

# Contents

List of Figures.....	xv
List of Tables.....	xix
Abstract .....	xxi
<b>Introduction.....</b>	<b>1</b>
<b>1. Environmental Background of Southern Africa .....</b>	<b>5</b>
1.1. Delimitation of the study area.....	5
1.1.1. Geomorphology and soils .....	5
1.2. Past and present climatic conditions .....	8
1.3. Past and present vegetation.....	10
1.4. Fauna.....	12
<b>2. The Late Stone Age with a Special Focus on the Studied Sites.....</b>	<b>15</b>
2.1. The Late Pleistocene and the onset of the LSA.....	15
2.1.1. Technical changes during the LSA.....	16
2.2. The Holocene LSA and its place among the history of the peopling of Southern Africa.....	19
2.3. Chronology and the place of herders: the advent of a Southern African ‘Neolithic’?.....	19
2.3.1. Subsistence strategies .....	22
2.4. Leopard Cave (Erongo, Namibia).....	22
2.4.1. Stratigraphy and dating.....	23
2.4.2. Lithic materials.....	27
2.4.3. Faunal remains.....	27
2.4.4. Human remains.....	29
2.4.5. Pigments and rock art .....	30
2.4.6. Present day environment .....	32
2.5. Toteng 1 (Botswana).....	32
2.5.1. Stratigraphy and dating.....	33
2.5.2. Archaeological remains .....	33
2.5.3. Pottery.....	36
2.5.4. Lithics .....	36
2.5.5. Non lithic products .....	37
2.5.6. Faunal remains.....	37
2.5.7. Lake Ngami as an important water source .....	39
2.5.8. Present day landscape and vegetation .....	40
2.6. Geduld (Kunene, Namibia).....	41
2.6.1. Stratigraphy and datings .....	41
2.6.2. Material cultures.....	41
2.6.3. Faunal remains.....	43
2.6.4. Botanical remains .....	44
<b>3. Archaeobotanical Material and Methods .....</b>	<b>45</b>
3.1. Description of the study material.....	45
3.2. Sampling methods.....	46
3.3. Leopard Cave.....	46
3.4. Geduld.....	48
3.5. Toteng 1 .....	48
3.6. Laboratory methods and botanical identifications .....	49
3.7. Charcoal analysis .....	50
3.8. Seed analysis.....	50
3.9. Constitution of a reference collection .....	51
<b>4. Plant Use Among Present-day Damara and San Populations in the Erongo Region, Namibia.....</b>	<b>55</b>
4.1. Objectives of the ethnobotanical study .....	55
4.2. Description of the Damara village of Tubusis .....	55
4.2.1. The Damara ethnic group .....	56

4.2.2. Methodology.....	57
4.2.3. Description of plant uses for each household.....	58
4.2.4. General observations .....	60
4.3. The San Living Museum in the Omandumba farm .....	60
4.3.1. The San populations of Southern Africa .....	63
4.3.2. Plant use in the San community from Tsumkwe .....	64
<b>5. Results .....</b>	<b>69</b>
5.1. Description of identified taxa .....	69
5.2. Leopard Cave: results of the anthracological study .....	112
5.2.1. Results of the seed analysis .....	113
5.2.2. First observations on the macrobotanical record at Leopard Cave .....	113
5.3. Geduld: results of the anthracological study.....	115
5.3.1. Results of the seed analysis .....	117
5.3.2. First observations on the macrobotanical record at Geduld .....	119
5.4. Toteng: results of the anthracological study .....	119
5.5. Preliminary conclusions.....	120
<b>6. Discussion.....</b>	<b>121</b>
6.1. Leopard Cave's arboreal species from charcoal .....	121
6.2. Arboreal species from seed analysis .....	121
6.3. Geduld's arboreal species from charcoal .....	123
6.4. Arboreal species from seed analysis .....	123
6.5. Annual plants from seeds analysis.....	123
6.6. Toteng's arboreal species from charcoal.....	123
6.7. Making inferences from today's vegetation.....	124
6.8. Wild fauna to complement the environmental setting .....	125
6.9. Subsistence strategies and use of biological resources .....	126
6.10. The choice of species .....	126
6.11. Two exceptional species of <i>Colophospermum mopane</i> and <i>Sclerocarya birrea</i> .....	126
6.12. Seasonality of fruit collection and possible processing .....	127
<b>Appendix 1: Wood Anatomy for Identification Purposes.....</b>	<b>131</b>
<b>Appendix 2: List of Identified Families Featuring in the Wood Atlas</b> <b>(According to Coates and Palgrave 2002; van Wyk and van Wyk 2007).....</b>	<b>135</b>
<b>References.....</b>	<b>185</b>