

# Contents

<b>List of Figures.....</b>	iv
<b>List of Tables .....</b>	vii
<b>Preface .....</b>	ix
<b>1 Natural environment and research history.....</b>	1
1.1 Geographic location and terrain.....	1
1.2 Geology, climate and resources .....	3
1.3 Palagruža and Adriatic navigation .....	5
1.4 Geomorphological changes .....	8
1.5 Research history .....	10
<b>2 Sites .....</b>	15
<b>2.1. Salamandrijia .....</b>	15
2.1.1. Archaeological investigations 1992-2009 .....	15
2.1.1.1 Surface survey .....	16
2.1.1.2 Test trenching.....	16
2.1.1.3 Area excavation .....	16
2.1.1.4. Spatial distribution of finds.....	18
2.1.2. Pottery.....	20
2.1.2.1 Pottery from sixth to fourth millennium BC .....	20
2.1.2.2 Pottery from third millennium BC .....	22
2.1.2.2.1 Vessel shapes and sizes .....	22
2.1.2.2.1.1 Open bowls with wide rim .....	22
2.1.2.2.1.2 Open bowls with simple rim.....	24
2.1.2.2.1.3 Tall-necked beakers with everted rim.....	25
2.1.2.2.1.4 Vessels with everted rim .....	26
2.1.2.2.1.5 Deep carinated bowls or beakers.....	26
2.1.2.2.1.6 Vessel with constricted cylindrical neck .....	26
2.1.2.2.1.7 Unclassified vessel parts .....	26
2.1.2.2.2 Vessel decoration .....	27
2.1.2.2.2.1 Basic decorative elements .....	27
2.1.2.2.2.2 Basic decorative motifs .....	28
2.1.2.2.2.3 Complex decorative designs.....	30
2.1.2.2.2.4 Location and frequency of decoration.....	30
2.1.2.2.3 Concluding remarks about the third millennium BC pottery.....	33
2.1.2.3 Pottery from second and first millennium BC.....	34
2.1.2.4 Whence the pottery on Palagruža? .....	37
2.1.3 Flaked stone artifacts.....	55
2.1.3.1 Origin of the raw material for flaked stone artifacts by Zlatko Perhoč.....	55
2.1.3.1.1 Methods .....	55
2.1.3.1.2 Material types of Palagruža lithics .....	57
2.1.3.1.2.1 Indeterminate and thermally altered cherts.....	57
2.1.3.1.2.2 Patinated cherts .....	58
2.1.3.1.3 Artifacts made of western Adriatic raw materials .....	59
2.1.3.1.3.1 Maiolica cherts .....	59
2.1.3.1.3.2 Maiolica conglomerate cherts.....	65
2.1.3.1.3.3 Scaglia red cherts .....	65
2.1.3.1.3.4 Silicified calcarenites.....	66
2.1.3.1.4 Artifacts made of raw material from Palagruža .....	67
2.1.3.1.5 Artifacts made of radiolarite .....	69
2.1.3.1.6 Discussion and conclusion .....	69
<i>Acknowledgements .....</i>	71
2.1.3.2 Major technological categories of artifacts .....	71

2.1.3.3 Cores and evidence of on-site core reduction .....	71
2.1.3.4 Blades .....	72
2.1.3.5 Bifacial points .....	75
2.1.3.5.1 Type 1: tanged point .....	75
2.1.3.5.2. Type 2: concave base point .....	76
2.1.3.5.3 Type 3: notched point with wide barbs .....	78
2.1.3.5.4 Type 4: notched point with long barbs .....	79
2.1.3.5.5 Type 5: tanged and barbed point .....	79
2.1.3.5.6 Indicators of point production and use .....	80
2.1.3.6 Transversal point .....	81
2.1.3.7 Microlithic crescents .....	81
2.1.3.8 Other tools made of chert .....	82
2.1.3.9 Obsidian artifacts .....	84
2.1.3.9.1 Origin of the raw material by Robert H. Tykot .....	84
2.1.3.9.1.1 Obsidian in Europe and the Mediterranean .....	84
2.1.3.9.1.2 Analytical methods .....	85
2.1.3.9.1.3. Results .....	86
2.1.3.9.2 Technology and typology of the artifacts .....	88
2.1.3.9.3 Temporal attribution of the finds .....	89
2.1.4 Ground stone artifacts .....	90
2.1.5 Artifacts made of mollusk shells .....	93
2.1.6 Diachronic change in intensity of activities .....	94
<b>2.2 Other sites .....</b>	<b>95</b>
2.2.1 Jankotova njiva .....	95
2.2.2 Pod lozje .....	99
2.2.3 Vartli .....	100
2.2.4 Stradun .....	100
2.2.5 Mala Palagruža .....	100
<b>3 Palagruža and Adriatic prehistory .....</b>	<b>103</b>
<b>3.1 Small islands and great journeys .....</b>	<b>103</b>
3.1.1 Why set off for a small, remote island? .....	103
3.1.2 Adriatic islands .....	104
3.1.3 Remote islands .....	105
3.1.3.1 Jabuka .....	106
3.1.3.2 Pianosa .....	106
3.1.3.3 Palagruža .....	107
3.1.3.4 Tremiti .....	108
3.1.3.5 Sušac .....	109
3.1.3.6 Svetac .....	110
3.1.4 Patterns of diachronic change .....	110
3.1.4.1 Transition to farming .....	111
3.1.4.2 The rise of elites .....	111
3.1.5 Remote islands and long distance interaction .....	112
<b>3.2 Palagruža and early farming .....</b>	<b>112</b>
3.2.1 Palagruža before the transition to farming .....	112
3.2.1.1 An object made of gabbro from Vela Cave .....	113
3.2.1.2 Perforated Columbella rustica .....	114
3.2.2 The spread of farming .....	114
3.2.2.1 The role of Palagruža in the spread of farming .....	114
3.2.2.2 Seafarers and their craft .....	116
3.2.3 Circulation of chert artifacts .....	117
<b>3.3 Pottery styles of the third millennium BC .....</b>	<b>119</b>
3.3.1 Incised, impressed and incrusted decoration .....	120
3.3.2 Ljubljana-Adriatic style .....	120
3.3.2.1 Geographic distribution and site types .....	121
3.3.2.2 Spatial and temporal variability .....	124
3.3.3 Cetina style .....	124

3.3.3.1 Geographic distribution and site types .....	125
3.3.3.2 Spatial and temporal variability .....	128
3.3.4 Other kinds of decoration .....	129
3.3.4.1 Coarse incision.....	129
3.3.4.2 Furchenstich incision .....	130
3.3.4.3 Excision .....	130
3.3.4.4 Cord impression .....	131
3.3.5 Dating of Ljubljana-Adriatic and Cetina styles .....	131
3.3.5.1 Association with metal finds .....	132
3.3.5.2 Stratigraphic relationships.....	133
3.3.5.3 Radiocarbon dates.....	135
3.3.5.4 Concluding remarks on dating of the pottery styles.....	140
<b>3.4 Palagruža in third millennium BC .....</b>	<b>141</b>
3.4.1 Transformation of prehistoric Europe.....	141
3.4.2 Seafarers and their craft.....	143
3.4.3 Settlement? .....	144
3.4.4 Fort?.....	145
3.4.5 Chipping station? .....	145
3.4.6 Cemetery? .....	146
3.4.7 Ritual focus? .....	147
3.4.8 Palagruža after year 2000 BC .....	148
<b>4 Appendix to Chapter 3.3: List of Sites .....</b>	<b>150</b>
4.1 Southern Italy .....	156
4.2 Northern Italy .....	156
4.3 Trieste Karst.....	156
4.4 Slovenian Karst .....	158
4.5 Central Slovenia .....	158
4.6 Istria .....	159
4.7 Croatian Littoral and the Kvarner Islands .....	159
4.8 Upper reaches of Cetina River .....	160
4.9 Dalmatinska Zagora .....	164
4.10 Northern Dalmatia .....	167
4.11 Middle Dalmatia .....	168
4.12 Southern Dalmatia .....	169
4.13 Western Herzegovina .....	170
4.14 Eastern Herzegovina .....	171
4.15 Central Bosnia .....	172
4.16 Eastern Bosnia.....	172
4.17 Western Serbia .....	172
4.18 Montenegro .....	173
4.19 Albania .....	174
4.20 Western Greece .....	174
4.21 Center of the Adriatic .....	175
<b>Bibliography .....</b>	<b>176</b>