

# Contents

*Babette Bechtold:*

## Observations on the amphora repertoire of Middle Punic Carthage

Introduction	1
1. Published amphorae repertoires from the late 6th to the late 4th century BC from Carthage (EP/MP and MP I-II periods)	4
1.1. The French Excavations on the Byrsa hill	4
1.2. The British Excavations at the Circular Harbour (North Side)	8
1.3. The British Excavations on the Ilot de l'Amirauté (Circular Harbour)	10
1.4. The American Excavations at the Circular Harbour (South Side)	12
1.5. The American Excavations at the Commercial Harbour	12
1.6. The American Excavations in Carthage, Dermech	14
1.7. The settlement excavations by the German Archaeological Institute in Rome	14
1.8. The Hamburg excavations on the crossroads of Decumanus Maximus and Cardo X	18
1.9. The Excavations of the University of Amsterdam on site 2 at Bir Messaouda	18
1.10. The Excavations of Ghent University/INP at site 2 of Bir Messaouda	20
2. The chrono-typological occurrence of published amphorae in the Middle Punic period	21
3. Amphorae from Bir Messaouda (site 2): a study of fabrics and typology in their stratigraphical context	23
3.1. The recording system applied to the sampled amphorae material	24
3.2. Results of the fabric study of the Bir Messaouda material	25

3.2.1.	The chrono-stratigraphical distribution of imported amphorae fabrics in the Middle Punic period: a hypothetical attribution to geographic regions	28
3.3.	Discussion	32
3.3.1.	The Punic amphorae	33
3.3.2.	The western Greek amphorae	34
3.3.2.1.	The Early/Middle Punic and the Middle Punic I period (530-430 BC)	34
3.3.2.2.	The Middle Punic period MP II (430-300 BC)	35
3.3.2.3.	Amphorae from the Greek mainland	36
3.3.2.4.	So-called 'eastern Greek amphorae', including amphorae from the wider Aegean	36
	Amphorae attributed to the eastern Aegean area	37
	Amphorae attributed to the northern Aegean area	38
	Amphorae attributed generally to the Aegean area	39
4.	The chrono-typological amphorae sequence in Middle Punic Carthage: the evidence of the Bir Messaouda material	40
4.1.	Early Punic/Middle Punic and Middle Punic I (530-430 BC)	40
4.2.	Middle Punic II (430-300 BC)	43
4.3.	Preliminary conclusions	47
5.	Transport amphorae from Middle Punic Carthage: a hypothetical reconstruction of the 5th-4th century BC repertoire	49
6.	Preliminary thoughts on the Carthaginian Middle Punic amphorae repertoire in relation to the data available for other central Mediterranean Punic sites	51
6.1.	Punic Sardinia	51
6.1.1.	Olbia	52
6.1.2.	Tharros	53
6.1.3.	Monte Sirai	54
6.1.4.	Sulky/Sulcis (S. Antioco)	54
6.1.5.	Nora	54
6.1.6.	Some thoughts on Middle Punic amphorae from Punic Sardinia in relation to the new data from Carthage	55
6.2.	Punic Sicily	56
6.2.1.	Lilybaeum	57
6.2.2.	Motya	58
6.2.2.1.	Zone C (area of the <i>kothon</i> )	58

6.2.2.2.	Zone D (western slope of the acropolis)	65
6.2.2.3.	Zone A (buildings A and B)	66
6.2.2.4.	Zone K (ceramic workshop)	68
6.2.2.5.	Conclusions	68
6.2.3.	Panormus (Palermo)	69
6.2.4.	Solunto	70
6.2.5.	Kossyra (Pantelleria)	73
7.	Conclusions	75
8.	Catalogue of amphorae from secondary contexts excavated from Bir Messaouda, site 2	79
8.1.	Punic amphorae of the second half of the 5th-3rd century BC	79
8.1.A.	Local/regional fabric, KTS clay (Cat. 1-14)	79
8.1.B.	Imported fabrics	83
8.1.B.1.	Fabrics attributed to the Iberian Peninsula (Cat. 15-17)	83
8.1.B.2.	Fabrics attributed to Punic Sardinia (Cat. 18-19)	85
8.1.B.3.	Unidentified, imported Punic fabrics (Cat. 20-22)	87
8.2.	Greek amphorae of the 5th-2nd century BC	87
8.2.A.	Southern Italian/Sicilian fabrics	87
8.2.A.1.	Fabrics attributed to the Ionian coast of Calabria (Cat. 23-26)	87
8.2.A.2.	Fabrics attributed to the northern Lucanian area (Cat. 27)	91
8.2.A.3.	Unattributed southern Italian fabrics (Cat. 28-32)	92
8.2.A.4.	Ionian-Adriatic/Corkyrian fabrics (Cat. 33-41)	95
8.2.A.5.	Sicilian (or southern Italian?) fabrics (Cat. 42-51)	101
8.2.A.6.	Campanian fabrics (Cat. 52-57)	107
8.2.B.	Fabrics from the Greek mainland	110
8.2.B.1.	Corinthian A' fabrics (Cat. 58-59)	110
8.2.C.	Eastern and northern Aegean fabrics	112
8.2.C.1.	Eastern Aegean fabrics (Cat. 60-61)	112
8.2.C.2.	Northern Aegean fabrics (Cat. 62-68)	114
8.2.C.3.	Unidentified eastern Greek fabrics (Cat. 69-71)	119
	Appendix: two black coated northern Aegean amphora toes from Carthage (Cat. 72-73)	121
	References	128