3.3 Other metal objects.....	120
7.3.4 Bone and shell objects.....	120
7.3.5 Stone objects.....	120
7.3.6 Ceramics.....	121
7.4 Concluding remarks.....	122
<b>8. Conclusion.....</b>	<b>123</b>
<b>Bibliography.....</b>	<b>127</b>
<b>Appendix 1a. Table of small finds for Tudun Dangawo.....</b>	<b>141</b>
<b>Appendix 1b. Table of small finds for Kirfin Sama Hill.....</b>	<b>143</b>
<b>Appendix 1c. Table of small finds for Kagalan.....</b>	<b>145</b>
<b>Appendix 2. Table of various sherd decorations identified across all sites.....</b>	<b>147</b>
<b>Appendix 3a. Preliminary Analysis of Faunal Remains I: 2011.....</b>	<b>157</b>
<b>Appendix 3b. Preliminary Analysis of Faunal Remains II: 2013.....</b>	<b>159</b>
<b>Appendix 4. Ceramic thin sections.....</b>	<b>161</b>