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APPENDIX I

List of Egyptian objects from Montet's 'dépôts de fondation' at Byblos

<i>Vessel</i>	<i>Montet 1928 Ref.</i>	<i>Date</i>	<i>Comments/Parallels</i>	<i>Fig.</i> ⁱ
Fragt of Chephren diorite bowl, name of Menkaure	68-9, no. 45, fig. 21, pl. 39.45	4th Dynasty		34a
Travertine jar with the name of Unas	69-70, no. 46, fig. 21, pl. 39.46	5th Dynasty		---
Fragt of limestone? jar, name of Pepy I	70, no. 47, pl. 39.47	6th Dynasty		---
Fragt trav. cylindrical jar, name of Pepy I	71, no. 48	6th Dynasty	Inscription only published by Montet.	---
Fragt travertine platter, name of Pepy I	71, no. 49, pl. 45.49	6th Dynasty		---
Fragt travertine disk, name of Pepy I	71-2, no. 50, fig. 22	6th Dynasty	Not found in the foundation deposit but acquired from the local area.	---
Fragt travertine jar, name of Pepy I or II	72, no. 51, pl. 45.51	6th Dynasty		---
Fragt travertine disk, inscribed with royal title	72, no. 52, pl. 45.52	OK	See [158]	---
Fragt of travertine disk, insc. with royal title	72, no. 53, pl. 45.53	OK	See [158]	---
Fragt inscribed disk, no name	72, no. 54, pl. 45.54	OK	See [158]	---
Uninscribed platter made of a black breccia	72, no. 55	OK	Illustration not published by Montet.	---
Monkey-shaped jar, name of Pepy II	72-3, no. 56, pl. 40.56	6th Dynasty	Aston dates all known examples to the 6th Dynasty (1994: 139, no. 136).	---
Monkey-shaped trav. jar, name of Pepy I or II	73, no. 57, pl. 40.57	6th Dynasty		---
Monkey-shaped diorite? jar	73-4, no. 58, fig. 23,	6th Dynasty	Not found in the foundation deposit but acquired	---

<i>Vessel</i>	<i>Montet 1928 Ref.</i>	<i>Date</i>	<i>Comments/Parallels</i>	<i>Fig.</i>
	pl. 40.58		from the local area.	
Monkey-shaped travertine jar	74, no. 59, pl. 41.59	6th Dynasty		--
Monkey-shaped travertine jar	74, no. 60, pl. 45.60	6th Dynasty		--
Monkey-shaped travertine jar	74, no. 61, pl. 45.61	6th Dynasty		--
Ceramic monkey-shaped jar, name of Pepy II	74, no. 62, pl. 41.62	6th Dynasty	Not found in the foundation deposit but acquired from the local area.	--
Fragt travertine jar, inscribed, no name	74, no. 63, pl. 46.63	5th-6th Dynasty?	Shape not shown by Montet.	--
Fragt trav. vessel, name Queen Meritytis	75, no. 64, fig. 23	4th Dynasty	Inscription only published by Montet.	--
Fragt cylindrical jar, traces of hieroglyphic signs, no name	75, no. 65, fig. 24.65	OK	Drawing too poor to be certain about the shape and date.	--
Fragt trav. cylindrical jar, one hiero sign	75, no. 66	OK?	Illustration not published by Montet.	--
Cylindrical travertine jar	75-6, no. 67, fig. 24.67	1st-4th Dynasty	Poor illustration, see Aston 1994: 99.	--
Cylindrical travertine jar	75-6, no. 68, fig. 24.68	ED-early OK	Poor illustration, see Aston 1994: 99.	--
Cylindrical travertine jar	75-6, no. 69, fig. 24.69	ED-early OK	Poor illustration, see Aston 1994: 99.	--
Cylindrical travertine jar	75-6, no. 70, fig. 24.70	ED-early OK	Poor illustration, see Aston 1994: 99.	--
Cylindrical travertine jar	75-6, no. 71	ED-early OK?	Illustration not published by Montet.	--
Cylindrical travertine jar	75-6, no. 72	ED-early OK?	Illustration not published by Montet.	--
Cylindrical travertine jar, concave profile	76, no. 73	OK?	Illustration not published by Montet.	--
Tall cylindrical trav. jar, concave profile	76, no. 74, pl. 42.74	1st Dyn.-FIP	Aston 1994: 104, no. 34.	34b
Tall cylindrical travertine jar, flaring base	76, no. 75, pl. 42.75	1st Dyn.-FIP	Aston 1994: 104, no. 34.	--
Body of a travertine <i>hes</i> -jar	76, no. 76, pl. 42.76, 45.76	Late OK-FIP	Segmented upper body gone; Sowada 1999; Brunton 1927: pl. 42, lower left.	34c

<i>Vessel</i>	<i>Montet 1928 Ref.</i>	<i>Date</i>	<i>Comments/Parallels</i>	<i>Fig.</i>
Cylindrical travertine jar, concave profile	76, no. 77	OK?	Illustration not published by Montet.	--
Squat shouldered (diorite?) jar, thick walls	76, no. 78, pl. 42.78	1st-5th Dynasty	Aston 1994: 131, no. 108.	34d
Squat shouldered jar, thick walls, as above	76, no. 79	2nd-3rd Dynasty	Illustration not published by Montet.	--
Squat shouldered jar, thick walls	76, no. 80, pl. 44.80	3rd Dynasty	Reisner 1391a: 164-6, fig. 38.5.	34f
Small tapering travertine footed jar	76, no. 81, pl. 44.81	5th-6th Dynasty	Aston 1994: 105, no. 34.	--
Squat cylindrical travertine footed jar	76, no. 82, pl. 44.82	1st-6th Dynasty	Aston 1994: 104, no. 34.	--
Squat cylindrical limestone? footed jar	76, no. 83, pl. 42.83	5th Dynasty-FIP	Aston 1994: 104, no. 35.	--
Small tapering hornblende diorite? footed jar	76, no. 84, pl. 44.84	5th Dynasty-FIP	Aston 1994: 104, no. 35.	34c
Squat cylindrical travertine footed jar	76, no. 85, pl. 45.85	5th Dynasty-FIP	Aston 1994: 104, no. 35.	--
Squat cylindrical Chephren diorite footed jar	76, no. 86, pl. 42.86	5th Dynasty-FIP	Aston 1994: 104, no. 35.	--
Travertine lid of a jar	76, no. 87, pl. 45.87	MK	Manniche 1999: 109 (12th Dynasty).	--
Ovoid necked travertine jar, flat base	76, no. 88, pl. 44.88	OK	Aston 1994: 138, no. 134.	35a
Smaller ovoid travertine jar, flat base	76, no. 89, pl. 43.89	FIP	Aston 1994: 140, no. 139.	35d
Narrow ovoid travertine jar, missing neck	76, no. 90, pl. 44.90	5th-6th Dynasty	Jéquier 1929: 83, fig. 95, top, 2nd right	--
Ovoid travertine jar	76, no. 91, pl. 43.91	OK?	Illustration not published by Montet.	--
Travertine long pointed collared beaker	76, no. 92, fig. 25	5th Dynasty-FIP	Aston 1994: 135-6, no. 123.	--
Travertine slender collared beaker	77, no. 93	5th Dynasty-FIP	Illustration not published by Montet.	--
Flat-based travertine beaker	77, no. 94, pl. 44.94	ED?	Aston 1994: 110-11, no. 48. The size of this vessel is not noted by Montet.	35b
Collared bowl	77, no. 95, pl. 43.95	ED-early OK	Aston 1994: 130, no. 106. The main <i>floruit</i> of this type is 1st-4th Dynasties.	34g
Travertine slender collared beaker	77, no. 96, pl. 43.96	5th Dynasty-FIP	Aston 1994: 135-6, no. 123.	--

<i>Vessel</i>	<i>Montet 1928 Ref.</i>	<i>Date</i>	<i>Comments/Parallels</i>	<i>Fig.</i> ⁱ
Travertine slender collared beaker	77, no. 97, pl. 43.97	5th Dynasty-FIP	Aston 1994: 135-6, no. 123.	—
Travertine short collared beaker	77, no. 98, pl. 43.98	5th Dynasty-FIP	Aston 1994: 135-6, no. 124.	35j
Travertine short collared beaker	77, no. 99, pl. 43.99	5th Dynasty-FIP	Aston 1994: 135-6, no. 124.	—
Travertine short collared beaker	77, no. 100, pl. 43.100	5th Dynasty-FIP	Aston 1994: 135-6, no. 124.	—
Travertine short collared beaker	77, no. 101, pl. 43.101	5th Dynasty-FIP	Aston 1994: 135-6, no. 124.	35e
Travertine short collared beaker	77, no. 102, pl. 43.102	5th Dynasty-FIP	Aston 1994: 135-6, no. 124.	—
Travertine short collared beaker	77, no. 103, pl. 45.103	5th Dynasty-FIP	Aston 1994: 135-6, no. 124.	—
Travertine slender collared beaker	77, no. 104, pl. 45.104	5th Dynasty-FIP	Aston 1994: 135-6, no. 123.	—
Ovoid Chephren diorite(?) collared jar	77, no. 105, pl. 43.105	4th-6th Dynasty	See Montet no. 109 (minus stand).	35g
Travertine wide-necked globular jar	77, no. 106, pl. 43.106	5th Dynasty-FIP	See below.	35f
Travertine wide-necked globular jar	77, no. 107, pl. 43.107	5th Dynasty-FIP	Similar to Aston 1994: 137-8, no. 131; 141, no. 141.	—
Travertine necked globular jar	77, no. 108, pl. 44.108	Late OK-FIP	Possibly a collared beaker.	—
Travertine? collared jar on integral stand	77, no. 109, pl. 43.109	4th-6th Dynasty	Aston 1994: 136, no. 126.	35c
Fragt of a stone jar with integral stand	77, no. 110, fig. 26.110	4th-6th Dynasty	Body shape uncertain; Aston 1994: 136-5, no. 122, 126.	—
Fragt of a stone jar with integral stand	77, no. 111, fig. 26.111	4th-6th Dynasty	Body shape uncertain, see above.	—
Fragt of a stone jar with integral stand	77, no. 112, fig. 26.112	4th-6th Dynasty	Body shape uncertain, see above.	—
Chephren diorite plate	77, no. 113	OK?	Illustration not published by Montet.	—
Fragt of a Chephren diorite? bowl	77, no. 114, fig. 26.114	4th-6th Dynasty	Precise shape uncertain but see [177-8].	—
Small stone jar missing a handle	77, no. 115, fig. 26.115	OK-FIP?	Montet's description/drawing too sketchy for study.	—

<i>Vessel</i>	<i>Montet 1928 Ref.</i>	<i>Date</i>	<i>Comments/Parallels</i>	<i>Fig.</i> ⁱ
Rim fragt of a travertine vessel	77, no. 116, pl. 44.116	OK?	Montet's photo of fragt very unclear; shape uncertain. Possibly not Egyptian.	—
Shoulder fragt of jar with incised circles	78, no. 117, pl. 45.117	OK?	Possibly not Egyptian.	—
Three frags of travertine double handles	78, no. 118, pl. 45.118	MK	Poss. related to Aston 1994: 144, no. 152-3.	—
Travertine fragment 'in the form of a croissant' (sic)	78, no. 119, pl. 45.119	OK? Possibly not Egyptian	The function of this object is unknown.	—
Two travertine fragments of an object	78, no. 120, fig. 27.120, pl. 45.120	OK? Possibly not Egyptian	The function of these fragments is unknown. ⁱⁱ	—
Rock crystal jar from an 'Opening of the Mouth' set	78, no. 121, fig. 28.121	5th-6th Dynasty	Not found in the foundation deposit but acquired from the local area.	—
Fragment of a stone 'moustache' bowl	78, no. 122, pl. 45.122	Late 5th-6th Dynasty	See parallels cited for [182].	—
Flint knife	102, no. 313, pl. 57.313	OK	Caton-Thompson and Brunton 1934: pl. 5.1	35j
Rhomboidal 'alabaster' (travertine?) palette	106, no. 358, pl. 57.358	Predynastic-early OK?	Possibly Egyptian. See Ch. 8.3	35h

APPENDIX II

A PIXE-PIGME STUDY OF COMBED WARE JARS FROM EGYPT

P. Grave¹ and K.N. Sowada

AII.1. Method and Sample Description

PIXE-PIGME is a form of elemental analysis that uses a proton beam to irradiate powdered ceramic samples to isolate key trace elements (Grave et al. 1996). Owing to the availability of local testing facilities and expertise, this form of analysis was adopted to test selected samples from imported Giza Combed Ware jars held in the Boston Museum of Fine Arts and a reference sample of sherds from the Levant.

Samples were obtained by taking a small 'clipping' from a larger sherd using a pair of ordinary pliers, or cut from a bigger piece using a small saw. These were then powdered by the in the N.G. McIntosh Centre for Quaternary Dating (University of Sydney), taking care to ensure that the slipped surface (where present) was not included in the powdered form for analysis. In the case of the Boston MFA samples, these were taken by the Museum's Conservation Department by drilling a hole either through the base or a clean section of the sherd. One again care was taken to ensure the drill obtained the sample from a clean surface and where necessary a small scraping of the surface was made. Sufficient powdered material of the Boston MFA jars remains to conduct further sampling in the future.

The samples were tested in December 1999 at the ANSTO Lucas Heights Nuclear Reactor (Sydney).² The results were then tabulated on the basis of the Principal Components Analysis (PCA) on 33 samples and 19 elements, using the MV-Arch software.³ No correction was done and analytic precision and accuracy for this session was normal.

AII.2. The dataset

The 33 samples were numbered as follows; other broad visual observations about the ware character and fabric (where it was possible to ascertain) are also noted:⁴

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² Grants to conduct this research were provided by the Australian Institute of Nuclear Science and Engineering (Sydney) and the Near Eastern Archaeology Foundation (University of Sydney) for which I am grateful.

³ The software was developed by Emeritus Professor Richard Wright, University of Sydney, Australia.

⁴ My thanks to Dr Rita Freed (Giza - Museum of Fine Arts Boston), Dr Alex Ioffe (Mezidlo

The Levant

- 2001 Byblos Ba'alat Gebal area, surface find: orange red ware, fine calcareous inclusions, no slip on exterior.
- 2002 Byblos AUB 1001a: very dark brown ware, with visible angular calcareous inclusions, no slip on exterior.
- 2003 Byblos AUB 1000: orange red ware, dark grey in section, horizontal combing on surface, no slip.
- 2004 Byblos AUB 58.381: orange red ware with fine calcareous inclusions; white/cream slip on exterior. Very similar to Combed Metallic Ware Variant 1.
- 2005 Byblos AUB 58.376: orange ware with no slip visible; rounded calcareous inclusions in surface.
- 2006 Byblos AUB 58.380: orange red ware with no slip; rounded calcareous inclusions in section.
- 2007 Beth Yerah 50-9870: orange ware with a fine lime slip; fine calcareous and other inclusions.
- 2008 Beth Yerah 195.75/195.90: orange ware with traces of a lime slip.
- 2009 Tel Kinrot Kin 83 A-19/5: orange ware with traces of a light lime slip.
- 2010 Tel Kinrot Kin 83: orange ware, grey core streak, no slip; horizontal and diagonal combing.
- 2011 Tel Kinrot Kin 83: orange ware, possibly a lime slip on exterior; fine horizontal combing visible.
- 2012 Megiddo 17.5 or 3/4: orange buff ware with traces of a lime slip on exterior.
- 2013 Megiddo 64.003: orange ware with red core and many inclusions; uncoated exterior; thick walled. Horizontal combing on exterior.
- 2014 Megiddo 17.5 or 3/4: buff ware, with large angular quartz and grey stone inclusions; uncoated with horizontal and diagonal combing.
- 2015 Megiddo 17.5 or 3/4: orange buff ware, no slip.
- 2016 Tel Erani Gath D: fine brown ware, with large angular quartz and grey inclusions. Uncoated, with horizontal and diagonal combing.
- 2017 Tel Erani Gath D, D.57: orange ware with a thick white lime slip; plenty of calcareous inclusions.
- 2018 Tel Yarmuth Area C, Loc. 261: orange-red ware with a grey core; uncoated.
- 2019 Tel Yarmuth Area C, Loc. 2198: brown ware with no slip; horizontal and diagonal combing.
- 2020 Tel Yarmuth TY-C 39.80: light brown ware with sporadic angular calcareous and grey inclusions. Uncoated surface.

- Harvard Semitic Museum), Dr Rafi Greenberg (Beth Yerah - University of Tel Aviv), Dr Leila Badre (Byblos - American University of Beirut), Mr Baruch Brandl (Tel Erani and Tel Kinrot - Israel Antiquities Authority) and Dr Pierre de Miroschedji (Tel Yarmuth - CNRS) for providing the ceramic samples used in this study.

- 2029 Beth Yerah Str. IV Basket 1194/30: orange ware with calcareous inclusions, scattered round sand. Uncoated with horizontal combing.
- 2030 Beth Yerah Str. IV Basket 706/40: orange buff ware, with no slip and horizontal combing on the exterior.
- 2031 Beth Yerah Str. IVc Basket 698/27: red-brown ware, with traces of a light lime slip.
- 2032 Beth Yerah Str. IV Basket 1228/17: light brown ware, exterior coated with a thick lime slip.
- 2033 Megiddo 64.003, below floor of EB III megaron: buff ware, thick walled. Exterior coated with white lime slip and with horizontal and vertical combing.

Egypt (for a description of the wares and fabrics, see Chs 3 and 6)

- 2021 [95] Matmar British Museum EA63698: Coarse Combed Ware (Type V).
- 2022 [5] Giza Reisner Reg. 13-11-64: Combed Metallic Ware (Type IV Variant 1).
- 2023 [15] Giza Reisner Reg. 13-10-29: Combed Metallic Ware (Type IV Variant 1).
- 2024 [9] Giza Reisner Reg. 13-11-108: Combed Metallic Ware (Type IV Variant 3).
- 2025 [18] Giza Boston MFA 20.1881: not examined.
- 2026 [6] Giza Reisner Reg. 13-11-65: Combed Metallic Ware (Type IV Variant 1).
- 2027 [7] Giza Reisner Reg. 13-11-106: Combed Metallic Ware (Type IV Variant 1).
- 2028 [8] Giza Reisner Reg. 13-11-107: Combed Metallic Ware (Type IV Variant 2).

AII.3. Results

The table below indicates that the first three components account for the most significant variation (almost 70%) for the dataset. This is consistent with a dataset that is highly structured (i.e. compositional groups are present). The plot of the first two components for the samples (Chart I) indicates that the dataset is composed of three general groups. These groups have been labelled A, B and C.

Table 11. *Eigenvalues from PCA of dataset giving raw % and cumulative % of variance accounted for by each eigenvalue*

Eigenvalues	I	II	III	IV
Raw	6.9	4.32	2.32	1.43
%	34.5	21.61	11.58	7.15
Cumulative %	34.5	56.11	67.69	74.84

The plot of the first two components for the elements (Chart II) helps us understand the character of these groups. It shows that Group A is silica rich (probably present as quartz sands); Group B has overall lower silica (i.e. it may be considerably less sandy) with more clay elements (e.g. Fe, Al) present. Higher concentrations of fluorine in Group A samples may also indicate a lower firing temperature for this group (fluorine can be volatile). Group C samples are very homogenous with relatively high concentrations of calcium and potassium. The homogeneity of this group suggests that the Ca/K is part of the original clay chemistry or present as very finely divided particles rather than reflecting discrete inclusions. If not a distinct group themselves the two samples (2017 and 2020) intermediate between C and A may belong to general Group A but are unlikely to belong to C given that latter groups' overall homogeneity.

The general groups can be further decomposed with the addition of the third component of the PCA that identifies A and B subsets. The first three components are identified in subsets Ai, Aii etc. on Chart I. Note the allocation of sample 2029.

AII.4. Conclusion

General groups A and B could represent two classes of ware (e.g. coarse and fine) derived from the same clay course (the difference attributable to dilution of the fabric with quartz sands). The higher concentration of fluorine in the Group A samples may be a possible further indicator of a technical difference between the two groups. One possible alternative to this scenario is suggested by the correlation of two minor and one trace element (Mg, Na and Rb) in Groups A. These indicate that the samples of this group have an additional exotic mineral component in addition to high silica and therefore may not have the same origin as Group B. The samples of Group C, characterised as a homogeneous and calc-potassium rich fabric, are most likely to come from a geologically different region.

The elemental composition of two of the three groups, Group B and C, correlates with the structure of clays from northern Canaan identified by

Greenberg and Porat (1996). The presence of more clay elements in Group B (Fe and Al) fits petrographic observations of clays from the Hatira Formation of the central Levant (Greenberg and Porat 1996:13-17). Sherds from Beth Yerah, Byblos, Megiddo, Tel Yarmuth and Tel Kinrot belonged to this cluster, signalling the potentially wide distribution of vessels (or rather the contents thereof) from production centres using these clays. Combed Ware vessels from Egypt belonging to this group were [15], and [18] both from Giza and [95] from Matmar. Group C, representing vessels from Megiddo and Beth Yerah, has a high potassium and calcium content, which may reflect the 'local calcareous, silty clays, with limestone and chalk temper' from southern Canaan and exported northwards (Porat 1989: 73; Greenberg and Porat 1996: 17). The third cluster (Group A) chemically represents a potentially different point of origin. Significantly, the cluster comprised five samples of imported vessels from Giza and four sherds from Byblos. The close association between these samples points to Byblos or the nearby environs as the point origin for the pots [5-9].

The clusters may be interpreted to show two origins for this group of Combed Ware vessels from Giza: a production centre at Byblos or nearby (Group A), and another in the Central Levant (Group B).

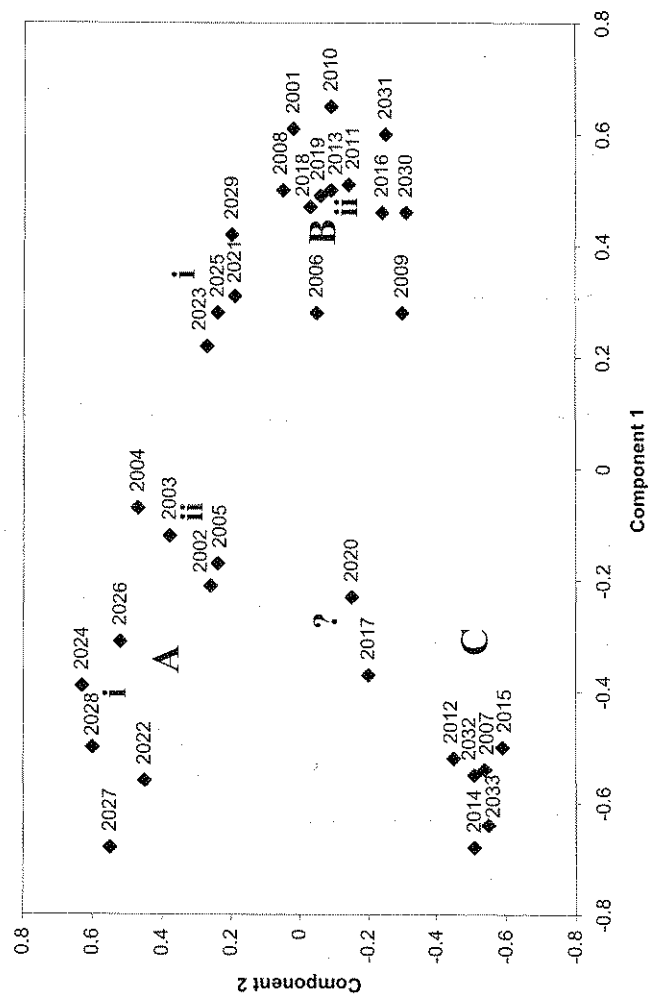


Chart I. Bivariate plot of the first two PCA components for the samples showing the highly structured character of the dataset.

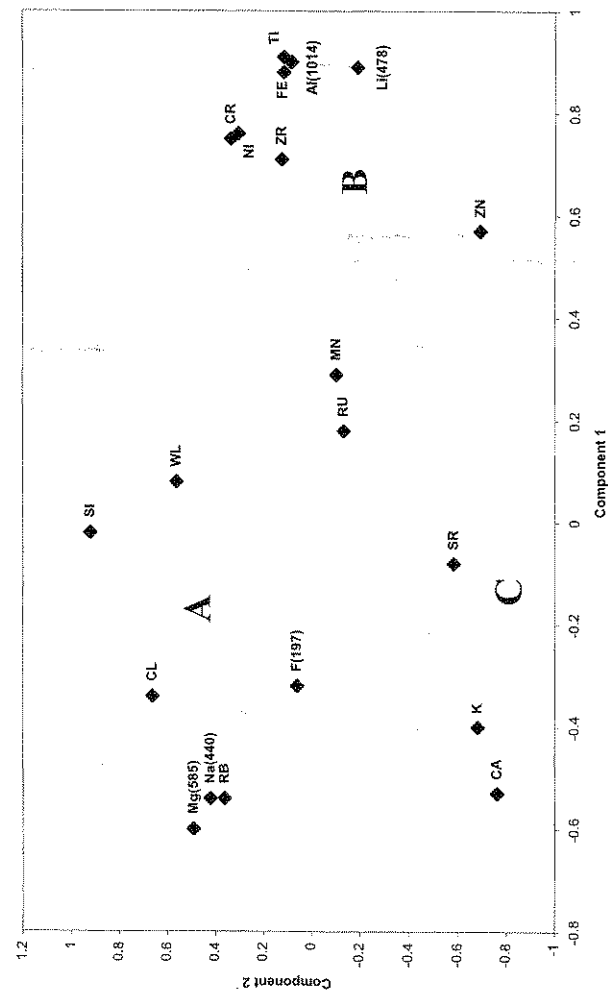


Chart II. Bivariate plot of the first two components for the elements. The relationship of the elements to each of the three general groups is depicted using A, B and C.

FIGURES AND PLATES

FIGURE 1

EB IB SITES IN CANAAN AND EGYPT

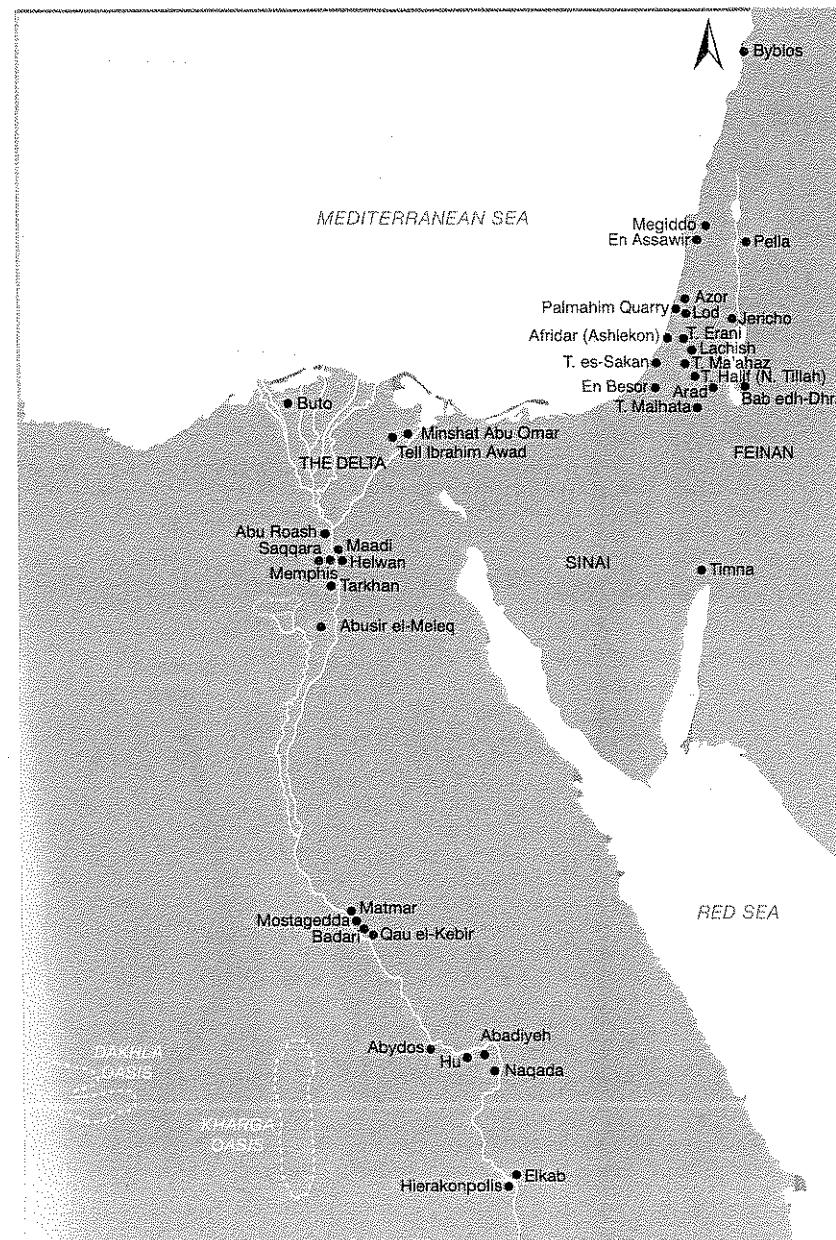


FIGURE 2

EB II SITES IN CANAAN AND THE SINAI

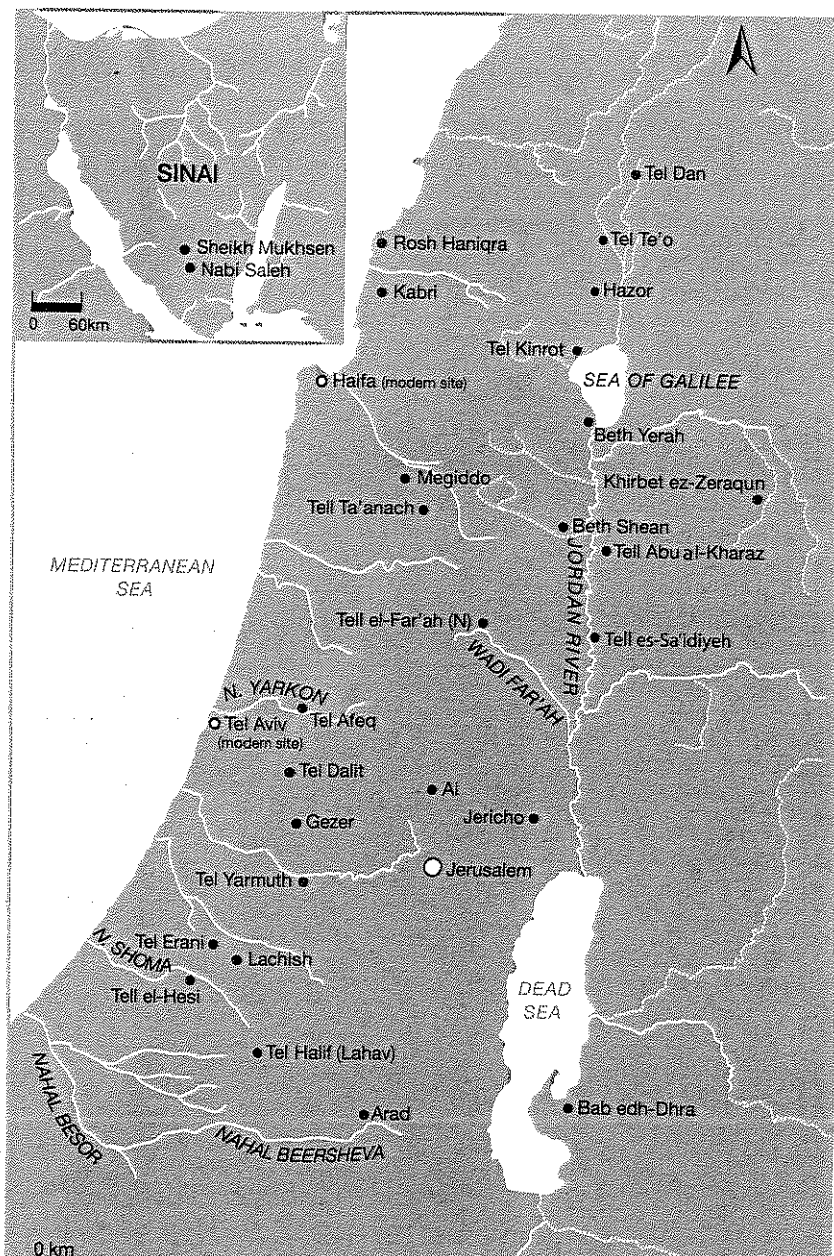
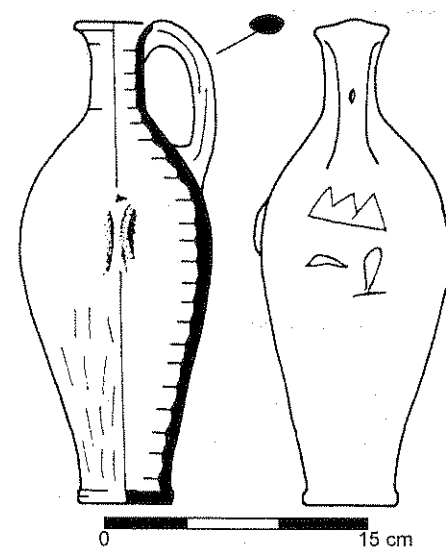
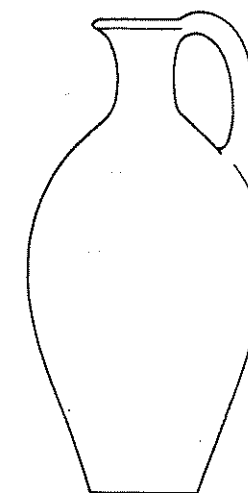


FIGURE 3

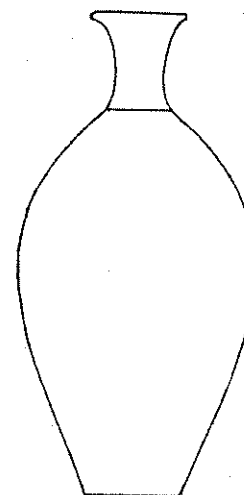
EB II CERAMICS



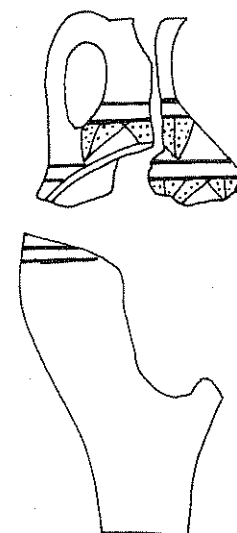
(a) Beth Yerah 741
(after Greenberg and Eisenberg 2002)



(b) Red Slipped Metallic Ware
Ashmolean Museum E3160
(after Porat and Adams 1996)



(c) Imported jar from Abuja



(d) Light Faced Painted Ware

FIGURE 4

EGYPTIAN STONE VESSELS IN EB II CANAAN

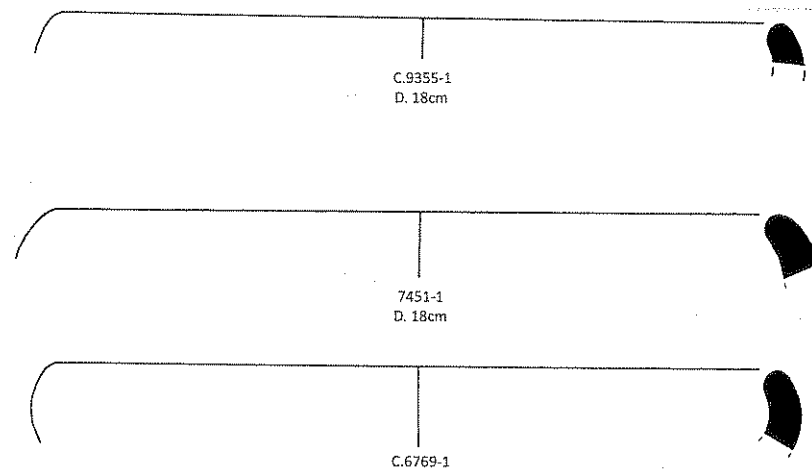
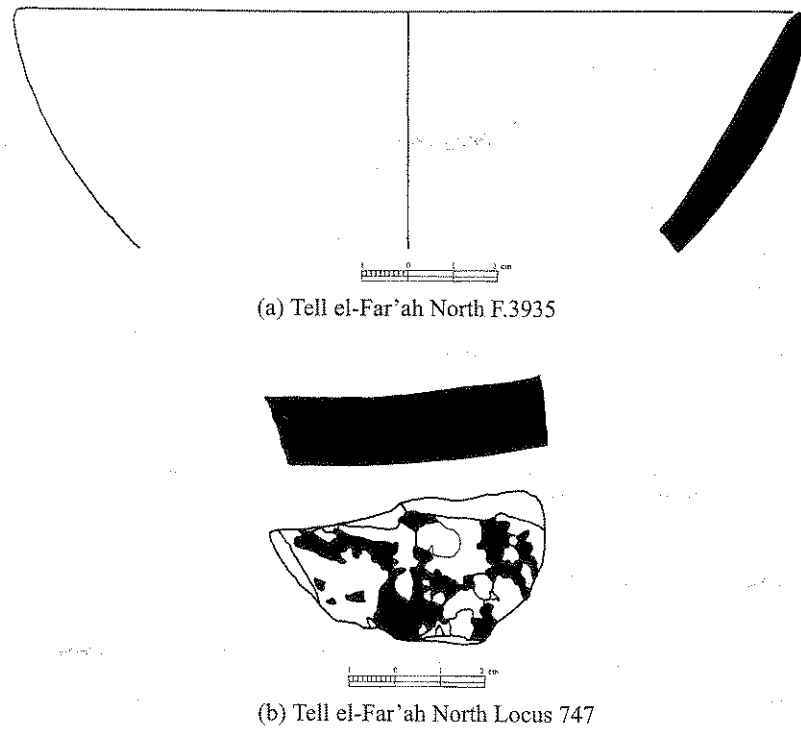


FIGURE 5

EGYPTIAN STONE VESSELS IN EB II CANAAN

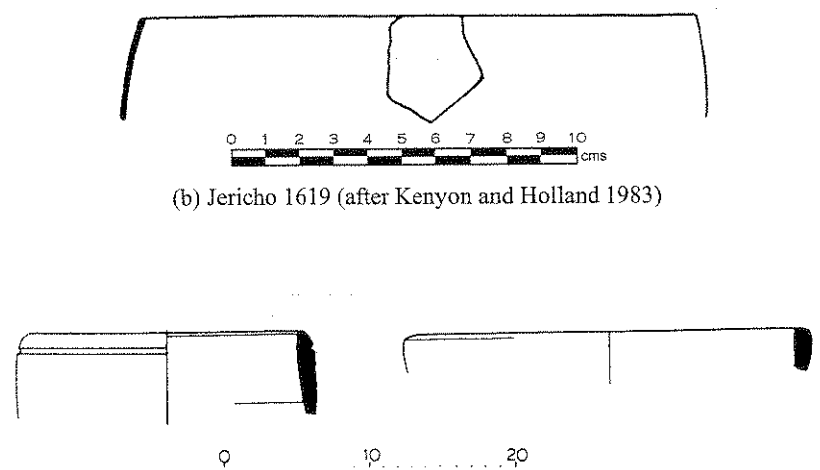
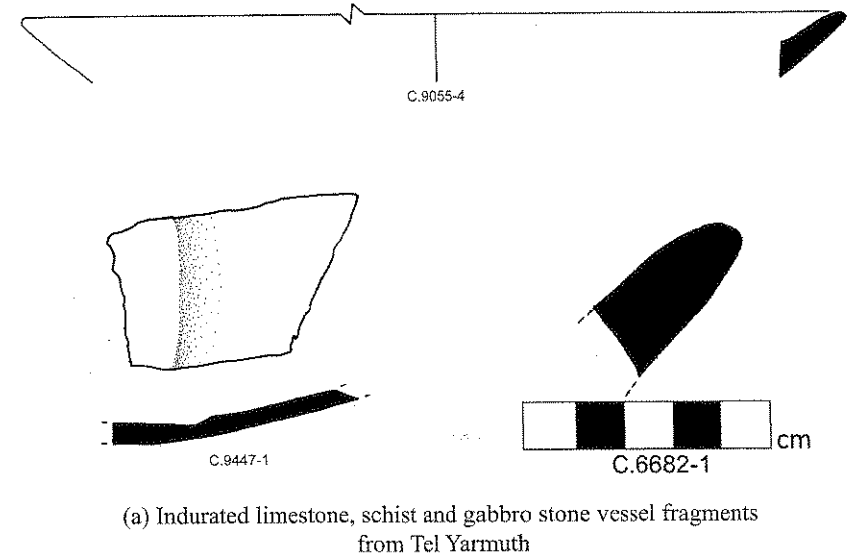


FIGURE 6

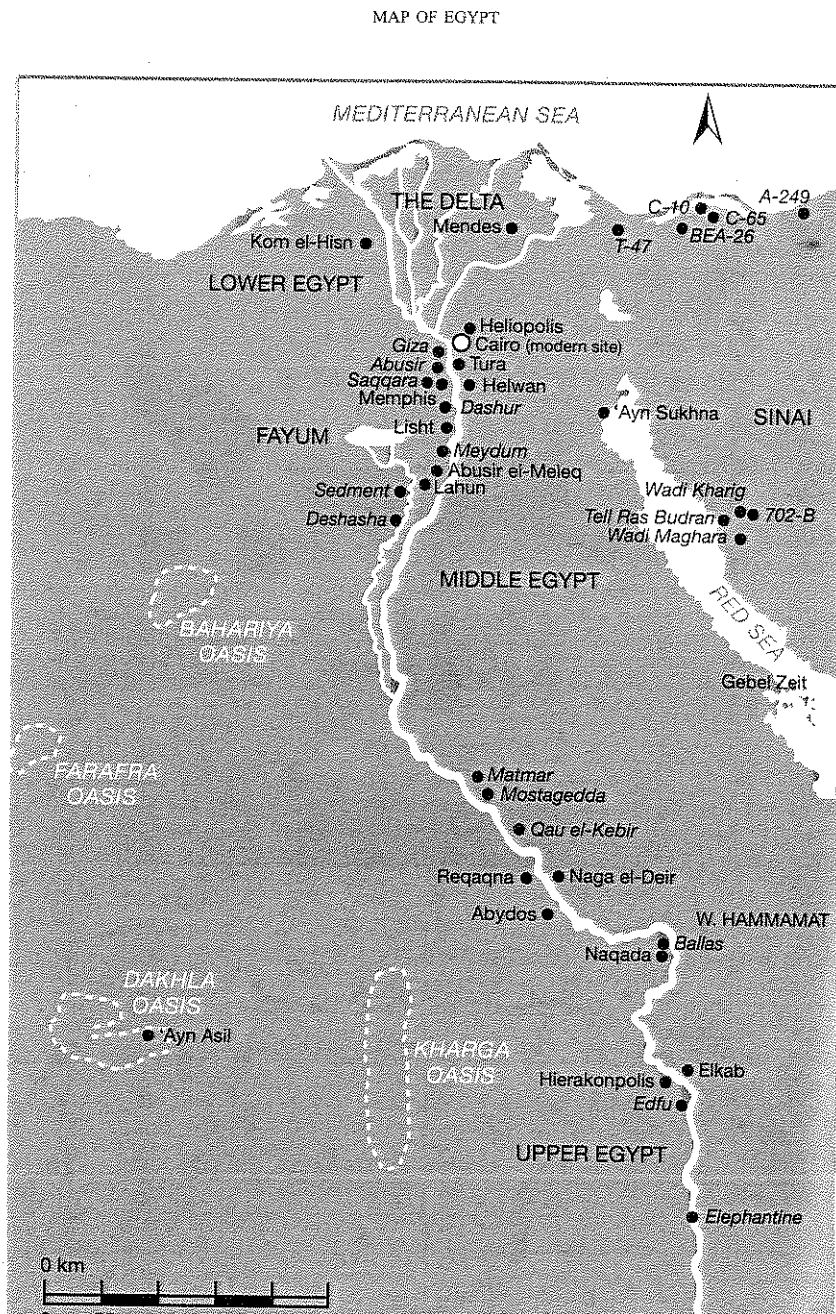
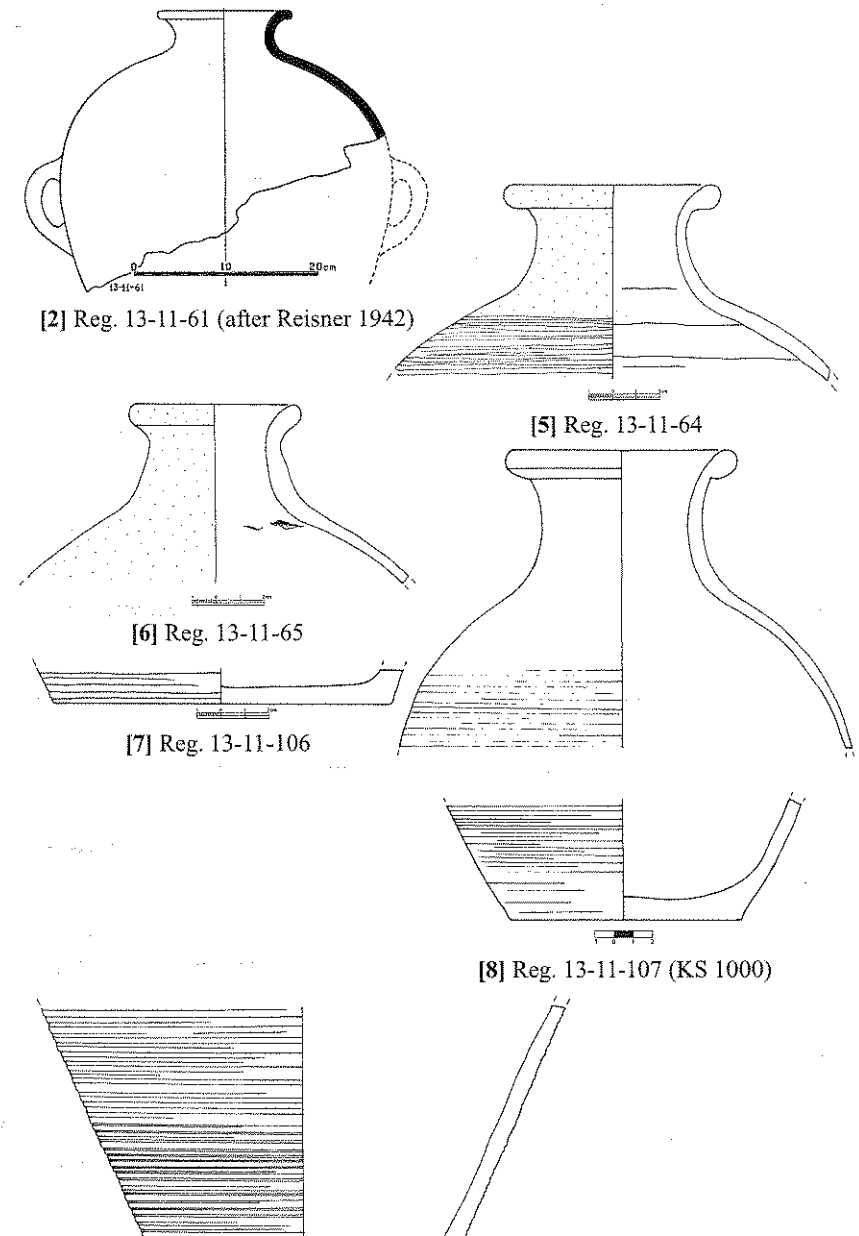
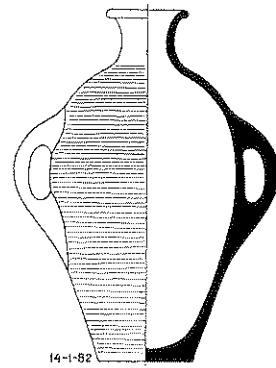
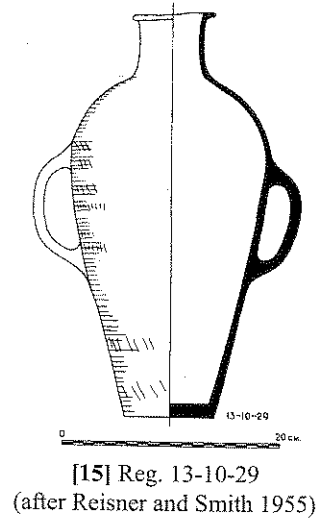
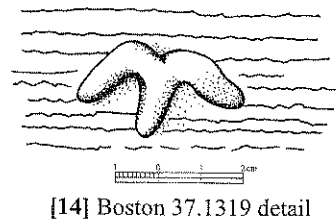
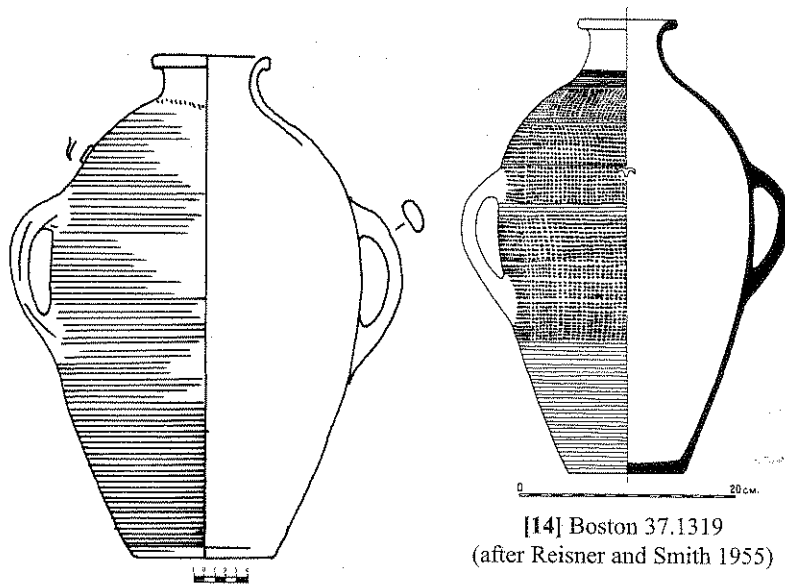


FIGURE 7

EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA

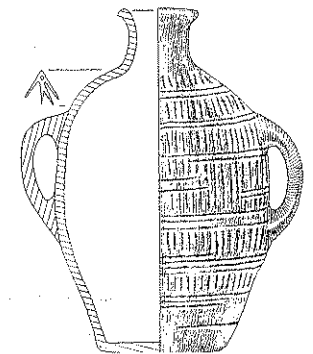
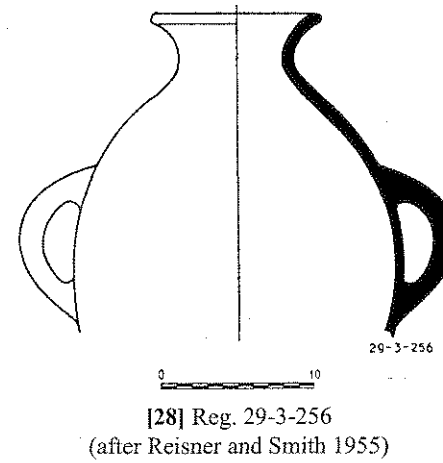
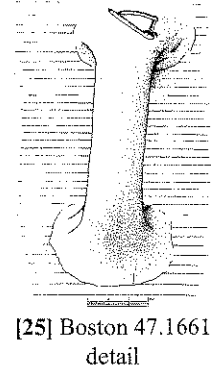
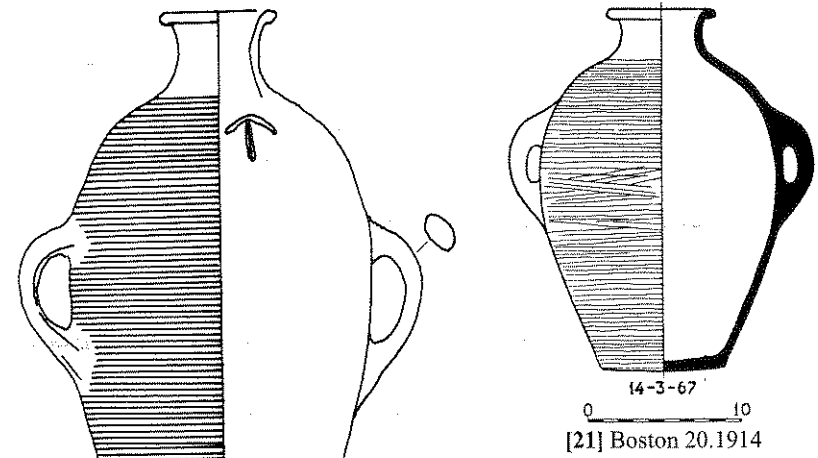
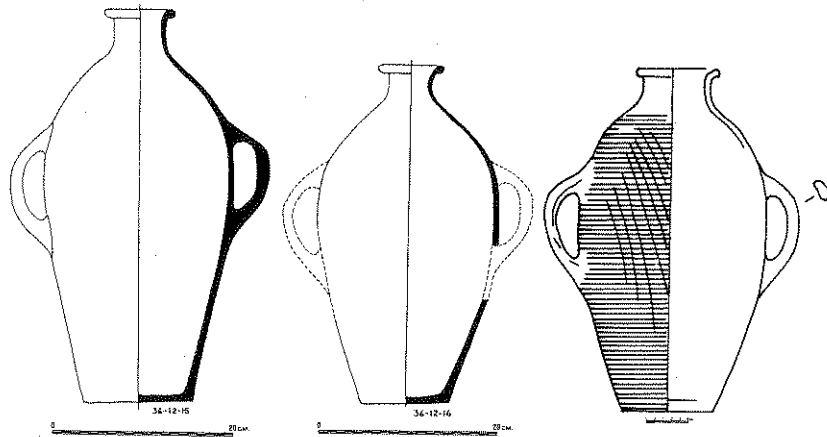


FIGURE 10

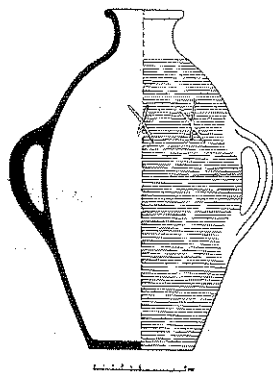
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



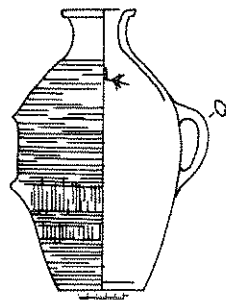
[29] Reg. 36-12-15 (after Reisner and Smith 1955)

[30] Reg. 36-12-16 (after Reisner and Smith 1955)

[33] Boston 20.1903



[37] Giza, no number (after Hassan 1936)



[39] Boston 47.1662

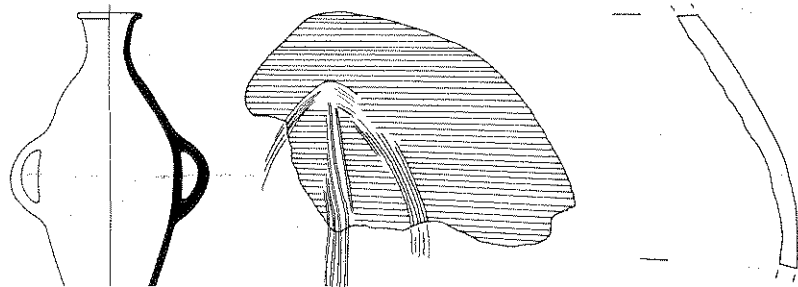
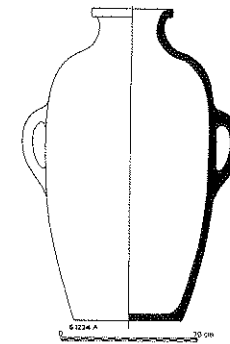
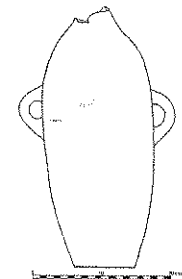


FIGURE 11

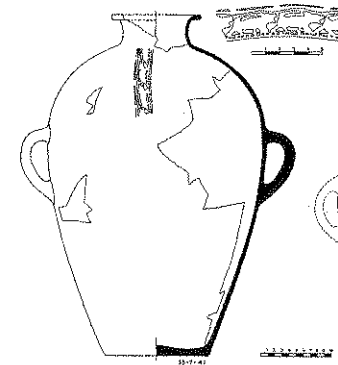
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



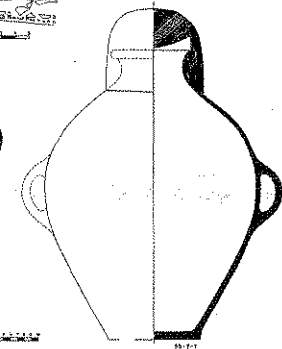
[40] Giza, no number
(after Reisner and Smith 1955)



[48] Itjef 1
(after Junker 1929)



[42] Boston 37.2724
(after Reisner and Smith 1955)



[47] Boston 37.2723
(after Reisner and Smith 1955)

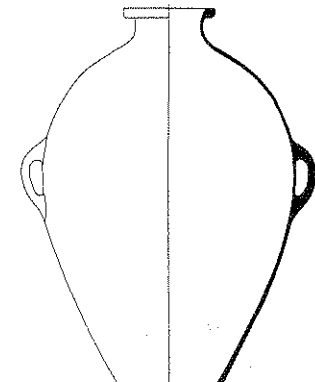
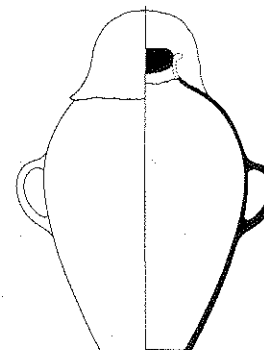
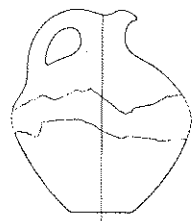
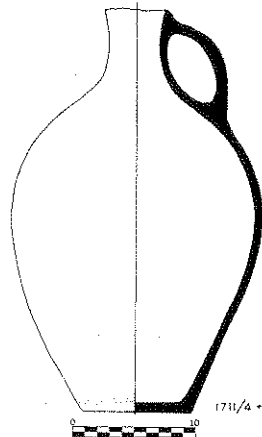


FIGURE 12

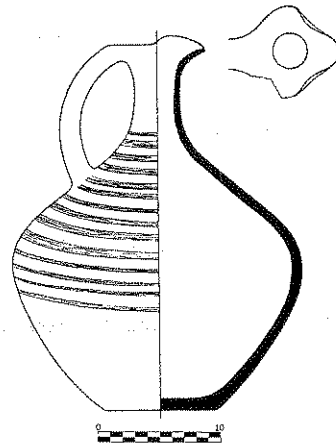
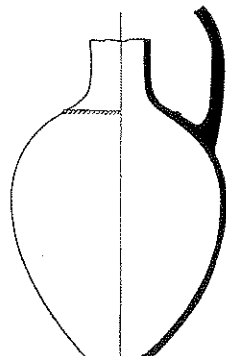
EGYPT: ONE-HANDLED JARS (TYPE 2) FROM GIZA
(AFTER REISNER AND SMITH 1955)



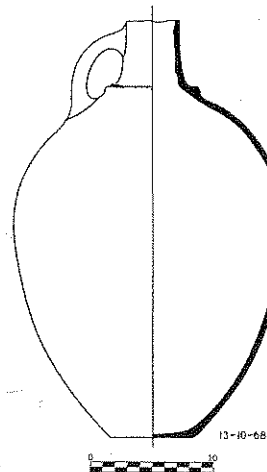
[54] Giza, no number



[56] Reg. 1711/4 and /12



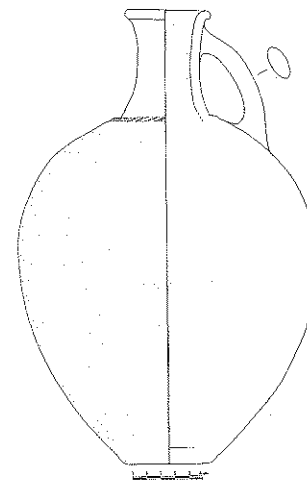
[55] Boston 20.1904



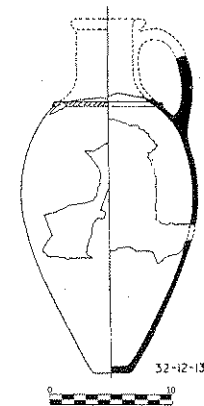
[58] Reg. 13-10-68

FIGURE 13

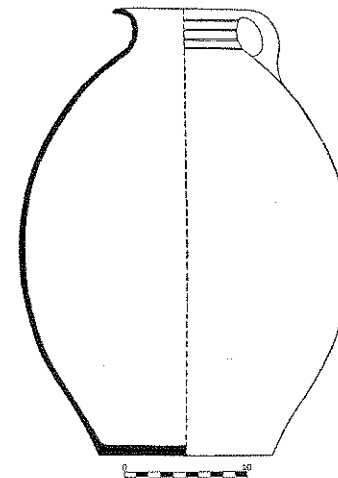
EGYPT: ONE-HANDLED JARS (TYPE 2) FROM GIZA AND OTHER SITES



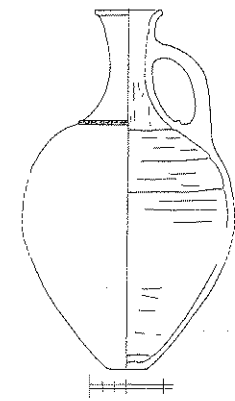
[59] Boston 20.1905



[60] Reg. 32-12-13
(after Reisner and Smith 1955)



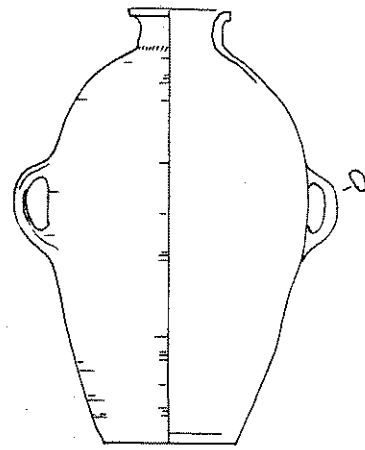
[61] Giza, no number



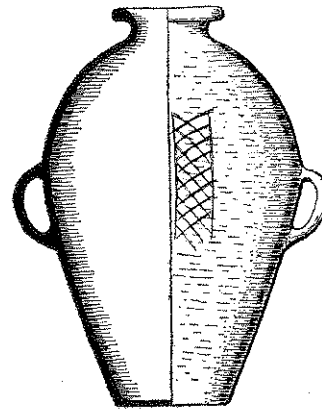
[62] Dashur S45

FIGURE 14

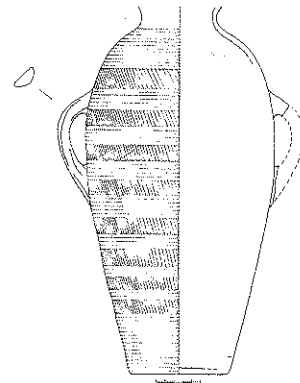
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA AND OTHER SITES



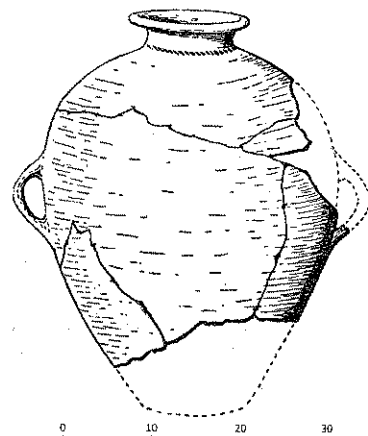
[51] Boston 13.2930



[83] Cairo, number not known
(after Jéquier 1929)



[95] BM EA 63698



0 10 20 30

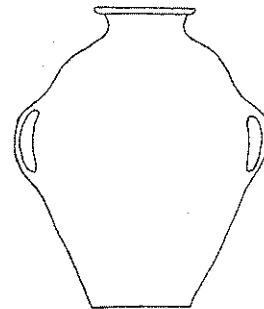
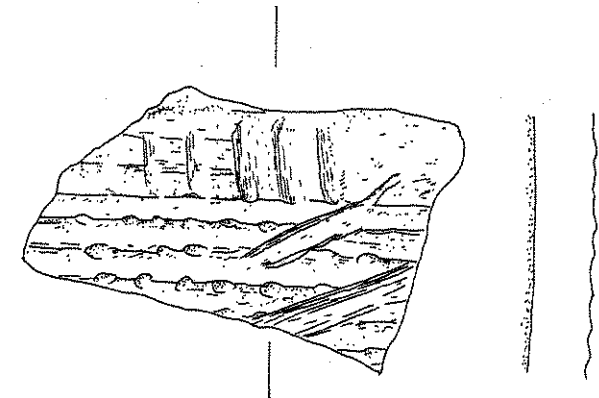
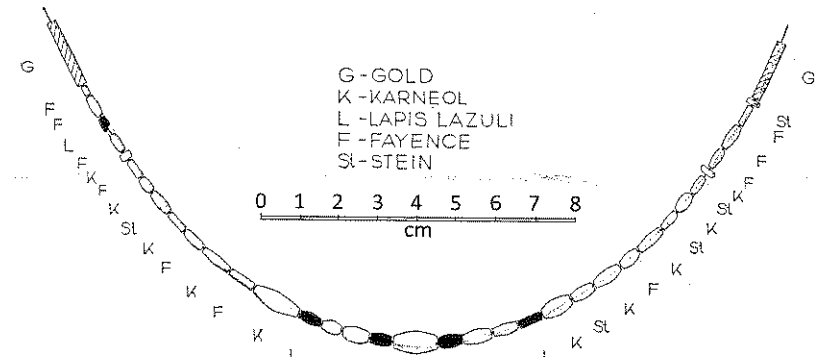


FIGURE 15

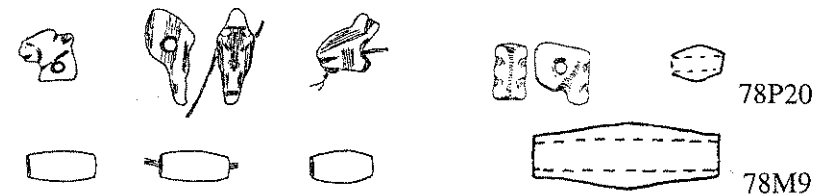
EGYPT: IMPORTED CERAMICS AND RAW MATERIALS



[102] Elephantine Z3319 Scale 1:1



[64] Giza (after Junker 1944)



[94] Deshasha (after Petrie 1896)
Scale 1:1

[96] Matmar (after Brunton 1948)
Amulet Scale 1:1, Beads 2:1



FIGURE 16

EB III-IV SITES IN CANAAN

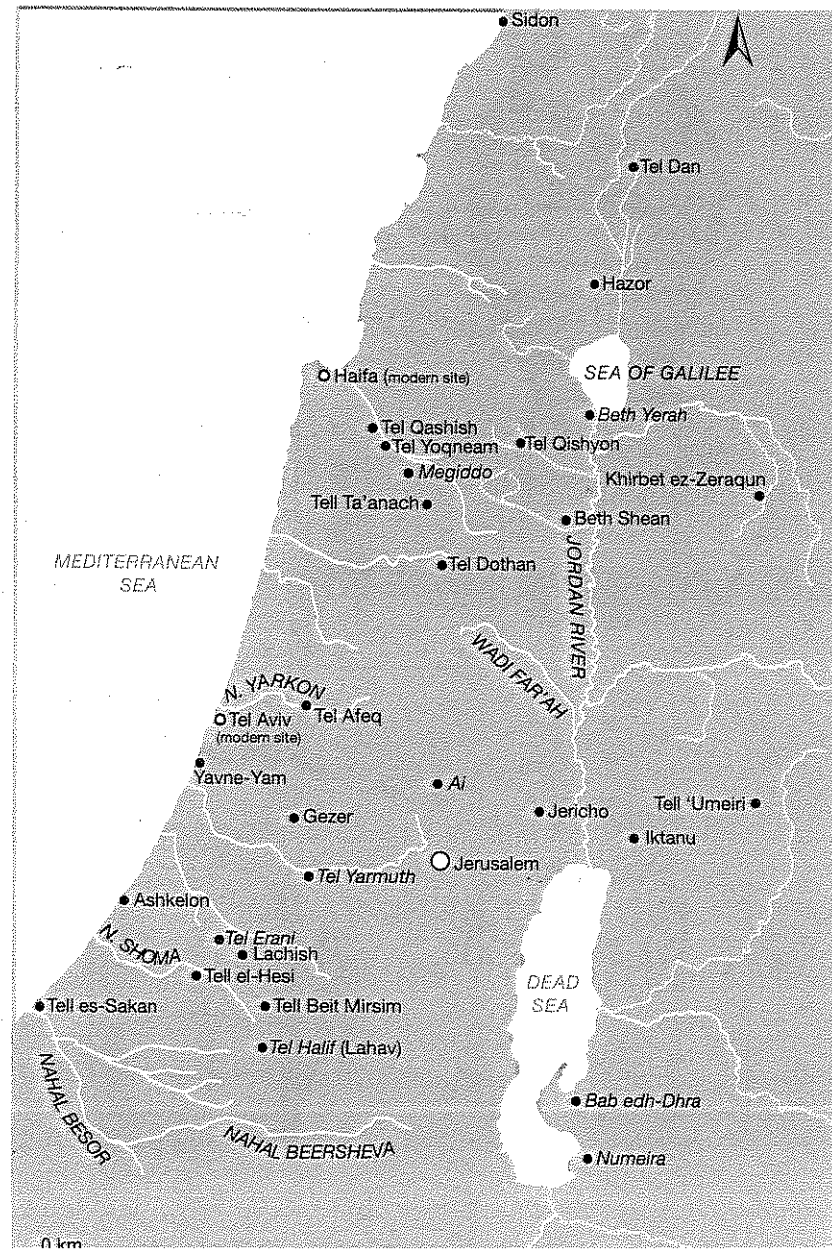
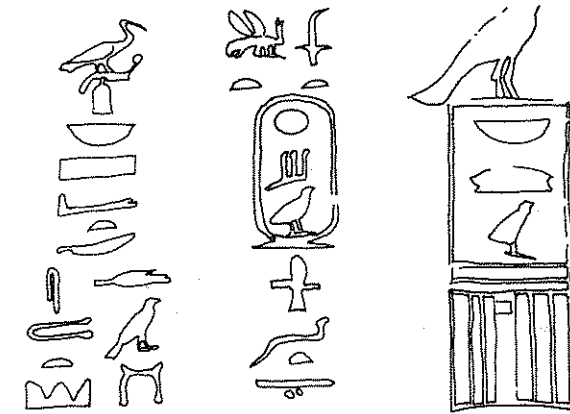
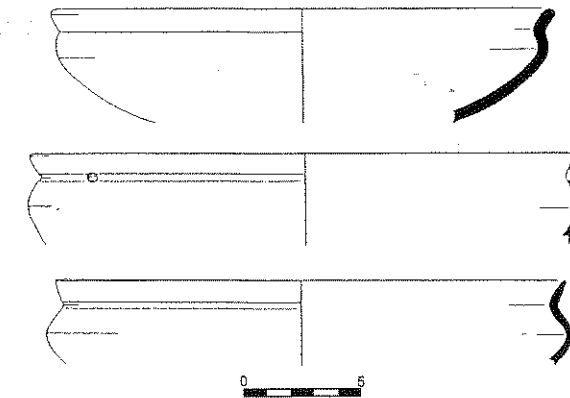


FIGURE 17

EVIDENCE FROM THE SINAI

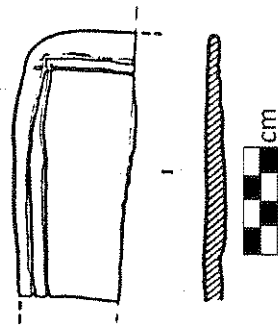


[107] Graffito of Sahure at Wadi Kharig
(after Givon 1978)

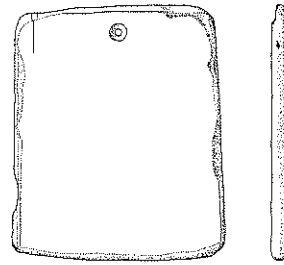
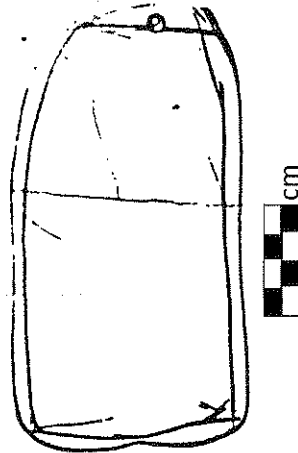


[108] Meydum bowls from northern Sinai
(after Oren and Yekutieli 1990)

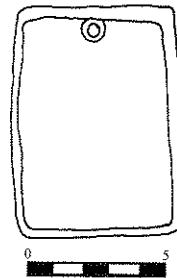
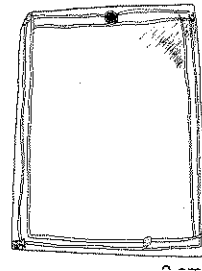
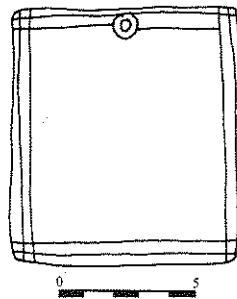
CANAAN: EGYPTIAN PALETTES



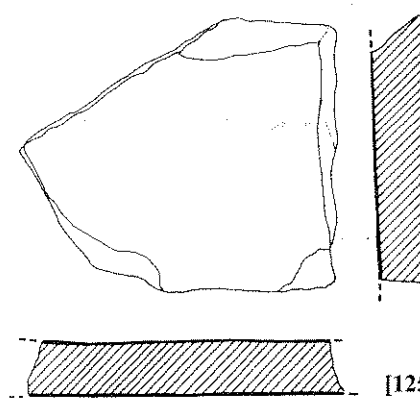
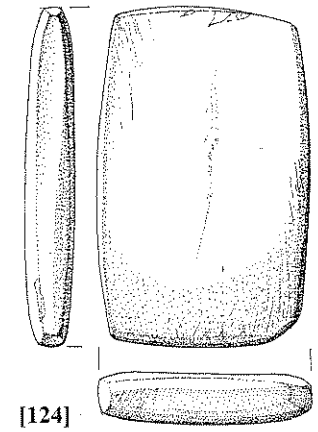
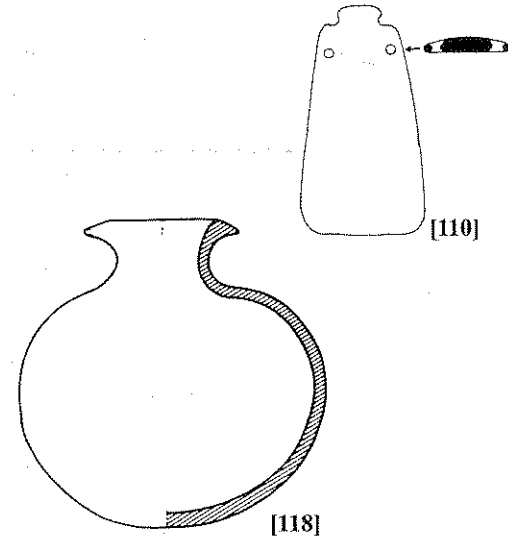
[112] Bab edh-Dhra 2924

[113] Bab edh-Dhra 3364
Scale 1:2

[114] Bab edh-Dhra 1900

[115] Bab edh-Dhra A51
(after Schaub and Rast 1989)

CANAAN: EGYPTIAN OBJECTS



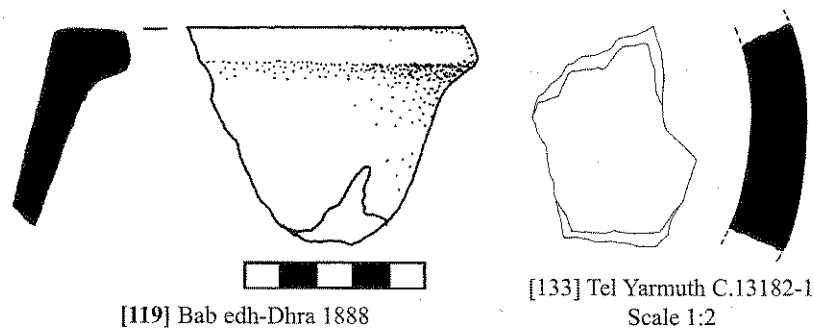
[110] Mother-of-Pearl pendant (after Schaub and Rast 1989) Scale 1:2

[117] Bab edh-Dhra 2823 (after Lapp 1989) Scale 1:1

[118] Bab edh-Dhra 2209 (after Rast and Schaub 1980) Scale 1:3

FIGURE 20

CANAAN: EGYPTIAN OBJECTS

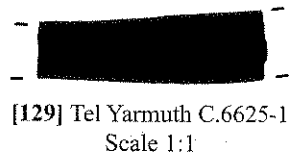


[119] Bab edh-Dhra 1888

[133] Tel Yarmuth C.13182-1
Scale 1:2



[120] Lahav Obj. 1696
(after Seger 1990)



[129] Tel Yarmuth C.6625-1
Scale 1:1

[123] Tel Erani IDAM 96-1810
Scale 1:1

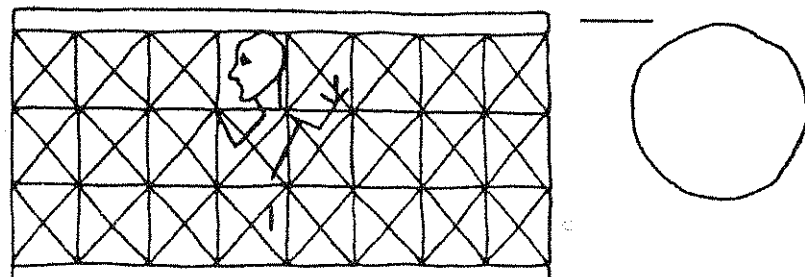
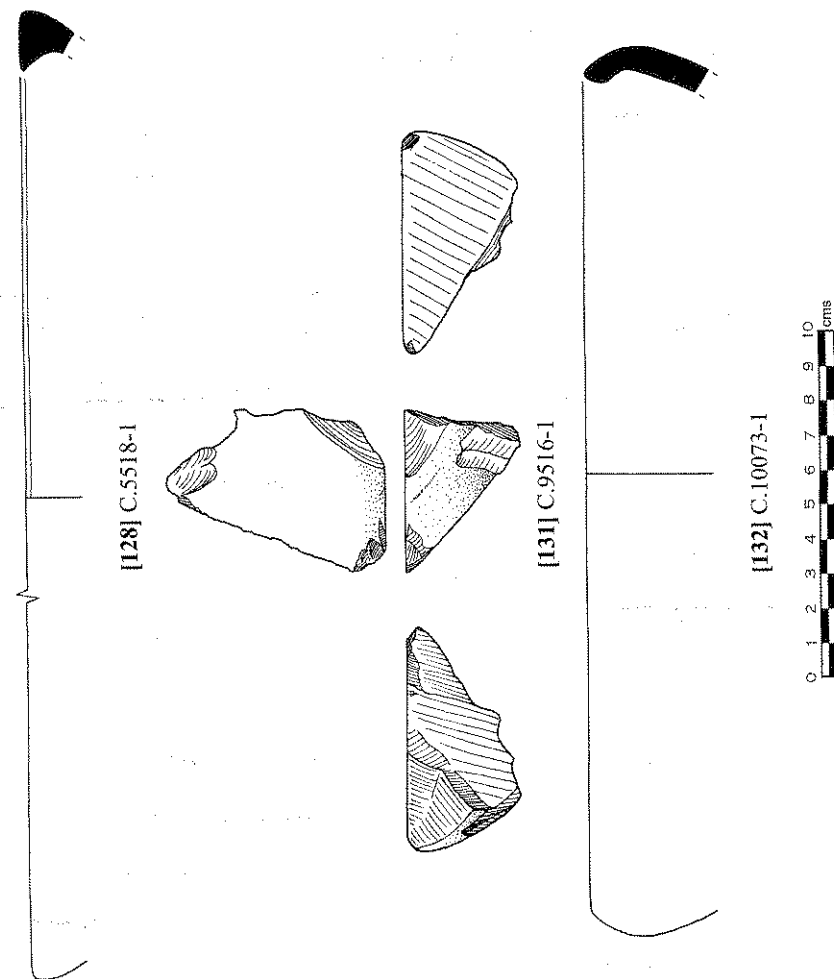


FIGURE 21

CANAAN: EGYPTIAN STONE VESSELS FROM TEL YARMUTH



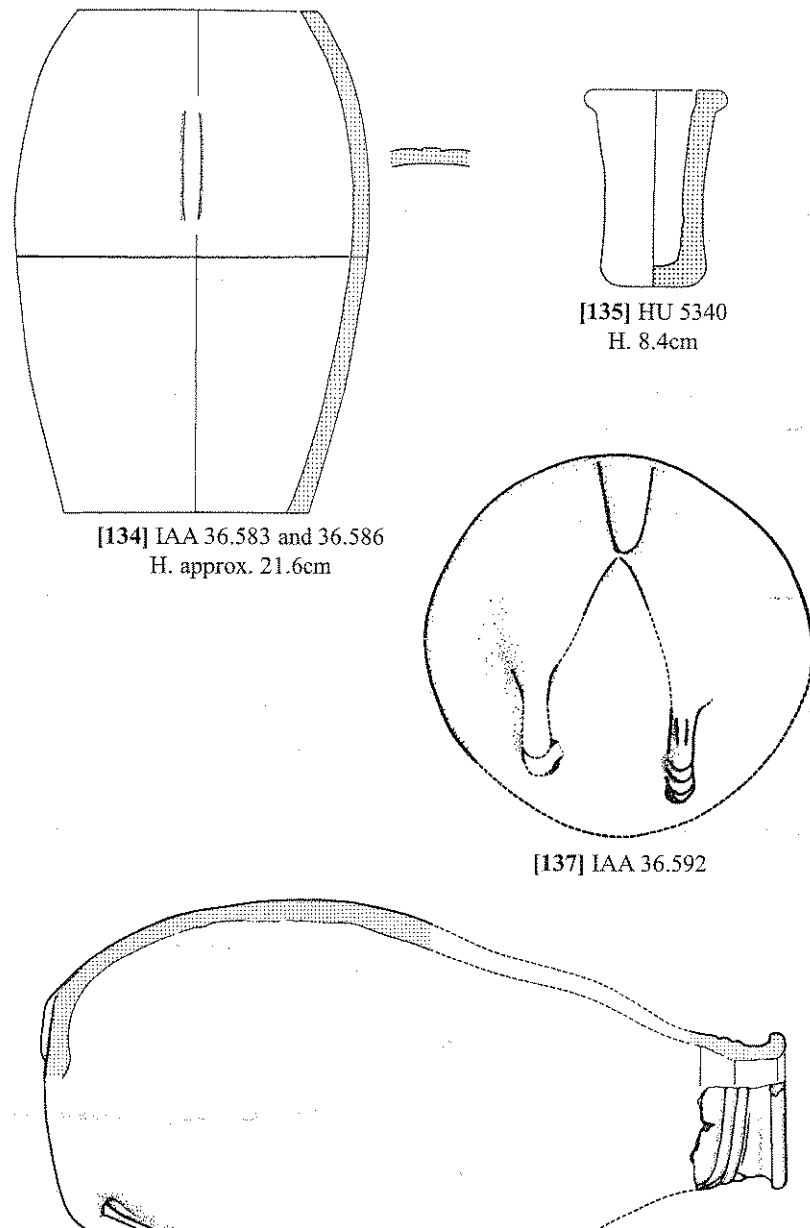
[128] C.5518-1

[131] C.9516-1

[132] C.10073-1



CANAAN: EGYPTIAN STONE VESSELS FROM AI
(AFTER AMIRAN 1970A)



CANAAN: EGYPTIAN STONE VESSELS FROM AI
(AFTER AMIRAN 1970A)

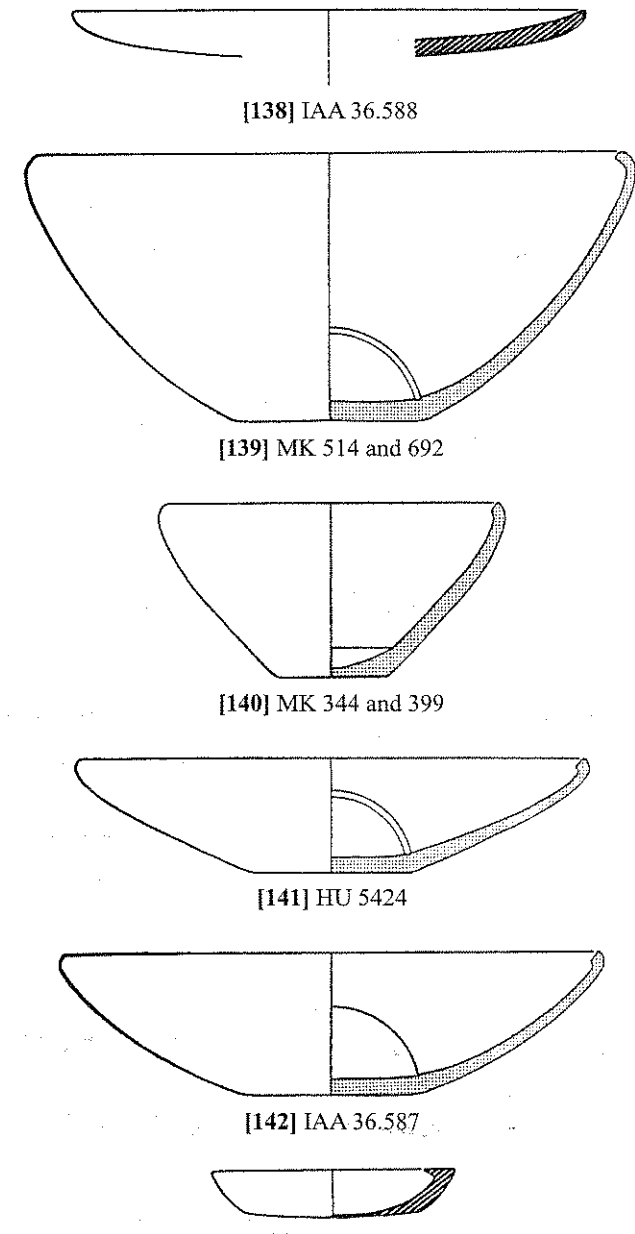
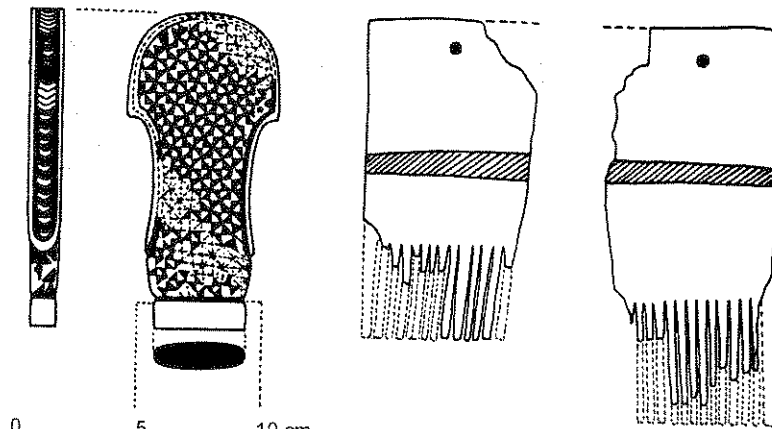


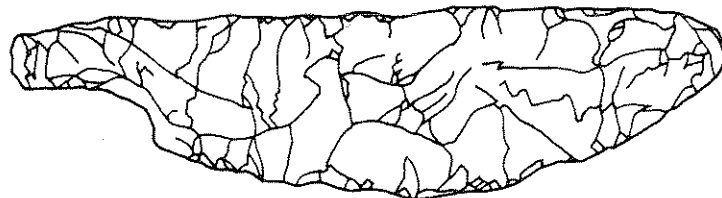
FIGURE 24

CANAAN: EGYPTIAN OBJECTS

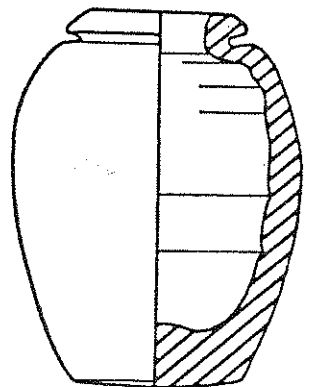


[144] Ai IAA 36.600
(after Callaway 1972)

[145] Ai HU 5541
(after Callaway 1972)
L. 6.0 cm and 7.0 cm



(a) Knife from Yavne-Yam (after Gophna 1969) Not to scale



0 10 CM

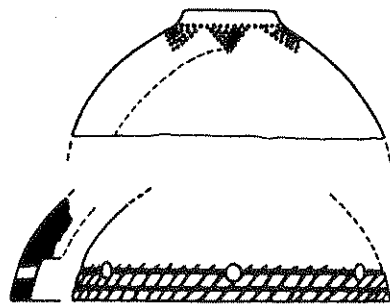
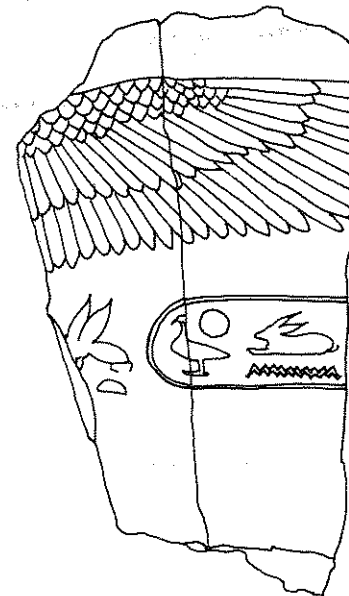
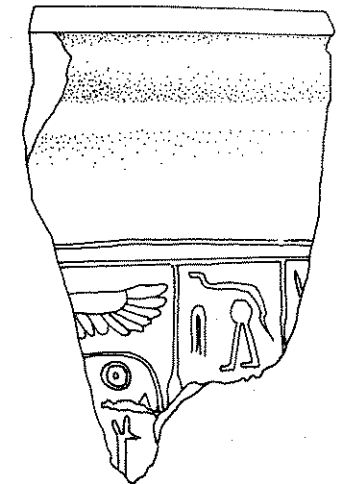


FIGURE 25

NORTHERN LEVANT: EGYPTIAN STONE VESSELS FROM BYBLOS
(AFTER DUNAND 1939-58) NOT TO SCALE



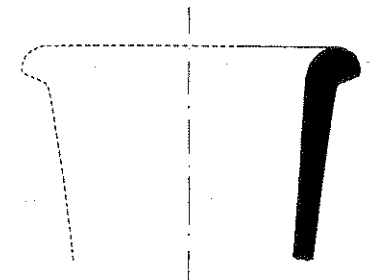
[151] Dunand 4029



[152] Dunand 4030



[153] Dunand 4031



[156] Dunand 17536

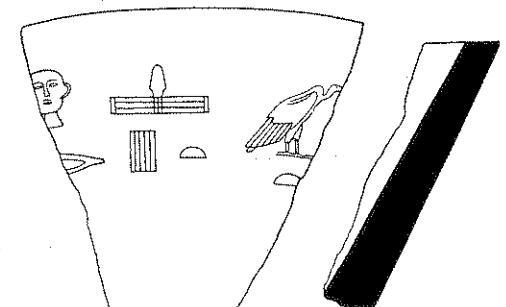


FIGURE 26

NORTHERN LEVANT: EGYPTIAN STONE VESSELS FROM BYBLOS
(AFTER DUNAND 1958) NOT TO SCALE

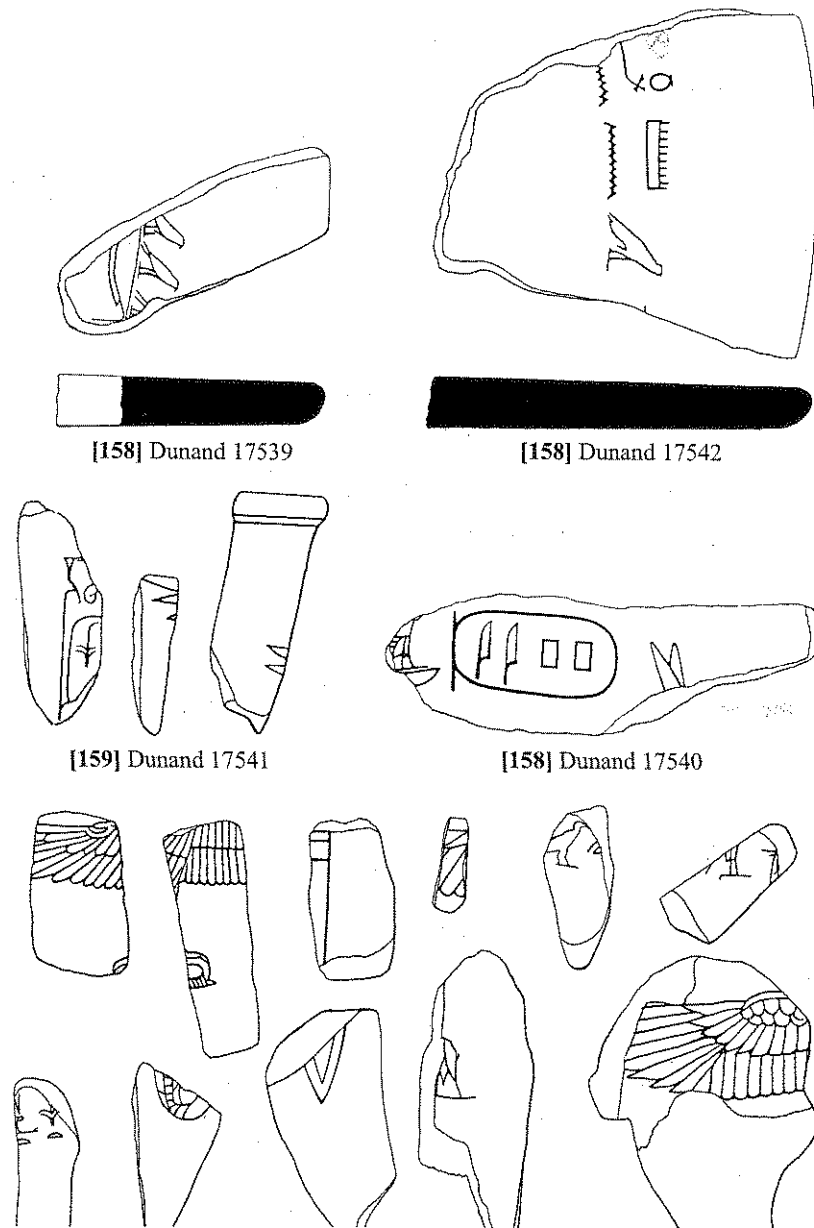


FIGURE 27

NORTHERN LEVANT: EGYPTIAN STONE VESSELS FROM BYBLOS
(AFTER DUNAND 1958) NOT TO SCALE

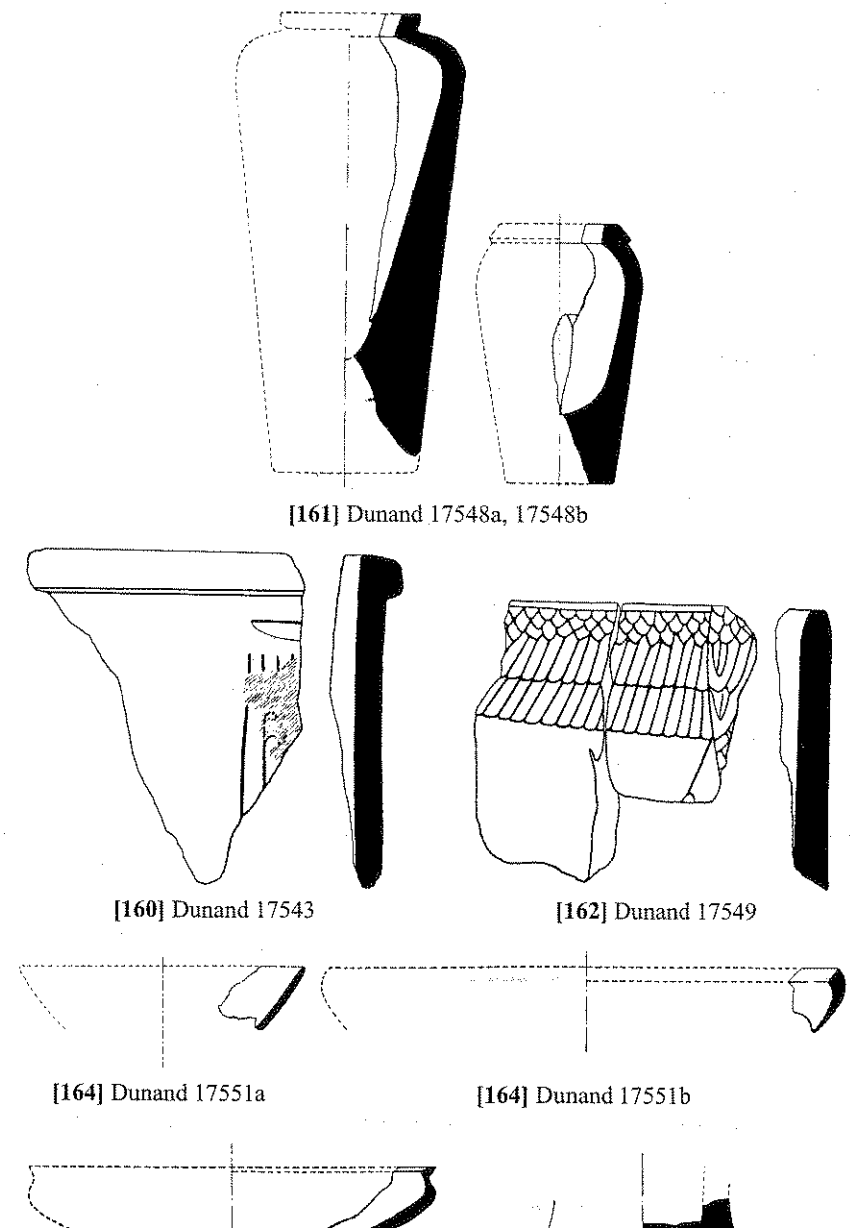


FIGURE 28

NORTHERN LEVANT: EGYPTIAN STONE VESSELS FROM BYBLOS
(AFTER DUNAND 1958) NOT TO SCALE

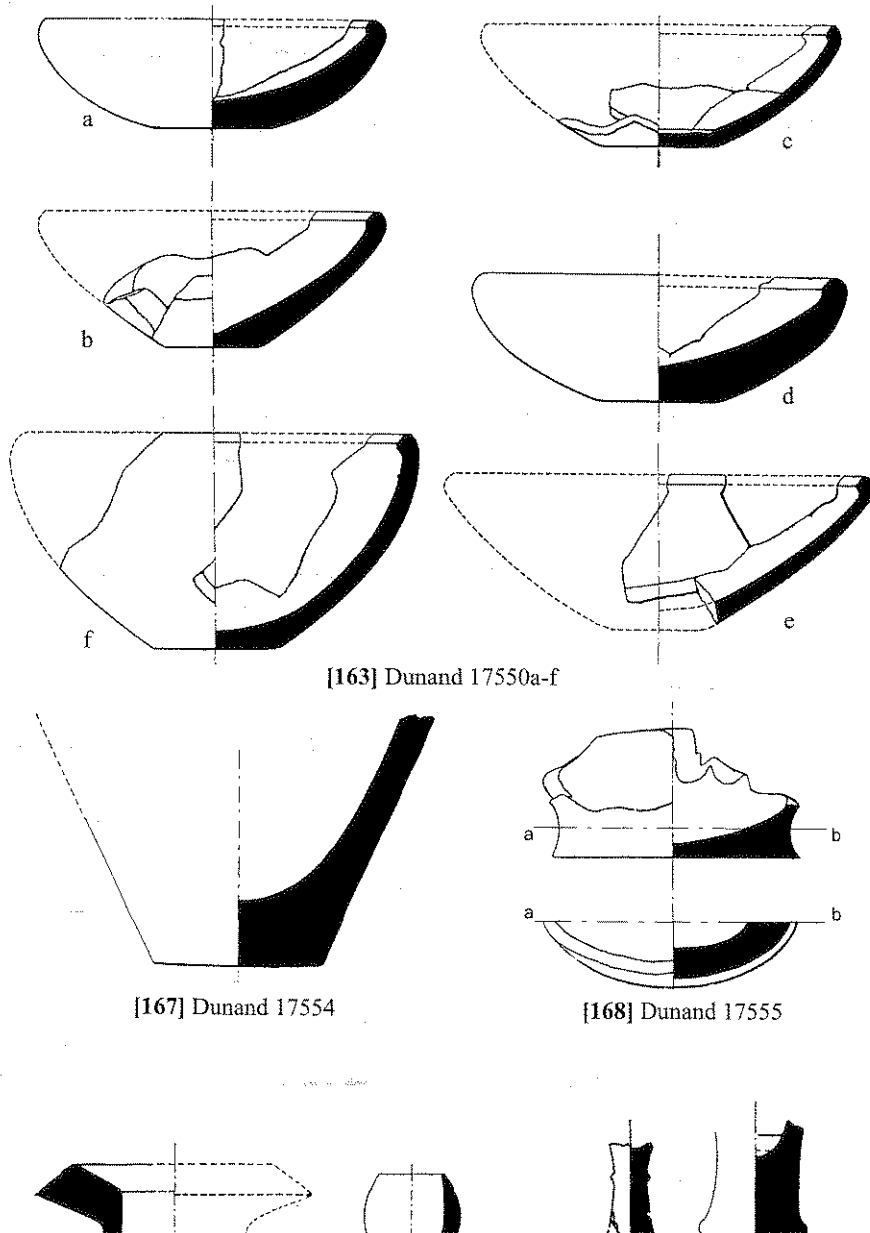
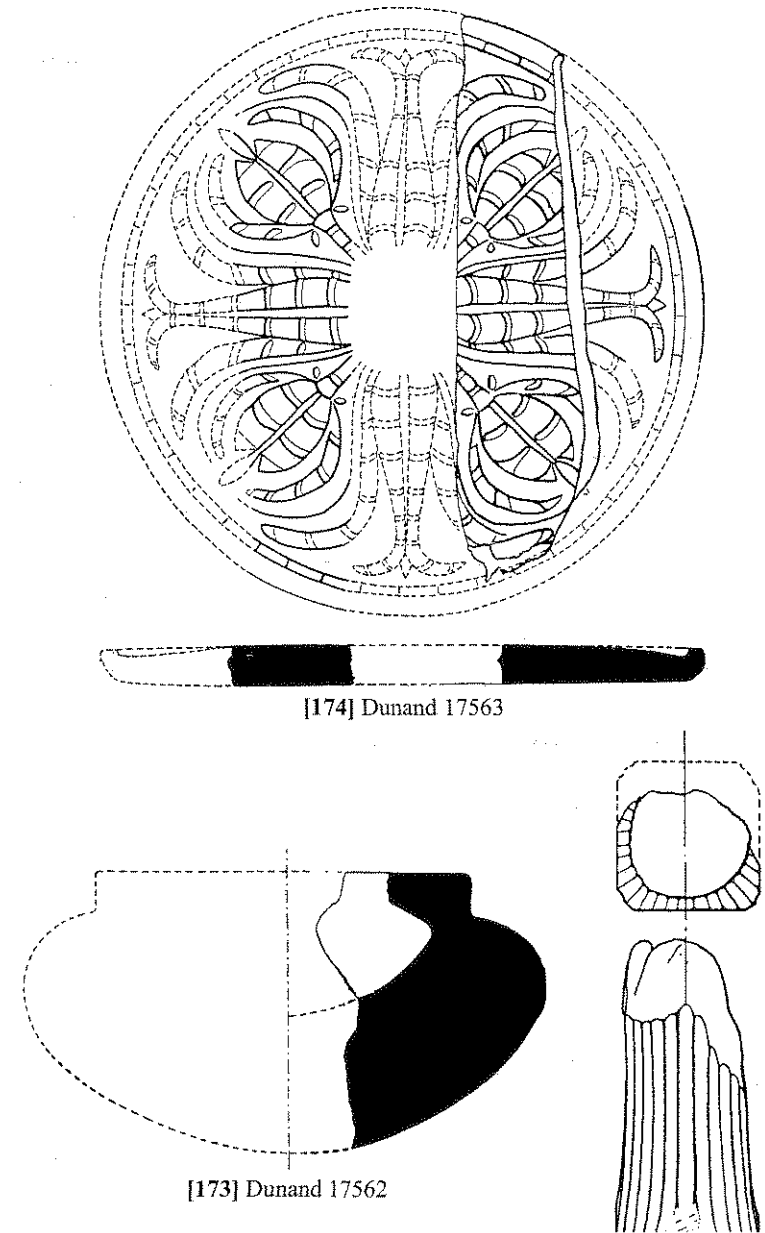


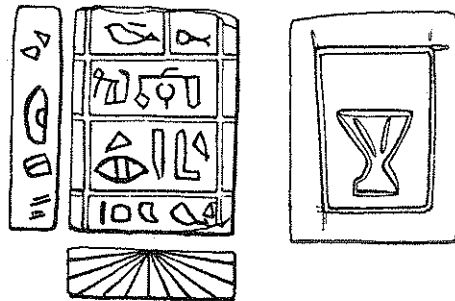
FIGURE 29

NORTHERN LEVANT: EGYPTIAN OBJECTS FROM BYBLOS
(AFTER DUNAND 1939-58) NOT TO SCALE

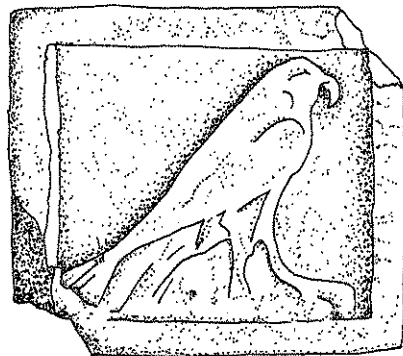




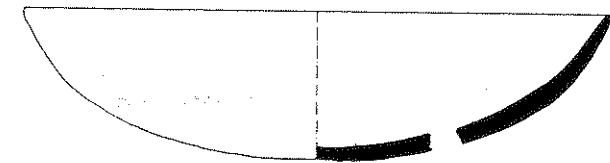
(a) Cylinder seal impression (after Montet 1928)



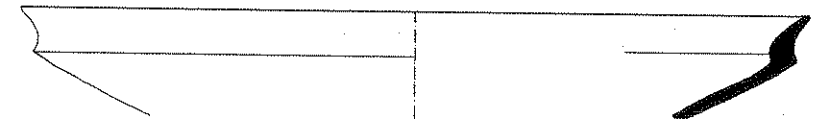
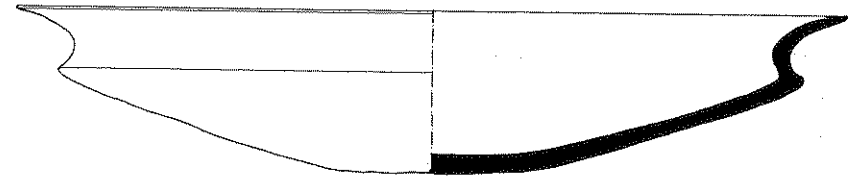
(b) Dunand 17145 (after Dunand 1958) Scale 1:1



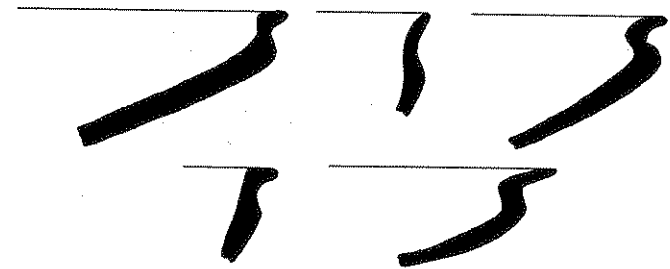
(d) Dunand 5445 (after Dunand 1939) Scale 1:1

(c) Dunand 5269
(after Dunand 1939)
Not to scale

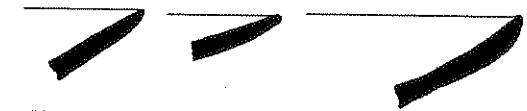
[176] Reg. TM.79.G.276



[177] Regs TM.80.G.280 and TM.76.G.334

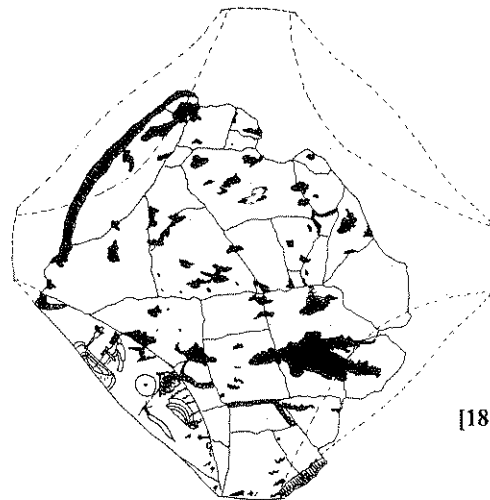


[178] Various numbers

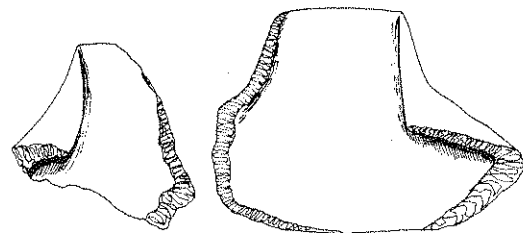


[179] Regs TM.77.G.940, 948 and 961

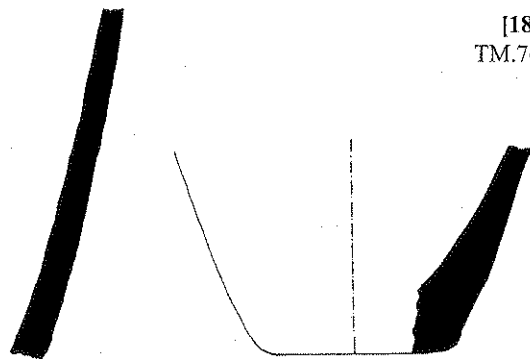
NORTHERN LEVANT: EGYPTIAN STONE VESSELS FROM EBLA
(AFTER SCANDONE MATTHIAE 1981)



[180] Reg. TM.77.G.943a etc.



[182] Regs TM.77.G.944 and 956

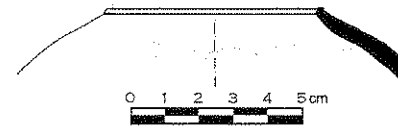


[183] Reg. TM.77.G.956b

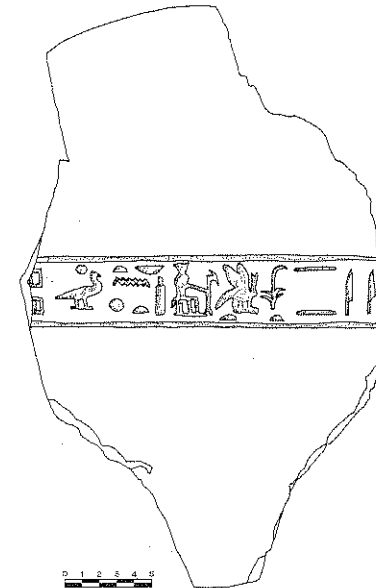
[181] Regs TM.77.G.967 and 969

[184] Regs TM.78.G.147,
TM.76.G.635 and TM.77.G.711

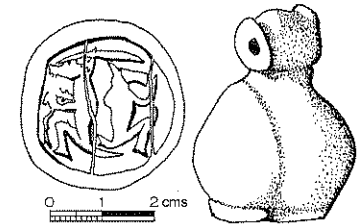
NORTHERN LEVANT: EGYPTIAN OBJECTS FROM EBLA, CYPRUS AND CRETE



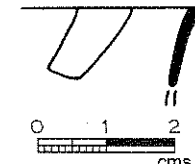
[185] Ebla TM.80.G.179
(after Scandone Matthiae 1981)



[186] Ebla TM.77.G.600
(after Scandone Matthiae 1979)



(a) Ivory seal
(after Lambrou-Phillipson 1990)



[189] Knossos KSM RRS/72/524
(after Warren and Hankey 1989)



[190] Maronia Siteias HM Y 4113
Not to scale

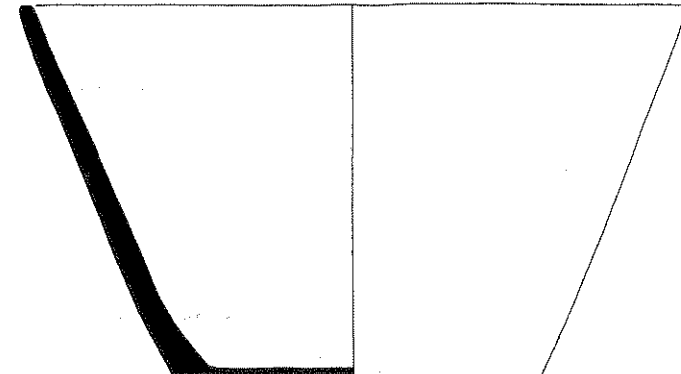


FIGURE 34

EGYPTIAN OBJECTS FROM THE 'DÉPÔTS DE FONDATION' AT BYBLOS (AFTER MONTET 1928)
NOT TO SCALE

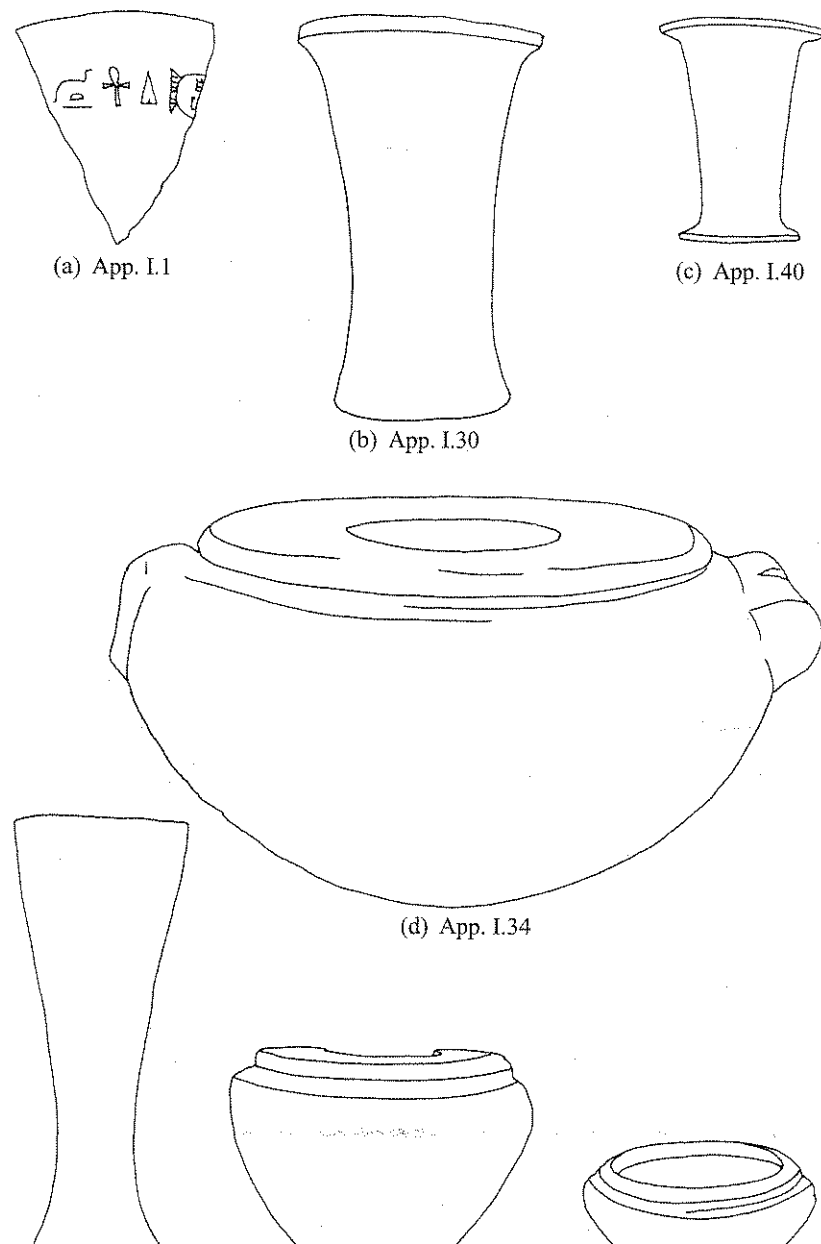


FIGURE 35

EGYPTIAN OBJECTS FROM THE 'DÉPÔTS DE FONDATION' AT BYBLOS (AFTER MONTET 1928)
NOT TO SCALE

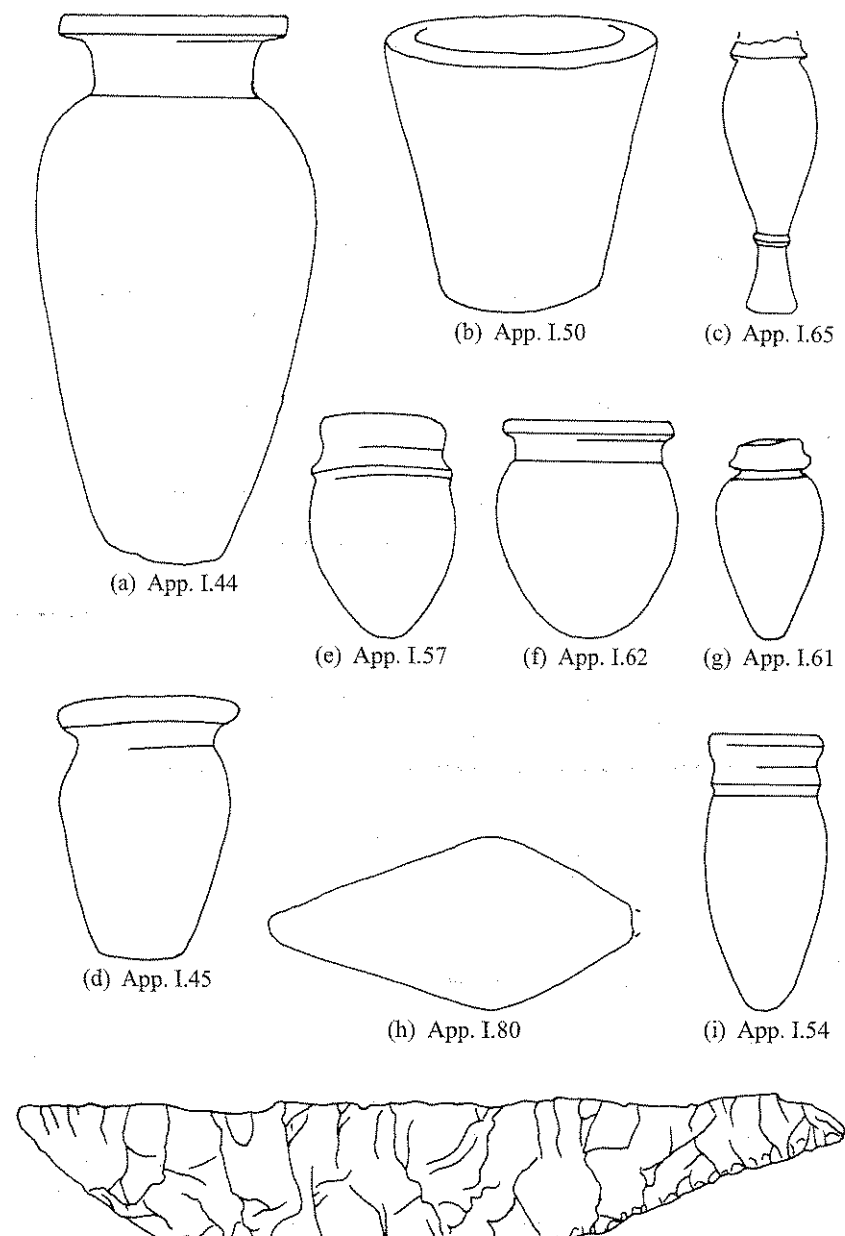
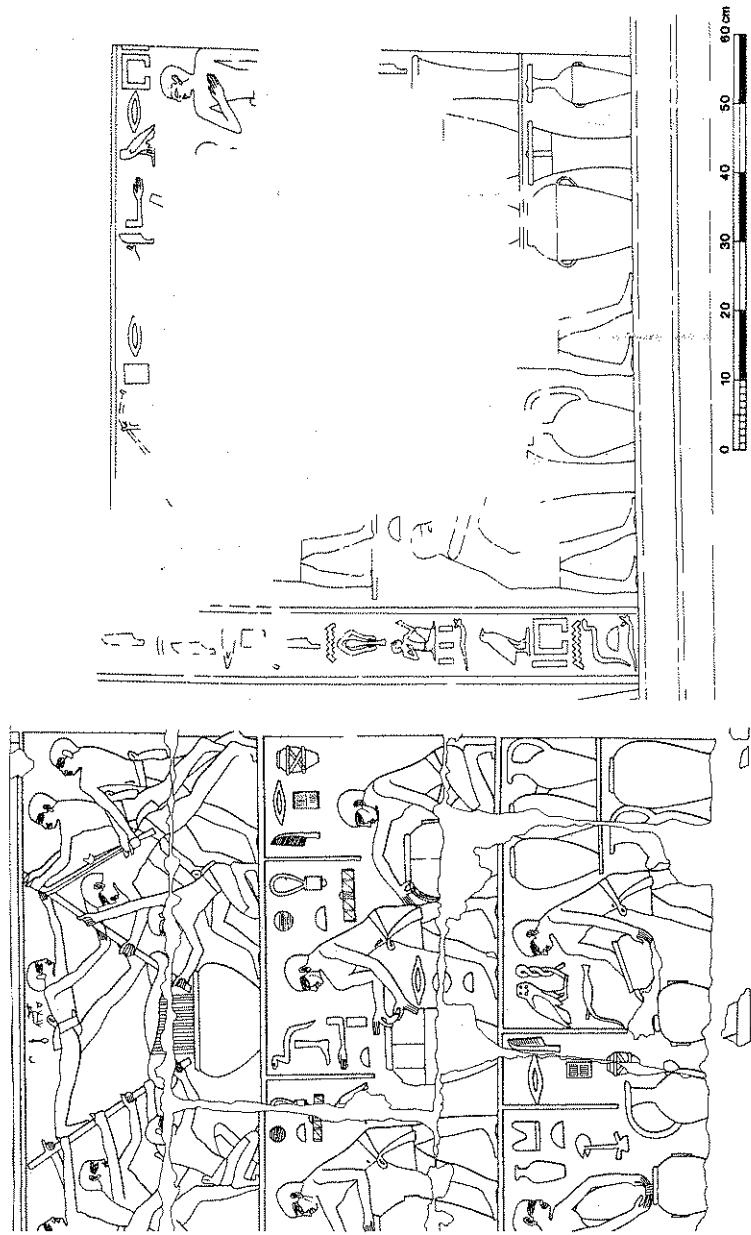


FIGURE 36

REPRESENTATIONS OF FOREIGN POTTERY SHAPES IN OLD KINGDOM TOMBS

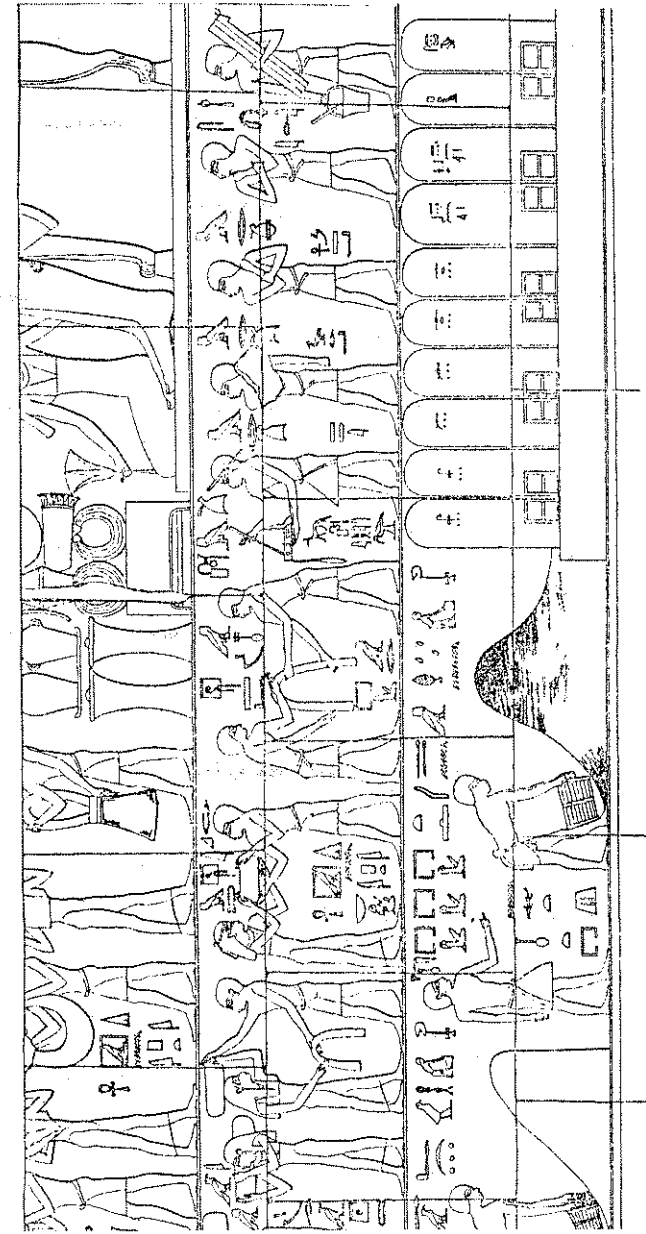


) Tomb of Ni-ankh-Khnum and Khnum-hotep
(after Moussa and Altenmüller 1977)

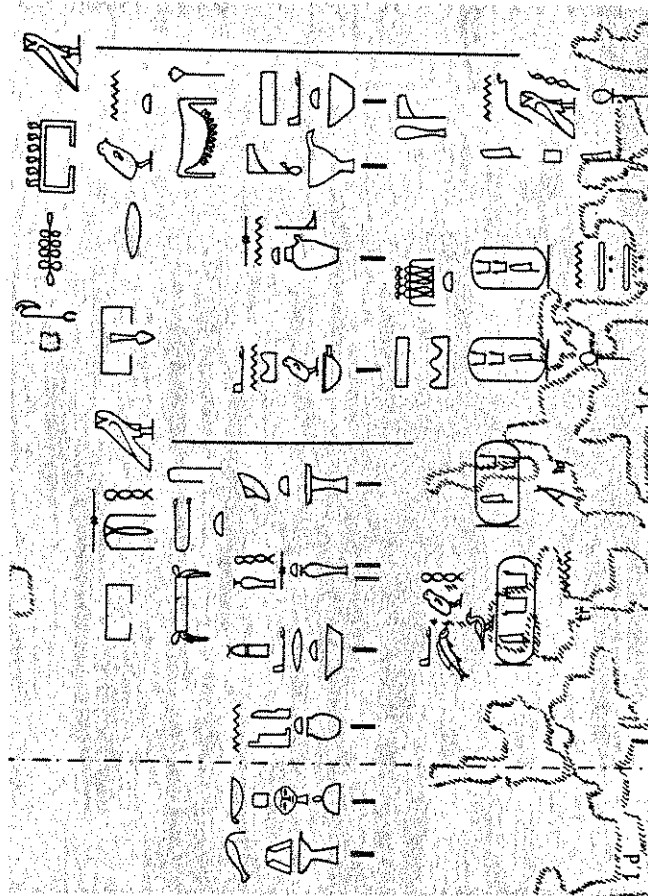
(b) Tomb of Shedw (after Kanawati and McFarlane 1993)

FIGURE 37

SCENE FROM THE TOMB OF PTAH-HOTEP
(AFTER JUNKER 1941)



ABUSIR PAPYRUS DETAIL
(AFTER POSENER-KRIÉGER AND DE CENIVAL 1968)



IMPORTED ANIMALS AND JARS FROM THE FUNERARY COMPLEX OF SAHURE AT ABUSIR
(AFTER BORCHARDT 1913)

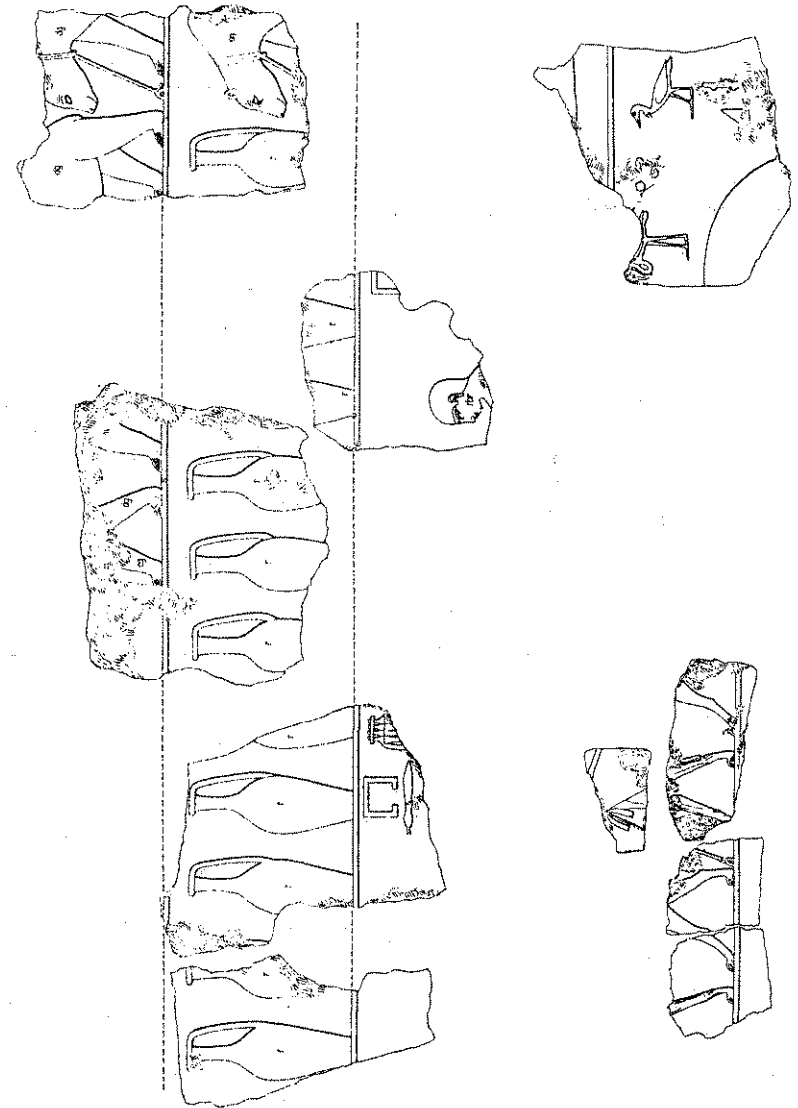


FIGURE 40

SCENE FROM THE TOMB OF NI-ANKH-KHNUM AND KHNUM-HOTEP
SHOWING LOCAL AND IMPORTED TREES (AFTER MOUSSA AND ALTENMÜLLER 1977)



FIGURE 41

BATTLE SCENES FROM THE TOMB OF INTI AT DESHASHA
(AFTER KANAWATI AND MCFARLANE 1993)

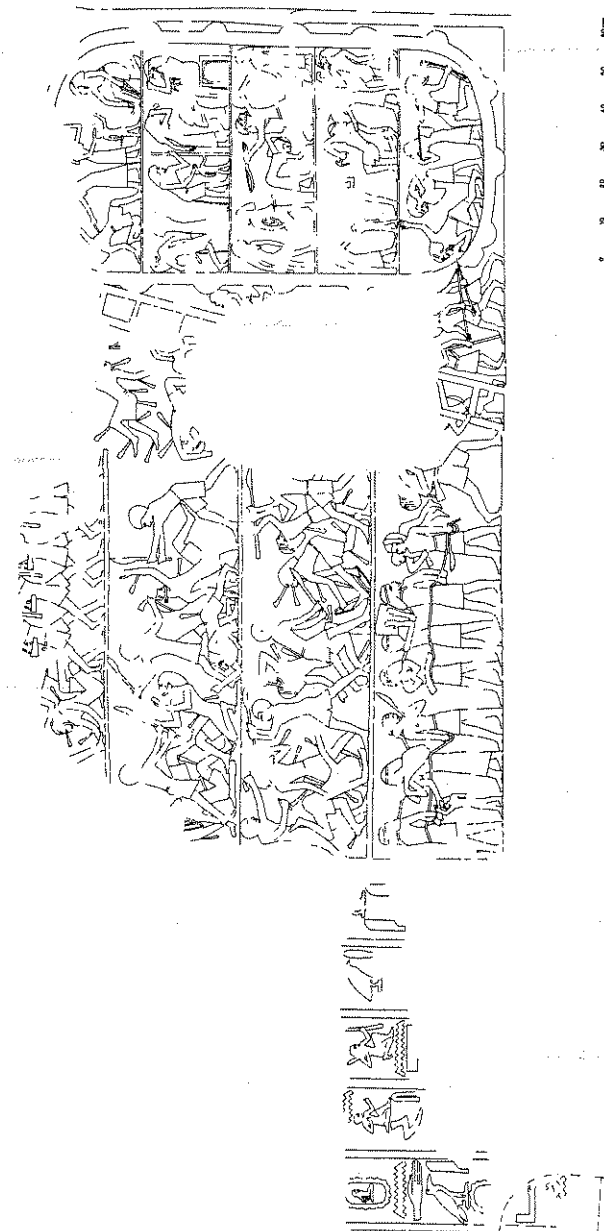


FIGURE 42

SIEGE SCENE FROM THE TOMB OF KA-EM-HESIT AT SAQQARA
(AFTER MCFARLANE 2003)

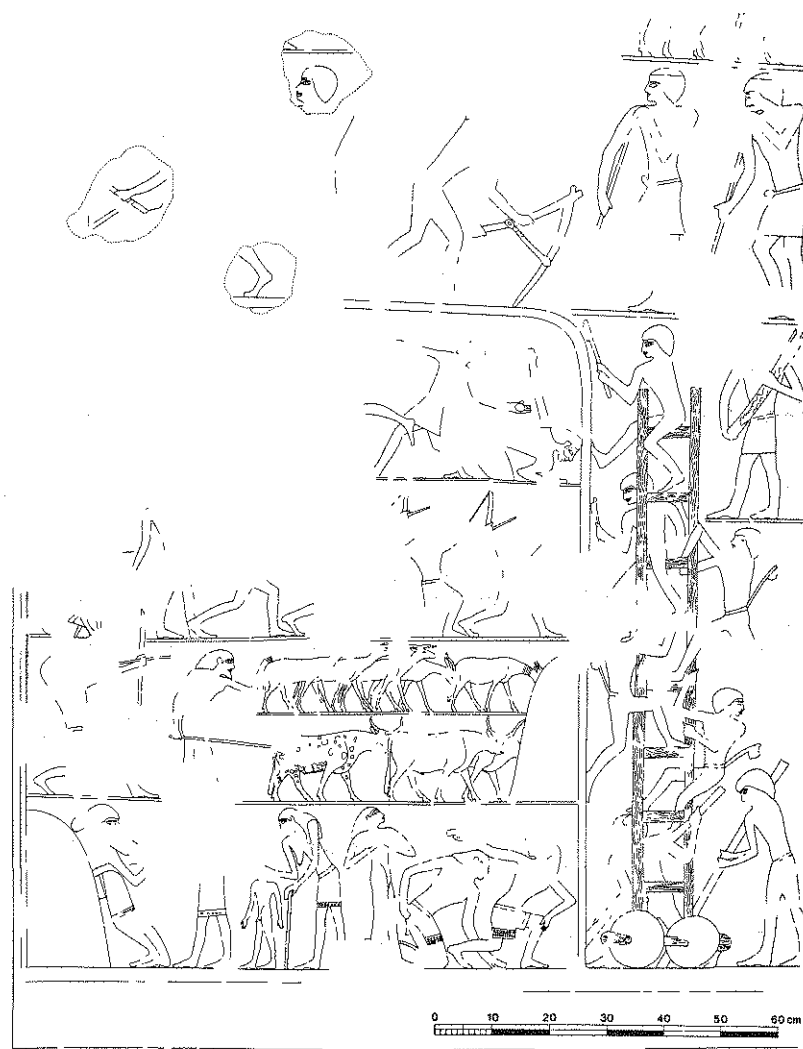


FIGURE 43

ASIATICS ARRIVING, FROM THE FUNERARY COMPLEX OF SAHURE AT ABUSIR
(AFTER BORCHARDT 1913)

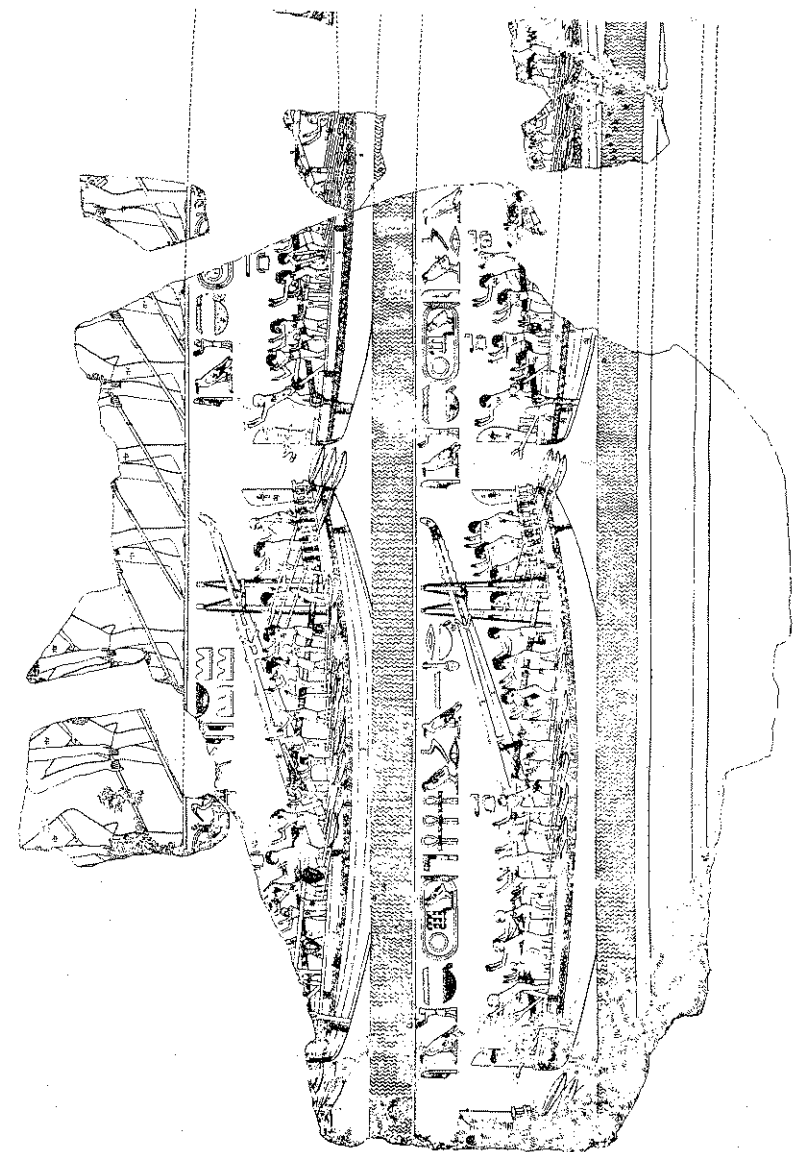


FIGURE 44

EGYPTIANISING CUPS FROM THE SANCTUARY AT AI

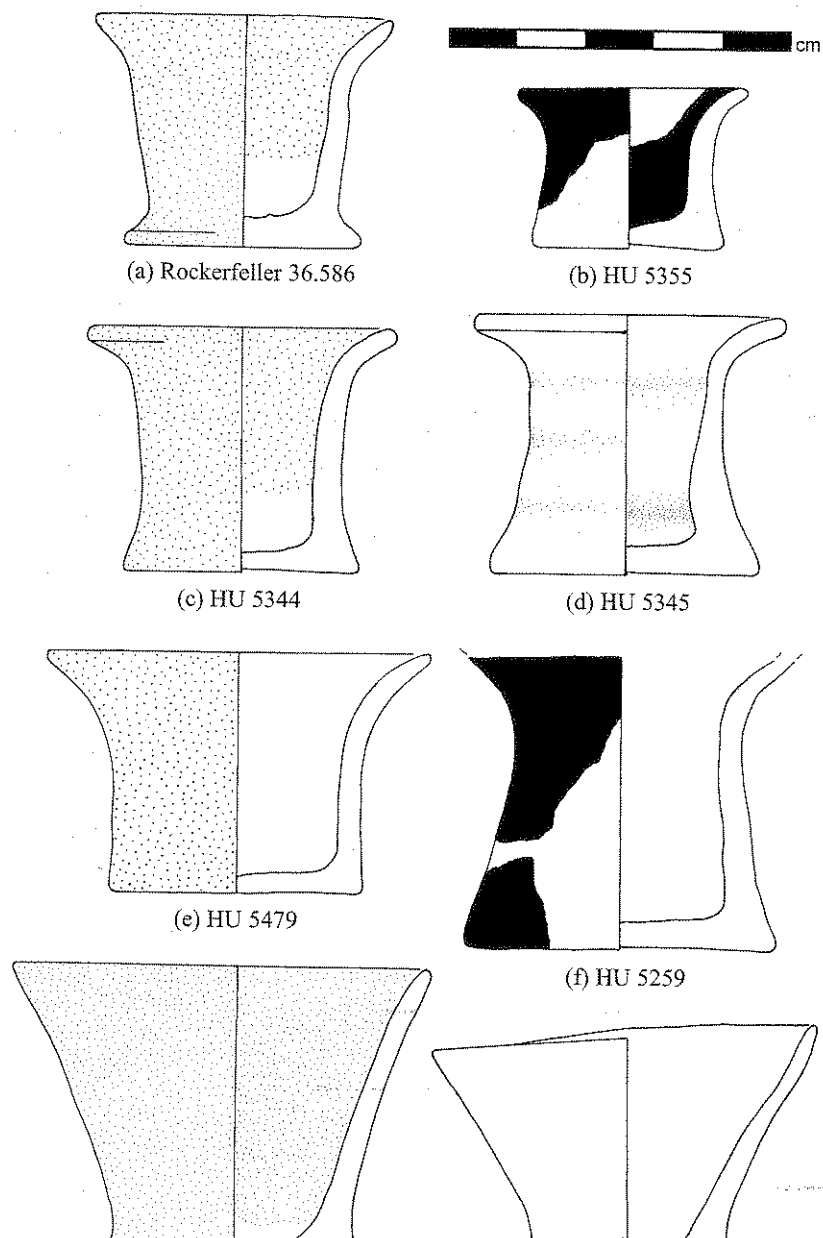


FIGURE 45

EARLY DYNASTIC / EB II EGYPTIAN EXCHANGE ROUTES IN THE EASTERN MEDITERRANEAN

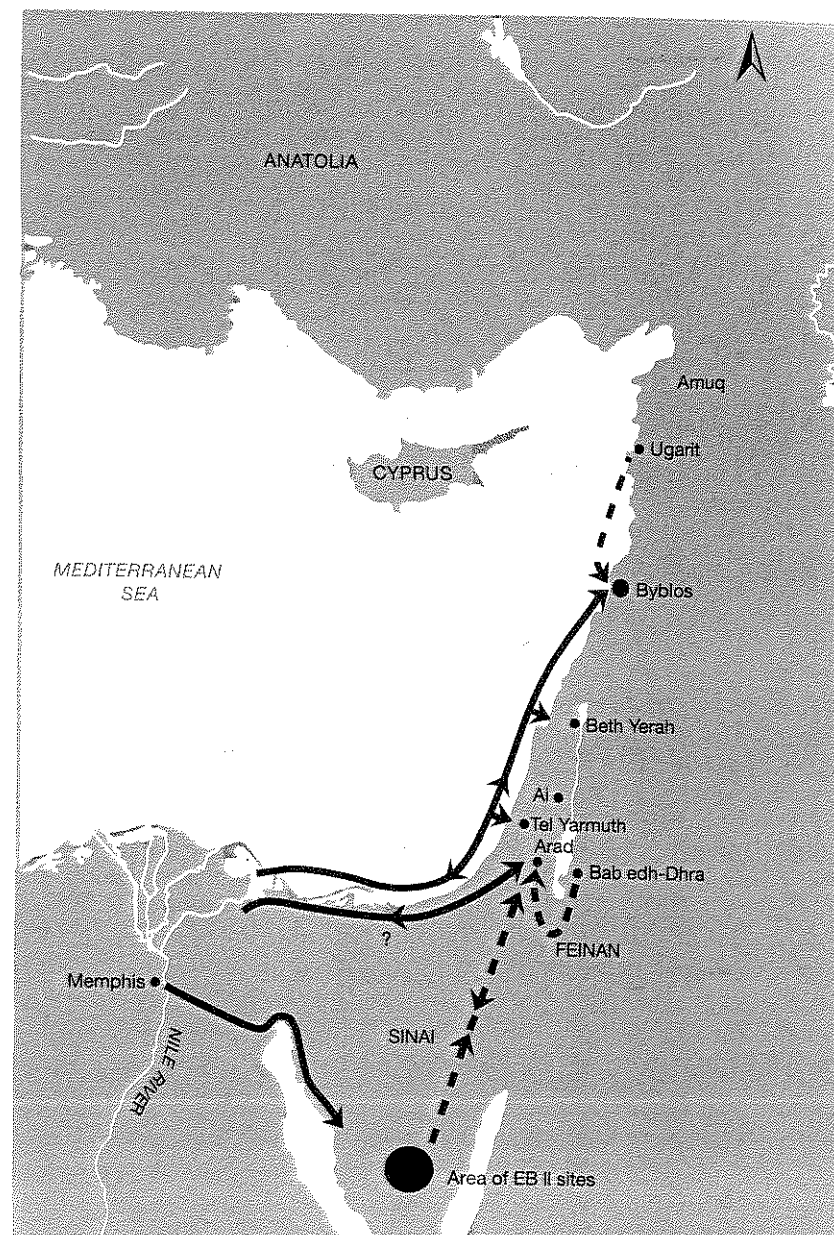


FIGURE 46

EARLY DYNASTIC / EB II EGYPTIAN EXCHANGE ROUTES IN CANAAN

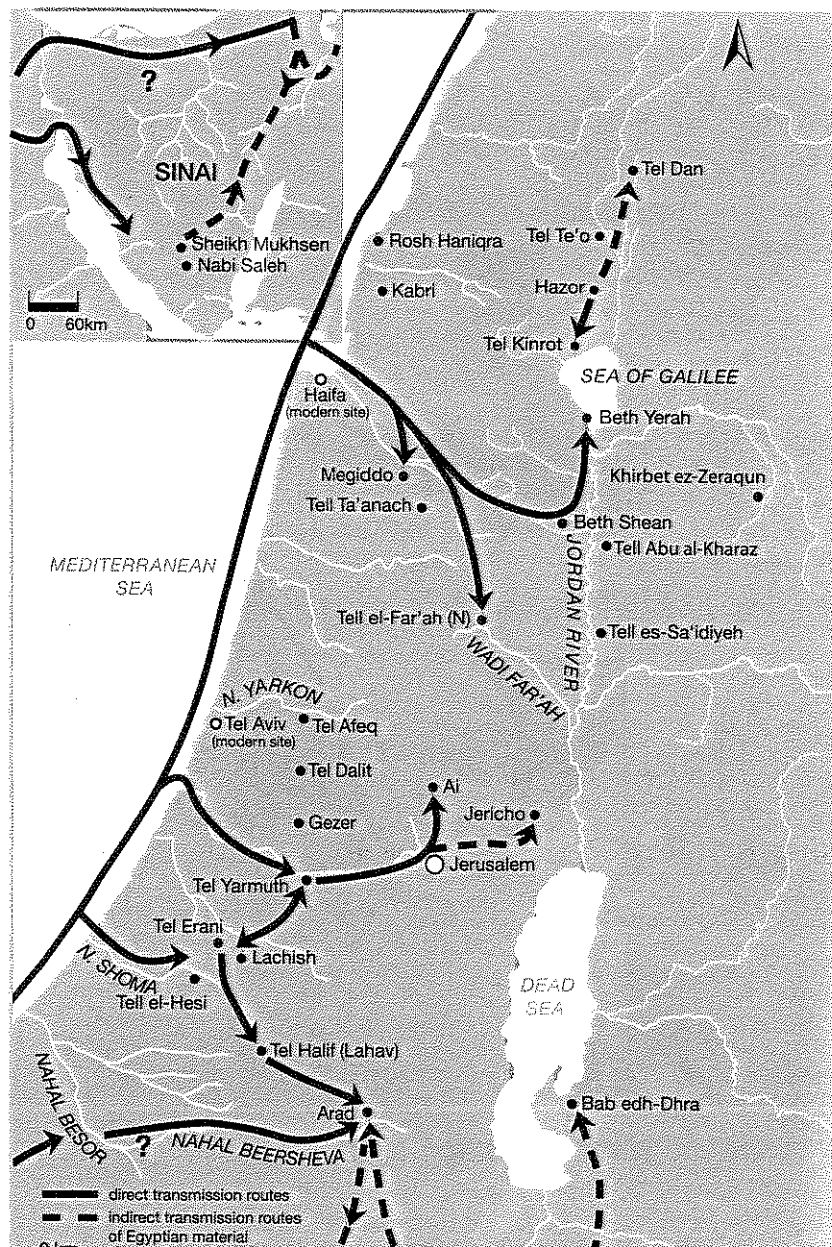
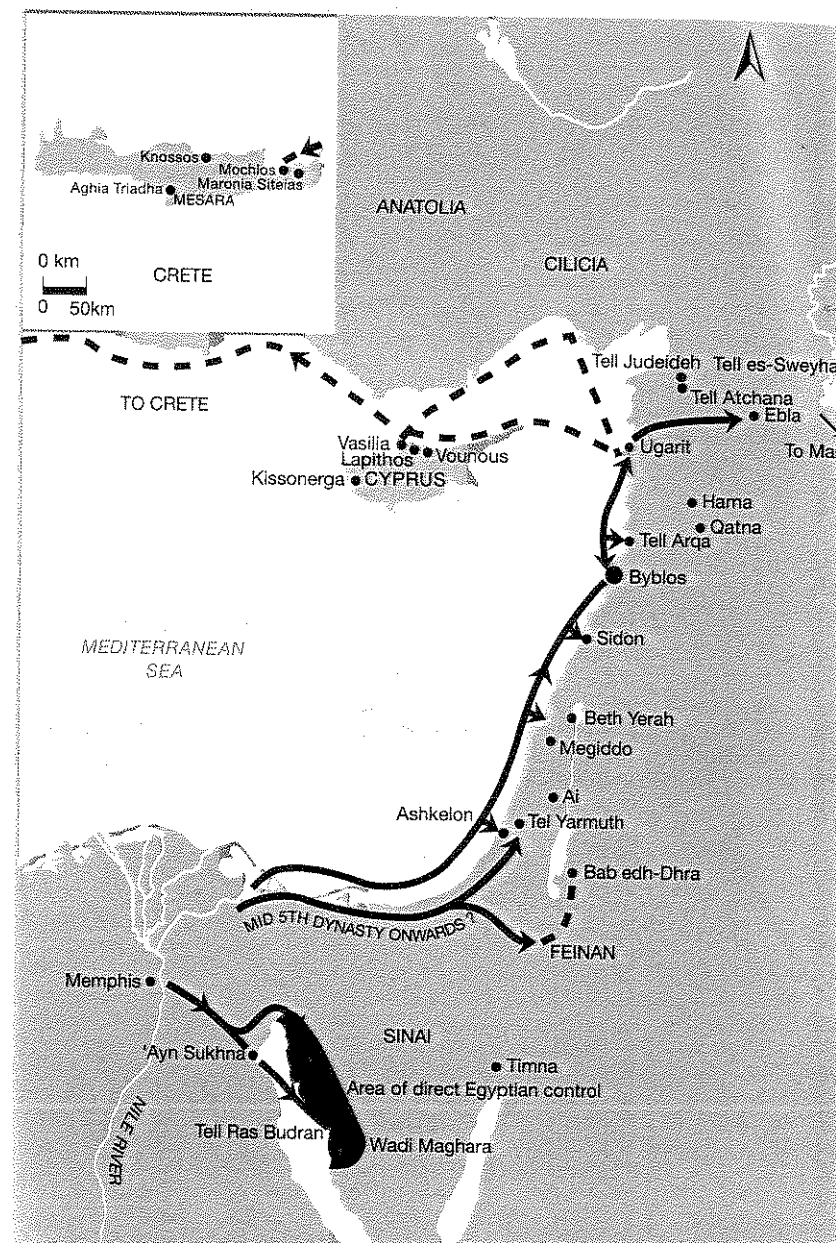
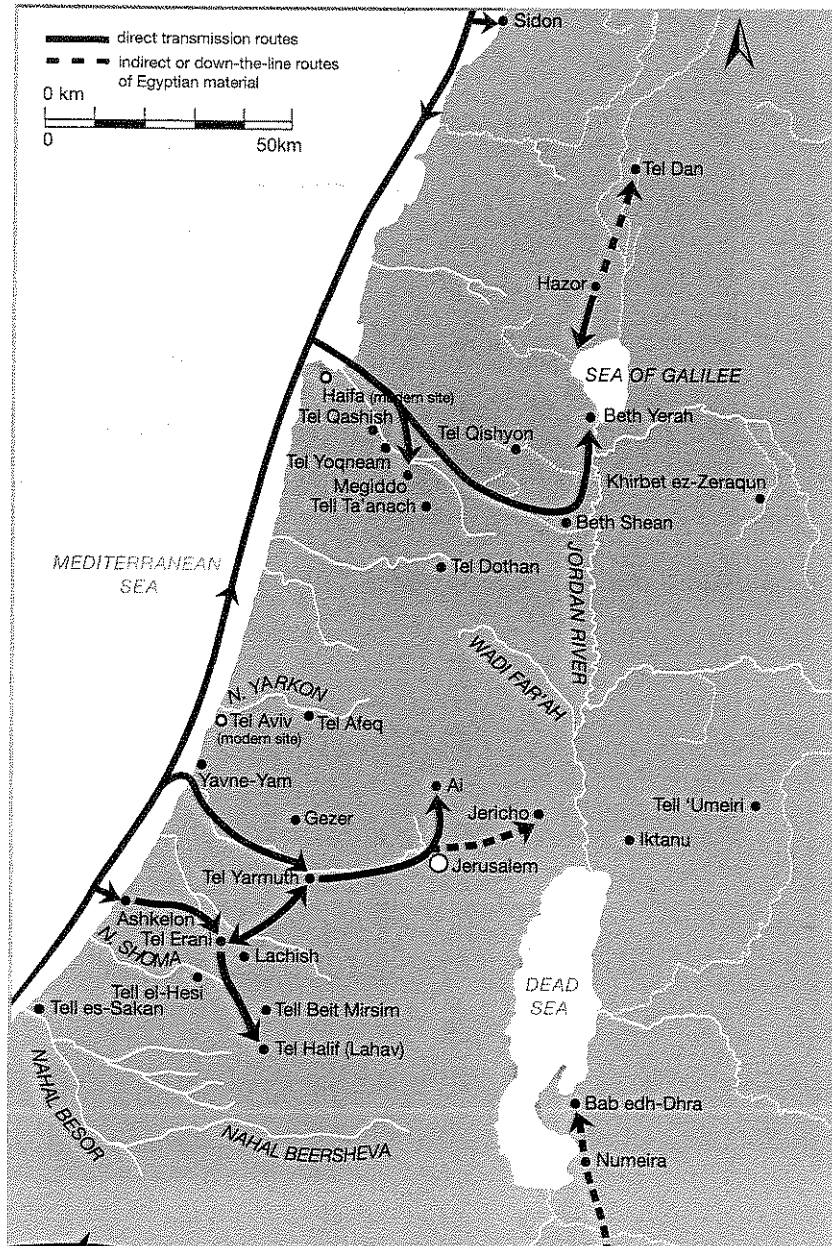


FIGURE 47

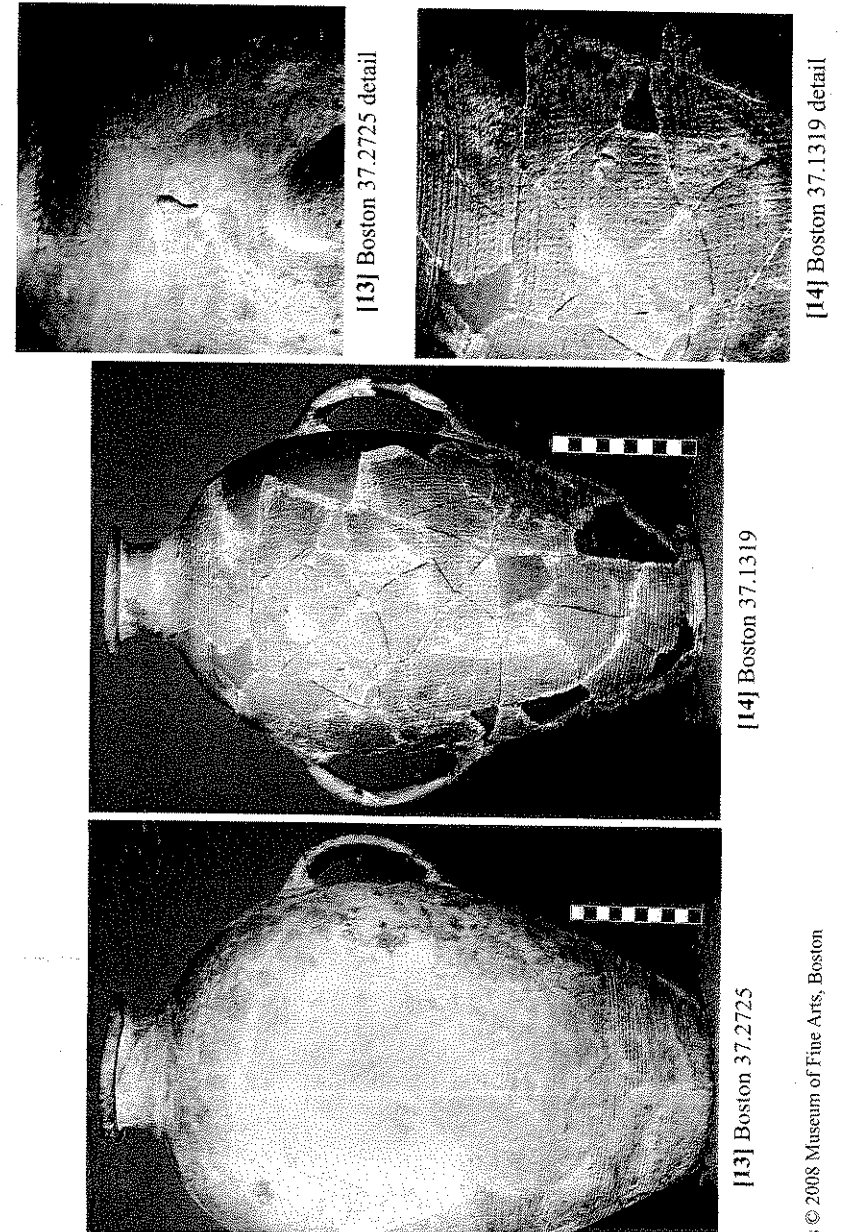
OLD KINGDOM / EB III-IV EGYPTIAN EXCHANGE ROUTES IN THE EASTERN MEDITERRANEAN



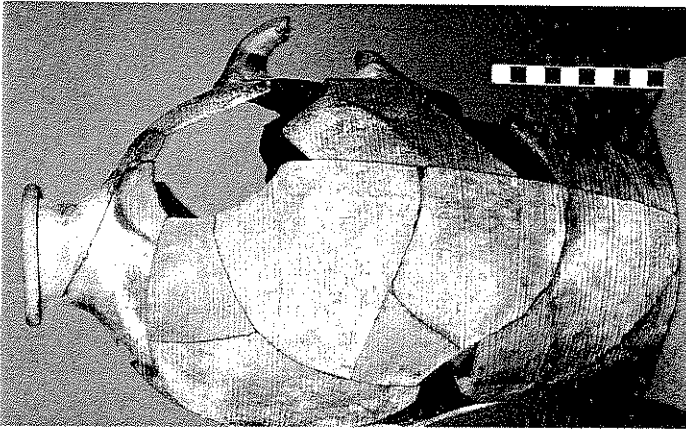
OLD KINGDOM / EB III-IV EGYPTIAN EXCHANGE ROUTES IN CANAAN



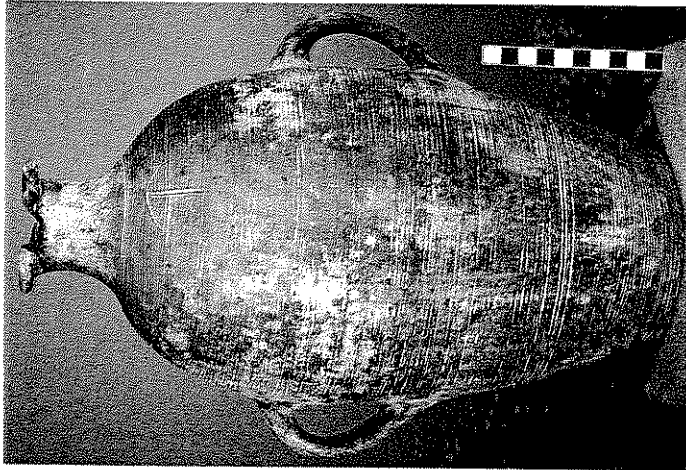
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



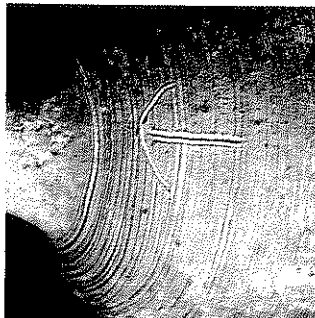
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



[12] Boston 37.2729



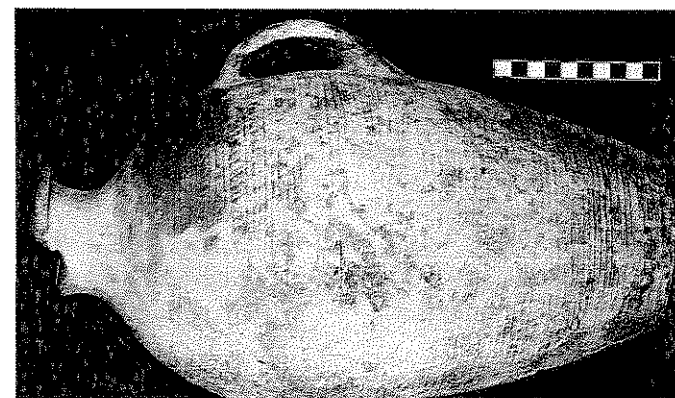
[19] Boston 19.1456



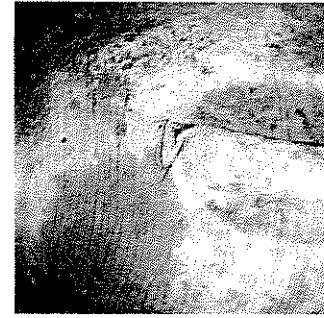
[19] Boston 19.1456 detail

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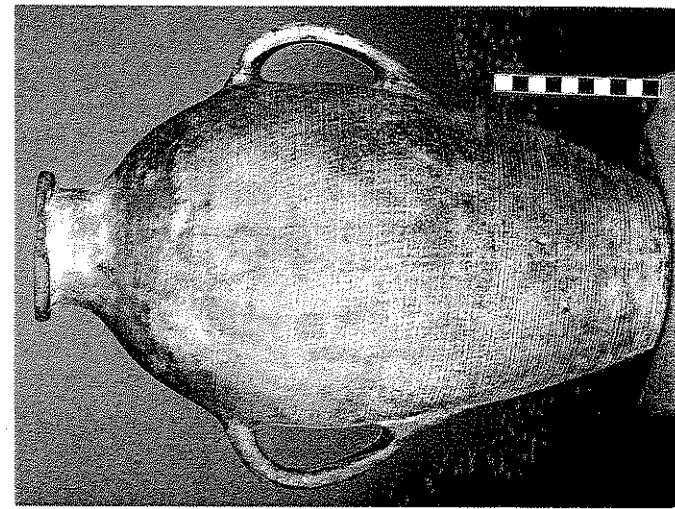
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



[25] Boston 47.1661



[25] Boston 47.1661 detail



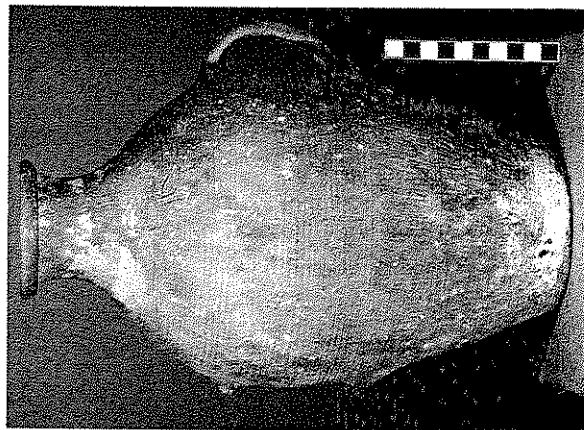
[33] Boston 20.1903

Photographs © 2008 Museum of Fine Arts, Boston

EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



[36] Leipzig 1484



[39] Boston 47.1662



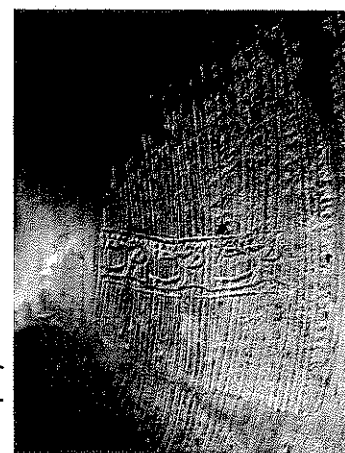
[42] Boston 37.2724

Photographs © 2008 Museum of Fine Arts, Boston

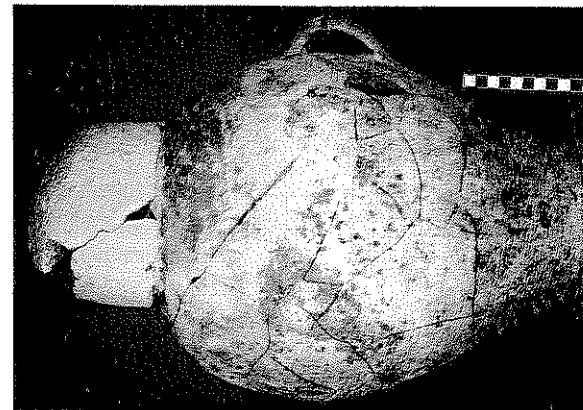
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



[39] Boston 47.1662 detail



[42] Boston 37.2724 detail



[47] Boston 37.2723



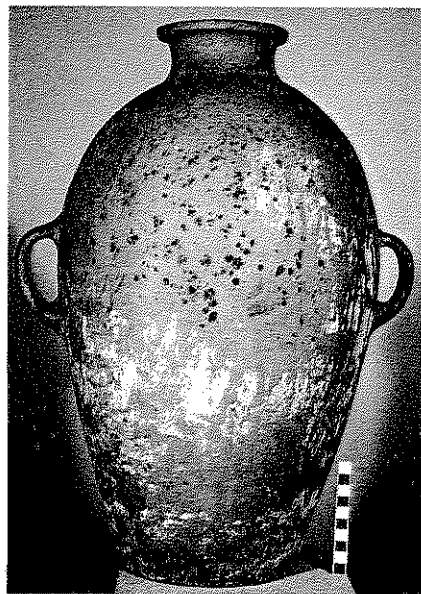
[47] Boston 37.2723 detail

Photographs © 2008 Museum of Fine Arts, Boston

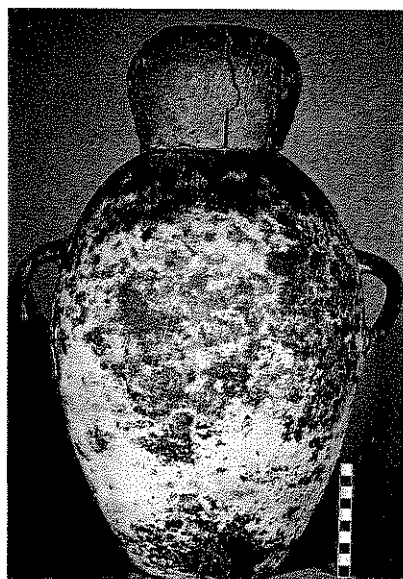
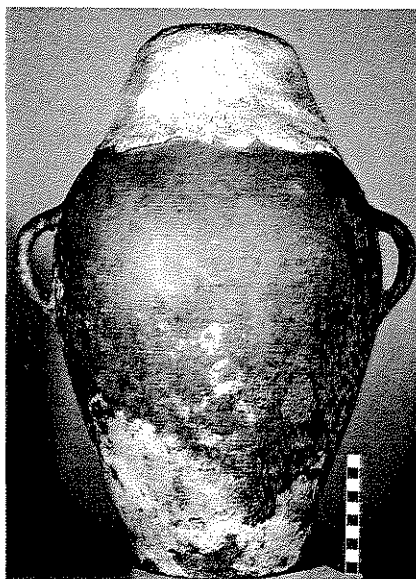
EGYPT: COMBED WARE JARS (TYPE 1) FROM GIZA



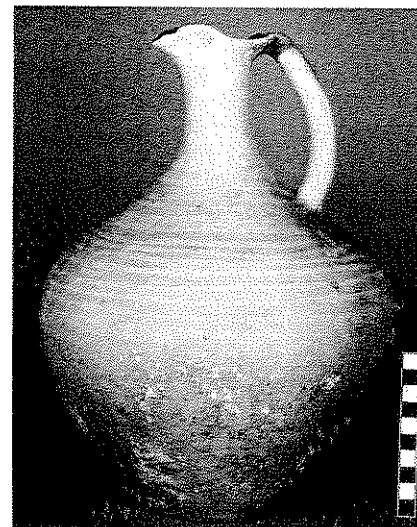
[50] Boston 13.2929



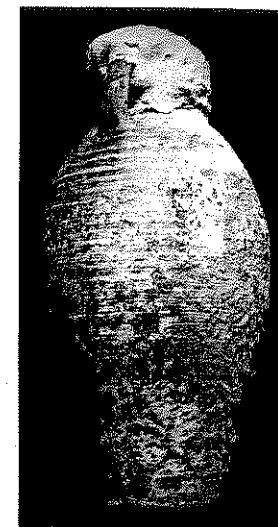
[51] Boston 13.2930



EGYPT: IMPORTED JARS (TYPES 1 AND 2) FROM GIZA AND OTHER SITES



[55] Boston 20.1904



[62] Giza, no number

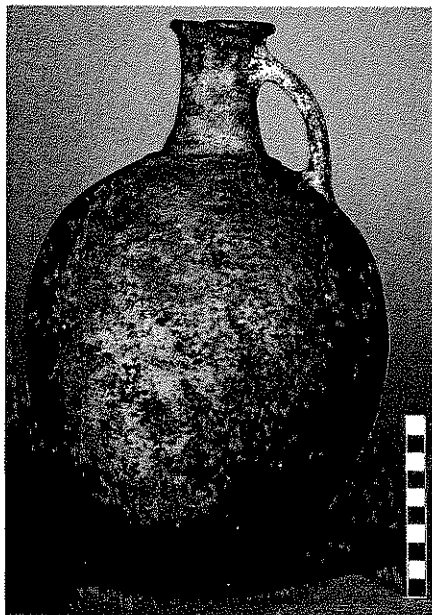
Above: Photographs © 2008 Museum of Fine Arts, Boston



EGYPT: ONE-HANDLED JARS (TYPE 2) FROM GIZA AND OTHER SITES

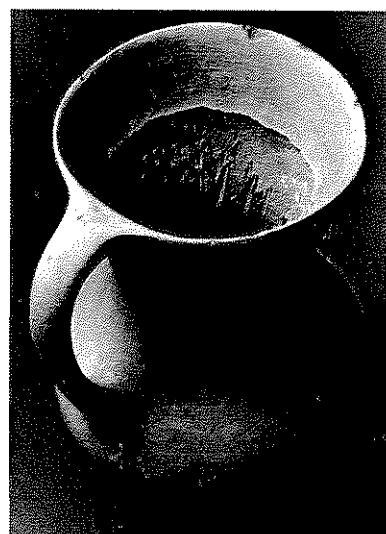
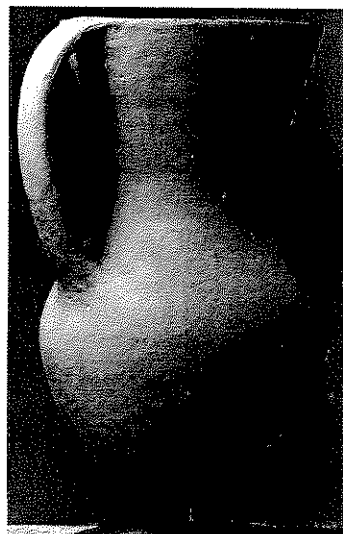


[57] Boston 20.1899

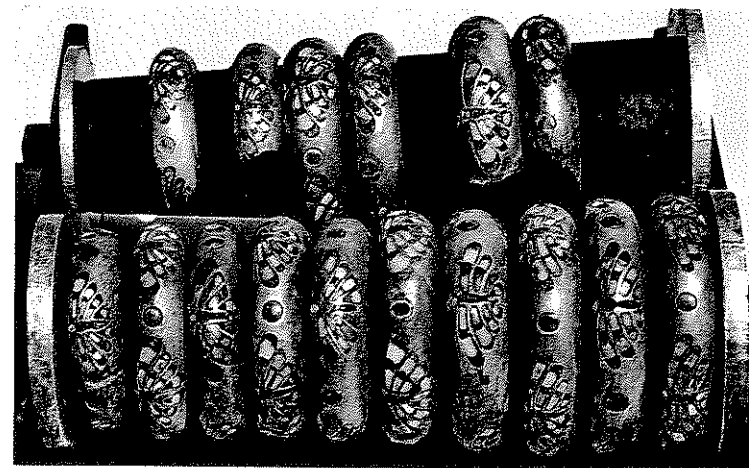


[59] Boston 20.1905

Above: Photographs © 2008 Museum of Fine Arts, Boston

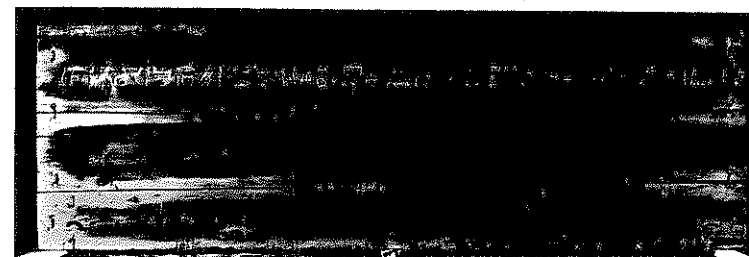


EGYPT: IMPORTED RAW MATERIALS



[63] Cairo JE 53271-3

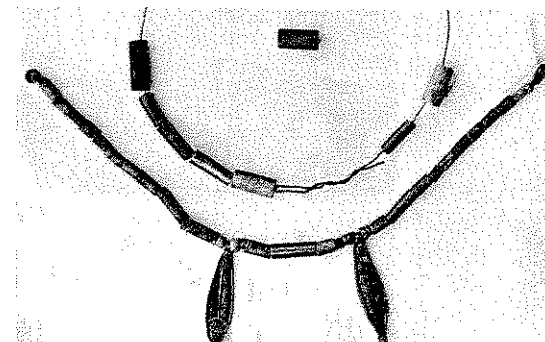
Photograph © 2008 Museum of Fine Arts, Boston



[67] Hildesheim 2511



[67] detail



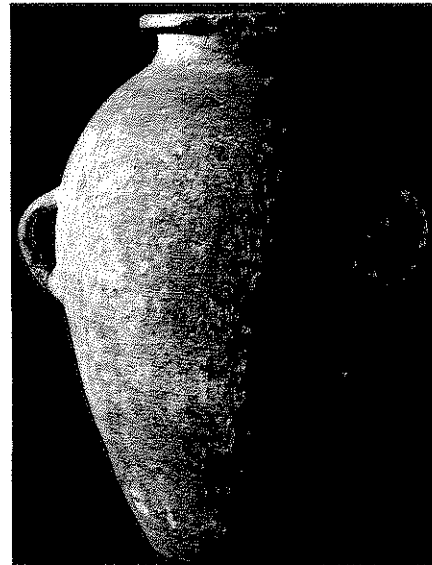
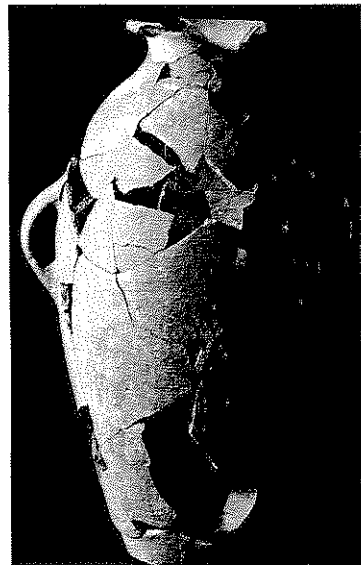
EGYPT: COMBED WARE JARS (TYPE 1) FROM ABUSIR



[72] Reg. 86-4/HH/2000



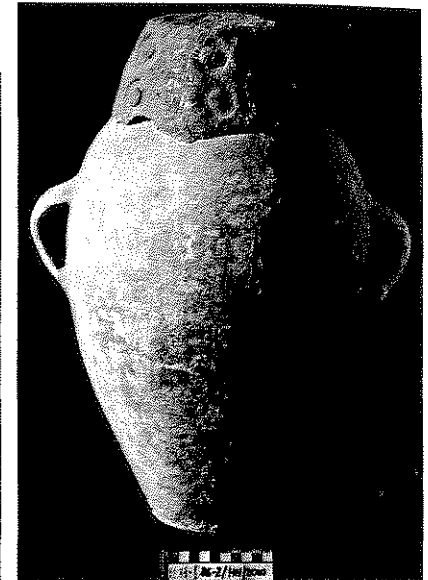
[73] Reg. 86-1/HH/2000



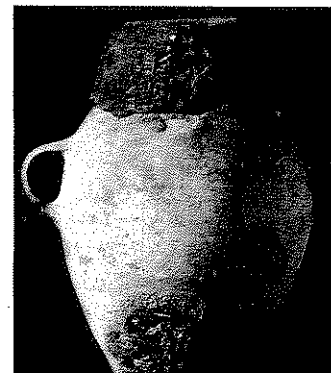
EGYPT: COMBED WARE JARS (TYPE 1) FROM ABUSIR

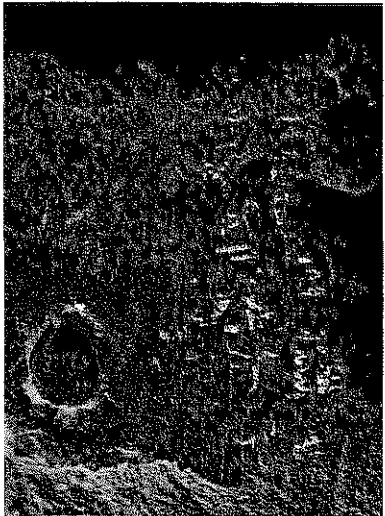


[76] Reg. 86-6/HH/2000



[77] Reg. 86-2/HH/2000

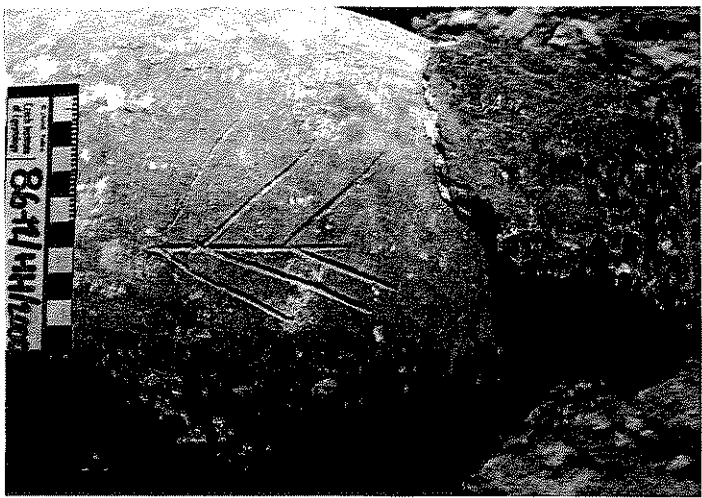




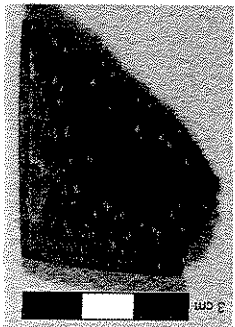
(a) Detail showing mud cap and seal



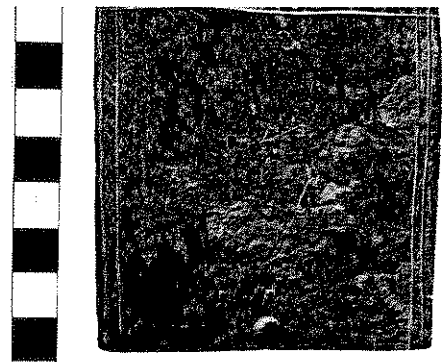
(b) Vessels from Shaft B *in situ*, [73] on far right



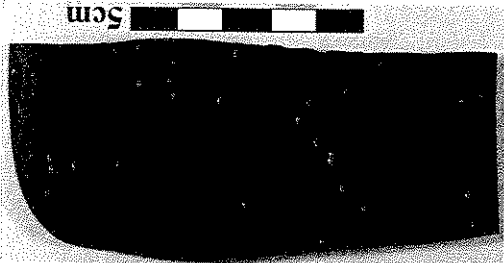
[79] Reg. 86-12/HH/2000 detail



[109] Numeira 2844



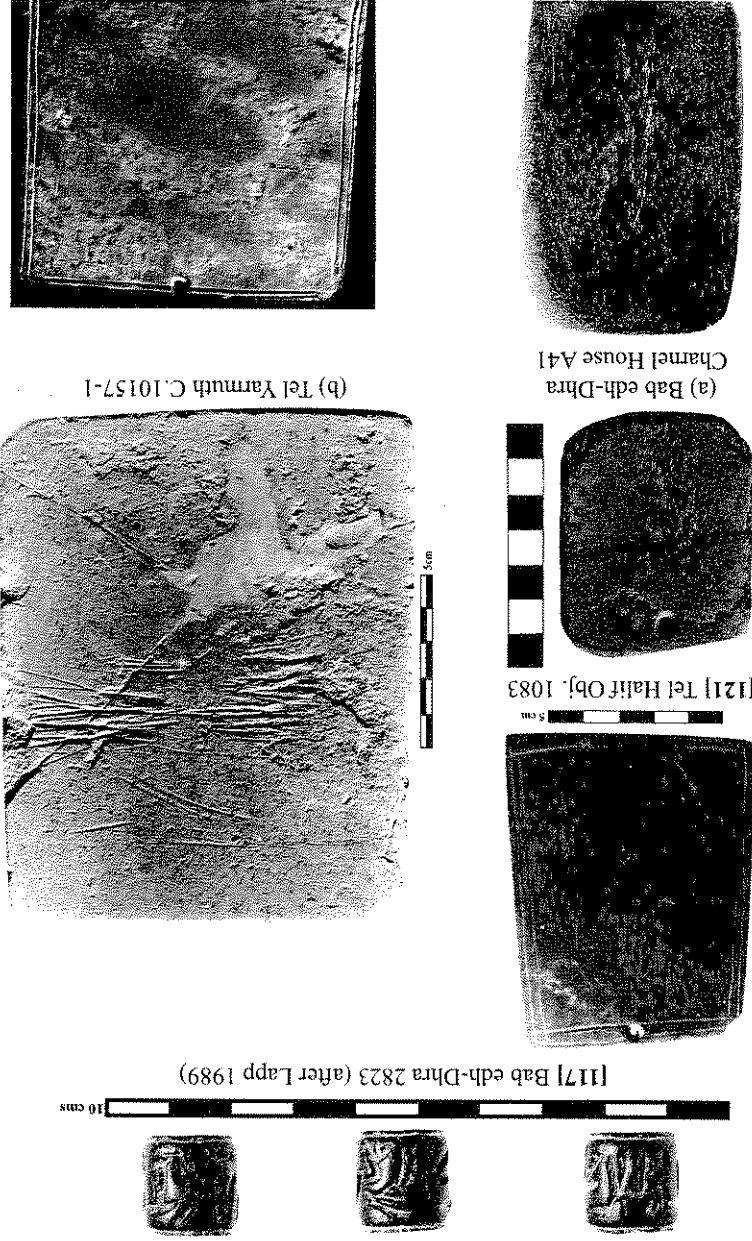
[112] Bab edh-Dhra 2924



[111] Bab edh-Dhra 1262



CANAAN: EGYPTIAN OBJECTS



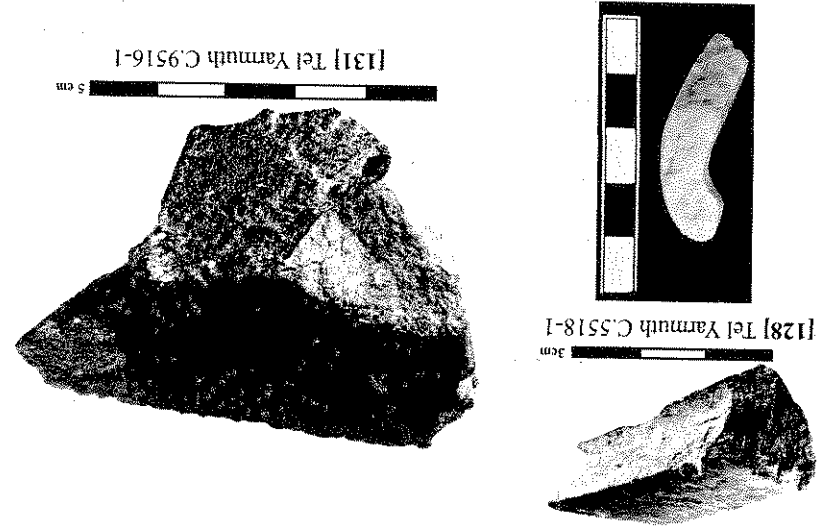
[117] Bab edh-Dhra 2823 (after Lapp 1989)

[121] Tel Halif Obj. 1083

(b) Tel Yarmuth C.10157-1

(a) Bab edh-Dhra Channel House A41

(a) Amulets from Megiddo (after Finkelstein et al. 2000)



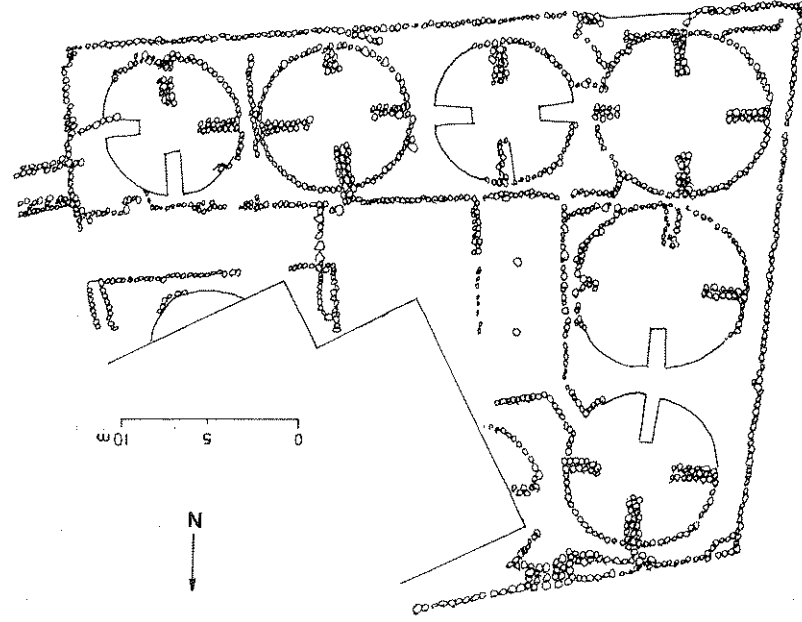
[128] Tel Yarmuth C.5518-1

[131] Tel Yarmuth C.9516-1

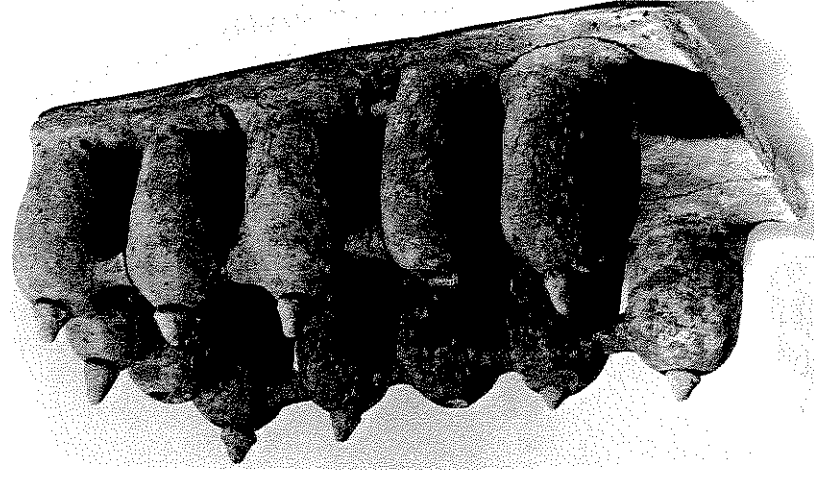
[132] Tel Yarmuth C.10073-1

CANAAN: EGYPTIAN OBJECTS

CANAAN: ARCHITECTURE

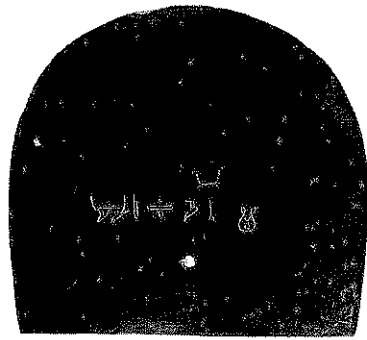


(a) The Beth Yerah granary (after Currid 1986)

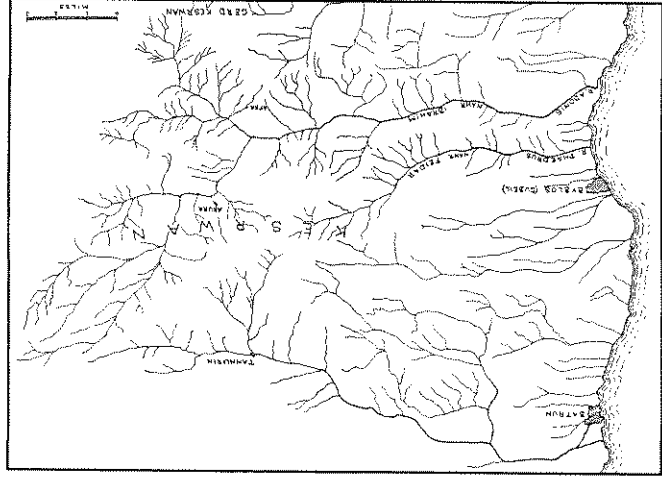
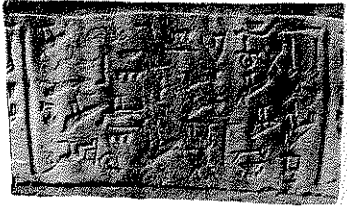


NORTHERN LEVANT: EGYPTIAN OBJECTS AND ELEMENTS

(a) Copper axe head from the mouth of the Adonis River (after Rowe 1936)



(b) Cylinder seal impression (after Montet 1928)



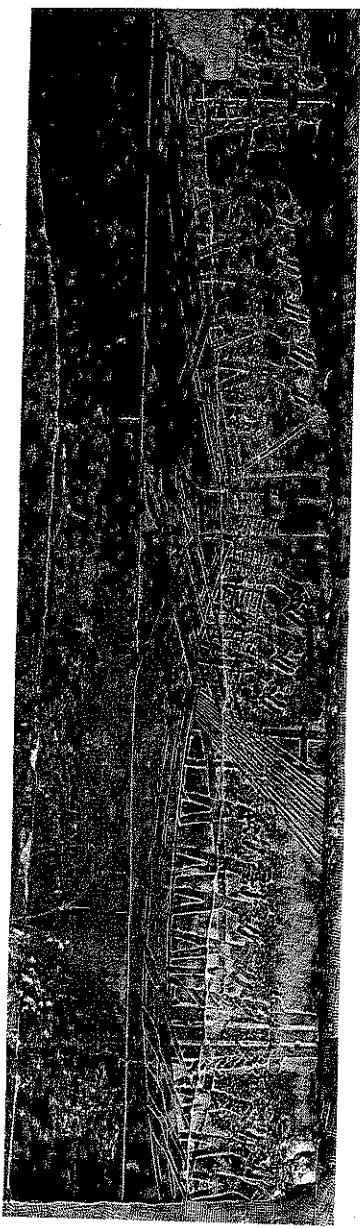
(c) Map of the Byblos region (after Wainwright 1934)





THE ROYAL BOAT OF KING KHUFU

PLATE 18



FOREIGNERS DEPICTED ON A RELIEF FROM THE UNAS CAUSEWAY

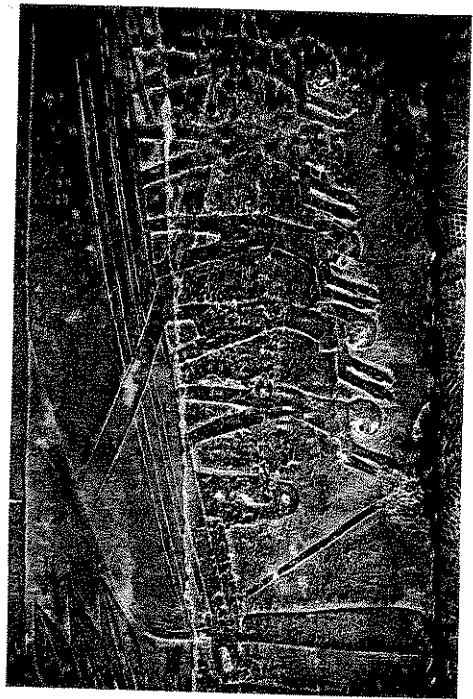


PLATE 19