



Durham E-Theses

Form and function of central Italian medieval glass in the light of finds from the Benedictine Abbey of Farfa and the palazzo Vitelleschi at Tarquinia

Newby, Martine Sarah

How to cite:

Newby, Martine Sarah (1999) *Form and function of central Italian medieval glass in the light of finds from the Benedictine Abbey of Farfa and the palazzo Vitelleschi at Tarquinia*, Durham theses, Durham University. Available at Durham E-Theses Online: <http://etheses.dur.ac.uk/4600/>

Use policy

The full-text may be used and/or reproduced, and given to third parties in any format or medium, without prior permission or charge, for personal research or study, educational, or not-for-profit purposes provided that:

- a full bibliographic reference is made to the original source
- a [link](#) is made to the metadata record in Durham E-Theses
- the full-text is not changed in any way

The full-text must not be sold in any format or medium without the formal permission of the copyright holders.

Please consult the [full Durham E-Theses policy](#) for further details.

**Form and Function of Central Italian Medieval Glass
in the Light of Finds from the Benedictine Abbey of Farfa
and the Palazzo Vitelleschi at Tarquinia**

Volume II (of II)

Martine Sarah Newby

The copyright of this thesis rests with the author. No quotation from it should be published without the written consent of the author and information derived from it should be acknowledged.

MPhil. Thesis
Submitted to the University of Durham
Department of Archaeology

March 1999



- 2 NOV 1999

TABLE OF CONTENTS

VOLUME II

Appendices

A. Catalogue of Vessel Glass

Drinking Vessels	1
Goblets [1-5]	1
Prunted Beakers	2
Prunted Beakers with Solid Base-Rings [6-32]	2
Prunted Beakers with Applied 'Toed' Base-Rings [33-56]	6
Prunted Beakers with Triangular Clusters of Prunts [57-8]	10
Beakers with Prunts in Contrasting Colours [59-60]	10
Double Prunts [61]	10
Beakers with Applied Decoration	11
Ribbed Beakers with 'Toed' Base-Rings [62-8]	11
Beakers with Applied Trailing [69-76]	12
Plain Beakers	12
Beakers with Applied Solid Base-Rings [77-83]	14
Beakers with Hollow-Tubular Base-Rings [84-90]	15
Truncated-Conical Beakers [91-6]	16
Mould-Blown Beakers	16
Beakers with Circular Bosses [97-111]	17
Beakers with Ribbing [112-27]	19
Beakers with Hexagons [128-33]	22
Beakers with Diamonds or Pointed Ovals [134-40]	23
Beakers with Squares or Rectangles [141-4]	24
Beakers with Other Mould-Blown Designs [145-6]	25
Bottles	26
Free-Blown	26
Bottles with Neck Bulges or Swellings [147-50]	26
Bottle Necks with Blue and Self-Coloured Trailing [151-2]	26
Bottle Necks with Blue Trailing [153-61]	27
Bottle Necks with Self-Coloured Trailing [162-6]	28
Bottles with Pincer Ribbed Bodies [167-9]	29
Undecorated Upper Body Fragments [170-2]	30
Internal Hollow-Tubular Strengthening Rings [173-5]	30
Bottle Bases with Hollow-Tubular Base-Rings [176-85]	31
Bottles with Gilt Decoration [186]	32
Coloured Bottles [187]	32
Kuttrolf [188]	32
Mould-Blown	33
Bottles with Vertical Ribbing [189-96]	33
Bottles with Spiral Ribbing [197-9]	34
Base Fragments from Ribbed Flasks [200-2]	35

A. Catalogue of Vessel Glass	
Finewares	36
Handled Vessels	36
Free-Blown Jugs [203-7]	36
Mould-Blown Jugs [208-12]	37
Handles [213-19]	37
Spouts [220-1]	39
Wide-Mouthed Vessels	40
Footed Bowls [222-7]	40
Bowls with Pincered 'Toed' Base-Rings [228-9]	41
Bowls with Hollow-Tubular Base-Rings [230-1]	41
Bowls Decorated with Applied Prunts [232]	42
Bowls Decorated with Applied Ribs [233-8]	42
Deep Containers [239]	43
Rim Fragments [240-4]	43
Covered Vessels	44
Undecorated Covered Jars [245-51]	45
Decorated Covered Jars [252-4]	46
Sprinklers [255-6]	48
Imported Glass	49
Wheel-Cut and Engraved Islamic Glass [257-9]	49
Byzantine Gilt and Enamelled Glass [260]	49
Byzantine Wheel-Cut Glass [261]	50
Utilitarian Glass	51
Bottles	51
Flattened Bottles [262-6]	51
Large Bottles [267-84]	51
Medium-Sized Bottles [285-96]	54
Pushed-in Bottle Bases [297-316]	56
Rounded Bottoms from Bottles or Urinals [317-32]	58
Small Bottles [333-55]	60
Alembics [356]	63
Urinals	64
Wide Flaring Mouths [357-60]	64
Hollow-Tubular Mouths [361-2]	64
Hanging Lamps [363-70]	65
B. Truncated-Conical Beakers from the Palazzo Vitelleschi, Tarquinia	67
C. List of Identified Coins from the Palazzo Vitelleschi, Tarquinia	82
D. Table of the Types, Characteristics and Prices of Glass Vessels Produced in Bologna in 1389	85
E. Inventory of the Glass-House of Ottaviano del fu Venturino in a Veronese Contract of 15 March, 1409	86
F. Inventory of the Goods of the Glass-Maker, Bernardo de Carpenis, in Mantua in 1424	87
List of Figures	88
Figures 1-94	

APPENDIX A: CATALOGUE OF VESSEL GLASS

DRINKING VESSELS: GOBLETS

- 1 **Fragment from the bowl of a goblet (Fig. 7.1)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 72 mm; max. diam. 44 mm
Transparent green glass containing small bubbles. Fragment of a tall slender bowl with vertical sides and rounded, slightly thickened bottom, set on a cushion knob at the top of the now missing stem. The sides of the bowl decorated with three applied thick vertical trails in the same glass.
Published: Whitehouse 1987, 326, no. 19, fig. 4.19

- 2 **Fragment of a goblet stem (Fig. 7.2)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Height (surv.) 70 mm
Transparent greenish-colourless glass contains blowing spirals. Fragment from a long hollow stem of a goblet with a solid knob at the base of the bowl and thickening at the junction with the flaring, conical foot.

- 3 **Fragment from the stem of a goblet**
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Height (surv.) 32 mm
Transparent pale yellowish-green glass. Fragment from the middle of a solid cylindrical stem with a knob in the centre dividing a plain section from a twisted section. It is not clear which way up this fragment should be.

- 4 **Fragment from the lower part of a stem from a goblet (Fig. 7.4)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 228
Height (surv.) 27 mm
Transparent pale green glass. Fragment from the lower part of a thin solid stem where it splays out at the junction with the high conical foot with a pontil mark on the underside.
Published: Baumgartner and Krüger 1988, 46, fig. 45

- 5 **Base fragment possibly from a long-stemmed goblet (Fig. 7.5)**
Palazzo Vitelleschi, Tarquinia: pit 410, context 424
Base diam. 122 mm
Colourless glass. Two joining fragments making up a third of a wide conical base with a rounded edge, possibly from a long-stemmed goblet.



DRINKING VESSELS: PRUNTED BEAKERS

Prunted Beakers with Solid Base-Rings

- 6 **Reconstructible beaker with three rows of prunts** (Figs 8.6 and 9b)
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Height 71 mm; rim diam. 70 mm; base diam. 60 mm
Transparent very pale sepia glass. Five fragments forming about half of the body from a prunted beaker with a squat cylindrical body, a plain, upright rounded rim and decorated with an applied horizontal trail above three horizontal rows of rounded conical prunts, arranged in quincunx. Pushed-in bottom (centre missing) with an applied solid base-ring that is distorted.
Published: Baumgartner and Krüger 1988, 44, fig. 43

- 7 **Reconstructible beaker with three rows of prunts** (Fig. 9b)
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Height 69 mm; rim diam. 70 mm; base diam. 60 mm
Transparent yellowish-green glass. Four fragments forming about half of the body and most of the base from a beaker of similar form to no. 6.
Published: Whitehouse 1987, 325, no. 6, fig. 3.6; *idem* 1991a, 76-7, fig. 7.5

- 8 **Reconstructible beaker with three rows of prunts**
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Height 70 mm; rim diam. 70 mm; base diam. 60 mm
Transparent pale green glass. Five fragments making rather less than half of the rim and most of the base from a beaker similar to no. 6.
Published: Baumgartner and Krüger 1988, 44, fig. 43

- 9 **Upper body from a prunted beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 243
Rim diam. 70 mm
Pale sepia-coloured glass containing many bubbles. Six small fragments forming a third of the rim from a prunted beaker with an applied horizontal trail and two extant rows of prunts below. Probably from a vessel similar to no. 6.

- 10 **Lower part of a prunted beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 243
Base diam. 60 mm
Transparent light greenish-sepia glass. Lower part of a prunted beaker with cylindrical walls and with three rows of rounded conical prunts extant. Probably from a prunted beaker with three rows of prunts like nos 6-8 above.

- 11 **Beaker base with solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7, 242 and 243
Base diam. 50 mm
Transparent light greenish-sepia glass. Fragment forming about two-thirds of the pushed-in bottom from a beaker with an applied solid base-ring. Probably from a prunted beaker similar to nos 6-10 above.

DRINKING VESSELS: PRUNTED BEAKERS

Printed Beakers with Solid Base-Rings (continued)

- 12 **Beaker base with applied solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 55 mm
Transparent light green glass. Almost complete bottom from a beaker, presumably pruned, with a pushed-in base and a thick applied solid base-ring.
- 13 **Beaker base with applied solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 60 mm
Transparent light yellowish-green glass. Complete pushed-in base from a beaker with an applied solid base-ring. Probably from the same form of pruned beaker as nos 6-8.
- 14 **Part of a beaker base with applied solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Base diam. 65 mm
Transparent light yellow glass. Fragment from half of a pushed-in base from a beaker with an applied solid base-ring. As above.
- 15 **Reconstructible beaker with three rows of large prunts (Figs 8.15 and 12a)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Height 74 mm; rim diam. 70 mm; base diam. 60 mm
Transparent pale pinkish-yellow glass containing purple streaks caused by an ill-mixed batch. Beaker with a cup-shaped mouth and rounded rim on a cylindrical body decorated below a self-coloured horizontal trail with three rows of large flattened prunts with pointed pulled centres, arranged in quincunx. Pushed-in bottom with a kick and pontil-mark and with an applied solid base-ring.
Published: Whitehouse 1987, 325, no. 7, fig. 3.7; *idem* 1991a, 76-7, fig. 7.6
- 16 **Lower part of a beaker with large prunts (Fig. 8.16)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Height (surv.) 31 mm; base diam. 70 mm
Transparent light greenish-yellow bubbly glass. Fragment from the lower part of a barrel-walled beaker decorated with two extant large flattened prunts with pulled central points and an applied solid base-ring. Centre of bottom missing. Possibly a large version of no. 15 above.
- 17 **Reconstructible beaker with four rows of prunts (Figs 8.17 and 10a)**
Farfa Abbey: area A2, context 1177, period 11
Height 70 mm; rim diam. 60 mm
Yellow-green colourless seeded glass. Cylindrical beaker with a thickened and fire-rounded rim, 20 mm below an applied horizontal trail above a zone of applied rounded conical prunts arranged in quincunx in four horizontal rows, pushed-in base with a gentle kick and a pontil mark underneath, applied solid base-ring.
Published: Newby 1987, 263, figs 6b and 7b; *idem* 1991, 39, figs 5d, 8; Whitehouse 1991a, 76, fig. 6

DRINKING VESSELS: PRUNTED BEAKERS

Printed Beakers with Solid Base-Rings (continued)

- 18 **Reconstructible beaker with four rows of prunts** (Fig. 10b)
Farfa Abbey: area A2, contexts belonging to period 11
Height 74 mm; rim diam. 62 mm
Transparent yellowish-colourless seeded glass. Printed beaker with four rows of applied rounded conical prunts as for no. 17.
Published: Newby 1987, 263, figs 6a and 7a; *idem* 1991, 39, fig. 5e; Whitehouse 1991a, 76, fig. 6
- 19 **Upper body fragments from a printed beaker** (Fig. 11.19)
Farfa Abbey: area A2, contexts 856, 1116, 1139, 1177 and 1368, period 11
Rim diam. 70 mm
Colourless glass with a greenish tinge. Seven fragments from the rim and upper body of a printed beaker of similar form to nos 17-18 above.
- 20 **Rim, body and base fragments from a printed beaker** (Fig. 11.20)
Farfa Abbey: area A2, contexts 227 and 849, period 11
Rim diam. 65 mm; base diam. 60 mm
Yellowish-colourless glass. Four fragments from a cylindrical printed beaker of similar form to nos 17-18.
- 21 **Lower body fragment from a printed beaker**
Farfa Abbey: area A2, context 1368, period 11
Base diam. 60 mm
Pale greenish-colourless seeded glass. Base and lower body fragment from a printed beaker with cylindrical walls decorated with three extant rounded conical prunts, the pushed-in base with kick and an applied solid base-ring. From a beaker similar to nos 17-18.
- 22 **Solid base-ring fragment**
Farfa Abbey: area A2, context 1396, period 11
Base diam. 60 mm
Light sepia-colourless glass; some seeding. Part of a pushed-in base with an applied solid base-ring, probably from a printed beaker like nos 17-18.
- 23 **Beaker base fragment with applied solid base-ring**
Farfa Abbey: area A2, context 1161, period 11
Base diam. 70 mm
Transparent light green seeded glass. Base fragment with an applied double spiral base-ring at the point where the coil overlaps. Possibly from a printed beaker.
- 24 **Beaker base fragment with applied solid base-ring**
Farfa Abbey: area A2, context 1136, period 11
Base diam. 75 mm
Yellowish-green colourless seeded glass. Fragment of a pushed-in base with a faint pontil mark on the underside, with an applied solid base-ring.

DRINKING VESSELS: PRUNTED BEAKERS

Prunted Beakers with Solid Base-Rings (continued)

- 25 **Large pruned beaker with six rows of prunts** (Figs 8.25 and 12b)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 243
Height 107 mm; rim diam. 88 mm; base diam. 78 mm
Transparent pale yellowish bubbly glass. Ten fragments making a third of the rim and half of the body from a large cylindrical beaker with a slightly flaring mouth and decorated with six rows of snail-like prunts, arranged in quincunx, below an applied horizontal trail. Pushed-in base with an applied solid base-ring and a pontil-mark underneath.
Published: Whitehouse 1987, 325, no. 8, fig. 3.8; *idem* 1991a, 76-7, fig. 7.7
- 26 **Fragments from the upper part of a large pruned beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 199, 236/7, 242 and 243
Rim diam. 90 mm
Transparent light green bubbly glass. Many fragments making up a third of the body and a small part of the rim from a beaker with six rows of snail-like prunts as no. 25 above.
Published: Baumgartner and Krüger 1988, 44, fig. 43
- 27 **Upper body from a large pruned beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Rim diam. 100 mm
Greenish colourless glass. Two joining fragments from the upper part of a pruned beaker with a flaring mouth and straight nearly vertical walls decorated below an applied horizontal trail with one extant row of rounded conical prunts.
- 28 **Beaker base with applied solid-base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 75 mm
Transparent pale yellow glass. Fragment forming almost all of a pushed-in base with an applied solid base-ring, possibly from a vessel similar to no. 25 above.
- 29 **Large beaker base with applied solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 82 mm
Greenish-colourless glass. Four fragments forming almost a complete pushed-in base from a large beaker with an applied solid base-ring. Possibly from a beaker similar to nos 25 and 26.
- 30 **Body fragments from a large pruned beaker** (Figs 11.30 and 18.30)
Farfa Abbey: area A2, context 1177, period 11
Body diam. *c.* 90 mm
Pale greenish-colourless glass. Ten fragments from a vessel, presumably a beaker, with a wide cylindrical body and decorated with large applied snail-like prunts.
Published: Newby 1991, 39, fig. 5f

DRINKING VESSELS: PRUNTED BEAKERS

Prunted Beakers with Solid Base-Rings (continued)

- 31 **Large solid base-ring fragment**
Farfa Abbey: area A2, context 1368, period 11
Base diam. 90 mm
Yellowish-green colourless glass; seeded. Base fragment with an applied solid base-ring. Possibly from the same vessel as no. 30.
- 32 **Large solid base-ring fragment (Fig. 18.32)**
Farfa Abbey: area A2, context 1126, period 11
Base diam. 100 mm
Light sepia-colourless glass containing a few bubbles. Base fragment with an applied solid base ring. Possibly from the same or a similar vessel as no. 30.

Prunted Beakers with Applied 'Toed' Base-Rings

- 33 **Reconstructible beaker with 4 rows of prunts (Figs 14.33 and 15a)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height 80 mm; rim diam. 60 mm
Transparent pale green glass. Prunted beaker with a plain rounded rim on straight walls tapering towards the pushed in base with an applied 'toed' base-ring. The walls decorated below an applied horizontal trails with four rows of snail-like prunts arranged in quincunx.
- 34 **Reconstructible beaker with 5 rows of prunts (Figs 14.34 and 16a)**
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 242
Height 130 mm; rim diam. 70 mm; base diam. 42 mm
Transparent pale green glass. Prunted beaker with a flaring mouth and rounded rim on a body with straight walls tapering inwards towards the pushed-in base with a conical kick and an applied 'toed' base-ring. The body decorated below an applied horizontal trail with five rows of snail-like prunts.
Published: Whitehouse 1987, 325, no. 9, fig. 3.9; *idem.* 1991a, 76-7, fig. 7.8
- 35 **Prunted beaker with 5 rows of prunts (Figs 14.36 and 15b)**
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 199 and 236/7
Height (surv.) 120 mm; base diam. 47 mm
Transparent light green glass. Prunted beaker with a flaring mouth (rim missing) and a tapering body decorated with five rows of elongated pulled prunts arranged in quincunx below an applied horizontal trail. The pushed-in base with a high kick and an applied 'toed' base-ring.
Published: Whitehouse 1987, 325, no. 10, fig. 3.10; Baumgartner and Krüger 1988, 43, fig. 44; Whitehouse 1991a, 76-7, fig. 7.9
- 36 **Upper body fragments from a prunted beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Rim diam. 66 mm
Transparent pale yellowish-green glass containing some small bubbles. Two joining fragments forming over half of the mouth and part of the body from a

DRINKING VESSELS: PRUNTED BEAKERS

Printed Beakers with Applied 'Toed' Base-Rings (continued)

beaker with a tall flaring mouth with a rounded rim. Decorated below an applied horizontal trail with one extant row of snail-like prunts. Probably from a vessel similar to no. 34 above.

37 **Upper body fragments from a pruned beaker**

Palazzo Vitelleschi, Tarquinia: pit 181, context 243

Rim diam. 68 mm

Transparent pale yellowish-green glass. Five fragments forming over half of the flaring mouth and part of the body from a pruned beaker decorated with three extant rows of rounded conical prunts below a horizontal trail. Probably from a vessel similar to no. 34 above.

38 **Upper body fragments from a pruned beaker**

Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7

Rim diam. 70 mm

Transparent pale yellowish-green glass. Four joining fragments from the upper part of a pruned beaker as for nos 36-7 above, with one extant row of slightly flattened irregular prunts.

39 **Upper body fragments from a pruned beaker**

Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7, 242 and 243

Rim diam. 70 mm

Transparent pale yellowish glass. Upper body fragment from a medium-sized pruned beaker with a flaring mouth with a rounded rim and straight tapering walls decorated below an applied horizontal trail with three extant rows of rounded conical prunts, as for no. 34 above.

40 **Upper body fragments from a pruned beaker**

Palazzo Vitelleschi, Tarquinia: pit 181, context 243

Rim diam. 70 mm

Greenish colourless glass. Three joining upper body fragments from a pruned beaker similar to no. 34 above with three rows of rounded conical prunts extant below an applied horizontal trail.

41 **Upper body fragment from a pruned beaker**

Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7

Rim diam. 70 mm

Transparent light yellowish-green glass. Upper body fragment with an applied horizontal trail and three prunts from a pruned beaker as for no. 34 above.

42 **Upper body fragment from a pruned beaker**

Palazzo Vitelleschi, Tarquinia: pit 181, context 243

Rim diam. 80 mm

Sepia colourless glass. Three fragments making up a small part of the rounded rim and upper body from a pruned beaker with straight tapering walls decorated with an applied horizontal trail and four extant rows of snail-like prunts.

DRINKING VESSELS: PRUNTED BEAKERS

Prunted Beakers with Applied 'Toed' Base-Rings (continued)

- 43 **Body fragment from a pruned beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Rim diam. 80+ mm
Pale yellowish-colourless glass. Upper body fragment from a pruned beaker with straight tapering walls decorated with an applied horizontal trail and three rows of rounded conical prunts extant.
- 44 **Small 'toed' beaker base (Fig. 17a)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 44 mm
Transparent light yellowish-green glass. Complete pushed-in bottom from a beaker, probably pruned, with an applied base-ring tooled and pincerd to form a total of ten 'toes' on which the vessel stands.
- 45 **Almost complete small 'toed' beaker base (Fig. 17b)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Base diam. 40 mm
Yellowish colourless glass; seeded. Almost complete 'toed' beaker base probably from a pruned beaker like no. 44 above, with ten out of thirteen or fourteen 'toes' extant.
- 46 **Fragment from a small 'toed' beaker base**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 43 mm
Transparent light yellowish-green glass. Fragment forming half of a pushed-in beaker base with an applied 'toed' base-ring similar to no. 44 above.
- 47 **Lower body from a pruned beaker (Fig. 18.47)**
Palazzo Altemps, Rome, no. 219
Height (surv.) 63 mm; base diam. 48 mm
Transparent light green glass. Lower part of a pruned beaker with straight almost vertical walls decorated with four extant rows of snail-like prunts arranged in quincunx, the bottom pushed-in with a kick and an applied 'toed' base-ring.
- 48 **'Toed' base fragment from a beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Base diam. 50 mm
Yellowish colourless glass. Two joining fragments forming two-thirds of a pushed-in base presumably from a pruned beaker like no. 46 with an applied and pincerd 'toed' base-ring.
- 49 **Fragments from a 'toed' beaker base**
Farfa Abbey: area A2, contexts 212, 503 and 1134, period 11
Base diam. 55 mm

DRINKING VESSELS: PRUNTED BEAKERS

Printed Beakers with Applied 'Toed' Base-Rings (continued)

Greenish-colourless glass, some seeding. Three joining fragments forming half of a pushed-in beaker base with a conical kick (centre missing) and an applied and pincer'd 'toed' base ring with seven 'toes' extant.

- 50 **Body fragments from a large pruned beaker** (Fig. 14.50)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Height (surv.) 83 mm
Sepia colourless glass. Six fragments, four of which join, from the body of a large pruned beaker with straight tapering walls decorated below an applied horizontal trail with three rows of large pointed prunts.
- 51 **Upper body from a large pruned beaker** (Fig. 16b)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7, 242 and 243
Rim diam. 85 mm
Transparent pale green glass. Many fragments making up three-quarters of the rim and a third of the body from a tall pruned beaker with a flaring mouth with a rounded rim and a barrel-shaped body decorated with five extant rows of large flattened prunts.
Published: Baumgartner and Krüger 1988, 46, fig. 45
- 52 **Body fragments from a large pruned beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Transparent light yellowish-green glass. Fragments forming two-thirds of the body from a tapering pruned beaker, the wall decorated below an applied horizontal trail with seven rows of rounded conical prunts arranged in quincunx.
- 53 **Lower part of a large pruned beaker** (Figs 14.53 and 16b)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 199 and 236/7
Height (surv.) 165 mm; base diam. 70 mm
Transparent light greenish-yellow glass, seeded. Lower two-thirds from a pruned beaker with a conical body tapering inwards towards the pushed-in base with an applied 'toed' base-ring. The body decorated below a horizontal trail with at least five rows of large pointed prunts.
Published: Whitehouse 1987, 326, no. 11, fig. 3.11; *idem* 1991a, 76-7, fig. 7.10
- 54 **Fragment from a large 'toed' beaker base**
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Base diam. 80 mm
Transparent pale bluish-green glass. Fragment from a pushed-in beaker base with an applied 'toed' base-ring.
- 55 **Fragment from a large 'toed' beaker base** (Fig. 18.55)
Farfa Abbey: area A2, context 503, period 11
Base diam. 80 mm
Yellowish-green colourless seeded glass. Small part from a large pushed-in base with an applied 'toed' base-ring with two extant 'toes'.

DRINKING VESSELS: PRUNTED BEAKERS

Printed Beakers with Applied 'Toed' Base-Rings (continued)

- 56 **Fragment from a large 'toed' beaker base** (Fig. 18.56)
Farfa Abbey: area A2, context 1368, period 11
Base diam. 90 mm
Pale greenish-colourless glass with small bubbles. Fragment from a large pushed-in beaker base with an applied and pulled 'toed' base-ring with three 'toes' extant.

Printed Beaker with Triangular Clusters of Prunts

- 57 **Squat beaker decorated with small prunts** (Figs 8.57 and 13a)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 229 and 235
Height 44 mm; rim diam. 78 mm; base diam. 66 mm
Transparent very pale green glass. Reconstructible squat beaker with cylindrical walls and rounded rim, decorated on the body below an applied horizontal trail (the ends of which overlaps) with three triangular clusters of very small rounded prunts. Bottom pushed-in with a gentle kick and pontil-mark underneath and with a thin applied solid base-ring around the edge.
Published: Whitehouse 1987, 325, no. 5, fig. 3.5; Baumgartner and Krüger 1988, 45, fig. 43
- 58 **Upper part of a printed vessel** (Figs 8.58 and 13b)
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Height (surv.) 57 mm; rim diam. 80 mm
Sepia colourless glass. Three joining fragments forming over half of the upper part of a straight walled vessel with a rounded rim and decorated with a triangular cluster of three very small rounded prunts as for no. 57 above.

Beakers with Prunts in Contrasting Colours

- 59 **Fragment with blue prunt** (Figs 11.59 and 18.59)
Farfa Abbey: area A2, context 1368, period 11
Yellowish-colourless seeded glass. Body fragment from a printed beaker, decorated with a single dark blue applied rounded prunt.
Published: Newby 1991, 39
- 60 **Fragment with blue-tipped prunt** (Figs 11.60 and 18.60)
Farfa Abbey: area A2, context 1336, period 11
Translucent milky colourless glass. Body fragment with part of a small rounded prunt with a blue tip.
Published: Newby 1991, 39

Double Prunts

- 61 **Double prunts** (Fig. 18.61)
Farfa Abbey: area A2, contexts 227, 832 and 1336, period 11
Pale greenish-colourless glass. Four fragments each with a large snail-like applied prunt on the outside and a second, pulled prunt containing a large bubble on the interior.

DRINKING VESSELS: BEAKERS WITH APPLIED DECORATION

Ribbed Beakers with 'Toed' Base-Rings

- 62 **Reconstructible ribbed beaker on a 'toed' base** (Figs 18.62 and 19b)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Height 87 mm; rim diam. 75 mm; base diam. 58 mm
Transparent pale green glass. Five fragments making up a third of a beaker with straight walls tapering towards the pushed-in bottom (centre missing) with an applied and pincerd 'toed' base-ring. The wall decorated with prominent vertical ribs running from *c.* 19 mm below the rounded rim to the bottom.
Published: Baumgartner and Krüger 1988, 46, fig. 45
- 63 **Reconstructible ribbed beaker on a 'toed' base** (Fig. 18.63)
Palazzo Vitelleschi, Tarquinia: pit 9, context 29
Height 87 mm; rim diam. 79 mm; base diam. 44 mm
Transparent greenish colourless glass containing many bubbles. Five joining fragments from a beaker with straight sides tapering towards the bottom and decorated with prominent squat vertical ribs starting *c.* 20 mm below the rim, base pushed-in to form a low conical kick with a pontil mark, applied base-ring pincerd to form a series of protuberances.
Published: Whitehouse 1987, 326, no. 12, fig. 3.12
- 64 **Ribbed beaker on a 'toed' base**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height 95 mm; rim diam. 80 mm; base diam. 52 mm
Transparent pale brownish-green glass containing many bubbles. Beaker repaired from many fragments as for no. 63 above, with the vertical ribs starting *c.* 24 mm below the rim.
Published: Baumgartner and Krüger 1988, 45, fig. 44
- 65 **Lower body from a ribbed beaker on a 'toed' base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Height (surv.) 30 mm; base diam. 45 mm
Transparent yellowish glass. Fragment from the wall and base of a ribbed beaker on a 'toed' base-ring like no. 62 above.
- 66 **Lower body from a ribbed beaker on a 'toed' base-ring** (Fig. 18.66)
Farfa Abbey: area A2, context 1336, period 11
Base diam. 45 mm
Yellowish-green colourless glass containing tiny bubbles. Pushed-in bottom of a beaker with a high kick and a pontil-mark underneath; applied 'toed' base-ring with thirteen 'toes' extant. The body decorated with optic-blown vertical ribbing that continue on the underside of the base.
- 67 **Base fragment from a ribbed beaker with a toed base-ring** (Fig. 18.67)
Farfa Abbey: area A2, context 503, period 11
Base diam. 65 mm

DRINKING VESSELS: BEAKER WITH APPLIED DECORATION

Ribbed Beakers with 'Toed' Base-Rings (continued)

Transparent yellowish-green glass with small bubbles. Fragment forming about 15% of the pushed-in bottom of a beaker with vertical ribs and an applied 'toed' base-ring of which three 'toes' are extant.

68 **Lower body of a ribbed beaker** (Fig. 18.68)

Farfa Abbey: area A2, context 380, period 11

Base diam. c. 60 mm

Transparent yellowish-colourless glass. Fragment from the lower part of a beaker decorated with applied ribs trailed diagonally on the body and thickening towards the bottom where they were pincered out to form 'toes' on which the vessel stands.

Beakers with Applied Trailing

69 **Lower part of a beaker with spiral trailing** (Figs 19a and 20.69)

Palazzo Vitelleschi, Tarquinia: pit 410, context 424

Height (surv.) 33 mm; base diam. 60 mm

Very pale greyish-green colourless glass. Six small fragments from the lower part of a beaker with straight, almost vertical walls and a pushed-in base with an applied 'toed' base-ring. Decorated with a thin, delicate trail applied spirally around the body.

Published: Baumgartner and Krüger 1988, 46, fig. 45

70 **Upper body fragment with spiral trailing**

Palazzo Vitelleschi, Tarquinia: pit 410, context 422

Height (surv.) 45 mm; rim diam. 105 mm

Transparent bluish-green glass. Upper body fragment with a flaring rim, decorated c. 20 mm below with applied spiral trailing.

71 **Wall profile of beaker with abstract trailing** (Figs 20.71 and 21a)

Palazzo Vitelleschi, Tarquinia: pit 410, context 424

Height 58 mm; rim diam. 95 mm; base diam. 80 mm

Pale greenish-colourless glass. Fragments forming the wall profile of a squat beaker with a flaring mouth and a cylindrical body with a pushed-in base (centre missing) and an applied and pincered 'toed' base-ring on which the vessel stands. The body decorated c. 23 mm below the rim with a thin applied horizontal trail with thicker trailing arranged vertically and in loops in an indeterminable pattern. It is possible that there are two different vessels present among these sherds.

72 **Body fragment from a beaker with abstract trailing**

Palazzo Vitelleschi, Tarquinia: pit 181, context 228

Transparent colourless glass. Fragment from a straight walled beaker, the side tapering towards the bottom, at top of fragment an applied horizontal trail, below applied curving motif, applied horizontal trail with pincered protrusions. From a similar vessel as no. 71.

DRINKING VESSELS: BEAKERS WITH APPLIED DECORATION

Beakers with Applied Trailing (continued)

- 73 **Lower body from a beaker with abstract trailing** (Fig. 21b)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 40 mm; base diam. 75 mm
Greenish-colourless glass. Eight fragments making up most of the base and part of the side from a free-blown beaker with slightly concave sides, tapering towards the pushed-in bottom with an applied and pincerd 'toed' base-ring. The body decorated with thin trailing, arranged in an indeterminable pattern.
Published: Baumgartner and Krüger 1988, 46, fig. 45
- 74 **Lower body of beaker or bowl with applied trailing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Height (surv.) 28 mm; base diam. 62 mm
Greenish-colourless glass. Lower body of a beaker or small bowl with straight flaring walls, pushed-in base with a conical kick, on an applied solid base-ring pincerd out to form small 'toes'. The lower walls decorated with an indeterminable pattern of loose trailing in the same metal.
- 75 **Upper body from a beaker with applied trailing** (Fig. 20.75)
Tuscania: pit 37
Height (surv.) 30 mm; rim diam. 90 mm
Pale greenish-colourless glass. Upper body fragment from a beaker with a rounded rim on a flaring mouth and straight tapering walls. Decorated c. 20 mm below the rim with a thin applied horizontal trail and the upper part of a loop.
- 76 **Upper body from a beaker with clear and blue trailing** (Fig. 20.76)
Santo Stefano, Anguillara
Height (surv.) 44 mm; rim diam. 80 mm
Pale yellowish-green glass. Fragment from the upper part of a beaker with a flaring mouth with rounded rim and a more or less cylindrical body decorated with a blue horizontal trail and the upper part of a colourless looped trail below.

DRINKING VESSELS: PLAIN BEAKERS

Beakers with Applied Solid Base-Rings

- 77 **Small beaker base with an applied solid base-ring** (Fig. 22.77)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 55 mm
Transparent light sepia glass. Fragment forming a quarter of the base from a beaker with straight vertical walls and a pushed-in base with a high domed kick and an applied solid base-ring.
- 78 **Small beaker base with an applied solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 55 mm
Transparent light green glass. Almost complete pushed-in beaker base with an applied solid base-ring as for no. 77 above
- 79 **Beaker base with an applied solid base-ring** (Fig. 22.79)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 60 mm
Transparent yellowish-green glass. Lower body and complete base from a beaker with vertical walls, pushed-in bottom with a conical kick and a pontil underneath; applied solid base-ring left smooth.
- 80 **Beaker base with thin applied solid base-ring** (Figs 22.80 and 24a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Base diam. 70 mm
Transparent light yellowish glass. Three fragments forming half of the lower part of a beaker with slightly flaring walls, the bottom pushed-in with a conical kick and a pontil mark underneath; applied thin solid base-ring left smooth.
- 81 **Beaker base with an applied solid base-ring** (Fig. 22.81)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 72 mm
Transparent yellowish-green glass. Lower body of a beaker with vertical walls and pushed-in bottom (centre missing) with a plain applied solid base-ring.
- 82 **Beaker base with an applied solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 72 mm
Transparent pale yellow glass. Fragment forming almost half of a beaker base with an applied solid base-ring as for no. 81 above
- 83 **Beaker base with an applied solid base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 75 mm
Transparent pale yellow glass. Fragment forming three-quarters of a beaker base with an applied solid base-ring as for no. 81 above

DRINKING VESSELS: PLAIN BEAKERS

Beakers with Hollow-Tubular Base-Rings

- 84 **Lower body from a beaker with a hollow-tubular base-ring**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 61 mm
Transparent pale green glass. Two joining fragment from the lower part of a beaker that tapers inwards towards the bottom pushed-in to form a flattened hollow-tubular foot ring and a conical kick with a pontil mark underneath.
Published: Whitehouse 1987, 326, no. 20, fig. 4.20
- 85 **High hollow-tubular base-ring from a beaker (Fig. 22.85)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 62 mm
Transparent yellowish-green glass. 70% of a base from a beaker, probably with flaring walls, the bottom pushed-in and tooled to form a hollow-tubular base-ring and flattened section above, the centre of base missing.
- 86 **Hollow-tubular base-ring from a beaker (Fig. 22.86)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 64 mm
Transparent yellow glass with a pinkish tinge. Fragment forming about a third of a low hollow-tubular base-ring from a beaker, the centre of the base missing.
- 87 **Wide hollow-tubular base-ring from a beaker (Fig. 22.87)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 75 mm
Transparent light yellow glass. Fragment forming about a quarter of the bottom of a beaker with a pushed-in base tooled to form a hollow-tubular base-ring.
88. **Thick and small hollow-tubular base from a beaker (Fig. 22.88)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 60
Transparent yellowish-green glass. Thick fragment forming about a quarter of a pushed-in base tooled to form a hollow-tubular base-ring and a domed kick with a pontil mark underneath.
- 89 **Thick hollow-tubular base from a beaker (Fig. 22.89)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 72 mm
Transparent yellowish-green glass. Two-thirds of a thick-walled base from a beaker, pushed-in and tooled to form a hollow-tubular base-ring and a conical kick with a pontil mark underneath.
- 90 **Hollow-tubular base-ring from a beaker or bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Base diam. 82 mm
Transparent colourless glass. Fragment of a base pushed-in to form a splayed hollow-tubular base-ring and a high conical kick with a pontil mark underneath.

DRINKING VESSELS: PLAIN BEAKERS

Truncated-Conical Beakers

- 91 **Reconstructible short plain beaker** (Fig. 23.91)
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Height 40 mm; rim diam. 75 mm; base diam. 58 mm
Transparent light yellowish-green glass. Two joining fragments from a short, truncated-conical free-blown beaker with a rounded rim and pushed-in base with a conical kick and a pontil mark underneath.
Published: Whitehouse 1987, 325, no. 1, fig. 3.1
- 92 **Reconstructible plain beaker** (Figs 23.92 and 24b)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height 55 mm; rim diam. 80 mm; base diam. 60 mm
Transparent pale green colourless glass. Repaired from several fragments which make most of base and half of the body from a free-blown beaker with almost vertical walls and a pushed-in base with a conical kick.
Published: Whitehouse 1987, 325, no. 2, fig. 3.2
- 93 **Reconstructible plain beaker** (Fig. 23.93)
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Height 51 mm; rim diam. 80 mm; base diam. 58 mm
Transparent pale yellowish-green glass. Reconstructible free-blown, truncated-conical beaker with very thin walls and a pushed-in base with a conical kick and a pontil mark underneath.
- 94 **Reconstructible plain beaker** (Fig. 23.94)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height 50 mm; rim diam. 90 mm; base diam. 70 mm
Transparent pale green glass. Three fragments comprising most of base and forming a complete profile of a squat, truncated-conical, free-blown beaker with gently flaring walls and a pushed-in base with a conical kick and a pontil mark underneath.
- 95 **Reconstructible plain beaker** (Fig. 23.95)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height 60 mm; rim diam. 90 mm; base diam. 78 mm
Transparent pale sepia glass. Plain beaker restored from fourteen fragments to form almost vertical walls and a pushed-in base with a conical kick.
Published: Whitehouse 1987, 325, no. 3, fig. 3.3
- 96 **Reconstructible tall plain beaker** (Fig. 23.96)
Palazzo Vitelleschi, Tarquinia: pit 9, context 29
Height 69 mm; rim diam. 72 mm; base diam. 46 mm
Transparent light sepia glass. Seven joining fragments making up a third of a tall free-blown, truncated-conical beaker with a rounded rim and pushed-in bottom with a conical kick and a pontil mark underneath.
Published: Whitehouse 1987, 325, no. 4, fig. 3.4

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Circular Bosses

- 97 **Lower body of a beaker with circular bosses** (Fig. 27a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 227
Height 54 mm; diam. 37 mm
Almost colourless glass that is light brownish-green at fracture. Lower two-thirds of a mould-blown beaker with straight tapering sides and pushed-in bottom with a conical kick and pontil mark underneath. The walls decorated with nine horizontal rows of bosses up to 8 mm in diameter arranged in quincunx.
Published: Baumgartner and Krüger 1988, 45, fig. 44
Cf. Appendix B, no. 170
- 98 **Wall profile of beaker with circular bosses** (Fig. 26.98)
Palazzo Vitelleschi, Tarquinia: pit 9, context 10
Height 65 mm; rim diam. 71 mm; base diam. 44 mm
Yellowish-green colourless glass. Wall profile of a tall, truncated-conical mould-blown beaker with a pushed-in bottom (missing). Decorated with nine horizontal staggered rows of circular bosses starting *c.* 19 mm below the rim.
- 99 **Lower wall from a beaker with circular bosses** (Fig. 26.99)
Palazzo Vitelleschi, Tarquinia: pit 410, context 414
Height (surv.) 30 mm; base diam. 40 mm
Transparent pale greenish-yellow glass. Lower wall and part of the pushed-in base from a mould-blown beaker decorated with circular bosses.
- 100 **Lower part of a beaker with circular bosses** (Fig. 26.100)
Palazzo Vitelleschi, Tarquinia: pit 181, context 191
Height (surv.) 27 mm; base diam. 42 mm
Pale yellowish-colourless glass. Intact pushed-in base with conical kick and part of the lower wall from a mould-blown beaker decorated with large, widely-spaced circular bosses.
Cf. Appendix B, no. 107
- 101 **Reconstructible beaker with irregular circular bosses** (Fig. 26.101)
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height 80 mm; rim diam. 78 mm; base diam. 48 mm
Transparent light sepia. Reconstructible profile of a truncated-conical beaker with a rounded rim and pushed-in base with a low conical kick and pontil mark underneath. The mould-blown decoration of irregular circular bosses arranged in nine staggered horizontal rows starting 20 mm below the rim and continuing under the base.
Cf. Appendix B, no. 39
- 102 **Beaker with circular bosses**
Palazzo Vitelleschi, Tarquinia: pit 181, context 227
Height 78 mm; rim diam. 70 mm; base diam. 48 mm

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Circular Bosses (continued)

- Transparent pale slightly bluish-green glass. Reconstructible truncated-conical, mould-blown beaker with a rounded rim and pushed-in base with a conical kick and pontil mark underneath. The decoration of vertical rows, each containing eight circular bosses, starts *c.* 15 mm below the rim continuing to bottom of the side. Published: Baumgartner and Krüger 1988, 45-6, fig. 44
- 103 **Lower two-thirds of a beaker with circular bosses** (Fig. 26.103)
Palazzo Vitelleschi, Tarquinia: pit 410, context 417
Height (surv.) 47 mm; base diam. 42 mm
Transparent pale yellow glass. Lower two-thirds of a truncated-conical, mould-blown beaker, the bottom pushed-in with a conical kick and pontil mark underneath. The walls and base decorated with vertical rows of small circular bosses. Cf. Appendix B, no. 351
- 104 **Upper body fragment from a beaker decorated with circular motifs**
Palazzo Vitelleschi, Tarquinia: pit 181, context 199
Height 74 mm; rim diam. 80 mm
Almost colourless glass that is light olive-green at fracture. Rounded rim and body fragment from a mould-blown beaker decorated with vertical rows of roughly circular motifs in low relief that start just over 20 mm below rim.
- 105 **Squat, flaring beaker with circular bosses** (Fig. 26.105)
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 54 mm; rim diam. 83 mm; base diam. 53 mm
Pale yellowish-green colourless glass. Almost complete profile of a squat, truncated-conical mould-blown beaker, the bottom pushed-in with a kick and pontil mark. The walls decorated with nine staggered horizontal rows of circular bosses that do not continue on the underside of the base. Cf. Appendix B, no. 52
- 106 **Lower part of a squat, flaring beaker with large circular bosses** (Fig. 26.106)
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 30 mm; rim diam. 55 mm
Transparent light sepia glass. Lower part of a squat, flaring beaker with a pushed-in base with a conical kick and intact pontil; the walls and underside of the base decorated with seven extant staggered horizontal rows of large circular bosses. Cf. Appendix B, no. 48
- 107 **Wall profile of a squat beaker with circular bosses** (Fig. 26.107)
Palazzo Vitelleschi, Tarquinia: pit 9, context 10
Height 55 mm; rim diam. 100 mm; base diam. 62 mm
Light greenish colourless glass. Reconstructible profile of a squat, truncated-conical, mould-blown beaker with a rounded rim and the flaring walls decorated with nine staggered horizontal rows of circular bosses starting *c.* 18 mm below the rim; the pushed-in bottom with a conical kick (centre missing). Cf. Appendix B, no. 5

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Circular Bosses (continued)

- 108 **Base fragment with circular bosses** (Fig. 34.108)
Farfa Abbey: area A3, context 778, period 12
Base diam. 60 mm
Greenish-colourless glass. Fragment of a pushed-in bottom from a mould-blown beaker with a shallow domed kick, the mould-blown decoration of circular bosses continuing to the underside of the base.
- 109 **Beaker base with circular bosses** (Fig. 34.109)
Farfa Abbey: area A2, context 489, period 14
Base diam. 45 mm
Very pale greenish-colourless glass containing many small bubbles. Fragment from the lower part of a beaker with straight flaring walls and a pushed-in bottom with a conical kick and a pontil mark underneath. Three horizontal rows of circular bosses extant, including one on the underside of the base.
- 110 **Beaker base fragment with circular bosses** (Fig. 34.110)
Farfa Abbey: area A2, context 489, period 14
Base diam. 45 mm
Yellowish-colourless glass. Pushed-in bottom from a mould-blown beaker with circular bosses continuing on the underside of the kick.
- 111 **Lower body fragment from a beaker with large circular bosses** (Fig. 32.111)
Farfa Abbey: area A2, context 489, period 14
Height (surv.) 35 mm; base diam. c. 50 mm
Yellowish-colourless glass containing some small bubbles. Body fragment from the lower part of a straight-walled mould-blown beaker decorated with large circular bosses, c. 9.5 mm in diameter.

Beakers with Ribbing

- 112 **Wall profile of a squat ribbed beaker** (Fig. 28.112)
Palazzo Vitelleschi, Tarquinia: pit 181, context 227
Height 50 mm; rim diam. 80 mm; base diam. c. 60 mm
Yellowish-green colourless glass. Fragments from the wall of a truncated-conical beaker with a rounded rim and vertical ribs that start c. 14 mm below the rim and slant towards the left at the top.
- 113 **Lower walls and base from a squat ribbed beaker**
Palazzo Vitelleschi, Tarquinia: pit 9, context 20
Height (surv.) 41 mm; base diam. 60 mm
Greenish-colourless glass. Four joining fragments making half the lower part of a squat, truncated-conical beaker with a pushed-in base, conical kick and a pontil mark. The walls decorated with vertical ribs that slant slightly from left to right. as for no. 112 above and that stop c. 5 mm above the base.
Cf. Appendix B, no. 22

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Ribbing (continued)

- 114 **Squat mould-blown beaker with flaring sides** (Figs 28.114 and 29a)
Palazzo Vitelleschi, Tarquinia: pit 410, context 435
Height 45 mm; rim diam. 90 mm; base diam. 58 mm
Four fragments (two joining) from a shallow but wide, truncated-conical beaker decorated with vertical ribs that start *c.* 12 mm below the rounded rim and continue on the underside of the pushed-in base up to the pontil mark.
Published: Baumgartner and Krüger 1988, 45, fig. 44
- 115 **Lower part of a beaker with vertical ribs** (Fig. 28.115)
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 45 mm; base diam. 38 mm
Pale light greenish-colourless glass. Fragment from the lower wall and pushed-in base of a mould-blown, truncated-conical beaker decorated with thirty-two vertical ribs that continue to the underside of the lop-sided kick.
Cf. Appendix B, no. 55
- 116 **Reconstructible wall profile of a beaker with vertical ribs**
Palazzo Vitelleschi, Tarquinia: pit 181, context 191
Height 68 mm; rim diam. 60 mm
Transparent very pale green glass. Three joining fragments making complete profile of a truncated-conical beaker with a rounded rim and decorated with numerous vertical ribs.
- 117 **Upper body fragment from a ribbed mould-blown beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 63 mm; rim diam. 60 mm
Pale yellowish-green colourless glass. Two joining fragments from the upper part of a beaker with a rounded rim and straight flaring walls. Mould-blown decoration of vertical ribbing starts 15 mm below the rim.
- 118 **Mould-blown beaker with vertical ribbing** (Fig. 28.118)
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 55 mm; base diam. 40 mm
Pale greenish-colourless glass. Almost complete mould-blown truncated-conical beaker with a pushed-in base, conical kick and pontil mark underneath and decorated with vertical ribs that stop before the rim (missing) and do not continue on the underside of the base.
Cf. Appendix B, no. 58
- 119 **Reconstructible wall profile of a beaker with mould-blown ribbing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height 53 mm; rim diam. 70 mm; base diam. 60 mm
Almost colourless glass that is light olive-green at fracture. Reconstructible wall profile of a truncated-conical mould-blown beakers with a rounded rim and pushed-in base with a tall conical kick and a pontil mark underneath. The mould-blown decoration of faint vertical ribbing starts 14 mm below the rim.

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Ribbing (continued)

- 120 **Upper body fragment from a ribbed mould-blown beaker**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 39 mm; rim diam. 70 mm
Pale olive-green colourless glass. Upper body fragment from a mould-blown beaker with a folded rim on straight slightly tapering sides, decorated 13 mm below the rim with faint ribbing that slants very slightly from right to left.
- 121 **Upper body from a beaker with vertical ribbing**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height 82 mm; rim diam. 90 mm
Transparent pale yellowish green glass. Eight fragments (four joining) comprising a third of the rim and a quarter of the body from a thin-walled truncated-conical mould-blown beaker decorated with vertical ribbing that starts *c.* 23 mm below the rounded rim.
- 122 **Small squat beaker with vertical ribs (Fig. 28.122)**
Palazzo Vitelleschi, Tarquinia: pit 9, context 30
Height 50 mm; rim diam. 76 mm; base diam. 60 mm
Transparent pale green glass. Fragments forming the reconstructible profile of a squat, truncated conical beaker with mould-blown ribbing all the way up to the rounded rim and on the underside of the kick of the pushed-in base.
- 123 **Upper body fragment from a beaker decorated with ribs**
Palazzo Vitelleschi, Tarquinia: pit 180, context 195
Height (surv.) 30 mm; rim diam. 70 mm
Very pale yellowish-green glass. Rim and body fragment decorated with mould-blown diagonal ribs that are set about 12 mm apart and slant slightly from left to right. Possibly from a similar vessel to no. 122 above.
- 124 **Wall profile of a mould-blown beaker with vertical ribs (Fig. 28.124)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Height (surv.) 50 mm; rim diam. 80 mm
Pale greenish-colourless glass. Fragment from the wall of a truncated-conical mould-blown beaker decorated with vertical ribs that continue right up to the rounded rim.
- 125 **Mould-blown ribbed beaker with 'rosette' (Figs 28.125 and 29b)**
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 187 and 191
Height (surv.) 60 mm; rim diam. 76 mm; base diam. 48 mm
Glossy transparent yellowish green glass that appears like new. Large fragment from the side and rim of a beaker with vertical ribbing right up to the rounded rim. Three fragments making most of base with a domed kick and a 6-petalled rosette applied over the ribs that continue on the underside of the base.
Published: Whitehouse 1987, 326, no. 15, fig. 3.15
cf. Appendix B, no. 104

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Ribbing (continued)

- 126 **Beaker base with vertical ribbing** (Fig. 34.126)
Farfa Abbey: area B2, context 686, period 13
Base diam. 45 mm
Transparent bluish-green glass. Pushed-in base from a mould-blown beaker with straight flaring walls and decorated with vertical ribbing that continues on the underside.
- 127 **Lower wall fragment with vertical ribbing** (Fig. 34.127)
Farfa Abbey: area B2, context 681, period 12/13
Height (surv.) 20 mm; base diam. c. 50 mm
Yellowish-green colourless glass. Fragment from the lower wall of a straight-walled beaker decorated with vertical ribbing.

Beakers with Hexagons

- 128 **Lower body from a beaker decorated with hexagons** (Figs 30a and 31.128)
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 45 mm; base diam. 45 mm
Transparent pale green glass. Lower body of a mould-blown truncated-conical beaker with a pushed-in base with a conical kick and pontil mark. The wall and underside of the base decorated with hexagonal bosses arranged in honeycomb. Cf. Appendix B, no. 62
- 129 **Lower body from a beaker decorated with hexagons** (Figs 30b and 31.129)
Palazzo Vitelleschi, Tarquinia: pit 9, context 12
Height (surv.) 42 mm; base diam. 50 mm
Transparent light bluish-green glass. Lower body of a mould-blown, truncated-conical beaker decorated on the walls only with hexagonal bosses arranged in honeycomb. The bottom of the walls bulge out slightly above the base. Cf. Appendix B, no. 7
- 130 **Lower body from a beaker with hexagons**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 24 mm; base diam. 38 mm
Transparent light sepia glass. Lower body from a beaker with straight tapering walls that curve in at base, pushed-in to form a conical kick with a pontil mark underneath. The walls decorated with small hexagonal depressions with rounded outlines. Cf. Appendix B, no. 60
- 131 **Upper body from a beaker decorated with hexagons**
Palazzo Vitelleschi, Tarquinia: pit 180, context 190
Height (surv.) 47 mm; rim diam. 90 mm
Almost colourless very thin glass that is light olive-green at fracture. Plain reworked rim, straight tapering sides, decorated with mould-blown honeycomb of hexagons in low relief in rows which slant downwards from right to left.

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Hexagons (continued)

- 132 **Body fragment with mould-blown hexagons** (Fig. 31.132)
Palazzo Vitelleschi, Tarquinia: pit 4, context 18
Transparent pale green glass. Body fragment from the lower part of a mould-blown beaker decorated with small raised hexagonal bosses arranged in honeycomb.
- 133 **Body fragment with mould-blown hexagons** (Fig. 31.133)
Palazzo Vitelleschi, Tarquinia: pit 180, context 190
Transparent light yellowish-green glass. Body fragment from the lower part of a mould-blown beaker decorated with hexagonal bosses with depressed centres, arranged in honeycomb.

Beakers with Diamonds or Pointed Ovals

- 134 **Reconstructible beaker with diamond-shaped bosses** (Figs 27b and 32.134)
Palazzo Vitelleschi, Tarquinia: pit 410, context 435
Height 45 mm; rim diam. 86mm; base diam. 55 mm
Transparent bluish-green glass. Reconstructible squat beaker with strongly flaring sides and pushed-in bottom with a conical kick and pontil mark underneath. The mould-blown decoration of diamond-shaped bosses arranged in six staggered rows starts c. 15 mm below the rounded rim and continues on the underside of the base.
Cf. Appendix B, no. 392
- 135 **Reconstructible beaker with diamond-shaped motifs**
Palazzo Vitelleschi, Tarquinia: pit 410, context 424
Height 48 mm; rim diam. 80 mm; base diam. 50 mm
Transparent green glass with bluish tinge. Reconstructible beaker with a plain reworked rim, straight tapering sides that curve in at the bottom, the base pushed-in with a conical kick and a small pontil mark underneath. Mould-blown decoration of raised diamond-shaped motifs arranged in quincunx starts 18 mm below the rim and continues under the base.
Cf. Appendix B, no. 388
- 136 **Reconstructible beaker with large diamonds** (Fig. 33a)
Palazzo Vitelleschi, Tarquinia: pit 9, context 29
Height 60 mm; rim diam. 73 mm; base diam. 52 mm
Transparent and highly iridescent very pale greenish glass. Nine joining fragments making three-quarters of a beaker with straight tapering walls, a rounded rim and pushed-in bottom with a shallow kick and a pontil mark underneath. The body decorated with five rows of large rough diamond-shaped motifs in low relief.
Published: Baumgartner and Krüger 1988, 45, fig. 44
Cf. Appendix B, no. 35
- 137 **Lower body of a squat beaker with large diamonds** (Fig. 32.137)
Palazzo Vitelleschi, Tarquinia: pit 181, context 199
Height 46 mm; base diam. c. 60 mm

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Diamonds or Pointed Ovals (continued)

Highly iridescent yellowish-green glass. Lower wall fragment from a squat mould-blown, truncated-conical beaker with large diamond or pointed oval-shaped bosses, probably as for no. 136 above.

138 **Lower body of a beaker with raised diamonds** (Fig. 32.138)

Palazzo Vitelleschi, Tarquinia: pit 410, context 422

Height (surv.) 50 mm; base diam. 48 mm

Transparent bluish-green glass. Lower body of a mould-blown, truncated-conical beaker with a pushed-in base with a conical kick and pontil mark underneath. The walls only decorated with a minimum of six staggered rows of raised diamonds. Cf. Appendix B, no. 375

139 **Lower body of a beaker with diamonds** (Fig. 32.139)

Palazzo Vitelleschi, Tarquinia: pit 181, context 234

Base diam. 45 mm

Transparent pale yellowish-green glass. Lower part of a mould-blown, truncated conical beaker with a pushed-in base, conical kick and pontil mark underneath. The walls only decorated with four extant staggered rows of raised diamond-shaped bosses with depressed centres.

Cf. Appendix B, no. 314

140 **Base of a mould-blown beaker with diamonds** (Fig. 32.140)

Palazzo Vitelleschi, Tarquinia: pit 410, context 424

Base diam. 65 mm

Transparent bluish-green glass. Pushed-in beaker base with a conical kick and pontil mark from a mould-blown beaker with raised diamond-shaped bosses that continue on the underside.

Cf. Appendix B, no. 389

Beakers with Squares or Rectangles

141 **Reconstructible beaker with square/rectangular bosses** (Figs 31.141 and 33b)

Palazzo Vitelleschi, Tarquinia: pit 9, context 31 and pit 181, context 230

Height 70 mm; rim diam. 76 mm; base diam. 44 mm

Pale greenish-colourless glass. Reconstructible mould-blown, truncated-conical beaker with rounded rim and pushed-in base with a conical kick and pontil mark. Decorated with six horizontal rows of rectangular/square bosses that start *c.* 19 mm below the rim; one row continues on the underside of the base.

Cf. Appendix B, no. 65

142 **Upper body fragment decorated with rectangles**

Palazzo Vitelleschi, Tarquinia: pit 9, context 31

Height (surv.) 48 mm; rim diam. 70 mm

Pale yellowish-green colourless glass. Fragment from the upper body of a beaker with straight tapering sides and a rounded rim, decorated with rectangles in vertical rows.

DRINKING VESSELS: MOULD-BLOWN BEAKERS

Beakers with Squares or Rectangles (continued)

- 143 **Upper body fragment decorated with rectangles**
Palazzo Vitelleschi, Tarquinia: pit 180, context 214
Height (surv.) 31 mm; rim diam. 80 mm
Pale olive-green colourless glass. Upper body fragment from a mould-blown beaker with a plain, rounded rim and thin, straight tapering sides decorated with three extant horizontal rows of rectangular bosses in low relief.
- 144 **Body fragment with mould-blown squares (Fig. 34.144)**
Farfa Abbey: area A2, context 1039, period 11
Transparent light green glass containing some small bubbles. Small body fragment, probably from a mould-blown beaker, decorated with two extant rows of gently raised squares.

Beakers with Other Mould-Blown Designs

- 145 **Lower body of a mould-blown beaker with ring and dot motif**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 41 mm; base diam. 42 mm
Pale greenish-colourless glass. Five joining fragments from a beaker with straight tapering sides that bulge very slightly and curve in at the bottom, pushed-in base with a conical kick and pontil mark underneath. The walls decorated with a mould-blown pattern composed of vertical rows of small ring and dot motifs, giving a honeycomb effect.
Cf. Appendix B, no. 287
- 146 **Body sherd with geometric design (Fig. 34.146)**
Farfa Abbey: area A2, context 1141, period 11
Pale greenish-colourless glass. Thin body fragment, probably from a mould-blown beaker, with a geometric design of concentric diamonds arranged in quincunx.

BOTTLES: FREE-BLOWN

Bottles with Neck Bulges or Swellings

- 147 **Bottle neck with applied blue trailing** (Figs 35.147, and 36a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 184 mm; rim diam. 36 mm
Transparent pale green glass containing many elongated bubbles. Repaired neck and small part of a bottle reconstructed from many fragments, the plain reworked rim, tapering to a swelling or bulge, below the walls splay slightly before merging with the rounded shoulder. At the bottom of the neck two applied blue trails sandwich a thicker self-coloured pincer trail. Used in reconstruction in Fig. 44. Published: Whitehouse 1987, 329, no. 36, fig. 5.36; Baumgartner and Krüger 1988, 46, fig. 45
- 148 **Plain bottle neck with swelling** (Fig. 35.148)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Height (surv.) 140 mm; rim diam 43 mm
Transparent pale green glass with some large bubbles. Several fragments forming most of the rounded rim and neck from a bottle that tapers inwards to a swelling and then flares gently towards the shoulder.
Published: Whitehouse 1987, 329, no. 34, fig. 5.34
- 149 **Plain bottle neck with swelling** (Figs 35.149 and 36b)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 200 mm; rim diam. 48 mm; max. diam. 174 mm
Transparent pale green seeded glass containing blowing spirals. Repaired from many fragments that form almost all the neck and a small part of the globular body of a bottle. Plain, reworked everted rim with a bulge below, long neck flares towards the bottom.
Published: Whitehouse 1987, 329, no. 35, fig. 5.35
- 150 **Plain bottle neck with swelling** (Fig. 35.150)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 105 mm
Transparent sepia colourless glass. Large fragment from the lower part of a long bottle neck that flares outwards towards the shoulder, at the top of the fragment the lower part of a horizontal neck bulge or swelling as for nos 148-9.

Bottle Necks with Blue and Self-Coloured Trailing

- 151 **Neck fragment with blue and self-coloured trailing** (Fig. 37.151)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 34 mm; max. diam. c. 42 mm
Transparent pale green glass. Two joining fragments from the neck of a bottle that has an applied self-coloured trail which has been pinched to form a frill sandwiched between plain horizontal trails in opaque dark blue glass trails. From a similar vessel as no. 147 above.

BOTTLES: FREE-BLOWN

Bottle Necks with Blue and Self-Coloured Trailing (continued)

- 152 **Neck fragment with blue and self-coloured trails**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Max. diam. 38 mm
Transparent yellowish-green glass. Small fragment from the lower part of a bottle neck that splays outwards at the bottom and merges with the shoulder; decorated towards the bottom with an applied self-coloured trail, pincered to form a frill and below with an applied translucent blue glass trail wound at least twice round the circumference. Cf. nos 147 and 151 above.

Bottle Necks with Blue Trailing

- 153 **Lower neck fragment with blue trailing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Diam. at bottom of neck 25 mm
Transparent yellowish-green glass. Fragment from the lower part of a narrow cylindrical neck and broad sloping shoulder of a bottle; at the bottom of the neck a translucent deep blue horizontal trail. Cf. nos 147 and 151.
- 154 **Neck fragment with blue trail**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 35 mm; max. neck diam. 46 mm
Transparent pale green glass with some vertical bubbles and seeding. Fragment from the tapering neck of a bottle; decorated with an applied horizontal translucent deep blue glass trail. Cf. nos 147 and 151.
- 155 **Neck fragment with trace of blue trail**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Greenish-colourless glass, seeded. Lower neck and shoulder fragment from a bottle with a cylindrical neck and globular or biconical body. On the neck a bright blue patch which appears to be all that remains of a trail that has become detached, as for no. 147.
- 156 **Neck fragment with horizontal blue trail**
Palazzo Vitelleschi, Tarquinia: pit 181, context 203
Height (surv.) 36 mm; diam. at bottom of neck 19 mm
Transparent pale yellowish-green glass. Fragment from the narrow cylindrical neck of a bottle that splays outwards towards the shoulder and decorated towards the bottom an applied horizontal trail in translucent deep blue glass.
- 157 **Lower neck and shoulder fragment with blue trailing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Max. neck diam. 38 mm
Transparent yellowish-green glass. Fragment from the bottom of a neck and shoulder of a bottle, the cylindrical neck splays outwards towards the bottom and merges with the shoulder; decorated at the bottom of the neck with a translucent blue glass trail wound more than once round the circumference.

BOTTLES: FREE-BLOWN

Decorated Bottle Necks with Blue Trailing (continued)

- 158 **Bottle mouth and neck with blue spiral trailing** (Fig. 37.158)
Farfa Abbey: area A2, context 811, period 12
Height (surv.) 30 mm; rim diam 30 mm
Transparent pale green glass. Fragment from the flaring mouth with rounded rim from a bottle; the rim and neck decorated with an applied blue glass spiral trail.
- 159 **Bottle neck with blue spiral trail** (Figs 37.159 and 38b)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 47 mm; max. neck diam. 64 mm
Transparent pale green glass containing numerous small elongated bubbles. Fragment from the cylindrical neck and shoulder of a bottle, decorated with a translucent blue glass trail wound three times round the lower neck.
- 160 **Lower neck fragment with blue spiral trail**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Max. diam. 38 mm
Transparent pale yellowish-green glass. Fragment from the lower part of a narrow cylindrical bottle neck decorated towards the bottom with a deep translucent blue glass trail wound at least twice around the neck.
- 161 **Neck fragment with zigzag blue trailing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 191
Height (surv.) 10 mm; max. neck diam. 20 mm
Transparent pale yellowish-green glass. Small fragment from the cylindrical neck of a bottle, decorated with an applied, slightly zigzag translucent deep blue trail.

Bottle Necks with Self-Coloured Trailing

- 162 **Bottle neck with spiral trailing** (Figs 37.162 and 38a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Height (surv.) 148 mm; rim diam. 23 mm
Transparent greenish-colourless glass. Fragment from the rim and neck of a bottle, the plain reworked rim tapers downwards on a long cylindrical neck, decorated with an applied self-coloured trail wound anti-clockwise five times around the lower part, terminating just above junction with the body. The strong blackish weathering is atypical of Tarquinia.
Whitehouse 1987, 329, no. 30, fig. 5.30
- 163 **Bottle neck with colourless trail**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 40 mm; neck diam. 35-40 mm
Transparent light green glass, few bubbles. Fragment from the cylindrical neck of a bottle decorated with a self-coloured applied trail, drawn anti-clockwise around the neck.

BOTTLES: FREE-BLOWN

Decorated Bottle Necks with Self-Coloured Trailing (continued)

- 164 **Bottle neck with spiral trailing** (Figs 37.164 and 39a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 88 mm
Transparent pale green glass with many small bubbles. Two joining fragments from the lower part of a tall bottle neck that splays towards the junction with the body; an applied self-coloured trail wound four times round the lower neck.
- 165 **Bottle neck with pincerd trailing**
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Max. neck diam. 37 mm
Transparent yellowish-green glass with small bubbles. Neck fragment with a thick applied horizontal trail which has been tooled at irregular intervals to make a series of nicks. Probably from a bottle neck similar to no. 147 above.
- 166 **Upper body with spiral trailing** (Fig. 40.166)
Palazzo Vitelleschi, Tarquinia: pit 9, context 39
Height (surv.) 39 mm
Transparent very pale green glass. Two joining fragments from the rounded shoulder of a bottle, decorated with three applied self-coloured shallow spiral trails.

Bottles with Pincerd Ribbed Bodies

- 167 **Body fragments from a flask with pincerd ribs** (Fig. 40.167)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 199 and 230
Height (surv.) 25 mm
Transparent light green glass, bubbles. Eight fragments from a bottle with a biconical body, decorated with widely-spaced, shallow (pincerd?) radial ribs, which cease just above the carination.
- 168 **Body fragment from bottle with pincerd ribs** (Fig. 40.168)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 35 mm; max. diam. 170 mm
Transparent pale green glass. Large fragment from the lower neck and upper shoulder of a bottle decorated with thin pincerd vertical ribs (one extant).
- 169 **Body fragments from a flask with pincerd ribs** (Figs 39b and 40.169)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 242
Height (surv.) 50 mm; max. diam. 110 mm
Transparent pale green glass, seeded. Six joining fragments making up two-thirds of the upper part of a globular body from a bottle decorated with a zone of short, irregular, transverse ridges, some straight, some comma-shaped, presumably formed by manipulation and reheated.

BOTTLES: FREE-BLOWN

Undecorated Upper Body Fragments

- 170 **Undecorated upper body fragments from a bottle** (Figs 41.170 and 82a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 85 mm; max. diam. 166 mm
Transparent pale green glass. Eight fragments from the lower neck and rounded shoulders of a bottle. Used in reconstruction of bottle in Fig. 44.
- 171 **Undecorated upper body fragments from a bottle** (Fig. 41.171)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 105 mm; max. diam. 124 mm
Transparent pale green glass. Several joining fragments from a bottle with a long cylindrical neck and rounded shoulders. Possibly from a similar vessel as no. 148.
- 172 **Undecorated upper body fragments from a bottle** (Fig. 41.172)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 125 mm; max. diam. 136 mm
Transparent pale green glass with blowing spirals. Several fragments making up part of a long, slender neck that splays towards the rounded shoulders and bulbous body of a thin-walled bottle.

Internal Hollow-Tubular Strengthening Rings

- 173 **Fragments from a hollow-tubular bottle ring** (Figs 41.173 and 42a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236
Diam. \pm 140 mm
Transparent greenish colourless glass. Two fragments making up two-thirds of a hollow-tubular ring tooled out from the wall of a bottle.
Published: Baumgartner and Krüger 1988, 46, fig. 45
- 174 **Complete hollow-tubular bottle ring** (Figs 41.174 and 42a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Diam. 150 mm
Transparent pale green glass. Three joining fragments forming an entire ring, tooled from the thin bottle walls to form a hollow-tubular ring on the interior. As for nos 173 and 175. Used in the bottle reconstruction in Fig. 44.
Published: Whitehouse 1987, 329, no. 39, fig. 5.39; Baumgartner and Krüger 1988, 46, fig. 45
- 175 **Fragments from a hollow-tubular bottle ring** (Figs 41.175 and 42a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Diam. 150 mm
Transparent greenish-yellow glass. Two fragments making up a third of a hollow-tubular ring, presumably from the body of a bottle as for nos 173-4.

BOTTLES: FREE-BLOWN

Bottle Bases with Hollow-Tubular Base-Rings

- 176 **Complete bottle base** (Figs 42b and 43.176)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 82 mm
Transparent pale greenish-colourless glass. Fragment comprising the entire bottom of a bottle pushed-in to form a hollow-tubular base-ring and conical kick with a pontil mark underneath.
Published: Whitehouse 1987, 330, no. 40, fig. 6.40
- 177 **Fragments from a bottle base** (Figs 42b and 43.177)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 242
Base diam. 86 mm
Transparent light sepia or yellowish glass. Fragments forming three-quarters of a bottle base as for no. 176 above.
- 178 **Complete bottle base** (Figs 42b and 43.178)
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Base diam. 90 mm
Transparent light yellowish-green glass with small bubbles. Fragment making up the whole base from a bottle with a pushed-in hollow-tubular base-ring and a prominent conical kick with a pontil mark underneath.
- 179 **Complete bottle base** (Figs 42b and 43.179)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 94 mm
Transparent pale green seeded glass. Fragment making up the whole base from a bottle with a pushed-in splayed hollow-tubular base-ring, low kick and a pontil mark underneath.
- 180 **Complete bottle base** (Figs 42b and 43.180)
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Base diam. 72 mm
Transparent yellowish glass. Complete bottom of a bottle, pushed-in to form a hollow-tubular base-ring, conical kick with a pontil mark underneath.
- 181 **Fragment from a bottle base** (Figs 42b and 43.181)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 234 and 242
Base diam. 70 mm
Transparent pale yellowish glass. Fragments making up 85% of a bottle base as for no. 180 above.
- 182 **Fragment from a bottle base** (Fig. 43.182)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 90 mm
Transparent light yellowish glass. Small fragment from a hollow-tubular base-ring of bottle, the centre of the base missing.

BOTTLES: FREE-BLOWN

Bottle Bases with Hollow-Tubular Base-Rings (continued)

- 183 **Small fragment from a bottle base** (Fig. 43.183)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Base diam. 100 mm
Transparent yellowish-green glass. Small fragment from the base of a footed bottle with a hollow-tubular base-ring.
- 184 **Base fragment from the base of a bowl or a bottle** (Fig. 43.184)
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Base diam. 110 mm
Transparent pale green glass. Two joining fragments forming *circa* 57% of the hollow-tubular base-ring from a bottle or bowl, the centre of the bottom missing.
- 185 **Base fragments form the base of a bowl or bottle** (Fig. 43.185)
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Base diam. 110 mm
Transparent yellowish-green glass. Small fragment from the hollow-tubular base-ring of a bowl or bottle, as for no. 184 above.

Bottles with Gilt Decoration

- 186 **Neck fragment with pseudo Islamic gilt inscription** (Figs 45.186 and 78a)
Palazzo Vitelleschi, Tarquinia: pit 4, context 9
Height (surv.) 46 mm
Transparent brownish colourless glass with elongated bubbles. One fragment (and possibly another undecorated fragment) from a cylindrical bottle neck that tapers towards the bottom bearing faint traces of painted gilt decoration that has since weathered away leaving only a shadow: at the top two parallel horizontal lines and at the bottom a pseudo Kufic inscription.

Coloured Bottles

- 187 **Blue bottle base with white spiral trailing** (Figs 38c and 45.187)
Palazzo Vitelleschi, Tarquinia: pit 9, context 45
Height (surv.) 25 mm; max. diam. 70 mm
Transparent deep cobalt-blue glass with seeding. Fragment from a bottle base with a pushed-in bottom, conical kick and pontil mark. Before the bottom pushed-in the paraison was decorated with an applied and marvered opaque white spiral trail.
Published: Whitehouse 1987, 325, no. 22, fig. 4.22

Kuttrolf

- 188 **Fragments from the neck of a *Kuttrolf*** (Fig. 45.188)
Farfa Abbey: area A2, context 322, period 11
Tubes *c.* 6.5 x 10 mm
Transparent light green glass containing small elongated bubbles. Four fragments from the neck of a *Kuttrolf* with three tooled tubes which are slightly twisted.

BOTTLES: MOULD-BLOWN

Bottles with Vertical Ribbing

- 189 **Reconstructible mould-blown ribbed bottle** (Figs 46.189 and 47a)
Palazzo Vitelleschi, Tarquinia: pit 9, contexts 17, 20, 29 and 31, and pit 181, contexts 199, 230 and 235
Height 272 mm; base diam. 110 mm
Transparent pale sepia glass containing bubbles and much seed. Complete rim and neck and about third of body repaired from fragments (lower part of body and base missing, but cf. no. 201); plain reworked rim, slightly distorted, everted mouth; long, slender tapering neck with light vertical fluting; globular body with vertical ribs (11 of 16-18? extant).
Published: Whitehouse 1987, 330; no. 41, fig. 6.41; Baumgartner and Krüger 1988, 48, fig. 46
- 190 **Fragments from a mould-blown ribbed bottle**
Palazzo Vitelleschi, Tarquinia: pit 9, contexts 17 and 29
Base diam. 75-85 mm
Transparent pale yellowish-green glass. Fifteen fragments from a bottle with a globular or pear-shaped body which appears to be splayed outwards from the bottom of the neck, curved at the max. diameter, then curved down to a plain pushed-in base with a conical kick and pontil mark. Decorated on the side and under the base with an indeterminable number of mould-blown vertical ribs.
- 191 **Lower neck and shoulder from ribbed flask**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Max. diam. 104 mm
Transparent yellowish-green colourless glass. Three joining fragments from the base of the neck and making up a third of the broad rounded shoulder, which is decorated at intervals with small applied or mould-blown vertical ribs.
- 192 **Reconstructible bottle with vertical ribbing** (Figs 46.192 and 47b)
Palazzo Vitelleschi, Tarquinia: pit 410, context 422
Height 257 mm; rim diam. 50 mm; base diam. 87 mm
Colourless glass with silvery iridescence. Many fragments forming the upper body and base from a bottle with mould-blown vertical ribs on the body only. The everted mouth has a thickened rim on a long cylindrical neck, rounded shoulders and bulbous body, probably with a carinated profile. The base pushed-in to form a hollow-tubular base-ring and conical kick with a pontil mark underneath.
- 193 **Neck fragments from a ribbed bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 191
Height (surv.) 54 mm; neck diam. 29 mm
Transparent light green glass containing small bubbles. Three fragments from the narrow cylindrical neck of a bottle decorated with almost vertical mould-blown ribs (total of 16 to 18 ribs).

BOTTLES: MOULD-BLOWN

Bottles with Vertical Ribbing

- 194 **Lower neck and shoulder from a ribbed bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 227
Diam. at shoulder *c.* 80 mm; max. neck diam. 35 mm
Transparent light green glass, containing a little seed. Small fragment from the lower neck and shoulder of a wide-mouthed bottle, the bottom of the neck fairly straight, then curving outwards to merge with the high rounded shoulder; below, wall curves inwards, decorated with mould-blown vertical ribs.
- 195 **Neck and shoulder fragment from a ribbed bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 191
Height (surv.) 18 mm; max. diam. 58 mm
Transparent light bluish-green glass. Fragment from the lower part of a cylindrical neck and upper shoulder of a bottle with mould-blown vertical ribbing.
- 196 **Body fragments from a ribbed bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Max. diam. 50 mm
Transparent pale greenish glass containing very small bubbles. Seven very small body fragments decorated at intervals of more than 25 mm with mould-blown vertical ribbing. From the lower wall as for nos 189 and 201.

Bottles with Spiral Ribbing

- 197 **Neck fragment from a bottle with spiral ribbing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 187
Height (surv.) 62 mm; neck diam. *c.* 50 mm
Transparent light green glass, few elongated bubbles. Single fragment from a cylindrical neck decorated with mould-blown spiral ribbing which become further apart towards the shoulder.
- 198 **Neck fragment from a bottle with spiral ribbing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Diam. at bottom of neck 33 mm; max. diam 55 mm
Transparent pale yellowish-colourless seeded glass. Small fragment from a cylindrical neck and sloping shoulders of a bottle decorated with mould-blown spiral ribs in very low relief, curving downwards from left to right.
- 199 **Neck fragment from a bottle with spiral ribbing**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 65 m; neck diam. 25 mm
Transparent pale yellowish-colourless glass. Fragment from a narrow cylindrical neck decorated with mould-blown spiral ribbing.

BOTTLES: MOULD-BLOWN

Base Fragments from Ribbed Flasks

- 200 **Base of a mould-blown ribbed flask**
Palazzo Vitelleschi, Tarquinia: pit 9, context 16
Height (surv.) 22 mm; base diam. 87 mm
Transparent light yellowish-green containing many tiny bubbles. Wall curves in towards pushed-in base with conical kick and pontil mark, on the wall and continuing under the base sixteen low vertical mould-blown ribs.
- 201 **Base from a mould-blown ribbed bottle (Fig. 46.201)**
Palazzo Vitelleschi, Tarquinia: pit 9, context 20 and pit 181, context 230
Base diam. 110 mm
Transparent very pale brown, fairly bubbly, one bubble is 3mm long. Four joining fragments forming most of a pushed-in base with a conical kick and pontil mark, decorated on the body and the outer part of the base with sixteen vertical mould-blown ribs. Drawn with reconstruction of no. 189.
- 202 **Base and body sherds from a ribbed bottle**
Palazzo Vitelleschi, Tarquinia: pit 9, contexts 17 and 31 and pit 181, context 199
Height of kick 28 mm; base diam. *c.* 75 mm.
Transparent pale greenish-yellow glass, bubbles. Three joining base fragments and five body sherds, pushed-in base with conical kick and pontil mark, faint vertical mould-blown ribs (18 out of 22 extant). Wall fragments as for no. 189, base smaller version of no. 201 but with more ribs.

FINEWARES: HANDLED VESSELS

Free-Blown Jugs

- 203 **Large fragment from the upper body and handle** (Figs 48.203 and 49)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 80 mm; rim diam. 64 mm; diam. (base of neck) 45-50 mm
Greenish colourless glass containing many bubbles. Free-blown jug, the plain fire-rounded rim with an applied blue trail below, on a straight-walled neck that tapers towards a tooled, horizontal bulge slightly above the curved shoulder. Narrow strap handle, attached to the neck below the rim, comprising a flattened tube, decorated on the outside with a blue vertical trail and a second looped, blue trail on top. Included in the reconstruction in Fig. 51.
Published: Whitehouse 1987, 329, no. 38, fig. 5.38; Baumgartner and Krüger 1988, 47, fig. 45; Stiaffini 1991, 239, fig. 6.5
- 204 **Fragments from a pedestal base** (Figs 49a and 50.204)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 58 mm; max. diam. 127 mm
Transparent pale green glass. Two joining fragments from the lower body of a jug with shallow curving sides and gently pushed-in base with pontil mark, set on a hollow cylindrical pedestal foot, the bottom edge missing. Probably from the same vessel as no. 203 above and included in the reconstruction in Fig. 51.
Published: Whitehouse 1987, 326, no. 21, fig.4.21; Baumgartner and Krüger 1988, 47, fig. 45
- 205 **Small fragment from the mouth of a jug** (Fig. 50.205)
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Transparent pale yellowish glass. Small fragment from the back part of a trefoil mouth with an out-splayed rim decorated with a thin blue trail applied on top.
- 206 **Small fragment from the mouth of a jug**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Rim diam. 80 mm
Transparent pale yellowish-green glass. Small fragment from an out-splayed rim, possibly from a trefoil mouth, and decorated with a thin applied blue trail on the top of the lip. Possibly from the same vessel as no. 205 above.
- 207 **Small fragment from the mouth of a jug**
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Diameter uncertain; width (surv.) 60 mm
Almost colourless glass that is pale olive-green at fracture. Fragment from the mouth of a vessel with an irregular opening, perhaps pinched to form a pouring lip decorated with an applied blue trail.

FINEWARES: HANDLED VESSELS

Mould-Blown Jugs

- 208 **Fragments from a trefoil mouth** (Fig. 52.208)
Palazzo Vitelleschi, Tarquinia, pit 181, context 230
Height (surv.) 36 mm; rim diam. 60 mm
Transparent pale yellowish-green glass. Two fragments from a trefoil mouth with a plain reworked rim on tapering walls decorated with mould-blown ribbing, starting *c.* 20 mm below the rim. Probably from the same vessel as nos 210, 212 and 218 below and included in the reconstruction (Fig. 53).
- 209 **Fragments from the mouth of a ribbed jug**
Palazzo Vitelleschi, Tarquinia; pit 181, context 234
Dull transparent colourless glass. Three fragments from the trefoil mouth of a mould-blown jug decorated with vertical ribbing. Possibly from the same vessel as no. 210 below and included in the reconstruction (Fig. 53).
- 210 **Fragments from the neck and shoulder of a jug** (Fig. 52.210)
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 60 mm; diam. (base of neck) 45-50 mm
Almost colourless glass, pale greyish-green at fracture. Three fragments from a straight neck that tapers towards the sloping shoulder. Mould-blown decoration of faint vertical ribs set about 10 mm apart at the bottom of the neck, which would suggest a total of *c.* 20 ribs. On the interior of the neck an applied trail of unknown function in the form of a wide inverted 'V'. The neck bulges slightly on the outside opposite this as if the jug originally had a trefoil mouth.
- 211 **Neck fragments from a ribbed jug** (Fig. 52.211)
Palazzo Vitelleschi, Tarquinia; pit 181, context 234
Height (surv.) 54 mm
Dull transparent colourless glass. Two fragments from the upper part of a cylindrical neck with a zone of vertical, mould-blown ribbing that starts just below a trefoil mouth. Probably from a vessel similar to no. 210 above and included in the reconstruction (Fig. 53).
- 212 **Fragments from a ribbed base** (Fig. 52.212)
Palazzo Vitelleschi, Tarquinia; pit 181, context 234
Base diam. *c.* 74 mm
Dull transparent colourless glass. Three fragments forming part of a pushed-in base with a domed kick, the lower end of vertical, mould-blown ribs terminating on the underside of the base. Possibly from the same vessel as no. 210 and included in the reconstruction (Fig. 53).

FINEWARES: HANDLED VESSELS

Handles

- 213 **Fragments making up most of a strap handle** (Fig. 52.213)
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Length (surv.) 85 mm
Transparent greenish-colourless glass. Two fragments from a strap handle formed by a flattened tube that is wider at bottom with tooling marks. Possibly from the same vessel as no 214 and included in the reconstruction (Fig. 53).
- 214 **Fragment from the lower part of a handle** (Fig. 54.214)
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Height (surv.) 71 mm; width 18 mm
Transparent pale yellowish-green glass. Fragment of a tubular handle attached to the vessel wall (that has traces of horizontal ribs) then drawn outward and upward in curve, and flattened to form a thin strap.
- 215 **Fragment from the lower part of a handle** (Fig. 54.215)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Width (max.) 41 mm
Transparent yellowish-green glass. Fragment from the lower handle attachment and part of a thin vessel wall. Probably from a similar vessel as no. 214 above.
- 216 **Fragment from the middle of a strap handle** (Fig. 54.216)
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Length (surv.) 32 mm; width 33 mm
Dull transparent colourless glass. Fragment from a flat strap handle with ribs at the edges. Probably from the same vessel as no. 214.
- 217 **Fragment from the upper part of a handle** (Fig. 54.217)
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Height (surv.) 28 mm
Colourless glass with greyish tinge at fracture. Fragment of a thin vessel wall to which is attached the upper part of a handle, tooled and folded to produce an upstanding thumb-rest.
- 218 **Small fragment from the bottom of a handle** (Fig. 54.218)
Palazzo Vitelleschi, Tarquinia: pit 180, context 186
Height (surv.) 14 mm
Transparent green glass. Small fragment of a vertical handle made by looping a trail over so that the end touches the bottom.
- 219 **Fragment of an opaque red handle** (Fig. 54.219)
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Length (surv.) 37 mm
Opaque red glass. Lower two-thirds of a handle dropped on to the thin wall of a vessel (possibly a cup), drawn outwards and upwards for a short distance, then inwards and upwards and finally inwards.

FINEWARES: SPOUTS

- 220 **Fragments from a tubular spout or handle** (Fig. 54.220)
Palazzo Vitelleschi, Tarquinia: pit 181; context 235
Length (surv.) 42 mm, max. diam. at tip of spout 6 mm
Transparent colourless glass containing elongated bubbles. Two adjoining fragments from a drawn hollow tubular spout with an oval section.
- 221 **Short fragment from a spout, or possibly a handle** (Fig. 54.221)
Palazzo Vitelleschi, Tarquinia: pit 4, context 18
Height (max.) 20 mm; length (surv.) 28 mm
Transparent pale yellowish-green glass. Short fragment from an oval-sectioned manipulated tubular spout that is more or less straight. The lower wall of the spout is thicker than the upper, while it also become thinner away from the vessel wall.

FINEWARES: WIDE-MOUTHED VESSELS

Footed Bowls

- 222 **Fragments from a reconstructible footed bowl** (Figs 55.222 and 56)
Farfa Abbey: ten contexts from area A2 (847, 849, 1036, 1126, 1130, 1135, 1136, 1137, 1141 and 1390), period 11 and one fragment period 12
Height 63 mm; rim diam. 200 mm; base diam. 96 mm; th. 2.0-5.5 mm
Transparent 'emerald'-green glass with bluish-green streaks and inclusions; many small bubbles that become larger and more elongated towards the rim. Reconstructible bowl formed from eleven fragments, with an everted, fire-rounded rim on a flaring body that becomes thicker towards the bottom, which is set on a pedestal with a folded edge.
Published: Newby 1991, 36, fig. 5a
- 223 **Lower part of bowl and pedestal base** (Fig. 50.223)
Farfa Abbey: area A2, context 237, period 11
Height (surv.) 24 mm; max. diam. 74 mm
Transparent light green seeded glass; made from two paraisons. Lower part of a shallow flaring bowl and spreading foot with pontil mark underneath.
- 224 **Coiled pedestal base, probably from a bowl** (Fig. 57.224)
Farfa Abbey: area A2, context 1127, period 11
Height (surv.) 31 mm; base diam. 40-5 mm
Transparent pale yellowish-green glass. Part of the lower body of a bowl with a pushed-in bottom and decorated with mould-blown ribs, set on an intact, applied coiled pedestal base that bears traces of vertical tooling marks.
- 225 **Coiled pedestal base, probably from a bowl** (Fig. 57.225)
Farfa Abbey: area A2, context 380, period 11
Height (surv.) 30 mm; base diam. 46 mm
Transparent light yellowish-green glass. As for no. 224 above but with a more out-splayed foot.
- 226 **Coiled pedestal base, probably from a bowl**
Farfa Abbey: area A2, context 237, period 11
Height (surv.) 29 mm; base diam. 49 mm
Transparent light yellowish-green seeded glass. As for nos 224-5 above.
- 227 **Mould-blown bowl with an inscribed metal cover** (Fig. 57.227)
San Nicolà dei Cesarini, Rome; now in the Museo Sacro of the Vatican Museums (inv. no. 336)
Height 90 mm; rim diam. 113 mm; base diam. 54 mm
Transparent pale, streaky green glass. Footed bowl with an upright rounded rim on a hemispherical body with a mould-blown pattern of hexagons and lozenges, bottom pushed-in with a slight kick, set on an applied coiled base with vertical tooling marks. This bowl was found with an inscribed lead cover that lists the relics of holy martyrs it contained, which were wrapped individually in 8th- or 9th-century material, each printed with the martyr's name. The cover bears the inscription,

FINEWARES: WIDE-MOUTHED VESSELS

Footed Bowls (continued)

⊗ IN HOC UENERABILI ALTARE REC[ON]DITA
SUNT RELIQ[U]E S[AN]C[T]ORU[M] MARTIRU[M] UIDELICET
S[AN]C[T]I SEBASTIANI FAUSTINI AC BEATRICIS [ET] SERA
FIR ZOE MARTIRIS . PAPIE ET MAURI . MARI ET
MARTHE . GRISANTI ET DARIE . ABDON ET SENNES . MAR
CI ET MARCELLIANI . PAT[ER]NIANI . URBANI M[ARTI]RIS GURDIA
NI ET EPIMACHI . EUSTATHII MARTIRIS . FELICULA UIRGO

Published: Volbach 1936, 346, fig. 11; Fremersdorf 1975, 105, no. 949, pl. 67

Bowls with Pincered 'Toed' Base-Rings

228 **Reconstructible glass bowl (Fig. 58)**

Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7

Height 55 mm; rim diam. 140 mm; base diam. 75 mm

Greenish-colourless glass. Reconstructible small bowl with a reworked rim on slightly concave sides, tapering towards the pushed-in base set on an applied 'toed' base-ring. The lower walls and bottom decorated with applied, self-coloured trails arranged in a random pattern of zigzags, before the base-ring was added.

Published (base only): Whitehouse 1987, 327, no. 24, fig. 4.24; Baumgartner and Krüger 1988, fig. 45 on p. 46

229 **The 'Farfa' bowl (Figs 59 and 60)**

Farfa Abbey: area A1/A2, context 768, phase wc-253, late medieval/post-medieval
Height 114 mm; rim diam. 380-400 mm

Greenish colourless glass. Large bowl with an everted rim folded downwards at the lip, the tip of which is decorated with an applied dark blue trail. The curving walls are decorated with a band of fifteen continuous lozenges in applied dark blue trailing below a horizontal line, the centre of the pushed-in base missing. Set on an applied and pincered 'toed' base-ring in the same glass as the main body.

Published: Whitehouse 1983b, 116-17; Baumgartner and Krüger 1988, no. 323; Newby 1991, 40, fig. 9

Bowls with Hollow-Tubular Base-Rings

230 **Base of bowl or jar (Fig. 65.230)**

Farfa Abbey: area A2, context 1134, period 11

Base diam. 36 mm

Transparent light green glass. Complete domed base pushed-in to form a hollow-tubular base-ring, pontil mark.

231 **Base of bowl or jar (Fig. 65.231)**

Farfa Abbey: area A2, context 1036, period 11

Base diam. 56 mm

Transparent green glass. Fragment from a domed base pushed-in to form a hollow-tubular base-ring, pontil mark.

FINEWARES: WIDE-MOUTHED VESSELS

Bowls Decorated with Applied Prunts

- 232 **Upper body fragments from a prunted bowl** (Figs 61.232 and 69b)
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Height (surv.) 55 mm; rim diam. 127 mm
Transparent pale green glass. Three fragments from a shallow bowl with curved sides and an upright, fire-rounded rim. Decorated with a zone comprising three rows of applied, rounded conical prunts, arranged in quincunx, between two horizontal blue trails. Bottom missing.
Published (as a goblet): Whitehouse 1987, 326, no. 17, fig. 4.17

Bowls Decorated with Applied Trailing or Ribs

- 233 **Upper body with spiral trailing** (Fig. 62.233)
Palazzo Vitelleschi, Tarquinia: pit 410, context 422
Height (surv.) 43 mm; rim diam. 10.6 mm
Transparent light green glass. Fragment from the flaring mouth of a bowl or jar with a fire-rounded rim and decorated with thin applied spiral trailing, wound at least seven times around the lower mouth.
- 234 **Upper body from a vessel with thick ribs** (Fig. 62.234)
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Height (surv.) 62 mm; rim diam. 96 mm
Transparent pale green glass containing many small bubbles. Three small fragments from the upper part of a bowl, possibly footed like no. 236 below. The upright rim with fire-rounded edge, with an applied horizontal trail immediately below. The hemispherical body decorated with prominent vertical ribs, two of original eight (?) extant. Fig. 62.234 is a hypothetical reconstruction.
Published: Whitehouse 1987, 326, no. 16, fig. 4.16
- 235 **Fragments from a thick heavily ribbed vessel** (Figs 63.235 and 64b)
Farfa Abbey: area A2, five contexts (849, 1036, 1037, 1126 and 1127), period 11
Height (surv.) 48 mm; max. diam. 11.8 mm
Thick brownish-yellow glass with a greenish tinge; some large bubbles. Fragments from a body with the remnants of six heavy, applied ribs that become more pronounced towards the bottom. The tip of each rib is marked with a scratched 'X' of unknown function.
Published: Newby 1991, 39-40, fig. 5g
- 236 **Restored footed ribbed bowl** (Fig. 63.236)
Church of Santa Maria Maggiore, Tivoli; now in the Museo del Palazzo Venezia, Rome (inv. no. PV 10189)
Height 85-90 mm; rim diam. 85 mm; base diam. 70 mm
Colourless glass with a straw-coloured tinge; many bubbles, some quite large (almost 10 mm across). Gently flaring mouth with a thickened and fire-rounded rim on a bulbous body with a pushed-in bottom and decorated with thirteen applied ribs of the same metal, set on a spreading foot with a hollow-tubular folded foot.

FINEWARES: WIDE-MOUTHED VESSELS

Bowls Decorated with Applied Trailing or Ribs (continued)

- 237 **Lower body of ribbed bowl or bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 55 mm; max. diam. 54 mm
Thick transparent pale yellowish-green seeded glass. Two non-joining fragments from the lower part of a thick-walled vessel with a pushed-in base (centre missing). The upper part flares outwards and the lower part curves under. The walls are decorated with thick applied vertical ribs, one extant.
- 238 **Upper body from a large bowl with vertical ribs (Fig. 62.238)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 56 mm; rim diam. 140 mm
Transparent very pale greenish-brown glass containing some large bubbles. One fragment forming *c.* 20% of the rounded rim on straight flaring walls, decorated 33 mm below the rim with the faint tops of vertical ribs (two extant). Bottom of vessel missing.

Deep Containers

- 239 **Large deep container (Fig. 55.239)**
Found in an altar of the church of San Giorgio in Velabro, Rome, together with nos 247-51; now in the Museo Sacro of the Vatican Museums (inv. no. 335)
Height 156-75 mm; rim diam. 200 mm; base diam. 100 mm
Transparent light green glass containing many bubbles. Uneven, free-blown, deep, gently flaring container with an everted, thickened and fire-rounded rim; the base pushed-in with a high kick and a pontil mark.
Published: Volbach 1936, 347, fig. 13; Fremersdorf 1975, 104-5, pl. 64

Rim Fragments

- 240 **Rim fragments possibly from a small bowl**
Farfa Abbey: area A2, four contexts (319, 1139, 1166 and 1173), period 11
Rim diam. 110 mm
Transparent pale green glass. Six small fragments of an upright, thickened and fire-rounded rim from a shallow plate or saucer with a flat body or, more probably from a small bowl.
- 241 **Rim fragment from a wide-mouthed vessel**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Rim diam. 140 mm
Colourless glass, greenish-brown at fracture. Fragment making up 20% of a wide-mouthed vessel with a plain reworked rim on a slightly convex body.
- 242 **Fragments from a large wide-mouthed vessel**
Palazzo Vitelleschi, Tarquinia: pit 9, context 39 and pit 181, context 234
Rim diam. *c.* 180-220 mm

FINEWARES: WIDE-MOUTHED VESSELS

Rim Fragments (continued)

Transparent very pale yellowish-green glass. Two small fragments of a plain, reworked rim on straight tapering walls from a large vessel, possibly a tazza or dish.

243 **Rim fragment from a large wide-mouthed vessel (Fig. 55.243)**

Palazzo Vitelleschi, Tarquinia: pit 181, context 234

Rim diam. *c.* 220 mm

Greenish-colourless glass. Fragment of a plain reworked rim and curving sides from a large wide-mouthed vessel, possibly a tazza or dish.

244 **Fragments from the upper part of a large moulded dish (Figs 55.244 and 64a)**

Farfa Abbey: area A2, contexts 319, 380, 1135, 1161 and 1336, period 11

Rim diam. *c.* 260 mm; th. 2.3-3.0 mm

Pale yellowish-green glass. Six fragments, including three joining pieces, from a mould-blown large bowl or dish. The everted, fire-rounded rim folded downwards at the lip; shallow curving walls decorated with faint, depressed ovals (*c.* 17 mm across) arranged in a quincunx pattern below a scratched line; base missing.

Published: Newby 1991, 39, fig. 5.c

FINEWARES: COVERED VESSELS

Undecorated Covered Jars

245 **Covered glass footed bowl**

Find-place unknown; found by Volbach in 1939 in the depot of the Museo Sacro of the Vatican Museums (inv. no. 337)

Height (bowl) 76 mm; rim diam. (bowl) 79 mm

Transparent pale greenish glass containing some bubbles. Free-blown bowl of similar form to no. 227 above, but with a pushed-in base tooled to form a high flattened hollow-tubular foot. Domed glass cover with a wide flat edge and a drawn hollow cylindrical finial with a pontil mark on top.

Published: Fremersdorf 1975, 105, no. 950, pl. 67

246 **Covered footed glass bowl (Fig. 65.246)**

From the Treasury of the Sancta Sanctorum, in the old Lateran Palace, now in the Museo Sacro of the Vatican Museums (inv. no. 449)

Height (bowl) 87 mm; height (total) 123 mm; rim diam. (bowl) 82 mm

Translucent light milky-green glass. The free-blown bowl with an upright, thickened and rounded rim, on a bulbous, hemispherical body and a pushed-in base similar to no. 245, with a positive bulge on the interior. The domed cover with a horizontal rim and tooled flange that fits inside the rim of the bowl; surmounted by a hollow spherical finial and short plain section tooled out of the body of the lid.

Published: Volbach 1941, pl. 13; Fremersdorf 1975, 105, no. 951, pl. 66

247 **Covered glass jar (Fig. 66.247)**

Found concealed in an altar in the church of San Giorgio in Velabro, Rome, with nos 239 and 248-51; now in the Museo Sacro of the Vatican Museums (inv. no. 330)

Height (jar) 38-40 mm; height (total) 79 mm; rim diam. (jar) 45 mm

Transparent light green glass. Small free-blown jar with a thickened and fire-rounded rim, in-curved upper wall and thickened rounded bottom. The domed cover with a spherical finial and short, hollow plain section. Flange formed by an applied coil trailed twice around the widest point of the cover.

Published: Fremersdorf 1975, 104, pl. 65

248 **Covered glass jar**

Found in the church of San Giorgio in Velabro, Rome; now in the Museo Sacro of the Vatican Museums (inv. no. 332)

Height (jar) 38-45 mm; height (cover) 55 mm; rim diam. (jar) 55 mm

Transparent light green glass. As for no. 247, but with a slightly wider body.

Published: Fremersdorf 1975, 104, pl. 66

249 **Covered glass jar**

Found in the church of San Giorgio in Velabro, Rome; now in the Museo Sacro of the Vatican Museums (inv. no. 335)

Height (jar) 36-40 mm; height (cover) 45 mm; rim diam. (jar) 47 mm

Transparent light green glass. As for no. 247 above.

Published: Fremersdorf 1975, 104, pl. 66

FINEWARES: COVERED VESSELS

Undecorated Covered Jars (continued)

250 **Covered glass jar** (Fig. 66.250)

Found in the church of San Giorgio in Velabro, Rome; now in the Museo Sacro of the Vatican Museums (inv. no. 333)

Height (jar) 55 mm; height (total) 108 mm; rim diam. (jar) 72 mm

Transparent light green glass. Free-blown jar with gently convex sides, an incurved, thickened and fire-rounded rim and thickened base. The domed cover with a hollow spherical finial and short, plain section. Flange around the widest part of the cover formed by an applied, thick horizontal coil.

Published: Fremersdorf 1975, 104, pl. 65

251 **Covered glass jar**

Found in the church of San Giorgio in Velabro, Rome; now in the Museo Sacro of the Vatican Museums (inv. no. 331)

Height (jar) 58-60 mm; height (cover) 55 mm; rim diam. (jar) 55 mm

Transparent light green glass. As for no. 250 above.

Published: Fremersdorf 1975, 104, pl. 66

Decorated Covered Jars

252 **Restored covered jar with applied decoration** (Fig. 67)

Church of Santa Maria Maggiore, Tivoli; now in the Museo del Palazzo Venezia, Rome (inv. no. PV 10187)

Height (jar) 120 mm; height (inclu. cover) 164 mm; rim diam. (jar) 92 mm

Colourless glass with a straw-coloured tinge. Free-blown jar with a rounded rim and straight, inward tapering walls, that curve under towards the bottom that is pushed-in to form a hollow-tubular base-ring. The body decorated with crude applied trailing: below the rim two purple horizontal trails, a spiral colourless trail wound twice around the body, a colourless zigzag and spiral trail wound five times around the body, a second colourless zigzag trail, horizontal colourless trail, a purple horizontal trail above colourless chain decoration. The domed cover with inward tapering wall sits inside the body of the jar; the knob on top formed from the same paraison with a tooled, hollow-tubular edge. The cover is decorated in the same manner as the jar with horizontal and zigzag self-coloured trailing.

253 **Large pruned lid** (Figs 68.253 and 69a)

Palazzo Vitelleschi, Tarquinia: pit 4, context 19

Height 122 mm; rim diam. 104 mm; max. diam. 130 mm

Transparent pale green glass. Domed cover with a tooled, hollow-tubular flange and a drawn, hollow section and swelling finial, surmounted by a thick pontil mark. The body of the cover, above the flange, decorated with three rows of applied rounded conical prunts between two self-coloured horizontal trails; the finial decorated with a further eight applied prunts.

Published (as a goblet): Whitehouse 1987, 326, no. 18, fig. 4.18; (as a lid): Baumgartner and Krüger 1988, 45, fig. 43

FINEWARES: COVERED VESSELS

Decorated Covered Jars (continued)

254 **Fragment from a lid decorated with a large prunt** (Fig. 68.254)

Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7

Height (surv.) 22 mm; max. diam. 108 mm.

Transparent light yellowish-green glass. Small fragment with a flat, upper surface that is decorated with a large, flattened prunt and an applied, horizontal trail at the edge with the almost vertical wall. This fragment probably comes from a lid although it is possible that it is from the lower part of an angular bowl.

FINEWARES: SPRINKLERS

- 255 **Fragments from a spherical sprinkler flask (Figs 70 and 71)**
Palazzo Vitelleschi, Tarquinia: pit 4, context 18; pit 9, contexts 20 and 29, and pit 181, context 199
Max. diam. 84 mm
Greenish colourless glass. Many fragments all joining to make two large fragments from a spherical vessel with a narrow neck and decorated with an applied, opaque turquoise spiral trail overlain by trails of opaque turquoise glass with purple streaks that meanders haphazardly over the body.
Published: Whitehouse 1987, 327, no. 28, fig. 4.28
- 256 **Large fragments from a spherical sprinkler flask (Fig. 72)**
Tuscania: pit M3
Max. diam. 80 mm
Colourless glass with a greenish tinge. Two large fragments from the top and bottom of a spherical vessel with a narrow opening at the top and decorated all over with spiral, dark blue trailing.
Published (as a goblet): Lamarque 1973, 128, no. 47, fig. 35.47

FINEWARES: IMPORTED GLASS

Wheel-Cut and Engraved Islamic Glass

- 257 **Lower body from a wheel-engraved beaker** (Fig. 74.257)
Farfa Abbey: area A2, context 237, period 11
H. (surv.) 54 mm; base diam. 40 mm; th. 2.5 mm
Transparent light yellowish-brown glass containing small bubbles. Complete base and lower walls from a beaker with straight flaring walls and solid bottom (c. 16 mm); decorated with a wheel-cut pattern repeated four times around the body.
- 258 **Body fragments from a wheel-engraved beaker** (Fig. 74.258)
Farfa Abbey: area A2, context 1036, period 11
Height (surv.) 27 mm; base diam. 40 mm
Transparent greenish-colourless seeded glass. Three fragments, one from the body and two from the lower part of a beaker with straight walls that curve inwards and thicken at the bottom. The walls are decorated with shallow, short wheel-cut grooves in an indeterminable pattern below a horizontal band.
- 259 **Body fragments from a wheel-cut beaker** (Fig. 74.259)
Farfa Abbey: area A2, contexts 849, 1036, 1111 and 1126, period 11
Height (surv.) 45 mm
Transparent yellowish-colourless glass with slight seeding. Ten body fragments (three illustrated) from a straight-walled beaker with wheel-cut grooves and scratched lines forming a pattern of diamonds within circles and filled with fine cross-hatching, below two horizontal bands.
Published: Newby 1991, 38, fig. 5b

Byzantine Gilt and Enamelled Glass

- 260 **Byzantine gilt and enamelled bottle** (Fig. 75)
Tower-house, Via della Torri, Tarquinia, 1982
H. (restored) 205 mm
Transparent blue glass with gilt decoration that only partly survives as a shadow or stain. Five fragments from a cylindrical bottle with a short neck, rounded shoulders and straight-walled body that tapers inwards slightly towards the bottom (missing). The gilt decoration on the body divided into three zones by double horizontal gilt bands. In the upper zone are three roundels each (?) with a collared running hare, a wide decorative band of gilt crosses and the bottom zone also with three roundels each containing a turtle dove.
Published: Whitehouse 1982

FINEWARES: IMPORTED GLASS

Byzantine Wheel-Cut Glass

261 **Wheel-cut beaker with fish and palm-trees (Figs 77 and 78b)**

Farfa Abbey: area 2, contexts 849, 1036, 1135, 1139, 1177 and 1336, period II
Rim diam. 65 mm

Transparent yellowish-green colourless glass. Twelve fragments from a vessel with straight vertical walls, the rim knocked-off and left rough and decorated with wheel-cut grooves and scratched details. The reconstructible design on the body comprises two five-branched date palms with a fish on either side of the trunks above two horizontal grooves, below, a double guilloche the central roundels of some at least were filled with further fish.

Published: Newby 1987, 265-8, figs 8-11; *idem* 1991, 36, 38, figs 6-7

UTILITARIAN GLASS: BOTTLES

Flattened Bottles

- 262 **Rim, neck and body fragments from a large bottle** (Figs 79.262 and 80a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 136 mm; rim diam. 42 mm
Semi-transparent bluish-green seeded glass with many bubbles and blowing spirals. Fragmentary, most of the neck surviving from a bottle with a short everted, reworked bevelled rim, thick cylindrical neck splaying out towards the rounded shoulders and top of the bulbous body that appears to have flattened sides.
Published: Whitehouse 1987, 330, no. 42, fig. 6.42
- 263 **Fragments from the body of a flattened bottle** (Fig. 79.263)
Palazzo Vitelleschi, Tarquinia: pit 9, contexts 20 and 29
Height (surv.) c. 190 mm; max. diam. c. 188 mm
Transparent very bubbly bluish-green glass. Many fragments from one or possibly two different bottles with rounded shoulders and flattened bulbous bodies with a thickened rounded bottom with part of the pontil still attached.
- 264 **Neck fragments from a flattened bottle** (Fig. 79.264)
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 55 mm; max. diam. 68 mm
Transparent very bubbly bluish-green glass. Two fragments from the bottom of a cylindrical neck and shoulders of a bottle with flattened sides as for nos 262-3 above.
- 265 **Lower body from a flattened flask** (Fig. 79.265)
Palazzo Vitelleschi, Tarquinia: pit 181, context 203
Height (surv.) 126 mm
Transparent light green very bubbly glass. Fragment from the lower part of a small bottle with a rounded base bearing a pontil scar and two flattened sides.
- 266 **Bottom of a flattened flask**
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Transparent yellowish glass. Thick rounded bottom from a flask with two flattened sides, as for no. 265 above.

Large Bottles

- 267 **Neck and upper body fragments from a large bottle** (Figs 80b and 81.267)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 242
Height (surv.) 180 mm; rim diam. 68 mm
Transparent greenish-colourless seeded glass. Many fragments making up 85% of the neck and a small part of a large bottle with a plain rounded rim; long tapering neck on rounded shoulders and globular or similar body.
- 268 **Rim and neck from large bottle** (Fig. 85.268)
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Height (surv.) 47 mm; rim diam. 80 mm

UTILITARIAN GLASS: BOTTLES

Large Bottles (continued)

- Transparent very pale yellowish-green glass with blowing spirals. One fragment forming 25% of a funnel mouth from a large bottle with a rounded, slightly incurved rim. Possibly from a bottle similar to no. 267.
- 269 **Wide mouth from a bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Rim diam. 90 mm
Transparent yellowish-green glass with seed. Four fragments from the wide flaring mouth with a rounded rim from a large bottle like no. 267.
- 270 **Rim and neck from large bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 63 mm; rim diam. 91 mm
Transparent greenish colourless glass with inclusions. Three joining fragments from the wide funnel mouth from a large bottle with a rounded and slightly incurved rim. Possibly from a larger version of no. 267.
- 271 **Neck and upper body from a large bottle** (Figs 81.271 and 82a)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 170 mm; max. diam. 204 mm
Transparent pale yellowish-green glass with bubbles and seed. Repaired from several fragments making up most of the neck and 15% of the body of a bottle. The tall neck, narrow below the rim, splays towards the junction with the broad biconical body.
- 272 **Flaring mouth from a large bottle**
Palazzo Vitelleschi, Tarquinia: pit 179, context 208
Height (surv.) 39 mm; rim diam. 80 mm
Translucent smoky sepia-coloured glass. Fragment from the wide flaring mouth of a large bottle with a thickened rounded rim.
- 273 **Wide mouth from a bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 199
Rim diam. 90 mm
Transparent sepia colourless glass. Fragments forming about 60% of the plain reworked rim from a wide-mouthed bottle or urinal with vertical walls.
- 274 **Upper body from a wide-mouth bottle or urinal** (Fig. 81.274)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) c. 25 mm; rim diam 110-20 mm
Transparent pale yellowish-green seeded glass. Small fragments from the rim and neck of a bottle or possibly an urinal; the plain reworked rim that tapers towards the cylindrical neck with a horizontal bulge c. 21 mm below the rim.

UTILITARIAN GLASS: BOTTLES

Large Bottles (continued)

- 275 **Fragment from the mouth of a bottle** (Fig. 81.275)
Height (surv.) 26 mm; rim diam. 90 mm
Transparent light green glass. Four fragments making up half the plain everted reworked rim, above a shallow bulge, probably from the mouth of a bottle or a urinal with an everted rim, horizontal bulge *c.* 15 mm below and cylindrical neck.
- 276 **Upper body from a wide-mouth bottle or urinal** (Fig. 81.276)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 25 mm; rim diam 100 mm
Transparent light yellowish-green seeded glass. Four fragments (two joining) making a third of the rim from a bottle or urinal with a flaring mouth and a horizontal bulge *c.* 18 mm below the rim.
- 277 **Upper body from a bottle or urinal with neck bulge** (Fig. 81.277)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 44 mm; rim diam. 100 mm
Transparent pale green glass. Eleven fragments forming most of the rim and a small part of the body from a bottle or possibly an urinal; the plain reworked rim that tapers towards the junction with the neck, small horizontal bulge *c.* 18 mm below the rim, then vertical sides.
Published: Whitehouse 1987, 329, no. 37, fig. 5.37
- 278 **Upper body of a bottle with a neck bulge** (Fig. 81.278)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 58 mm
Transparent greenish-colourless glass. Two small fragments from just below the rim of a bottle or urinal with a neck bulge and more or less vertical sides.
- 279 **Wide mouth from a bottle** (Fig. 83.279)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Rim diam. 90 mm
Transparent light greenish glass. Ten fragments forming the entire rim from a wide-mouthed bottle or urinal, the plain reworked rim tapering towards vertical sides.
- 280 **Rim and neck fragments from a large bottle** (Figs 83.280 and 84)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7, 242 and 243
Height (surv.) 174 mm; rim diam. 95 mm
Transparent pale brown seeded glass. Many fragments making up half of the rim and neck from a bottle, the plain reworked rim on a broad cylindrical neck.
Published: Whitehouse 1987, 329, no. 33, fig. 5.33
- 281 **Wide mouth from a bottle** (Fig. 83.281)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Rim diam 90 mm

UTILITARIAN GLASS: BOTTLES

Large Bottles (continued)

- Transparent greenish colourless. Eight joining fragments mostly from the plain rounded rim of a bottle or urinal, that tapers inwards on more or less vertical sides.
- 282 **Rim fragment from a large bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 65 mm; rim diam 80 mm
Transparent very pale green glass. Thin fragment from the plain reworked rim on concave tapering sides of a bottle.
- 283 **Neck fragments from a large bottle** (Fig. 83.283)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Neck diam. c. 60 mm
Transparent yellowish-green glass. Seven fragments from an uneven cylindrical neck and the lower part of a flaring mouth. From a bottle similar to no. 280 above.
- 284 **Wide mouth from a bottle or urinal** (Fig. 83.284)
Palazzo Vitelleschi, Tarquinia: pit 9, contexts 17 and 20
Rim diam 110 mm
Transparent greenish colourless glass containing blowing spirals. Plain reworked rim, flange which inclines inwards; at junction of rim and body, step-like change in profile; then body has curving profile.

Medium-Sized Bottles

- 285 **Reconstructible bottle with rounded bottom** (Fig. 83.285)
Farfa Abbey: area A2, context 1127, period 11
Height 240 mm; max. mouth diam. 33 mm
Transparent greenish-colourless glass containing small bubbles. Many fragments from a bottle with a knocked-off rim, turned inwards on an uneven flaring mouth to create a small opening, short neck and tall but uneven cylindrical body with a thick rounded bottom with part of a pontil still adhering to the underside.
- 286 **Upper part of a bottle with lop-sided rim** (Fig. 85.286)
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 96 mm; max. rim diam. 55 mm
Transparent light green bubbly glass. Two fragments forming the upper part of a bottle with a long cylindrical neck that flares outwards towards the shoulder, the lop-sided flaring mouth appears to have been pulled upwards and outwards to one side to create a crude pouring lip.
- 287 **Upper part of bottle with pouring lip** (Fig. 85.287)
Palazzo Vitelleschi, Tarquinia: pit 181, contexts 236/7 and 242
Height (surv.) 74 mm; max. rim diam. 66 mm

UTILITARIAN GLASS: BOTTLES

Medium-Sized Bottles (continued)

- Transparent light greenish-brown glass with purple streamers and containing many large bubbles. Four joining fragments making 60% of the rim from the upper part of a bottle with a cylindrical neck and an uneven flaring mouth with a pouring lip and rounded rim.
- 288 **Flaring mouth and neck from bottle (Fig. 85.288)**
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Height (surv.) 62 mm; rim diam. 52 mm
Transparent light green bubbly glass. Fragment from the upper part of a bottle with a cylindrical neck, flaring mouth and outplayed, knocked-off rim.
- 289 **Rim and neck fragment from a bottle (Fig. 85.289)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 191
Height (surv.) 40 mm; rim diam. 42 mm
Transparent pale greyish-green glass. Fragment from the distorted upper part of a bottle with a neck that tapers inwards towards the flaring mouth with an uneven rounded rim.
- 290 **Fragment of a bottle mouth (Fig. 85.290)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Height (surv.) 16 mm; rim diam. 47 mm
Transparent light yellowish-green glass. Three small fragments making up a third of the rim, turned slightly outwards and inwards, from the flaring mouth of a bottle.
- 291 **Fragment of a bottle mouth**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Rim diam. 60 mm
Transparent pale green seeded glass. Rim fragment from the flaring mouth of a bottle.
- 292 **Neck fragment from a bottle (Fig. 86.292)**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 44 mm; rim diam. 40 mm
Transparent yellowish-green glass with elongated bubbles. Fragment forming 30% of the cylindrical neck of a small to medium-sized bottle.
- 293 **Neck fragment with swelling (Fig. 86.293)**
Palazzo Vitelleschi, Tarquinia: pit 4, context 18
Height (surv.) 50 mm; max. diam. 26 mm
Transparent pale green glass. Fragment from the cylindrical neck of a small or medium-sized bottle with a gentle horizontal swelling.
- 294 **Neck and shoulder fragment from a small bottle (Fig. 86.294)**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 63 mm

UTILITARIAN GLASS: BOTTLES

Medium-Sized Bottles (continued)

- Transparent pale yellowish-green glass. Fragment from the slender neck of a bottle that gently splays outwards towards the shoulder.
- 295 **Upper part of container with vertical rim** (Fig. 85.295)
Palazzo Vitelleschi, Tarquinia: pit 181, context 227
Height (surv.) 20 mm; rim diam. 37 mm
Greenish-colourless glass. Two joining fragments making the entire rim from the upper part of a bottle or container with a short cylindrical neck with an upright rounded rim and sloping shoulders.
- 296 **Bottle mouth with a small opening** (Fig. 86.296)
Farfa Abbey: area A2, context 1174; period 11
Height (surv.) 10 mm; rim diam. 23 mm; internal diam. 16 mm
Yellowish-colourless glass covered in dark enamel-like weathering. Complete knocked-off rim from a spherical bottle or closed container, the rounded rim turned inwards to create a small opening.

Pushed-in Bottle Bases

- 297 **Pushed-in base with high kick** (Fig. 87.297)
Palazzo Vitelleschi, Tarquinia: pit 72, context 250
Height (kick) 63 mm; base diam. 48 mm
Transparent yellowish-green glass. Fragment from the bottom of a slender bottle with the base pushed-in to form a very high kick.
- 298 **Tip of a high kick from a bottle** (Fig. 87.298)
Palazzo Vitelleschi, Tarquinia: pit 181, context 187
Height (kick) 35 mm
Transparent light olive-green glass containing elongated bubbles. Tip of a high kick as for no. 297 above.
- 299 **Pushed-in base with a domed kick** (Fig. 87.299)
Palazzo Vitelleschi, Tarquinia: pit 181, context 182
Height (kick) 42 mm; base diam 50 mm
Transparent pinkish-yellow glass containing a lot of bubbles. Base fragment from a small bottle, the bottom pushed-in to form a high domed kick.
- 300 **Pushed-in base fragment**
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Base diam. 64 mm
Transparent yellowish glass. Domed kick from the pushed-in base of a bottle, similar to no. 299 above.
- 301 **Pushed-in base fragment**
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Base diam. 65 mm

UTILITARIAN GLASS: BOTTLES

Pushed-in Bottle Bases (continued)

- Transparent light green glass. Fragment of a pushed-in base from a bottle with conical kick and a pontil mark underneath.
- 302 **Pushed-in base fragment**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Base diam. 75 mm
Transparent yellowish-green glass. Pushed-in base of a bottle with a conical kick and a pontil mark underneath.
- 303 **Pushed-in base fragment**
Palazzo Vitelleschi, Tarquinia: pit 181, context 242
Base diam. 75 mm
Transparent sepia-coloured glass. Pushed-in base of a bottle with a conical kick and a pontil mark underneath.
- 304 **Base fragment** (Fig. 87.304)
Farfa Abbey: area A2, context 380, period 11
Base diam. 78 mm
Greenish-colourless seeded glass. Fragment from the lower body of a flask with the remains of pushed-in base.
- 305 **Pushed-in base fragment**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Base diam. 80 mm
Transparent yellowish glass. Pushed-in bottle base with a conical kick and a pontil mark underneath.
- 306 **Kick fragment from a bottle base**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Max. diam. 85 mm
Transparent pale green glass. Fragment from a pushed-in bottle base with a conical kick and a pontil mark underneath.
- 307 **Pushed-in base fragment**
Palazzo Vitelleschi, Tarquinia: pit 181, context 191
Base diam. 90 mm
Transparent greenish-yellow glass. Pushed-in base of a bottle with a conical kick and a pontil mark underneath.
- 308 **Pushed-in base fragment**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Base diam. 100 mm
Transparent light sepia-coloured glass. Fragment from a pushed-in base of a bottle with a conical kick and a pontil mark underneath.

UTILITARIAN GLASS: BOTTLES

Pushed-in Bottle Bases (continued)

- 309 **Kick from a pushed-in bottle base** (Fig. 87.309)
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Max. diam. 100 mm
Transparent pale yellow colourless glass. Part of a conical kick from the pushed-in base of a bottle with a pontil mark underneath.
- 310 **Base fragment** (Fig. 87.310)
Farfa Abbey: area A2, context 1139, period 11
Base diameter > 100 mm
Transparent pale green seeded glass. Fragment from a deep pushed-in base with a pontil mark underneath.
- 311 **Kick from a bottle base**
Palazzo Vitelleschi, Tarquinia: pit 181, context 199
Greenish-colourless glass. Part of a conical kick from the pushed-in base of a bottle with a pontil mark underneath.
- 312 **Kick from a bottle base**
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Transparent light sepia-coloured glass. Conical kick from the pushed-in base of a bottle with a pontil mark underneath.
- 313-
14 **Kicks from two bottle bases**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Transparent pale yellow colourless glass. Two conical kicks from the pushed-in base of two different bottles with pontil marks underneath.
- 315-
16 **Kicks from two bottle bases**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Transparent yellowish-green glass. Two conical kicks from the pushed-in bases of two different bottles with pontil marks underneath.

Rounded Bottoms from Bottles or Urinals

- 317 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 9, context 17
Transparent light sepia-coloured glass. Fragment from the rounded bottom of a bottle or urinal with a cut-off pontil mark.
- 318-
19 **Fragments of two rounded bottoms**
Palazzo Vitelleschi, Tarquinia: pit 9, context 29
Transparent light bluish-green glass. Fragments from the rounded bottom of two different bottles or urinals with a cut-off pontil mark.

UTILITARIAN GLASS: BOTTLES

Rounded Bottoms from Bottles or Urinals

- 320 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 181, context 199
Transparent light yellowish glass. Fragment from the rounded bottom of a bottle or urinal with a cut-off pontil mark.
- 321 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 181, context 228
Transparent pale yellowish glass. Fragment from the rounded bottom of a bottle or urinal with a cut-off pontil mark.
- 322 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Transparent light yellowish-green colourless glass. Fragment from the rounded bottom of a bottle or urinal with a cut-off pontil mark.
- 323 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Transparent light green glass with bluish-green streaks. Fragment from the rounded bottom of a bottle or urinal with a cut-off pontil mark forming a small knob.
- 324-5 **Fragments of two rounded bottoms**
Palazzo Vitelleschi, Tarquinia: pit 181, context 234
Transparent light sepia-coloured glass. Fragments from the rounded bottoms of two different bottles or urinals.
- 326 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Transparent light yellowish-green glass. Fragment from the rounded bottom of a bottle or urinal with a cut-off pontil mark.
- 327 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 181, context 235
Transparent light bluish-green glass. Fragment from the rounded bottom of a bottle or urinal with a cut-off pontil mark.
- 330 **Fragment of a rounded bottom**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Transparent light yellowish-green glass. Fragment from the rounded bottom of a bottle or urinal with a pontil mark.
- 331-2 **Fragment of two rounded bottoms**
Palazzo Vitelleschi, Tarquinia: pit 181, context 243
Transparent light sepia-colourless glass. Fragments from the rounded bottoms of two different bottles or urinals with cut-off pontil marks.

UTILITARIAN GLASS: BOTTLES

Small Bottles

- 333 **Rim, neck and shoulder from a small bottle** (Fig. 86.333)
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 70 mm; rim diam 18 mm
Transparent pale bluish-green bubbly glass. Two joining fragments forming the rim, neck and small part of the body from a small bottle with a short everted reworked rim, cylindrical neck on a globular or similar bulbous body.
Published: Whitehouse 1987, 329, no. 32, fig. 5.32
- 334 **Rim and neck from a small bottle** (Fig. 86.334)
Palazzo Vitelleschi, Tarquinia: pit 9, context 21
Height (surv.) 49 mm; rim diam. c. 15 mm
Transparent greenish colourless glass. Fragment forming two-thirds of the rim and half the neck from a small bottle. Short outplayed reworked rim with a plain lip, cylindrical neck which splays towards the bottom; sloping shoulder.
- 335 **Rim and neck from a small bottle** (Fig. 86.335)
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Height (surv.) 38 mm; rim diam. \pm 16 mm
Transparent very pale bluish-green glass. Two joining fragments forming all of the rim and most of the neck from a small bottle. Plain reworked but irregular everted rim, cylindrical neck and high shoulder.
- 336 **Rim and neck from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 410, context 422
Rim diam. 18 mm
Transparent light bluish-green glass. Rim and neck fragment similar to no. 333 above.
- 337 **Rim and neck from a small bottle** (Fig. 86.337)
Palazzo Vitelleschi, Tarquinia: pit 410, context 422
Height (surv.) 35 mm; rim diam. 19 mm
Transparent light bluish-green glass. Rim and neck fragment from a small plain bottle similar to no. 333 above.
- 338 **Rim and neck from a small bottle** (Fig. 86.338)
Palazzo Vitelleschi, Tarquinia: pit 181, context 229
Height (surv.) 30 mm; rim diam. 19 mm
Transparent very pale green glass with many elongated bubbles, some 3 mm long. Fragment from the rim and neck of a small bottle with an everted reworked rim, cylindrical neck which splays slightly, high shoulder.
Published: Whitehouse 1987, 329, no. 31, fig. 5.31
- 339 **Rim and neck from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Height (surv.) 40 mm; rim diam. 22 mm

UTILITARIAN GLASS: BOTTLES

Small Bottles (continued)

- Transparent pale yellowish glass. Rim and neck fragment from a small plain bottle similar to no. 338 above.
- 340 **Rim and neck from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 181, context 228
Rim diam. 25 mm
Transparent yellowish glass. Fragment forming about 40% of the rim and neck from a small bottle, similar to no 338 above.
- 341 **Neck and shoulder from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Transparent pale yellowish-green glass. Fragment from the lower neck and rounded shoulder of a small plain bottle like no. 333.
- 342 **Neck and shoulder from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 4, context 18
Transparent light greenish glass. Fragment from the cylindrical neck and rounded shoulder of a small plain bottle like no. 333.
- 343 **Rounded bottom from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 9, context 29
Transparent bluish-green glass. Rounded bottom from a small plain bottle with a pontil scar.
- 344 **Rounded bottom from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 9, context 31
Transparent yellowish-green glass. Rounded bottom from a small plain bottle with a pontil mark.
- 345 **Rounded bottom from a small bottle (Fig. 86.345)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 187
Transparent light green glass. Rounded bottom from a small plain bottle with a thickened base and pontil scar.
- 346-7 **Two rounded bottoms from small bottles (Fig. 86.346)**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Transparent yellowish-green glass. Two rounded bottoms from two different small plain bottles, one with part of the pontil still attached.
- 348 **Rounded bottom from a small bottle (Fig. 86.348)**
Palazzo Vitelleschi, Tarquinia: pit 410, context 422
Transparent pale greenish glass. Rounded bottom from a small plain bottle with a pontil mark.

UTILITARIAN GLASS: BOTTLES

Small Bottles (continued)

- 349- **Four rounded bottoms from small bottles** (Fig. 86.349)
52 Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Transparent light greenish glass. Four rounded bottoms from four different small plain bottles with pontil scars.
- 353-5 **Three rounded bottoms from small bottles**
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Transparent light sepia-coloured glass. Three rounded bottoms from three different small plain bottles with pontil scars.
- 354 **Three rounded bottoms from small bottles** (Fig. 86.354)
Palazzo Vitelleschi, Tarquinia: pit 410, context 422
Transparent pale bluish-green glass. Pointed rounded bottoms from three different small plain bottles with pontil scars.
- 355 **Rounded bottom from a small bottle**
Palazzo Vitelleschi, Tarquinia: pit 410, context 423
Transparent pale olive-green glass. Rounded bottom from a small plain bottle with a pontil scar.

UTILITARIAN GLASS: ALEMBICS

356 **Neck fragments from an alembic (Fig 89)**

Palazzo Vitelleschi, Tarquinia: pit 9, contexts 2, 20, 29 and 31, pit 181, context 199

Max. diam. 84 mm

Transparent very pale green glass. Fragments joining to form over half of the rim and neck of an alembic. The plain rim with rounded edge and short cylindrical neck turned outwards, downwards and then upwards to form an internal gully.

Published: Whitehouse 1987, 327, no. 27, fig. 4.27

UTILITARIAN GLASS: URINALS

Wide Flaring Mouths

- 357 **Upper body of a urinal** (Fig. 90.357)
Palazzo Vitelleschi, Tarquinia: pit 181, context 187
Height (surv.) 43 mm; rim diam. 110 mm
Transparent pale yellowish-green glass. Fragment of a plain everted rounded rim from an urinal with vertical walls.
Published: Whitehouse 1987, 327, no. 26, fig. 4.26
- 358 **Upper body of a urinal** (Fig. 90.358)
Palazzo Vitelleschi, Tarquinia: pit 181, context 245
Height (surv.) 48 mm; rim diam. 108 mm
Transparent light green glass with seed or specks of quartz. Three joining fragments forming a complete rim and part of the body from an urinal. The reworked everted rim on straight tapering sides.
- 359 **Rim fragment from a urinal**
Palazzo Vitelleschi, Tarquinia: pit 4, context 19
Rim diam 110 mm
Transparent sepia colourless glass. Fragment forming 20% of a plain reworked flaring rim from a urinal or wide-mouthed bottle.
- 360 **Upper body of a urinal** (Fig. 90.360)
Palazzo Vitelleschi, Tarquinia: pit 181, context 187
Height (surv.) 44 mm; rim diam. 130 mm
Transparent sepia-coloured glass. Fragment forming 15% of an everted mouth and wide tapering upper body of a thin-walled urinal.

Hollow-Tubular Mouths

- 361 **Mouth from a urinal with a hollow-tubular rim** (Fig. 90.361)
Palazzo Vitelleschi, Tarquinia: pit 181, context 182
Rim diam. 110 mm
Transparent pale yellowish-green glass. Two fragments forming a quart of the rim from an urinal with a rounded rim turned inwards and downwards to form a hollow-tubular ring on vertical sides.
Published: Whitehouse 1987, 327, no. 25, fig. 4.25
- 362 **Fragment from a hollow-tubular rim**
Palazzo Vitelleschi, Tarquinia: pit 181, context 230
Rim diam. 130 mm
Transparent pale yellowish-colourless glass. Fragment from a quarter of the rim, tooled to form a hollow-tubular ring, from a wide-mouthed vessel, probably a urinal, as for no. 361.

UTILITARIAN GLASS: HANGING LAMPS

- 363 **Intact hanging lamp** (Fig. 91.363)
Allegedly found in the catacombs, Rome. Museo Sacro of the Vatican Museums (inv. no. MS 236)
Height 120 mm; rim diam. 102 mm; base diam. 63 mm
Transparent pale green glass. Intact hanging lamp with a wide flaring mouth, decorated *c.* 16 mm below the rounded rim with an applied purple spiral trail, wound at least three times around the middle of the mouth. The bulbous body with six small handles, in alternate colourless and purple glass, the bottom pushed-in with a gentle kick and a pontil mark underneath and set on a thick coiled base.
Published: Fremersdorf 1975, 97, no. 885, pl. 61
- 364 **Reconstructible lamp with blue handles** (Figs 91.364 and 92)
Farfa Abbey: area A2, six contexts 1036, 1137, 1139, 1141, 1173 and 1379, period 11
Height (reconstructed) 115 mm; rim diam. 110 mm; base diam. 54 mm
Transparent bubbly green glass. Nine fragments from a hanging lamp with a flaring, fire-rounded rim decorated with a horizontal blue trail 20 mm below the rim, the bulbous body decorated with six applied blue handles (four extant), the bottom pushed-in and set on an applied spiral base-ring.
Published: Newby 1991, 40, fig. 5h
- 365 **Neck and base from hanging lamp** (Figs 93.365 and 94)
Farfa Abbey: area A2, contexts 312 and 315, period 11 and 14
Rim diam. 88 mm; base diam. 38 mm
Transparent greyish-blue glass containing a few bubbles. Three fragments from a hanging lamp with a flaring rounded rim with a horizontal self-coloured trail 14 mm below the rim, the bulbous body with the lower part of a self-coloured handle extant, the base pushed-in to form a hollow-tubular base-ring.
Published: Newby 1991, 40, fig. 5k
- 366 **Fragments from a lamp with turquoise handles**
Farfa Abbey: area A2, four contexts 1135, 1139, 1140 and 1289, period 11
Transparent greenish colourless seeded glass. Four fragments from a hanging lamp with parts of four extant handles in contrasting turquoise glass streaked with red as for nos 363-4.
- 367 **Handle fragment**
Farfa Abbey: area A2, context 380, period 11
Length of handle 38 mm
Transparent greenish-colourless glass containing bubbles. Complete handle as for nos 364 and 366, the top of the handle applied over three thin trails (probably spiral) in the same metal.
- 368 **Fragments from a lamp with pale greyish-green handles** (Fig. 93.368)
Farfa Abbey: area A2, contexts 312 and 1128, period 11
Length of intact handle 40 mm

UTILITARIAN GLASS: HANGING LAMPS

Transparent pale greyish-green glass. Fragments from two complete and the spur of a third handle, applied to the side and then drawn downwards, upwards, outwards, downwards and then reattached to the body to create a loop and the spur flattened against the body wall.

- 369 **Fragment of a handle from a lamp** (Fig. 93.369)
Palazzo Vitelleschi, Tarquinia: pit 181, context 236/7
Length 37 mm

Transparent pale green bubbly glass. Single fragment from the body of a hanging lamp with a single handle, made in the same metal, applied in a similar manner as no. 368.

- 370 **Large handle from a lamp** (Fig. 93.370)
Farfa Abbey: area A2, context 560, period 11
Length of handle 62 mm

Transparent greenish-colourless glass containing a few small bubbles. Complete thick large handle with a small loop and a large spur with a corresponding large positive bulge on the interior of the vessel.

APPENDIX B: Truncated-Conical Beakers from the Palazzo Vitelleschi, Tarquinia

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
1	4	13	Circular bosses	Bluish-green	70
2	4	18	Unknown	Bluish-green	40
3	4	18	Vertical ribbing	Sepia colourless	43
4	9	2	Unknown	Yellowish	45
5	9	10	Circular bosses	Light green colourless	62
6	9	12	Unknown	Decomposed	48
7	9	12	Hexagons	Light bluish-green	50
8	9	12	Hexagons	Pale green	48
9	9	12	Hexagons	Pale green	48
10	9	17	Plain	Yellow colourless	60
11	9	17	Plain	Light sepia	50
12	9	17	Plain	Light sepia colourless	45
13	9	17	Plain	Pale yellowish-green	45
14	9	17	Circular bosses	Pale yellow, iridescent	43
15	9	17	Med./large circular bosses	Pale yellow, iridescent	55
16	9	17	Med./large circular bosses	Light yellow	55
17	9	17	Med./large circular bosses	Pale yellowish-green	53
18	9	17	Med./large circular bosses	Light sepia	33
19	9	17	Squares/Rectangles	Light yellowish-green	43
20	9	20	Large circular bosses	Yellow-green colourless	46
21	9	20	Circles/hexagons	Light yellowish-green	40
22	9	20	Vertical ribbing	Light green colourless	60
23	9	29	Plain	Pale yellow colourless	45
24	9	29	Plain	Light yellowish-green	45
25	9	29	Large circles	Pale yellow	55
26	9	29	Circular bosses	Light bluish-green	55
27	9	29	Circular bosses	Pale sepia colourless	45

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
28	9	29	Circular bosses?	Pale green colourless	43
29	9	29	Small circular depressions	Pale green	45
30	9	29	Ribbing	Light bluish-green	40
31	9	29	Hexagons	Yellowish	42
32	9	29	Hexagons	Light sepia	55
33	9	29	Hexagons	Sepia colourless	38
34	9	29	Hexagons	Sepia colourless	40
35	9	29	Large diamonds	Pale green	52
36	9	31	Plain	Pale yellow	48
37	9	31	Plain	Pale yellow colourless	42
38	9	31	Plain (thicker glass)	Pale yellow	45
39	9	31	Circular bosses	Light sepia	48
40	9	31	Circular bosses	Colourless	45
41	9	31	Circular bosses	Almost colourless	46
42	9	31	Circular bosses	Yellow/light sepia	53
43	9	31	Circular bosses	Light yellow/sepia	42
44	9	31	Circular bosses	Light yellow/sepia	42
45	9	31	Circular bosses	Light sepia	35
46	9	31	Circular bosses	Light sepia	38
47	9	31	Circular bosses	Light sepia	42
48	9	31	Circular bosses	Light sepia	55
49	9	31	Circular bosses	Pale sepia	53
50	9	31	Circular bosses	Pale yellowish-green	42
51	9	31	Circular bosses	Pale yellowish-green	45
52	9	31	Circular bosses	Pale yellowish-green	53
53	9	31	Faint circular bosses	Yellow-green colourless	53
54	9	31	Circular bosses	Pale green	45
55	9	31	Vertical ribbing	Pale green colourless	38

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
56	9	31	Vertical ribbing	Greenish colourless	40
57	9	31	Ribbing	Pale green colourless	38
58	9	31	Ribbing	Pale green colourless	40
59	9	31	Ribbing	Pale green colourless	50
60	9	31	Hexagons	Light sepia	38
61	9	31	Hexagons	Pale sepia	40
62	9	31	Hexagons	Pale green	45
63	9	31	Hexagons	Pale green colourless	44
64	9	31	Hexagons	Light bluish-green	40
65	9	31	Squares/Rectangles	Pale green colourless	44
66	180	186	Med./large circular bosses	Sepia colourless	60
67	180	186	Large circular bosses	Light yellowish-green	40
68	180	186	Vertical ribbing	Light yellowish-green	42
69	180	193	Plain (thicker glass)	Yellow colourless	45
70	180	195	Plain	Yellow colourless	42
71	180	195	Unknown	Green colourless	50+
72	180	195	Unknown	Bluish-green	50+
73	180	195	Large circular bosses	Yellow colourless	48
74	180	202	Vertical ribbing	Pale sepia colourless	40
75	180	202	Vertical ribbing	Light yellowish-green	42
76	180	202	Vertical ribbing	Pale green colourless	42
77	180	206	Plain	Yellowish	40
78	180	206	Plain	Yellowish	40
79	180	206	Plain	Yellowish	40
80	180	206	Plain	Yellowish	40
81	180	206	Unknown	Light yellow	45
82	180	206	Circular bosses	Yellowish	50
83	180	206	Circular bosses	Yellowish	50

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
84	180	206	Circular bosses	Yellowish-green	50
85	180	206	Circular bosses	Yellowish-green	50
86	180	206	Vertical ribbing	Sepia colourless	42
87	180	206	Vertical ribbing	Sepia colourless	42
88	180	206	Vertical ribbing	Sepia colourless	42
89	180	206	Vertical ribbing	Sepia colourless	42
90	180	206	Vertical ribbing	Sepia colourless	42
91	180	206	Vertical ribbing	Sepia colourless	50
92	180	206	Vertical ribbing	Yellowish-green	42
93	180	206	Vertical ribbing	Yellowish-green	42
94	180	206	Vertical ribbing	Yellowish-green	42
95	180	206	Vertical ribbing	Yellowish-green	42
96	180	206	Vertical ribbing	Yellowish-green	42
97	180	206	Vertical ribbing	Pale green	40
98	180	214	Unknown	Bluish-green	50
99	180	214	Unknown	Plain green	42
100	180	214	Unknown	Yellowish-green	43
101	180	214	Med./large circular bosses	Pale sepia colourless	50
102	181	187	Vertical ribbing	Pale yellow colourless	42
103	181	187	Vertical ribbing	Pale green	42
104	181	187, 191	Vertical ribbing, rosette	Yellowish-green	48
105	181	191	Circular bosses	Pale yellow	42
106	181	191	Circular bosses	Pale yellow	46
107	181	191	Circular bosses	Pale yellow colourless	42
108	181	191	Circular bosses	Dull pinkish-yellow	55
109	181	191	Circular bosses	Dull pinkish-yellow	?
110	181	191	Circular bosses	Pale yellowish-brown	50
111	181	191	Small circular bosses	Light yellowish-green	38

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
112	181	191	Vertical ribbing	Light yellowish-green	?
113	181	191	Vertical ribbing	Light yellowish-green	?
114	181	199	Plain	Milky colourless	70
115	181	199	Plain	Pale yellow colourless	40
116	181	199	Plain (thicker glass)	Yellowish-green	42
117	181	199	Plain	Yellow-green colourless	52
118	181	199	Plain	Pale greenish colourless	50
119	181	199	Large circular bosses	Pale yellow colourless	45
120	181	199	Large circular bosses	Pale yellow colourless	62
121	181	199	Large circular bosses	Pale yellowish-green	60
122	181	199	Large circular bosses	Pale yellowish-green	55
123	181	199	Large circular bosses	Yellow-green colourless	55
124	181	199	Large circular bosses	Pale green colourless	50
125	181	199	Large circular bosses	Pale greenish-yellow	52
126	181	199	Large circles/hexagons	Pale green colourless	56
127	181	199	Med./large circular bosses	Yellowish-green	60
128	181	199	Circular bosses	Light yellowish-brown	52
129	181	199	Circular bosses	Pale green colourless	40
130	181	199	Circular bosses?	Pale yellowish-green	55
131	181	199	Circular bosses	Light bluish-green	50
132	181	199	Circular bosses	Light bluish-green	50
133	181	199	Circular bosses	Light bluish-green	55
134	181	199	Faint circular bosses	Pale green	43
135	181	203	Plain	Yellowish-green	45
136	181	205	Unknown	Yellow-green colourless	?
137	181	205	Unknown	Yellow-green colourless	?
138	181	205	Ribbed	Yellow-green colourless	42
139	181	215	Circular bosses	Yellow-brown colourless	55

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
140	181	221	Plain	Dull yellowish	45
141	181	221	Plain	Dull yellowish	45
142	181	222	Plain	Pale green	54
143	181	222	Circular bosses	Light sepia colourless	45
144	181	227	Plain	Yellow	50
145	181	227	Plain	Yellow	55
146	181	227	Plain	Pale yellow colourless	43
147	181	227	Plain	Yellow-green colourless	52
148	181	227	Plain	Light green	53
149	181	227	Plain	Pale green	38
150	181	227	Unknown	Dull yellow	?
151	181	227	Unknown	Pale yellowish-brown	50
152	181	227	Large circular bosses	Light yellow	55
153	181	227	Large circular bosses	Light yellow	58
154	181	227	Large circular bosses	Light yellowish-green	52
155	181	227	Large circular bosses	Light yellowish-green	55
156	181	227	Large circular bosses	Light yellowish-green	55
157	181	227	Faint large circular bosses	Pale green	58
158	181	227	Circular bosses	Light yellow	52
159	181	227	Circular bosses	Pale yellow	41
160	181	227	Circular bosses	Light yellowish-brown	36
161	181	227	Circular bosses	Light yellowish-brown	36
162	181	227	Circular bosses	Light yellowish-brown	42
163	181	227	Circular bosses	Pale yellowish-brown	50
164	181	227	Circular bosses	Pale yellowish-brown	50
165	181	227	Circular bosses	Pale yellowish-brown	50
166	181	227	Circular bosses	Pale yellowish-brown	54
167	181	227	Circular bosses	Light sepia colourless	52

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
168	181	227	Circular bosses	Bright light green	40
169	181	227	Circular bosses	Pale bluish-green	48
170	181	227	Circular bosses	Brown-green colourless	37
171	181	227	Circles with points	Light yellowish-brown	42
172	181	227	Circles/ovals in diaper	Pale yellowish-brown	50
173	181	227	Vertical ribbing	Light yellow	40
174	181	227	Vertical ribbing	Light yellow	42
175	181	227	Vertical ribbing	Light yellow	45
176	181	227	Faint vertical ribbing	Light green	50
177	181	227	Small ovals?	Pale yellowish-brown	50
178	181	227	Small ovals?	Pale yellowish-brown	?
179	181	228	Plain	Light yellow	?
180	181	228	Plain	Light yellow	?
181	181	228	Plain	Light yellow	?
182	181	228	Plain	Light yellow	?
183	181	228	Plain	Bluish-green	42
184	181	228	Unknown	Yellowish-green	52
185	181	228	Large circular bosses	Light sepia	50
186	181	228	Large circular bosses	Light sepia	55
187	181	228	Large circular bosses	Yellowish-green	50
188	181	228	Circular bosses	Bluish-green	40
189	181	228	Circular bosses	Bluish-green	42
190	181	228	Circular bosses	Pale green	45
191	181	228	Vertical ribbing	Yellowish	40
192	181	229	Plain	Light yellow	?
193	181	229	Plain	Pale yellow	55
194	181	229	Plain	Pale yellow	58
195	181	229	Plain	Pale yellow colourless	45

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
196	181	229	Plain	Pale yellow colourless	55
197	181	229	Plain	Pale yellow colourless	60
198	181	229	Plain	Pale yellow colourless	60
199	181	229	Plain	Light yellowish-green	58
200	181	229	Plain	Pale yellowish-green	59
201	181	229	Plain	Yellow-green colourless	50
202	181	229	Plain	Yellow-green colourless	55
203	181	229	Plain	Yellow-green colourless	55
204	181	229	Plain	Yellow-green colourless	60
205	181	229	Plain	Pale green	53
206	181	229	Plain	Pale green	54
207	181	229	Plain	Pale green colourless	53
208	181	229	Plain	Bluish-green	48
209	181	229	Plain	Bluish-green	38
210	181	230	Plain	Pale yellowish	48
211	181	230	Plain	Light bluish-green	42
212	181	230	Plain	Light bluish-green	45
213	181	230	Plain	Pale bluish-green	38
214	181	230	Plain	Pale bluish-green	42
215	181	230	Unknown	Light sepia	48
216	181	230	Unknown	Sepia colourless	40
217	181	230	Unknown	Pale rose	38
218	181	230	Unknown	Pale greenish-yellow	40
219	181	230	Unknown	Pale green	40
220	181	230	Large circular bosses	Pale yellow colourless	50
221	181	230	Large circular bosses	Green-yellow colourless	45
222	181	230	Large circular bosses	Yellowish-green	50
223	181	230	Large circular bosses	Light yellowish-green	50

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
224	181	230	Large circular bosses	Pale yellowish-green	40
225	181	230	Med./large circular bosses	Light sepia colourless	40
226	181	230	Circular bosses	Yellowish	50
227	181	230	Circular bosses	Yellowish	52
228	181	230	Circular bosses	Light yellow	38
229	181	230	Circular bosses	Light yellow	52
230	181	230	Circular bosses	Light yellow	52
231	181	230	Circular bosses	Light sepia	45
232	181	230	Circular bosses	Light sepia	48
233	181	230	Circular bosses	Light sepia	48
234	181	230	Circular bosses	Light sepia	48
235	181	230	Circular bosses/hexagons	Light sepia	50
236	181	230	Circular bosses	Light sepia	50
237	181	230	Circular bosses	Light sepia	50
238	181	230	Circular bosses	Pale sepia	48
239	181	230	Circular bosses	Pale sepia colourless	42
240	181	230	Circular bosses	Pale sepia colourless	50
241	181	230	Circular bosses	Light yellowish-green	45
242	181	230	Circular bosses	Light yellowish-green	48
243	181	230	Circular bosses/hexagons	Light yellowish-green	50
244	181	230	Circular bosses	Light yellowish-green	55
245	181	230	Circular bosses	Pale yellowish-green	40
246	181	230	Circular bosses	Pale yellowish-green	42
247	181	230	Circular bosses	Pale yellowish-green	50
248	181	230	Circular bosses	Yellow-green colourless	43
249	181	230	Circular bosses	Yellow-green colourless	50
250	181	230	Circular bosses	Yellow-green colourless	50
251	181	230	Circular bosses	Yellow-green colourless	55

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
252	181	230	Circular bosses	Yellow-green colourless	55
253	181	230	Circular bosses	Pale green	50
254	181	230	Circular bosses	Pale green	50
255	181	230	Circular bosses	Pale green? iridescent	50
256	181	230	Circular bosses	Pale green colourless	36
257	181	230	Circular bosses	Pale green colourless	50
258	181	230	Circular bosses	Bluish-green	48
259	181	230	Ribbing	Light yellow	45
260	181	230	Ribbing	Light yellowish-green	53
261	181	230	Ribbing	Light green	42
262	181	230	Vertical ribbing	Light yellow	38
263	181	230	Vertical ribbing	Light yellow	40
264	181	230	Vertical ribbing	Light yellow	40
265	181	230	Vertical ribbing	Light yellow	40
266	181	230	Vertical ribbing	Light yellow	42
267	181	230	Vertical ribbing	Light yellow	42
268	81	230	Vertical ribbing	Light yellow	42
269	181	230	Vertical ribbing	Light yellow	45
270	181	230	Vertical ribbing	Pale yellow	42
271	181	230	Vertical ribbing	Pale yellow	42
272	181	230	Vertical ribbing	Pale yellow	50
273	181	230	Vertical ribbing	Light sepia	42
274	181	230	Vertical ribbing	Light sepia	48
275	181	230	Vertical ribbing	Light sepia	50
276	181	230	Vertical ribbing	Pale sepia	40
277	181	230	Vertical ribbing	Pale sepia	45
278	181	230	Vertical ribbing	Greenish colourless	38
279	181	230	Vertical ribbing	Greenish colourless	45

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
280	181	230	Vertical ribbing	Pale yellowish-green	40
281	181	230	Vertical ribbing	Pale yellowish-green	40
282	181	230	Vertical ribbing	Pale green colourless	60
283	181	230	Hexagons	Pale green	45
284	181	230	Hexagons	Pale green	45
285	181	230	Hexagons	Pale green	45
286	181	230	Hexagons	Pale green	45
287	181	230	Diamonds, ring/dot	Pale green colourless	42
288	181	230	Squares /Rectangles	Pale yellow colourless	50
289	181	234	Plain	Pale yellow colourless	50
290	181	234	Plain	Pale pinky yellow	?
291	181	234	Plain (thicker glass)	Light yellowish-green	45
292	181	234	Plain	Light green	36
293	181	234	Plain	Light green colourless	45
294	181	234	Plain	Pale green colourless	42
295	181	234	Plain	Light bluish-green	42
296	181	234	Unknown	Light bluish-green	42
297	181	234	Unknown	Light bluish-green	42
298	181	234	Unknown	Decomposed	38
299	181	234	Unknown	Decomposed	40
300	181	234	Unknown	Decomposed	40
301	181	234	Unknown	Decomposed	40
302	181	234	Unknown	Decomposed	42
303	181	234	Circular bosses	Pale sepia colourless	45
304	181	234	Faint ribbing	Pale green colourless	48
305	181	234	Faint ribbing	Pale green colourless	55
306	181	234	Vertical ribbing	Light yellow	42
307	181	234	Vertical ribbing	Light yellow	42

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
308	181	234	Vertical ribbing	Pale yellow colourless	40
309	181	234	Vertical ribbing	Pale green colourless	40
310	181	234	Vertical ribbing	Pale green colourless	50
311	181	234	Vertical ribbing	Light yellowish-green	40
312	181	234	Vertical ribbing	Yellow-green colourless	42
313	181	234	Hexagons	Sepia colourless	36
314	181	234	Diamonds	Pale yellowish-green	45
315	181	235	Plain	Pale yellow colourless	50
316	181	235	Plain	Light yellowish-green	53
317	181	235	Plain	Pale yellowish-green	51
318	181	235	Plain	Bluish-green	45
319	181	235	Unknown	Yellow colourless	?
320	181	235	Circular bosses	Pale yellow	48
321	181	235	Circular bosses	Pale yellow colourless	40
323	181	235	Circular bosses	Sepia colourless	49
323	181	235	Circular bosses	Light yellowish-green	50
324	181	235	Circular bosses	Pale yellowish-green	36
325	181	235	Vertical ribbing	Light yellow	40
326	181	235	Vertical ribbing	Light sepia	42
327	181	235	Vertical ribbing	Pale sepia colourless	50
328	181	235	Vertical ribbing	Light yellowish-green	40
329	181	235	Vertical ribbing	Yellow-green colourless	38
330	181	235	Vertical ribbing	Yellow-green colourless	38
331	181	235	Vertical ribbing	Yellow-green colourless	40
332	181	235	Vertical ribbing	Yellow-green colourless	40
333	181	235	Vertical ribbing	Yellow-green colourless	40
334	181	235	Vertical ribbing	Pale green colourless	38
335	181	236/237	Plain	Light sepia	58

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
336	181	236/237	Plain	Sepia colourless	?
337	181	236/237	Plain	Pale yellowish-green	70
338	181	236/237	Unknown	Light sepia	?
339	181	236/237	Unknown	Light greenish-yellow	58
340	181	242	Plain	Pale yellow	42
341	181	242	Circular bosses	Sepia colourless	46
342	181	242	Circular bosses	Sepia colourless	48
343	181	242	Circular bosses	Yellow-green colourless	40
344	181	243	Plain	Pale yellowish-green	50
345	410	411	Unknown	Light bluish-green	42
346	410	414	Large circular bosses	Pale greenish-yellow	35
347	410	414	Large circular bosses	Pale greenish-yellow	40
348	410	414	Large circular bosses	Pale greenish-yellow	42
349	410	414	Hexagons	Green-yellow colourless	35
350	410	414, 420	Circular bosses	Light greenish-yellow	35
351	410	417	Medium circular bosses	Pale yellow	42
352	410	417	Small hexagons	Dull pale yellow	42
353	410	417	Small hexagons	Pinkish yellow	46
354	410	420	Elongated ovals	Light bluish-green	38
355	410	420, 422	Vertical ribbing	Bluish-green	44
356	410	420, 422	Vertical ribbing	Light bluish-green	44
357	410	421, 422	Vertical ribbing	Pale green	60
358	410	421, 422	Vertical ribbing	Pale green colourless	60
359	410	422	Unknown	Bluish-green	45
360	410	422	Unknown	Light bluish-green	40
361	410	422	Unknown	Light bluish-green	44
362	410	422	Unknown	Light bluish-green	44
363	410	422	Unknown	Light bluish-green	48

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
364	410	422	Unknown	Light bluish-green	?
365	410	422	Unknown	Light bluish-green	?
366	410	422	Unknown	Bluish-green colourless	42
367	410	422	Unknown	Pale green	46
368	410	422	Unknown	Greenish colourless	40
369	410	422	Unknown	Greenish colourless	44
370	410	422	Ribbing	Yellowish-green	43
371	410	422	Vertical ribbing	Pale yellowish-green	58
372	410	422	Vertical ribbing	Greenish-colourless	46
373	410	422	Vertical ribbing	Pale green colourless	44
374	410	422	Vertical ribbing	Pale green colourless	44
375	410	422	Ovals/diamonds	Bluish-green	48
376	410	423	Unknown	Bluish-green	37
377	410	423	Unknown	Bluish-green	50
378	410	423	Unknown	Bluish-green	70
379	410	423	Unknown	Bluish-green	?
380	410	424	Unknown	Pale green	45
381	410	424	Unknown	Light bluish-green	40
382	410	424	Unknown	Bluish-green colourless	44
383	410	424	Unknown	Bluish-green colourless	52
384	410	424	Vertical ribbing	Pale green colourless	55
385	410	424	Vertical ribbing	Pale green colourless	58
386	410	424	Vertical ribbing	Pale green colourless	65
387	410	424	Vertical ribbing	Pale yellow colourless	?
388	410	424	Pointed ovals	Bluish-green	50
389	410	424	Pointed ovals	Bluish-green	65
390	410	432	Small ovals	Bluish-green	?
391	410	435	Vertical ribbing	Pale green	50

No.	Pit	Context	Mould-Blown Decoration	Colour of Glass	D.Base (mm)
392	410	435	Pointed ovals	Bluish-green	55
393	410	437	Unknown	Pale yellowish-green	70

APPENDIX C: List of Identified Coins from the Palazzo Vitelleschi, Tarquinia

No.	PIT	CON-TEXT	DATE OF COIN	MINT	DENOMI-NATION	COIN NO.
1	4	19	1184-c.1250	Rome	Denaro	31
2	9	10	Benedict XII, 1334-1342	Montefiascone	Denaro	4
3	9	10	2nd half 14th century	Lucca	Denaro	3
4	9	10	2nd half 14th century	Pisa	Denaro	1
5	9	10	2nd half 14th century	Spoletto	Quattrino	2
6	9	17	14th century	Perugia	Denaro	12
7	9	17	14th century	Perugia	Denaro	15
8	9	17	14th century	Perugia	Sestino	5
9	9	17	14th century	Perugia	Picciolo	6
10	9	17	2nd half 14th century	Lucca	Denaro	13
11	9	17	2nd half 14th century	Pisa	Denaro	9
12	9	20	14th century	Lucca	Denaro	19
13	9	20	Mid-14th century	Florence	Quattrino	20
14	9	29	1321?	Perugia	Grosso	24
15	9	29	2nd half 14th century	Lucca	Denaro	21
16	9	29	2nd half 14th century	Lucca	Denaro	22
17	9	29	2nd half 14th century	Lucca	Denaro	23
18	9	31	13th-14th century	Viterbo	Denaro	28
19	9	31	14th century	Florence	Denaro	27
20	9	31	2nd half 14th century	Lucca	Denaro	26
21	9	31	2nd half 14th century	Rome	Denaro	29
22	179	204	2nd half 12th century	Lucca	Denaro	34
23	180	206	John XXII, 1313-1334	Montefiascone	Denaro	36
24	181	215	14th century	France	Tessere	38
25	181	215	14th century?	Florence	Quattrino	37
26	181	221	Robert of Anjou, 1309-1343	Naples	Denaro	39
27	181	222	John XXII, 1313-1334	Montefiascone	Denaro	40

NO.	PIT	CON-TEXT	DATE OF COIN	MINT	DENOMI-NATION	COIN NO.
28	181	222	John XXII, 1313-1334	Montefiascone	Denaro	41
29	181	222	Urban V, 1362-1370	Avignon	Doppio Denaro	52
30	181	227	14th century	Florence	Quattrino	45
31	181	227	John XXII, 1313-1334	Montefiascone	Denaro	53
32	181	227	2nd half 14th century	Lucca	Picciolo	42
33	181	227	2nd half 14th century	Lucca	Picciolo	43
34	181	227	2nd half 14th century	Lucca	Picciolo	54
35	181	227	2nd half 14th century	Lucca	Denaro	56
36	181	228	John XXII, 1313-1334	Macerato	Denaro	59
37	181	228	John XXII or Benedict XII, 1313-1342	Montefiascone	Denaro	58
38	181	228	2nd half 14th century	Lucca	Picciolo	57
39	181	229	4th-5th century	Roman	Piccolo	71
40	181	229	14th century	Rome	Denaro	65
41	181	229	1321?	Perugia	Picciolo	62
42	181	229	1321?	Perugia	Picciolo	66
43	181	229	John XXII, 1313-1334	Montefiascone	Denaro	70
44	181	229	John XXII, 1313-1334	Montefiascone	Denaro	73
45	181	229	John XXII or Benedict XII, 1313-1342	Montefiascone	Denaro	67
46	181	229	Benedict XII, 1334-1342	Montefiascone	Denaro	64
47	181	229	1340?	Perugia	Sestino	61
48	181	229	1340?	Perugia	Sestino	68
49	181	230	4th-5th century	Roman		80
50	181	230	14th century	Rome	Denaro	81
51	181	230	14th century	Rome	Denaro	83
52	181	230	John XXII, 1313-1334	Montefiascone	Denaro	76
53	181	230	John XXII, 1313-1334	Montefiascone	Denaro	79
54	181	230	John XXII, 1313-1334	Montefiascone	Denaro	82

NO.	PIT	CON-TEXT	DATE OF COIN	MINT	DENOMI-NATION	COIN NO.
55	181	230	John XXII or Benedict XII, 1313-1342	Montefiascone	Denaro	84
56	181	230	1340?	Perugia	Sestino	75
57	181	230	2nd half 14th century	Lucca	Picciolo	78
58	181	234	1321?	Perugia	Picciolo	109
59	181	234	Benedict XII, 1334-1342	Montefiascone	Denaro	87
60	181	235	13th-14th century	Viterbo	Denaro	98
61	181	235	Benedict XII, 1334-1342	Montefiascone	Denaro	96
62	181	235	1340?	Perugia	Sestino	101
63	181	236, 237	3rd century AD	Roman	Sitratta	112
64	181	236, 237	13th-14th century	Viterbo	Denaro	105
65	181	242	2nd half 12th century	Lucca	Denaro	116
66	181	243	2nd half 12th century	Lucca	Denaro	117
67	181	243	2nd half 12th century	Lucca	Denaro	119
68	181	243	2nd half 12th century	Pisa	Denaro	118
69	-	101	Guidabaldo II, 1538-1574	Urbino		33
70	-	U/S	Clement VIII, 1600	Rome		32

APPENDIX D: Table of the Types, Characteristics and Prices of Glass Vessels Produced in Bologna in 1389

Table of the types, characteristics and prices of glass vessels produced in Bologna, according to the names listed in *Statuti Comunali* of 1389 (Archivio di Stato di Bologna, Archivio del Comune Statuto del 1389, Libro 6, rubr. 57, cc. 372r.-v; after Nepoti 1987, table 1 on p. 140).

Vessels	Quality of Glass	Unit Weight	Unit price in 'bolognini piccoli'
Inghistaria	verde	once 7	9
Inghistaria	bianco cristallino	once 7	12
Bocalitus de meza	verde	once 5 1/2	6
Bocalitus de meza	bianco cristallino	once 5 1/2	7
Bocalitus de piçola et terçarola	verde	once 3	4
Bocalitus de piçola et terçarola	bianco cristallino	once 3	5
Orinalis		once 3	10*
Ciati gambasini	verde	libre 1/13	12/12
Ciati gambasini	bianco cristallino	libre 1/11	12/8
Ciati cristalini	verde	libre 1/8	12/5
Ciati cristalini	bianco cristallino	libre 1/7	12/4
Zuche de meza		once 3	9*
Zuche de quarta		once 4 1/2	16*
Zuche de duabus quartis		once 8	24*
Zuche maiores duarum quartarum		in proporzione alle precedenti	8 per ogni quarte oltre le prime due

* cum coperta

APPENDIX E: Inventory of the Glass-House of Ottaviano del fu Venturino in a Veronese Contract of 15 March, 1409

Veronese contract of 15 March, 1409, between Ottaviano del fu Venturino, *magister a miolis*, and Antonio Carletti, *draperiu*. The latter's share was 250 ducati d'oro, while Venturino put up his house with his shop (*bottega*), installations (*impianti*), raw materials (*materie prime*) and products (*prodotti*), that were catalogued and valued as follows in the table below (Atti Ufficio Registro, c. 482; copied from Nepoti 1991, 133-4).

impianti:

formax et calchara ubi laborantur vitrea 4 ducati d'oro

materie prime e attrezzature:

<i>lumen cogolum et sablonum (et alia)</i>	lire 27 soldi 12
687 libbre <i>lumo a la grossa</i>	16 ducati d'oro
200 libbre <i>manganexo</i>	5 ducati d'oro
28 libbre <i>azuro</i>	4 ducati d'oro
20 dozzine <i>chaenelis</i>	1 ducato d'oro
500 <i>souri a cixendellis</i>	lire 5
13 <i>paele tere de Costantinpoli</i>	13 ducati d'oro
2,746 libbre <i>rotaminis</i>	denari 6 la libbra
658 libbre <i>arsicij</i>	denari 3 la libbra
255 libbre <i>frita veteri de illa que se tenebat ad calcharam</i>	lire 6

prodotti:

8,700 <i>mioli de foça</i>	soldi 20 il centinaio
18,500 <i>mioli gambasini</i>	soldi 15 il centinaio
2,400 <i>mioli de meça</i>	soldi 30 il centinaio
8,010 <i>mioli de fillo</i>	soldi 20 il centinaio
400 <i>mioli cristalini</i>	soldi 30 il centinaio
1,550 <i>bochali de meça</i>	soldi 40 il centinaio
2,870 <i>bochali, compensatis 100 bochaletis</i>	lire 4 soldi 10 il centinaio
100 <i>bocchale a cembola</i>	lire 4 soldi 10 il centinaio
140 <i>bochaleti tridentini</i>	soldi 40 il centinaio
260 <i>orinali</i>	soldi 1 l'uno
80 <i>marçoline</i>	lire 3 il centinaio
65 <i>cixendelli veneti</i>	lire 7 soldi 10 il centinaio
100 <i>cixendelli</i>	lire 5 il centinaio
25 <i>lampade</i>	soldi 4 l'una
100 <i>ampolete ab altare cum ventosis simul</i>	lire 3 il centinaio
200 <i>vesigete</i>	-
100 <i>balle</i>	soldi 16 il centinaio
42 <i>lambichi asociati</i>	soldi 12 l'uno
12 <i>lambichi</i>	soldi 8 l'uno
<i>vasa diversarum manierierum</i>	4 ducati d'oro

APPENDIX F: Inventory of the Goods of the Glass-Maker, Bernardo De Carpenis, in Mantua in 1424

Inventory of the goods of Bernardo de Carpenis, *moiolario*, from Gambassi, comprising his household goods in the district of Montenegro and the materials (*materie prime*) and products (*prodotti*) of his workshop, Mantua, 1424 (Archivio di Stato di Mantova, *Estensioni notarili*, 1424, cc. 15v.-16r.; copied from Nepoti 1991, 134-5).

materie prime:

600	libbre <i>manganesis</i>
5	sestari <i>grepis</i>
8	sestari <i>terra a padellis</i>
4,000	libbre <i>luminis</i>
6,000	libbre <i>lapidis sive prete</i>
4,000	libbre <i>vitrum fractum</i>

prodotti:

50,000	<i>moiellorum ad filis</i>
8,000	<i>moiolorum ad fogiam albos</i>
5,000	<i>moiolorum gambassinis</i>
12,000	<i>moiolos ad curiam</i>
10,000	<i>moiellorum de mezia</i>
4,000	<i>moiolorum a filis virides</i>
2,000	<i>moiolorum ad asta (?)</i>
500	<i>moiollos copertos a Magnifico</i>
400	<i>moyollos rotundos virides</i>
3,000	<i>ingrestariarum a curia</i>
50	<i>ingrestarias ad coquendam aquam</i>
1,000	<i>bochaletarum ad cingolam</i>
450	<i>bochaletarum ad cingolam virides</i>
900	<i>bochaletarum ad congollam albos</i>
400	<i>bochaleti cum pedibus</i>
150	<i>bochaletarum de duobus bozollis (?) proqualibet</i>
600	<i>crinaliorum</i>
300	<i>marzolinis albos</i>
300	<i>zuchas a curia</i>
200	<i>vitriollas incapsatas</i>
100	<i>cexendellos ac lampades</i>
100	<i>mensurarum ab oleo</i>
400	<i>ampoletas ab altare</i>
4,000	<i>ampoletarum retondarum ac longarum ac ballas</i>

LIST OF FIGURES

- 1 Map of Italy showing the principal sites mentioned in the text
- 2 Aerial view of the Abbey of Farfa showing the open area excavated by the British School in the foreground
- 3 Ground plan of the Palazzo Vitelleschi, Tarquinia. XIII: original medieval tower-house; XI-XVI medieval additions
- 4 Façade of the Renaissance Palazzo Vitelleschi, Tarquinia, overlooking Piazza Cavour. Photograph: John Law
- 5 Hypothetical reconstruction of three glass-working furnaces at Germagnana. After Mendera 1993, 351, fig. 5
- 6 A. Glass production sites in the region of Montaine and Gambassi. After Mendera 1995a, 33, fig. 25
B. Centres of glass production in the 14th century and the movement of glass-workers. After Mendera 1995a, 32, fig. 24
- 7 Fragments of stemmed vessels from the Palazzo Vitelleschi, Tarquinia
- 8 Profiles of pruned beakers with applied solid base-rings from the Palazzo Vitelleschi, Tarquinia [6, 15-6, 25 and 57-8] and Farfa Abbey [17]
- 9 A. Group of pruned beakers with solid base-rings [6-8, 10, 15 and 25-6] and a pruned lid [254]; Palazzo Vitelleschi, Tarquinia
B. Two pruned beakers with solid base-rings and three rows of prunts [6-7]; Palazzo Vitelleschi, Tarquinia
- 10 A. Pruned beaker with four rows of prunts [17]; Farfa Abbey
B. Pruned beaker with four rows of prunts [18]; Farfa Abbey
- 11 Selection of pruned fragments arranged according to type from Farfa Abbey, including fragments from a large pruned beaker [30], a blue prunt [59] and a blue-tipped prunt [60]
- 12 A. Lower part of a pruned beaker with three rows of large flattened prunts [15]; Palazzo Vitelleschi, Tarquinia
B. Large pruned beaker with six rows of prunts [25]; Palazzo Vitelleschi, Tarquinia
- 13 A. Squat pruned beaker originally with three triangular cluster of small prunts [57]; Palazzo Vitelleschi, Tarquinia
B. Upper body fragments from a pruned vessel with a triangular cluster of small prunts [58]; Palazzo Vitelleschi, Tarquinia
- 14 Profiles of pruned beakers with flaring bodies and applied 'toed' base-rings; Palazzo Vitelleschi, Tarquinia
- 15 A. Small pruned beaker with an applied 'toed' base-ring [33]; Palazzo Vitelleschi, Tarquinia
B. Pruned beaker with five rows of pulled prunts [35]; Palazzo Vitelleschi, Tarquinia
- 16 A. Fragments from a pruned beaker with five rows of rounded prunts [34]; Palazzo Vitelleschi, Tarquinia
B. Upper body fragment from a very large pruned beaker with five rows of flattened prunts extant [53]; Palazzo Vitelleschi, Tarquinia
- 17 A. Small 'toed' beaker base [44]; Palazzo Vitelleschi, Tarquinia. Diameter 44 mm
B. Small 'toed' beaker base [45]; Palazzo Vitelleschi, Tarquinia. Diameter 40 mm

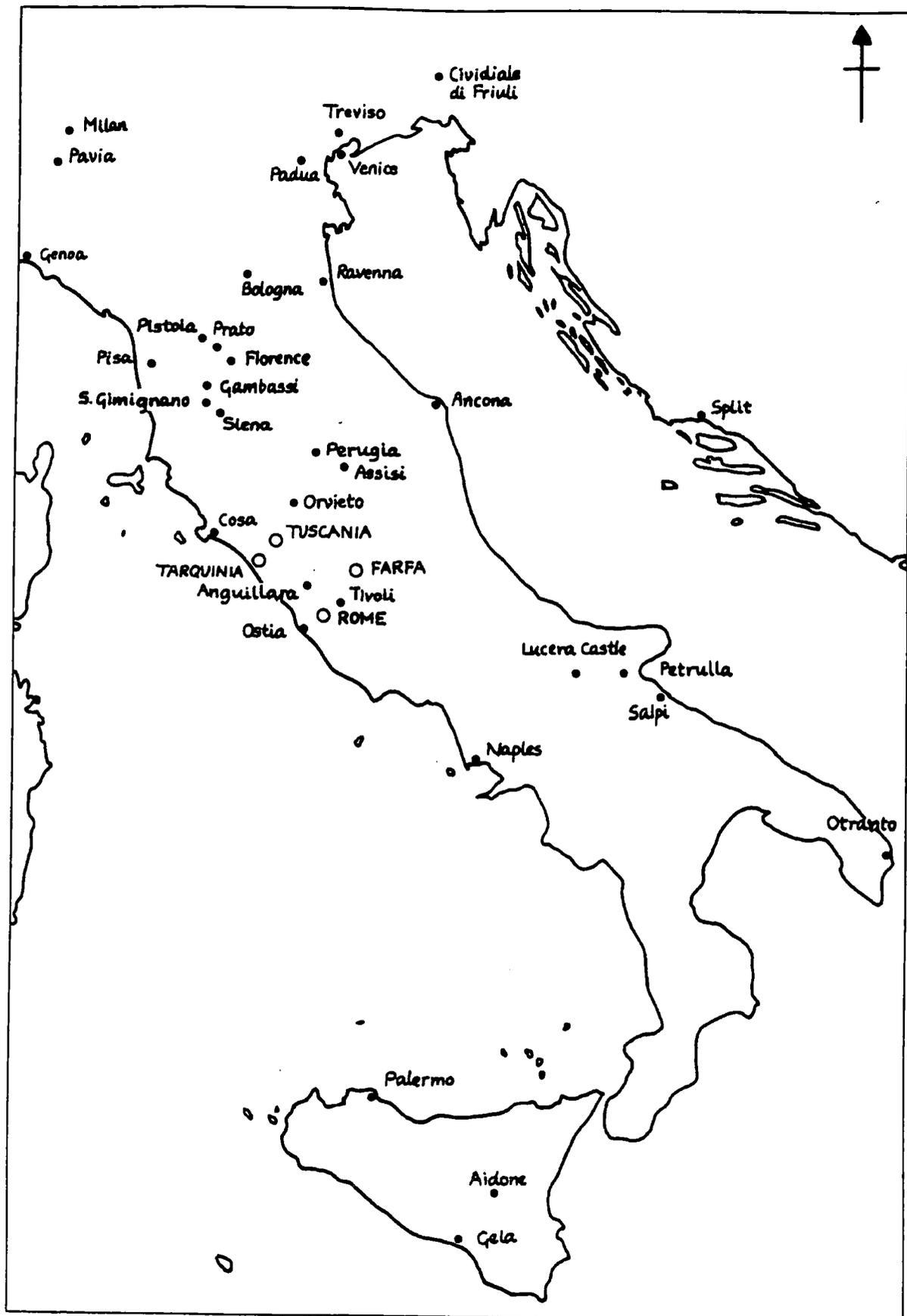
- 18 Fragments from pruned and ribbed beakers from Farfa Abbey [30, 32, 55-6, 59-61 and 66-8], the Palazzo Altemps, Rome [47] and the Palazzo Vitelleschi, Tarquinia [62 and 64]
- 19 A. Lower body of a small beaker decorated with thin spiral trailing [69]; Palazzo Vitelleschi, Tarquinia
B. Flaring beaker decorated with vertical ribbing on a 'toed' base-ring [62]; Palazzo Vitelleschi, Tarquinia
- 20 Fragments from beakers with thin applied trailing, from the Palazzo Vitelleschi, Tarquinia [69 and 71], Tuscania [75] and Santo Stefano, Anguillara [76]
- 21 A. Wall fragments from a beaker with thin abstract trailing [71]; Palazzo Vitelleschi, Tarquinia
B. Lower body fragments from a squat beaker with thin abstract trailing [73]; Palazzo Vitelleschi, Tarquinia
- 22 Profiles of the lower bodies and bases from plain beakers with thin solid base-rings [77-81] and hollow-tubular base-rings [85-9]; Palazzo Vitelleschi, Tarquinia
- 23 Profiles of plain truncated-conical beakers [91-6]; Palazzo Vitelleschi, Tarquinia
- 24 A. Beaker base with a thin applied solid base-ring [80]; Palazzo Vitelleschi, Tarquinia. Diameter 70 mm
B. Plain beaker with almost vertical walls and a pushed-in base with a conical kick [92]; Palazzo Vitelleschi, Tarquinia. Height 55 mm
- 25 A. Selection of bases from mould-blown beakers from the Palazzo Vitelleschi, Tarquinia
B. Selection of reconstructible mould-blown truncated-conical beakers from the Palazzo Vitelleschi, Tarquinia
- 26 Profiles of mould-blown truncated-conical beakers decorated with raised circular bosses from the Palazzo Vitelleschi, Tarquinia
- 27 A. Mould-blown truncated-conical beaker decorated with raised circular bosses [97]; Palazzo Vitelleschi, Tarquinia. Height 64 mm
B. Mould-blown base from a truncated-conical beaker decorated with raised diamond-shaped bosses [134]; Palazzo Vitelleschi, Tarquinia. Height 45 mm
- 28 Profiles of mould-blown truncated-conical beakers decorated with vertical ribbing, from the Palazzo Vitelleschi, Tarquinia
- 29 A. Reconstructible squat beaker with vertical ribbing [114]; Palazzo Vitelleschi, Tarquinia
B. Two fragments from a mould-blown beaker with an applied rosette on the underside of the base [125]; Palazzo Vitelleschi, Tarquinia. Base diameter 48 mm
- 30 A. Lower part of a mould-blown beaker decorated with small hexagons [128]; Palazzo Vitelleschi, Tarquinia
B. Lower body and pushed-in base from a mould-blown truncated-conical beaker decorated with hexagons [129]; Palazzo Vitelleschi, Tarquinia
- 31 Profiles of mould-blown truncated-conical beakers decorated with hexagons and rectangular bosses, from the Palazzo Vitelleschi, Tarquinia
- 32 Profiles of mould-blown truncated-conical beakers decorated with diamond-shaped bosses, from the Palazzo Vitelleschi, Tarquinia
- 33 A. Reconstructible beaker with large diamonds [136]; Palazzo Vitelleschi, Tarquinia
B. Lower part of a mould-blown beaker decorated with rectangular bosses [141]; Palazzo Vitelleschi, Tarquinia
- 34 Fragments from mould-blown beakers from the Abbey of Farfa

- 35 Profiles of long bottle necks with horizontal neck swellings, from the Palazzo Vitelleschi, Tarquinia
- 36 A. Bottle neck with swelling and decorated with two blue horizontal trails sandwiching a colourless pincerd coil [147]; Palazzo Vitelleschi, Tarquinia
B. Long neck and shoulder from a large bottle with a neck bulge [149]; Palazzo Vitelleschi, Tarquinia
- 37 Profiles of decorated bottle necks, some with blue trailing, from Farfa Abbey [158] and the Palazzo Vitelleschi, Tarquinia [151, 159, 162 and 164]
- 38 A. Long bottle neck decorated with spiral trailing [162]; Palazzo Vitelleschi, Tarquinia. Height 148 mm
B. Lower bottle neck decorated with blue trailing [159]; Palazzo Vitelleschi, Tarquinia. Height 47 mm
C. Pushed-in bottom from a blue bottle decorated with an opaque white spiral trail [187]; Palazzo Vitelleschi, Tarquinia. Max. diameter 70 mm
- 39 A. Lower bottle neck decorated with spiral trailing [164]; Palazzo Vitelleschi, Tarquinia. Height 88 mm
B. Upper body and shoulder from a bottle decorated with short pincerd ribs [169]; Palazzo Vitelleschi, Tarquinia. Max. diameter 110 mm
- 40 Profiles of bottle bodies decorated with spiral trailing [166] and pincerd vertical ribs [167-9]; Palazzo Vitelleschi, Tarquinia
- 41 Profiles of lower necks and shoulders from plain bottles [170-2] and hollow-tubular strengthening rings [173-5]; Palazzo Vitelleschi, Tarquinia
- 42 A. Hollow-tubular strengthening rings from bottles [173-5]; Palazzo Vitelleschi, Tarquinia
B. Six hollow-tubular bottle bases [176-81]; Palazzo Vitelleschi, Tarquinia
- 43 Profiles of hollow-tubular base-rings from bottles; Palazzo Vitelleschi, Tarquinia
- 44 Reconstruction of a long necked bottle with a neck bulge and decorative trailing, bulbous body with an internal hollow-tubular strengthening ring and hollow-tubular base-ring using nos 147, 170, 174 and 179
- 45 Profile of a blue bottle base with opaque white spiral trailing [187] and a bottle neck with a pseudo Kufic inscription in gilt [186] from the Palazzo Vitelleschi, Tarquinia, and fragments from the neck of a *Kutrolf* [188]; Farfa Abbey
- 46 Two reconstructions of mould-blown bottles with vertical ribbing from the Palazzo Vitelleschi, Tarquinia
- 47 A. Neck, upper body and base from a mould-blown ribbed bottle [189 and 201]; Palazzo Vitelleschi, Tarquinia
B. neck, upper body and base from a mould-blown bottle with vertical ribs on the body [192]; Palazzo Vitelleschi, Tarquinia
- 48 Profile of the neck and handle from a jug decorated with blue trailing from the Palazzo Vitelleschi, Tarquinia
- 49 A. Neck and handle from a jug with blue trailing [203] and a pedestal base [204]; Palazzo Vitelleschi, Tarquinia
B. Neck and handle from a jug with blue trailing [203] and a matching bottle neck [147]; Palazzo Vitelleschi, Tarquinia
- 50 Profiles of a pedestal base [204] and a trefoil mouth [205] from the Palazzo Vitelleschi, Tarquinia, and a pedestal base [223] from Farfa Abbey
- 51 Reconstruction of a jug decorated with blue trailing using nos 203 and 204 from the Palazzo Vitelleschi, Tarquinia

- 52 Profiles of a trefoil mouth [208], two necks [210-11], base [212] and handle [213] from mould-blown ribbed jugs from the Palazzo Vitelleschi, Tarquinia
- 53 Reconstruction of a mould-blown jug with vertical ribbing from the Palazzo Vitelleschi, Tarquinia
- 54 Profiles of a variety of handles [214-19] and two spouts [220-1]; Palazzo Vitelleschi, Tarquinia
- 55 Profiles of a deep container and three bowls from the Museo Sacro [239]; Farfa Abbey [222 and 244] and the Palazzo Vitelleschi, Tarquinia [243]
- 56 Fragments of an 'emerald'-green footed bowl [222] from Farfa Abbey. Rim diam. 20 cm
- 57 Profiles of mould-blown bowls on coiled pedestal bases from San Nicolà dei Cesarini, Rome [227] and Farfa Abbey [224-5]
- 58 Profile of reconstructible small bowl decorated with abstract trailing and set on an applied 'toed' base-ring, from the Palazzo Vitelleschi, Tarquinia
- 59 The 'Farfa Bowl' [229] decorated with blue zigzag lozenges and set on an applied 'toed' base-ring, from Farfa Abbey. Drawing: Sally Cann
- 60 The 'Farfa Bowl' [229]. Height 114 mm; rim diameter 38-40 cm
- 61 Profile of the upper body of a bowl decorated with prunts and blue trailing [232] from the Palazzo Vitelleschi, Tarquinia, and the lower part of a prunted goblet in the Islamic Museum, Cairo.
- 62 Profiles of bowls decorated with spiral trailing [233] or vertical ribs [234 and 238]; Palazzo Vitelleschi, Tarquinia
- 63 Profiles of the lower body of a heavily ribbed bowl or mortar [235] from Farfa Abbey and a footed ribbed bowl [236] from Santa Maria Maggiore, Tivoli
- 64 A. Rim fragment from a mould-blown dish with shallow oval depressions [244]; Farfa Abbey. Rim diameter 26 cm
B. Body fragment from a heavily ribbed bowl or mortar with a scratched 'X' at the tip of each rib [235] from Farfa Abbey. Height (surv.) 48 mm
- 65 Profile of a plain covered footed bowl [246] from the Treasury of the Sancta Sanctorum, Rome, and two pushed-in bases [230-1] from Farfa Abbey
- 66 Profiles of two small covered undecorated jars found concealed in an altar of the church of San Giorgio in Velabro, Rome
- 67 Profile of a covered jar decorated with colourless and purple trailing from Santa Maria Maggiore, Tivoli
- 68 Profiles of two prunted covers from the Palazzo Vitelleschi, Tarquinia
- 69 A. Large prunted lid [253] from the Palazzo Vitelleschi, Tarquinia
B. Three fragments from a prunted bowl [232] also decorated with blue horizontal trails, from the Palazzo Vitelleschi, Tarquinia
- 70 Profile of a spherical sprinkler decorated with an opaque turquoise spiral trail overlain by turquoise trails streaked with purple; Palazzo Vitelleschi, Tarquinia
- 71 A. Upper part of a sprinkler with a small opening [255]; Palazzo Vitelleschi, Tarquinia
B. Lower part of a sprinkler [255] decorated with an opaque turquoise spiral trail overlain by turquoise trails streaked with purple; Palazzo Vitelleschi, Tarquinia
- 72 Profile of a spherical sprinkler flask decorated with dark blue trailing from Tuscania
- 73 Islamic gilt and enamelled beaker decorated with horsemen found in an altar of the now destroyed church of Santa Margherita, Orvieto. After Wenzel 1984, fig. 9
- 74 Profiles of Islamic wheel-cut beakers from Farfa Abbey

- 75 Reconstruction of a Byzantine gilt and enamelled bottle found in a medieval tower-house in the Via del Torri, Tarquinia. Height 205 mm. Drawing: Sally Cann
- 76 Reconstruction of a Byzantine gilt and enamelled bottle from the Gorga Collection and probably found in Rome. Drawing after Sagui 1998, fig. 47 on p. 35
- 77 Reconstruction of the design of the 'Fish and Palm Tree' wheel-cut beaker from Farfa Abbey [261]
- 78 A. Bottle neck fragment decorated with a pseudo Kufic inscription in gilt [186]; Palazzo Vitelleschi, Tarquinia
B. Two joining fragments from the 'Fish and Palm Tree' wheel-cut beaker [261]; Abbey of Farfa
- 79 Profiles of utilitarian bottles with flattened sides from the Palazzo Vitelleschi, Tarquinia
- 80 A. Neck and shoulder from a utilitarian bottle with flattened sides [262]; Palazzo Vitelleschi, Tarquinia
B. Neck and shoulder from a large utilitarian bottle [267]; Palazzo Vitelleschi, Tarquinia
- 81 Profiles of the mouths, necks and upper bodies from utilitarian bottles from the Palazzo Vitelleschi, Tarquinia
- 82 A. Neck and upper body from a large utilitarian bottle [271]; Palazzo Vitelleschi, Tarquinia
B. Lower neck and shoulder from a fineware bottle [170]; Palazzo Vitelleschi, Tarquinia
- 83 Profiles of the wide mouths and necks from utilitarian bottles [279-84] from the Palazzo Vitelleschi, Tarquinia, and a bottle with a rounded bottom [285] from Farfa Abbey
- 84 Flaring mouth and neck from a large utilitarian bottle [280]; Palazzo Vitelleschi, Tarquinia
- 85 Profiles of the mouths and necks from medium-sized utilitarian bottles from Palazzo Vitelleschi, Tarquinia
- 86 Profiles of medium-sized bottle necks and small bottles with rounded bottoms from the Palazzo Vitelleschi, Tarquinia and the mouth of a closed bottle [296] from Farfa Abbey
- 87 Profiles of pushed-in bottle bases from Farfa Abbey [304 and 310] and the Palazzo Vitelleschi, Tarquinia [297-9 and 309]
- 88 Reconstruction of a medieval distilling set or still comprising a cucurbit, alembic and receiver
- 89 A. Profile of the lower part of an alembic from the Palazzo Vitelleschi, Tarquinia
B. Fragments from the lower part of an alembic [356] from the Palazzo Vitelleschi, Tarquinia
- 90 Profiles of the mouths and upper bodies from urinals from the Palazzo Vitelleschi, Tarquinia
- 91 Two hanging lamps with coloured decorative trailing and handles from the Museo Sacro, the Vatican [363] and the Abbey of Farfa [364]
- 92 Fragments from a hanging lamp in bubbly light green glass with blue decorative trailing and handles [364] from Farfa Abbey. Reconstructed height 11.5 cm
- 93 Profiles of hanging lamps from Farfa Abbey [365, 368 and 370] and a single handle fragment [369] from the Palazzo Vitelleschi, Tarquinia
- 94 Fragments from a light turquoise hanging lamp [365] from the Abbey of Farfa. Height (reconstructed) 11 cm; rim diameter 9 cm

FIGURE 1



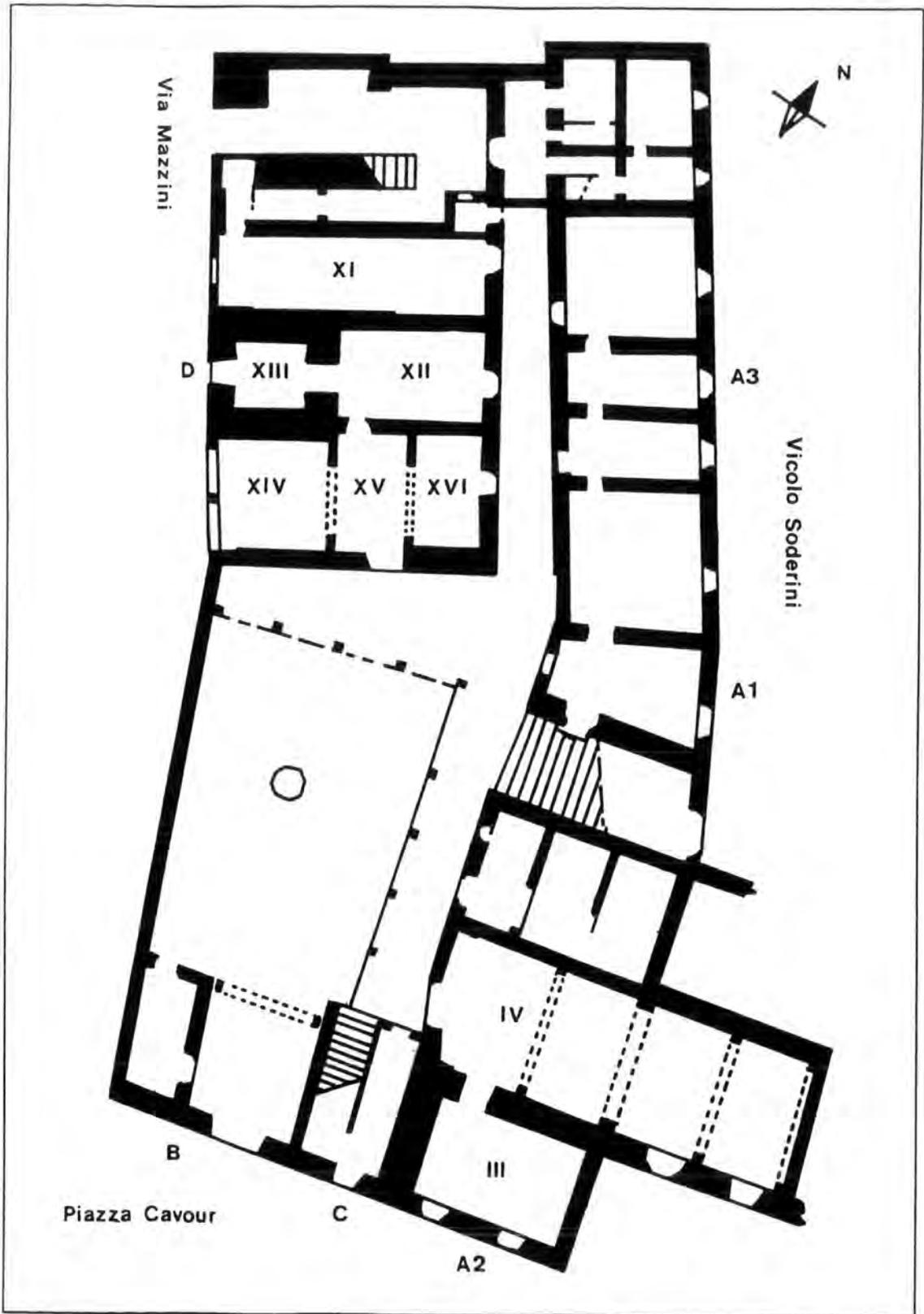
Map of peninsular Italy showing the principal sites mentioned in the text

FIGURE 2

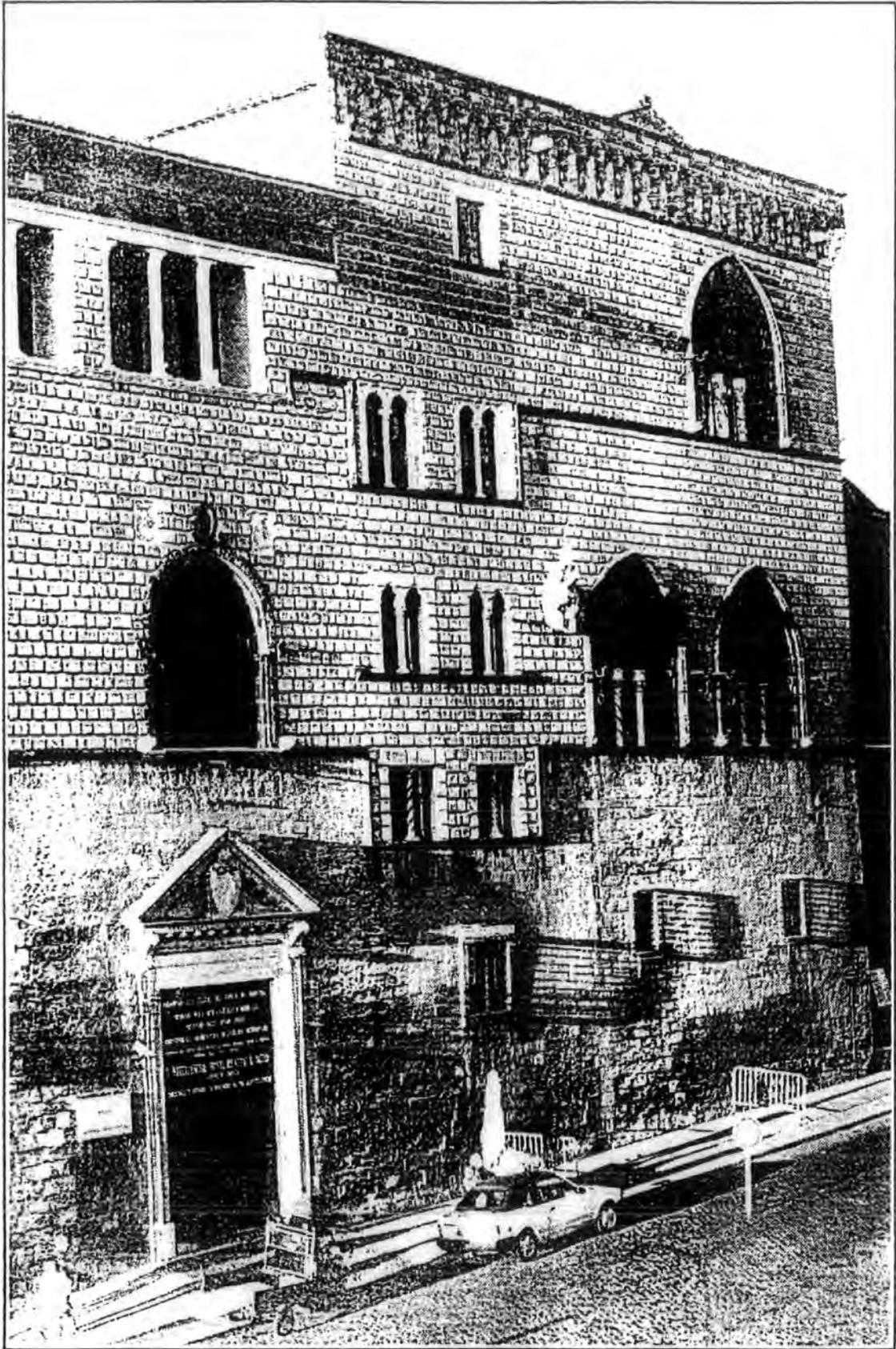


Aerial view of the Abbey of Farfa showing the open area excavated by the British School at Rome in the foreground

FIGURE 3

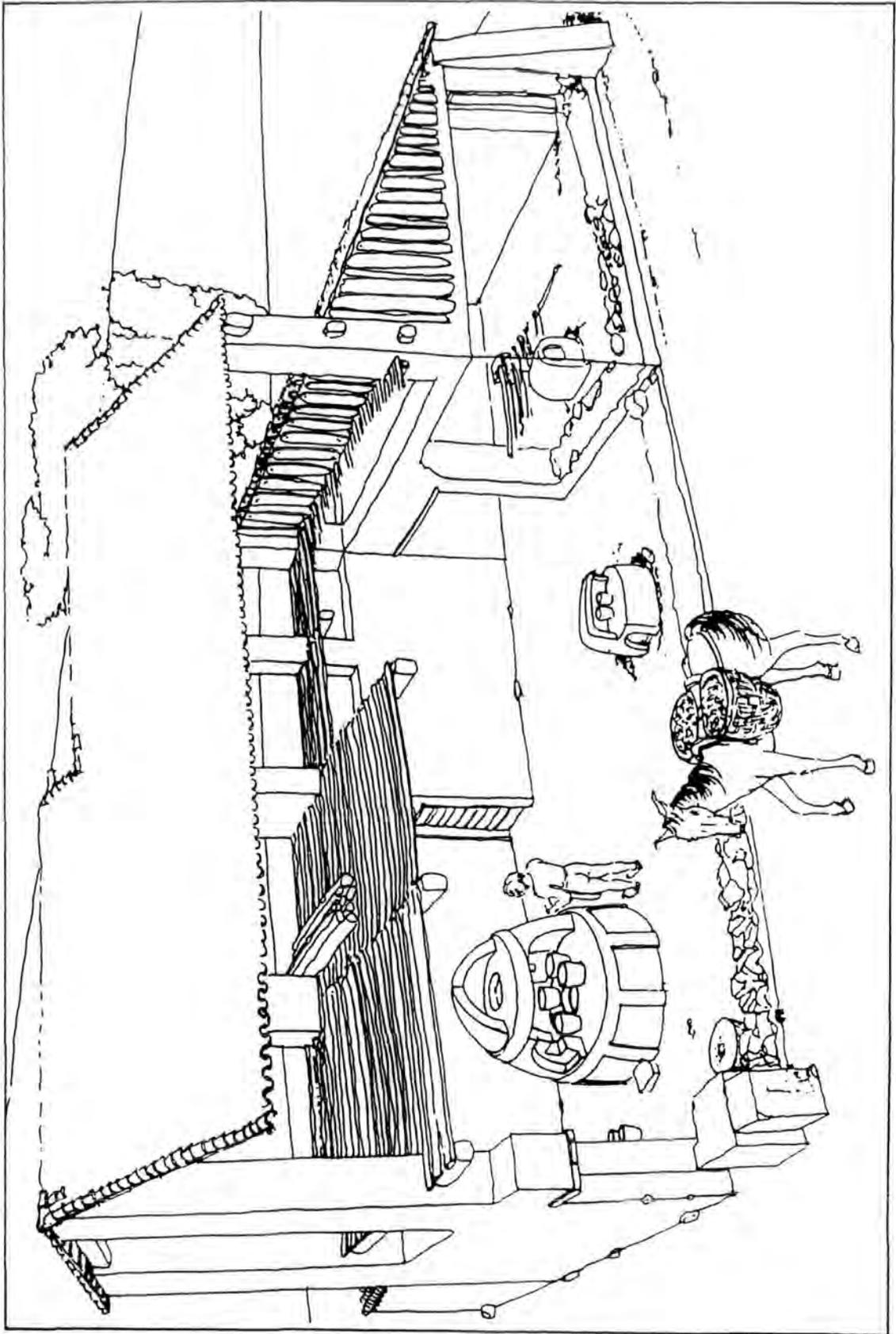


Ground plan of the Palazzo Vitelleschi, Tarquinia. XIII: original medieval tower-house; XI, XII and XIV-XVI medieval additions to the 'proto-palace'

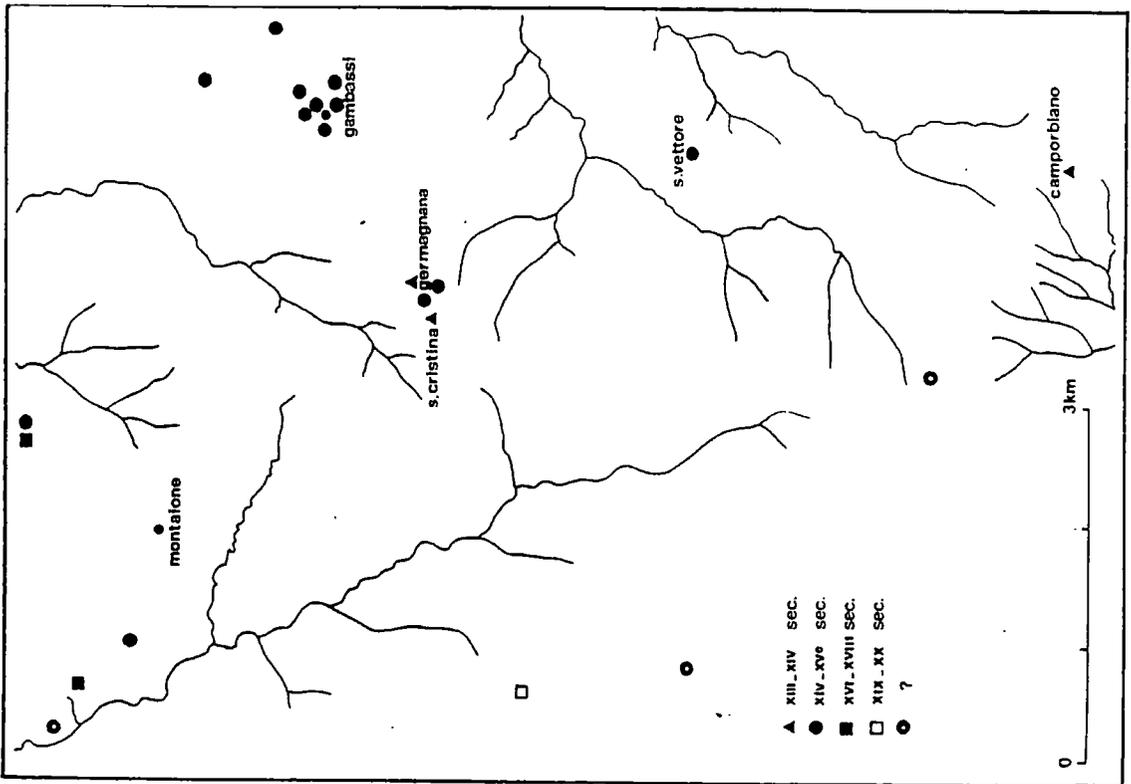


Façade of the Renaissance Palazzo Vitelleschi, Tarquinia, overlooking Piazza Cavour.
Photograph: John Law

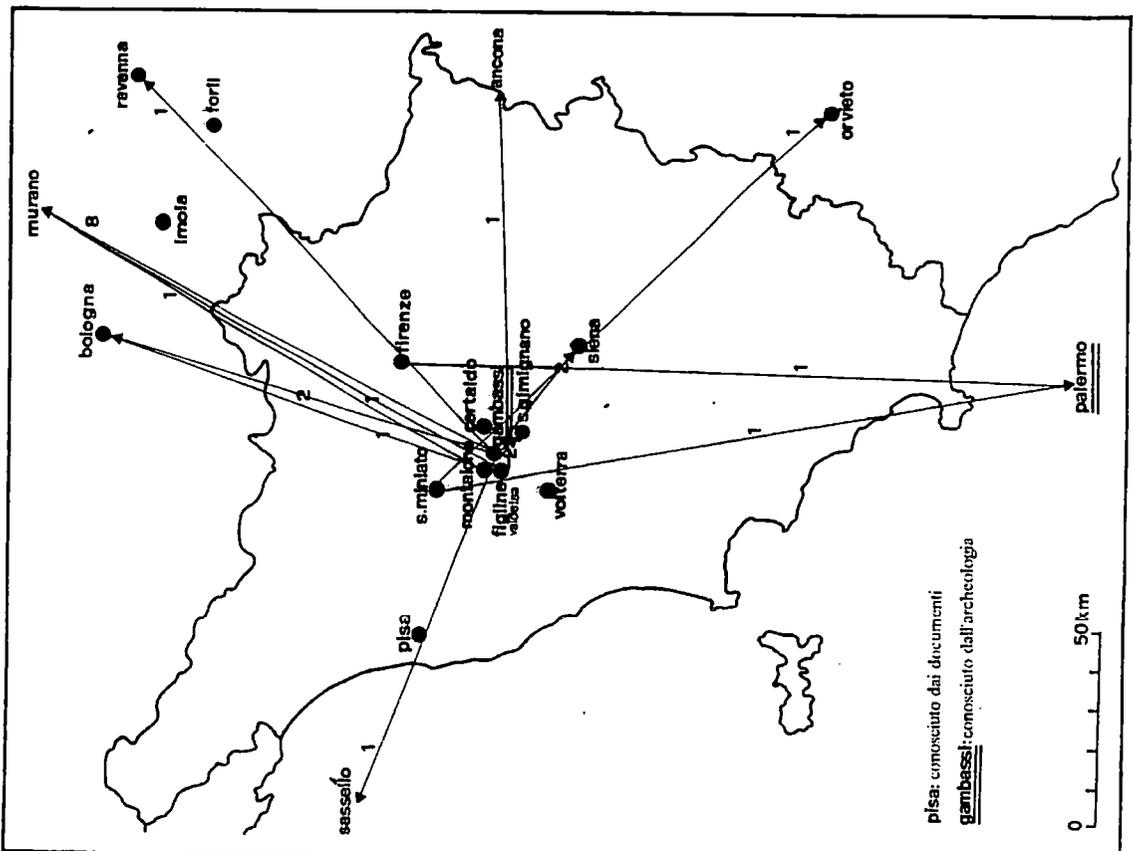
FIGURE 5



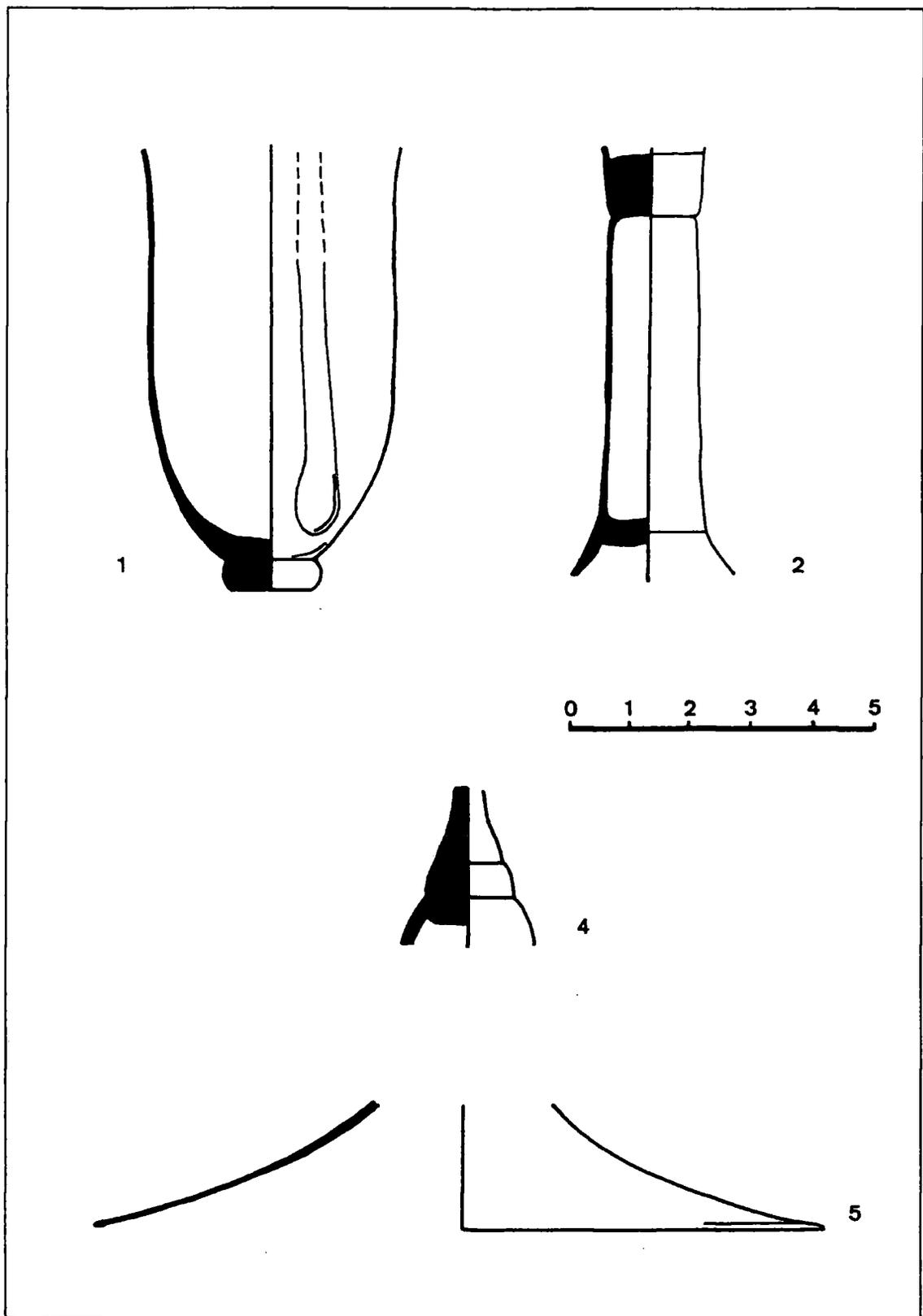
Hypothetical reconstruction of three glass-working furnaces at Germagnana. *After Mendera 1993, 351, fig. 5*



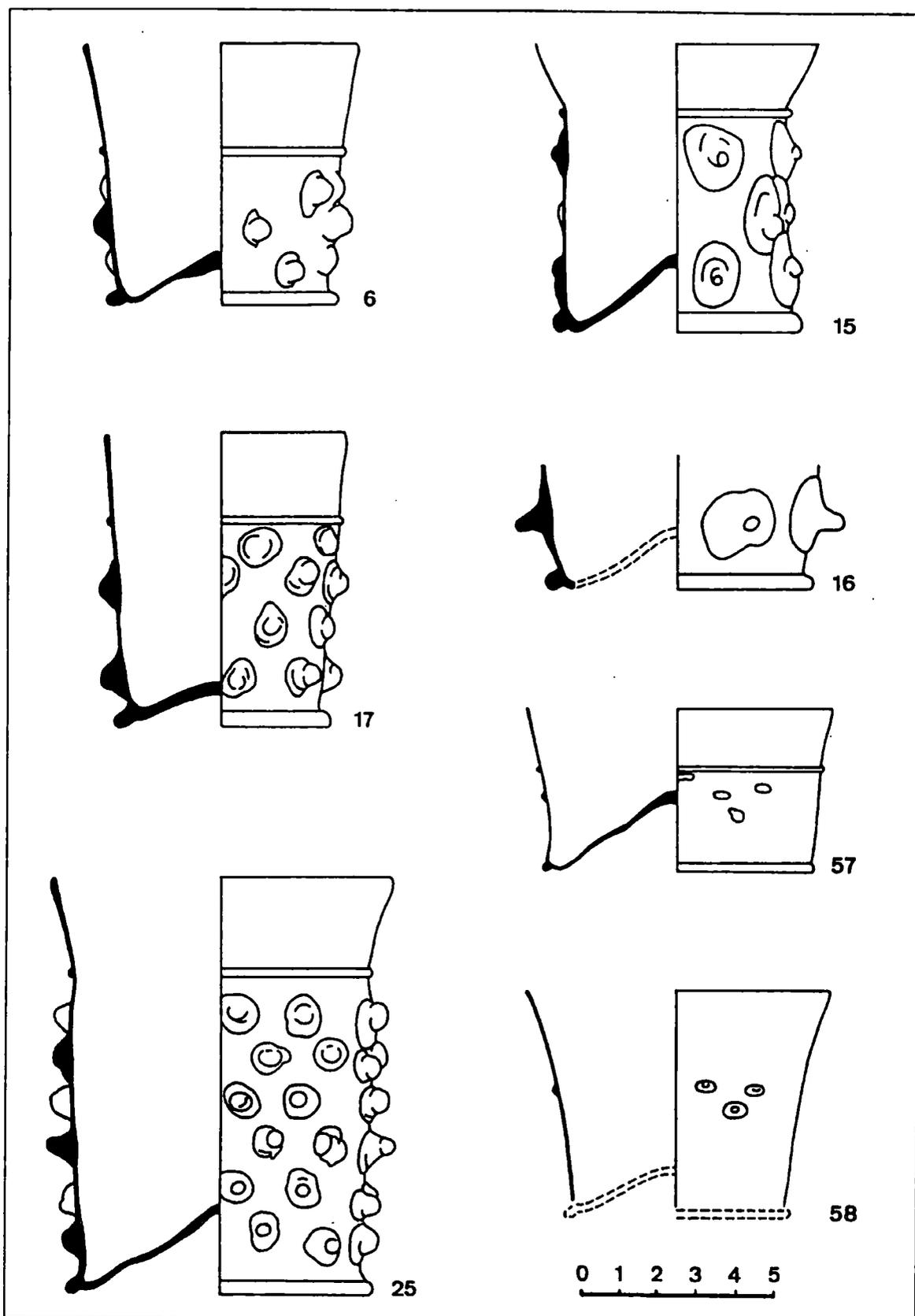
A. Glass production sites in the region of Montaine and Gambassi. *After Mendera 1995a, 33, fig. 25*



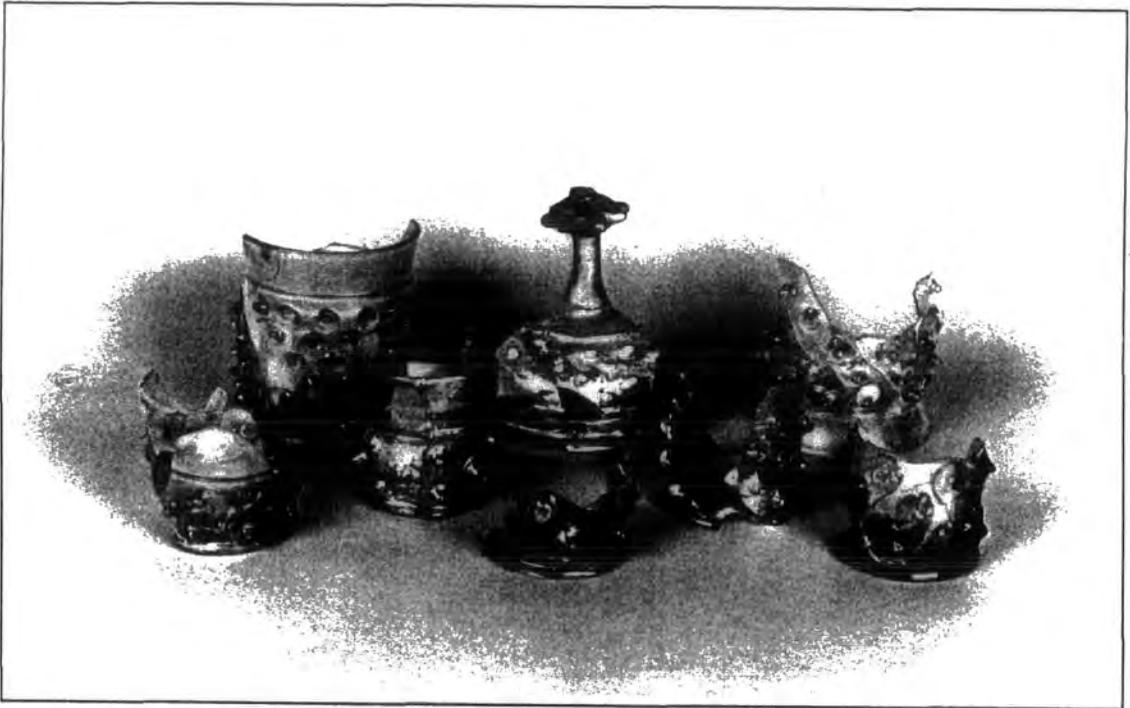
B. Centres of glass production in the 14th century and the movement of glass-workers. *After Mendera 1995a, 32, fig. 24*



Fragments of stemmed vessels from the Palazzo Vitelleschi, Tarquinia



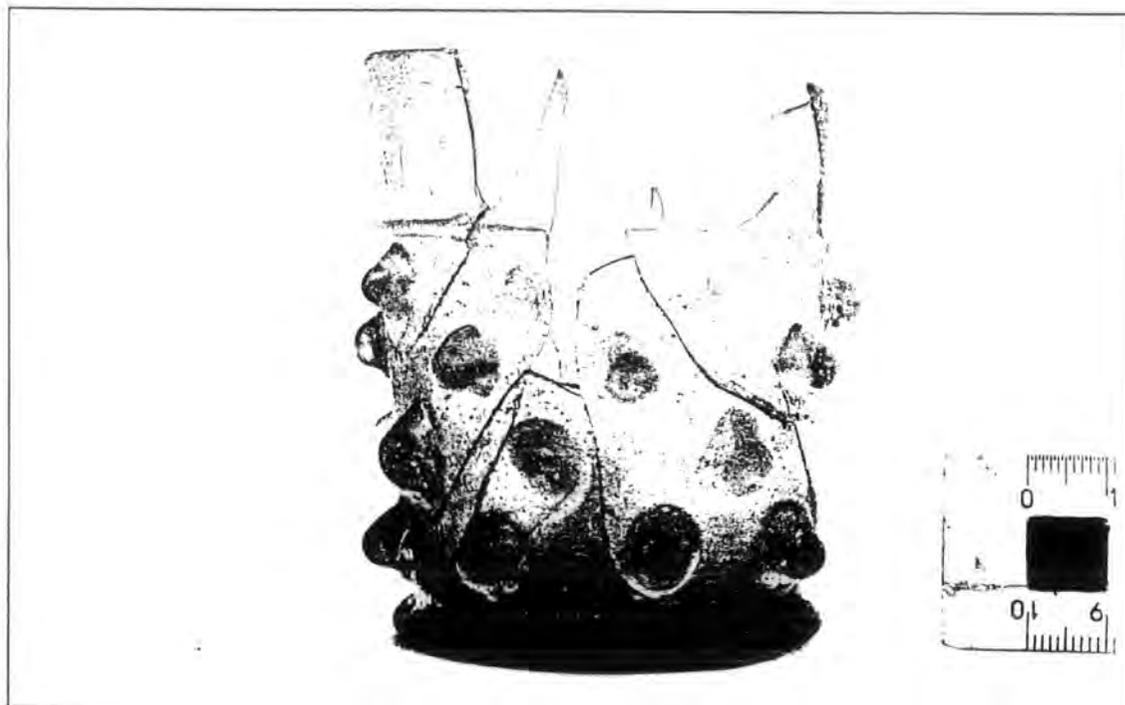
Profiles of pruned beakers with applied solid base-rings from the Palazzo Vitelleschi, Tarquinia [6, 15-6, 25 and 57-8] and Farfa Abbey [17]



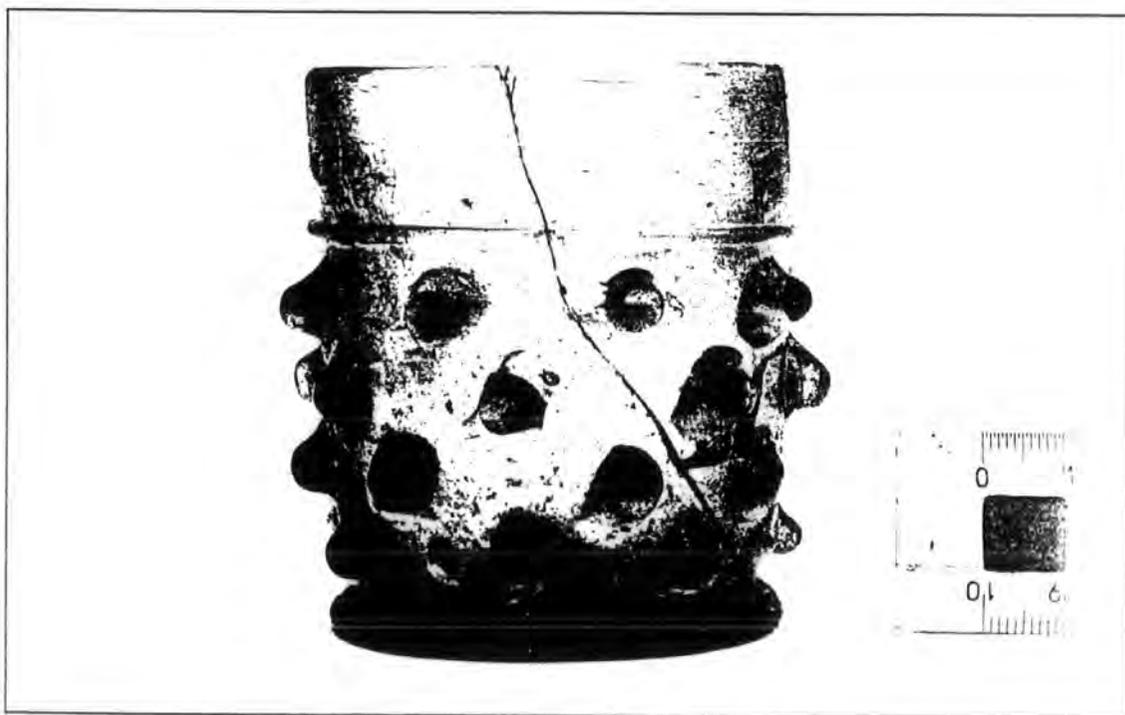
A. Group of pruned beakers with solid base-rings [6-8, 10, 15 and 25-6] and a pruned lid [254]; Palazzo Vitelleschi, Tarquinia



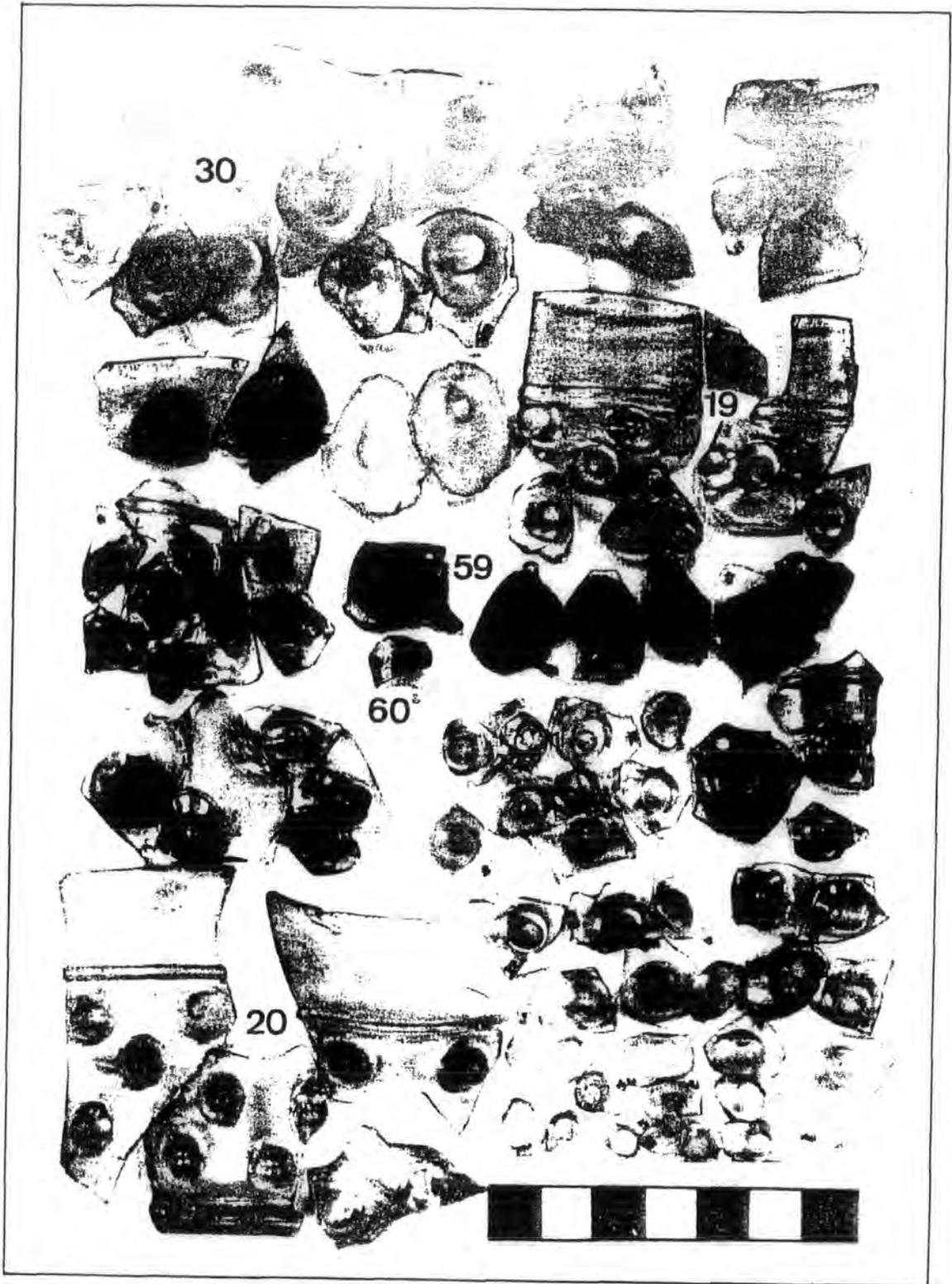
B. Two pruned beakers with solid base-rings and three rows of prunts [6-7]; Palazzo Vitelleschi, Tarquinia



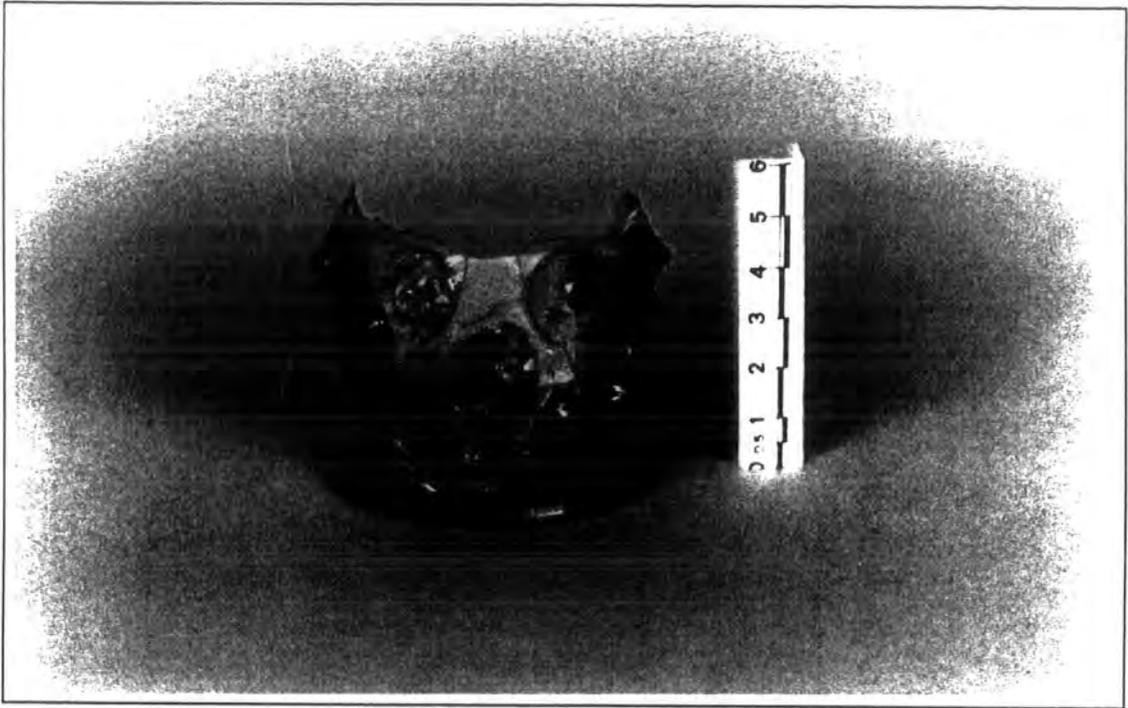
A. Prunted beaker with four rows of prunts [17]; Farfa Abbey



B. Prunted beaker with four rows of prunts [18]; Farfa Abbey



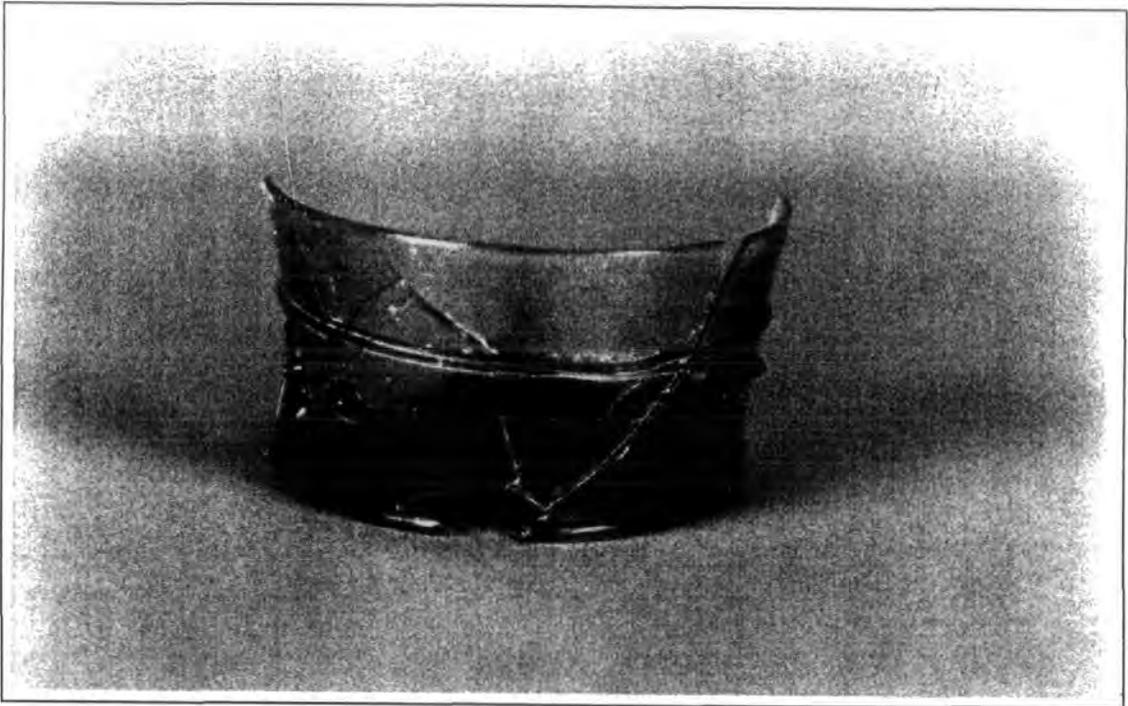
Selection of printed fragments arranged according to type from Farfa Abbey, including fragments from a large printed beaker [30], a blue print [59] and a blue-tipped print [60]



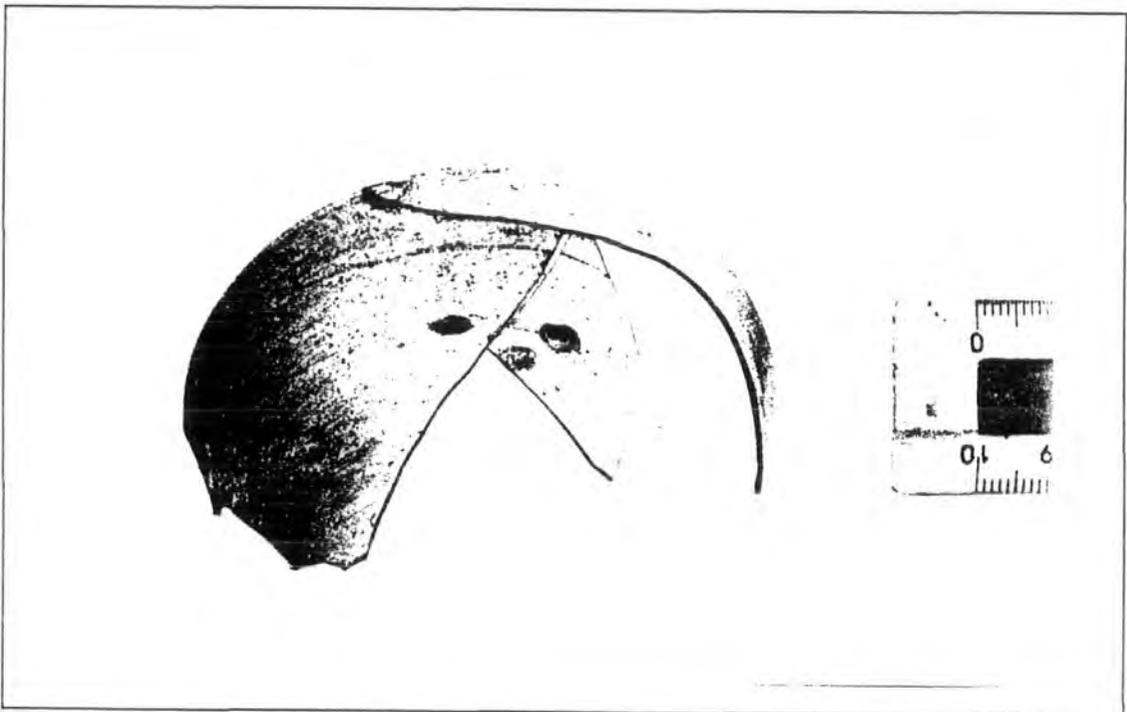
A. Lower part of a pruned beaker with three rows of large flattened prunts [15]; Palazzo Vitelleschi, Tarquinia



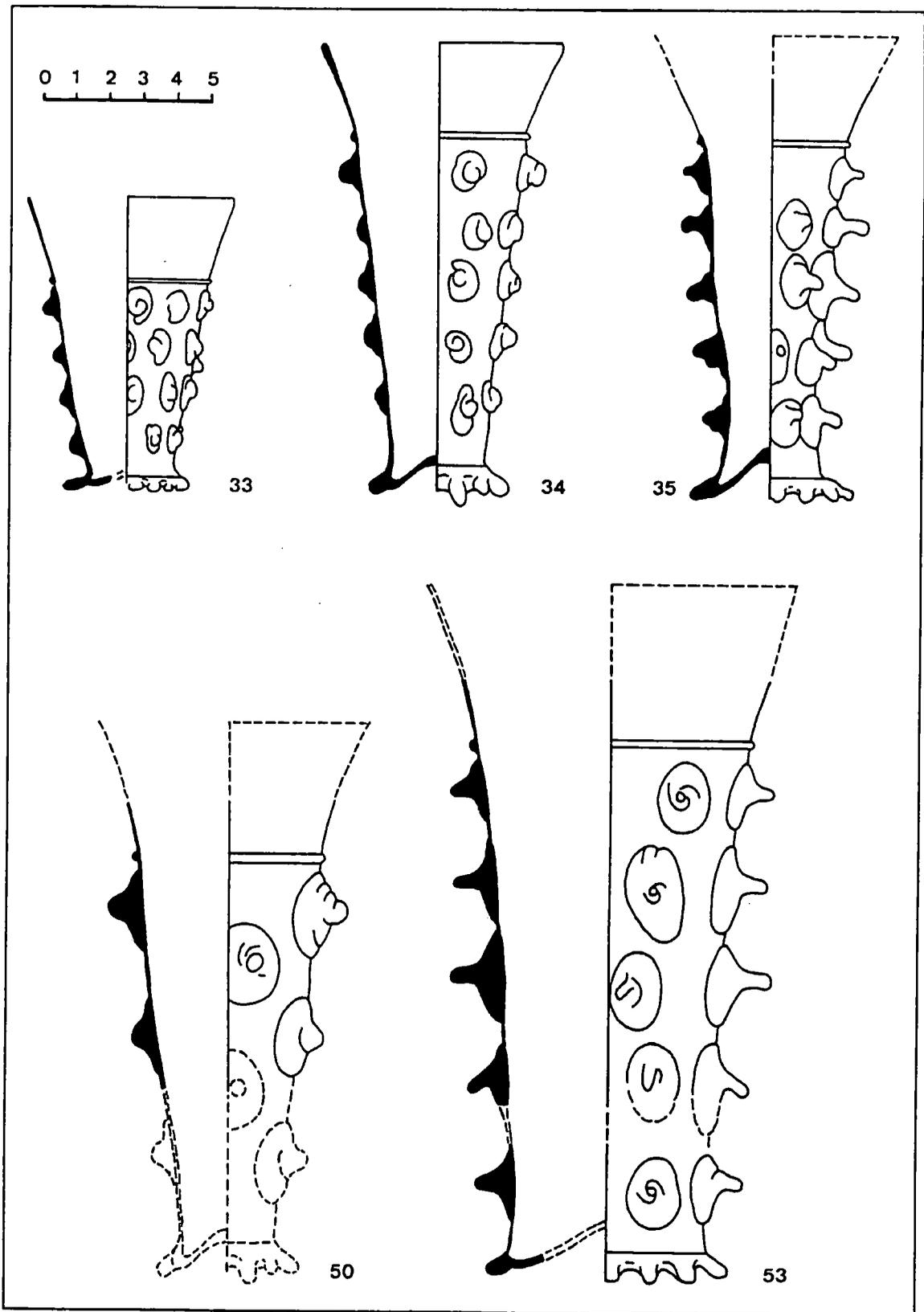
B. Large pruned beaker with six rows of prunts [25]; Palazzo Vitelleschi, Tarquinia



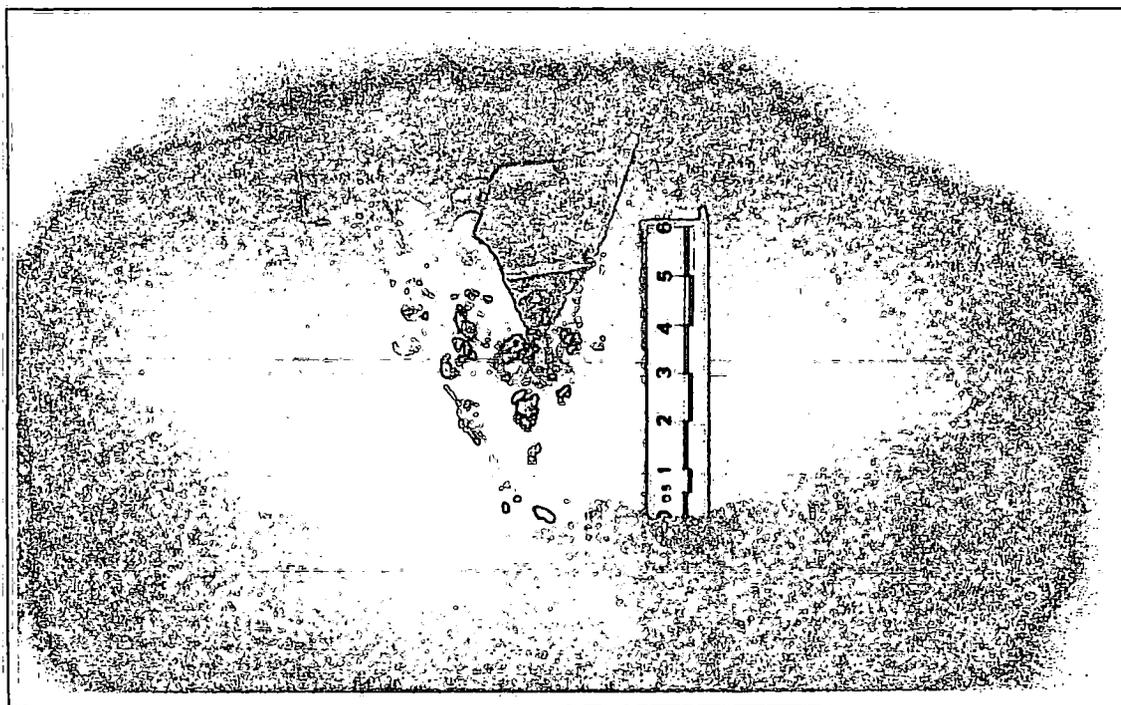
A. Squat prunted beaker originally with three triangular clusters of small prunts [57]; Palazzo Vitelleschi, Tarquinia



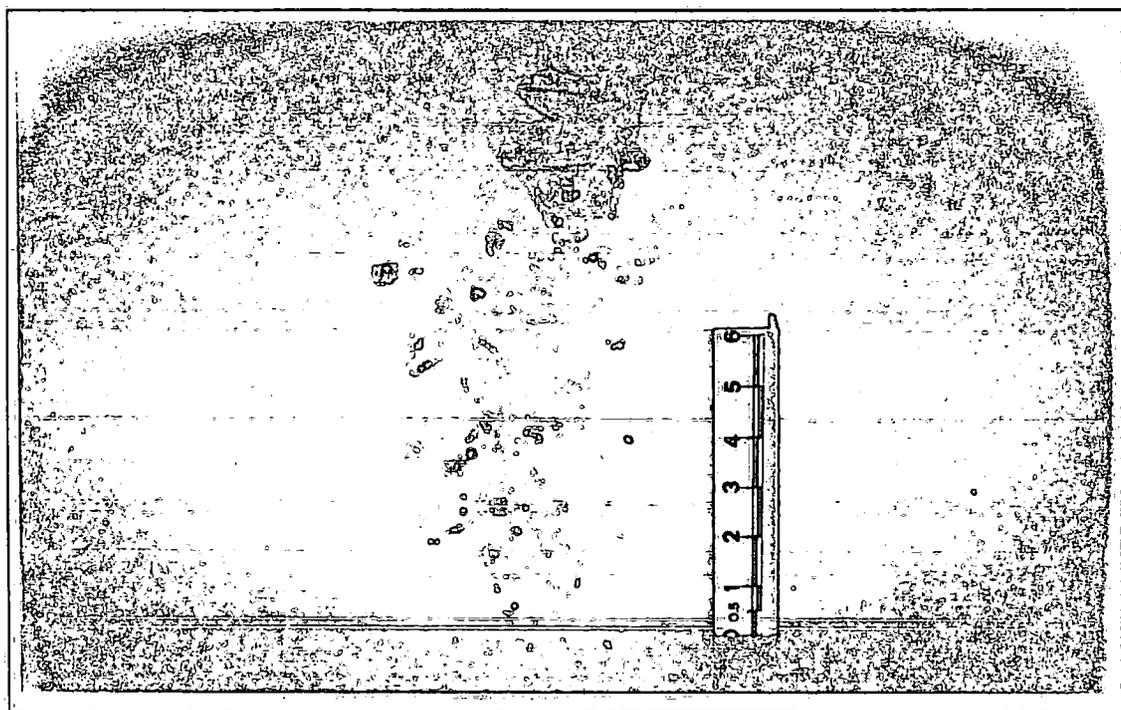
B. Upper body fragments from a prunted vessel with a triangular cluster of small prunts [58]; Palazzo Vitelleschi, Tarquinia



Profiles of pruned beakers with flaring bodies and applied 'toed' base-rings; Palazzo Vitelleschi, Tarquinia



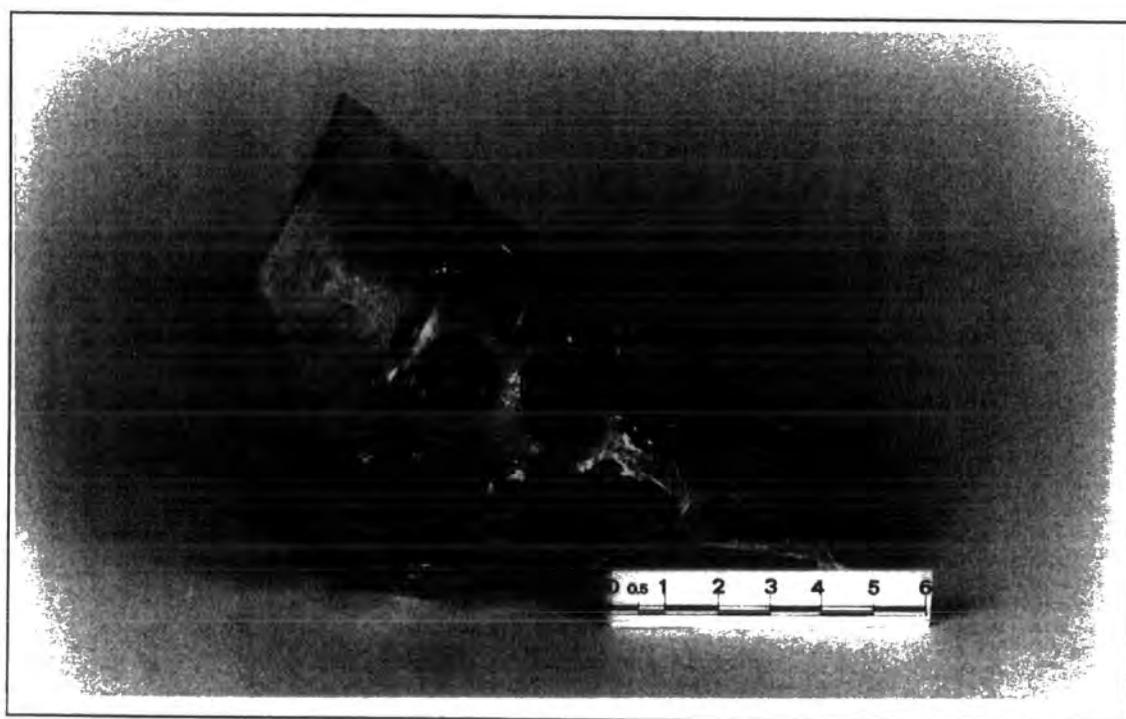
A. Small pruned beaker with an applied 'toed' base-ring [33]; Palazzo Vitelleschi, Tarquinia



B. Pruned beaker with five rows of pulled prunts [35]; Palazzo Vitelleschi, Tarquinia



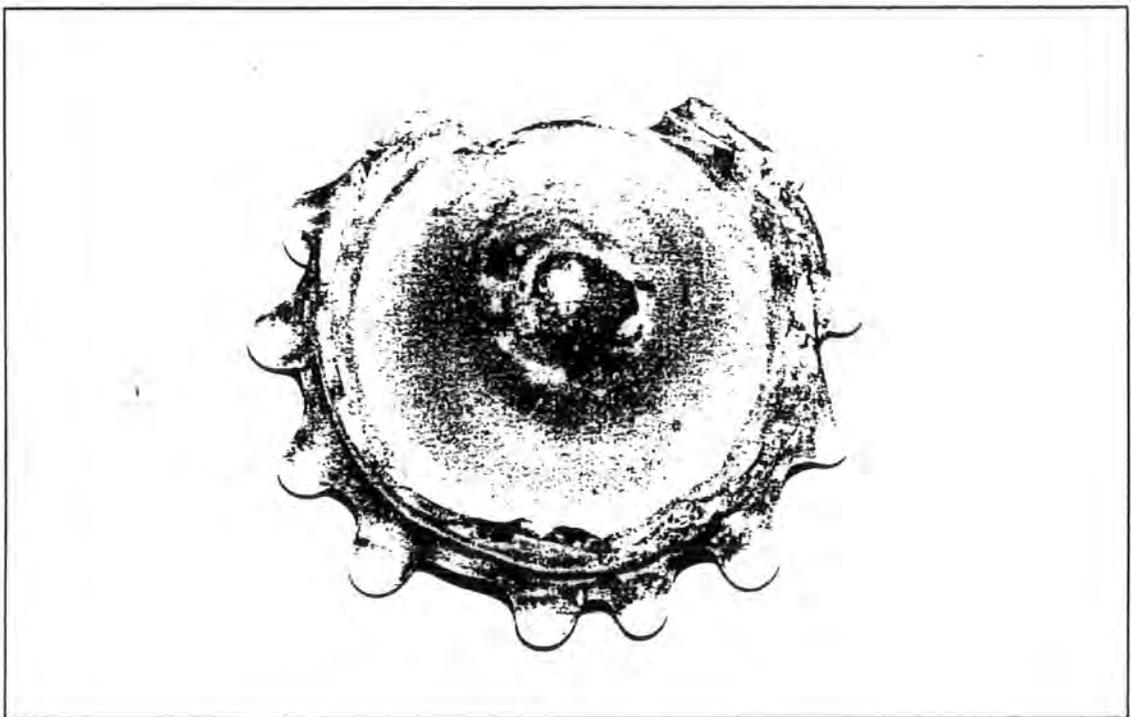
A. Fragments from a pruned beaker with five rows of rounded prunts [34]; Palazzo Vitelleschi, Tarquinia



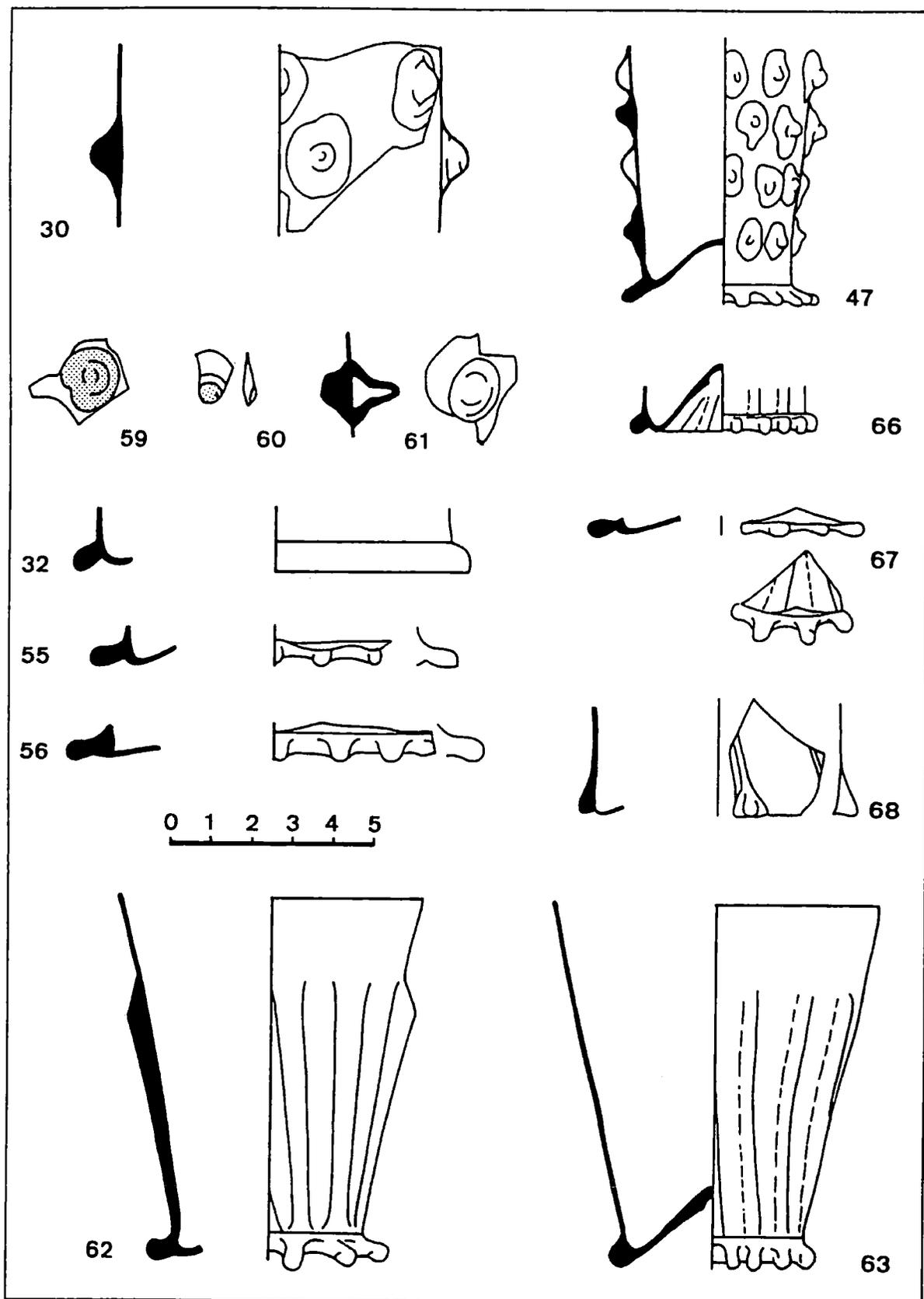
B. Upper body fragment from a very large pruned beaker with five rows of flattened prunts extant [53]; Palazzo Vitelleschi, Tarquinia



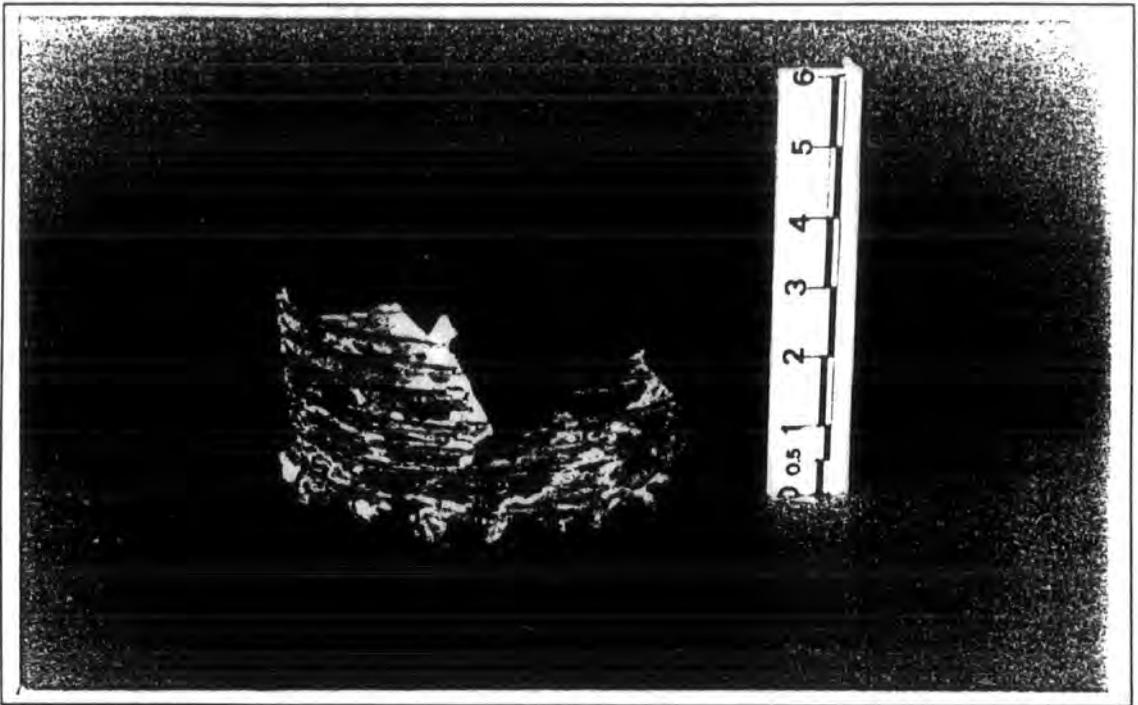
A. Small 'toed' beaker base [44]; Palazzo Vitelleschi, Tarquinia. Diameter 44 mm



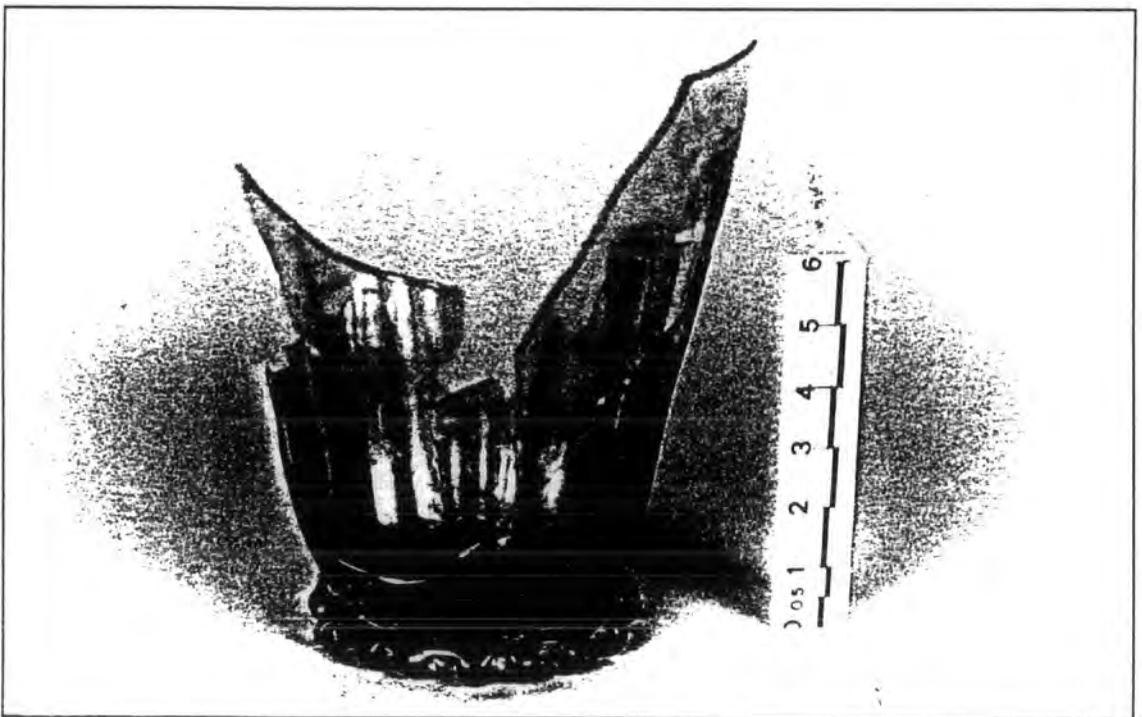
B. Small 'toed' beaker base [45]; Palazzo Vitelleschi, Tarquinia. Diameter 40 mm



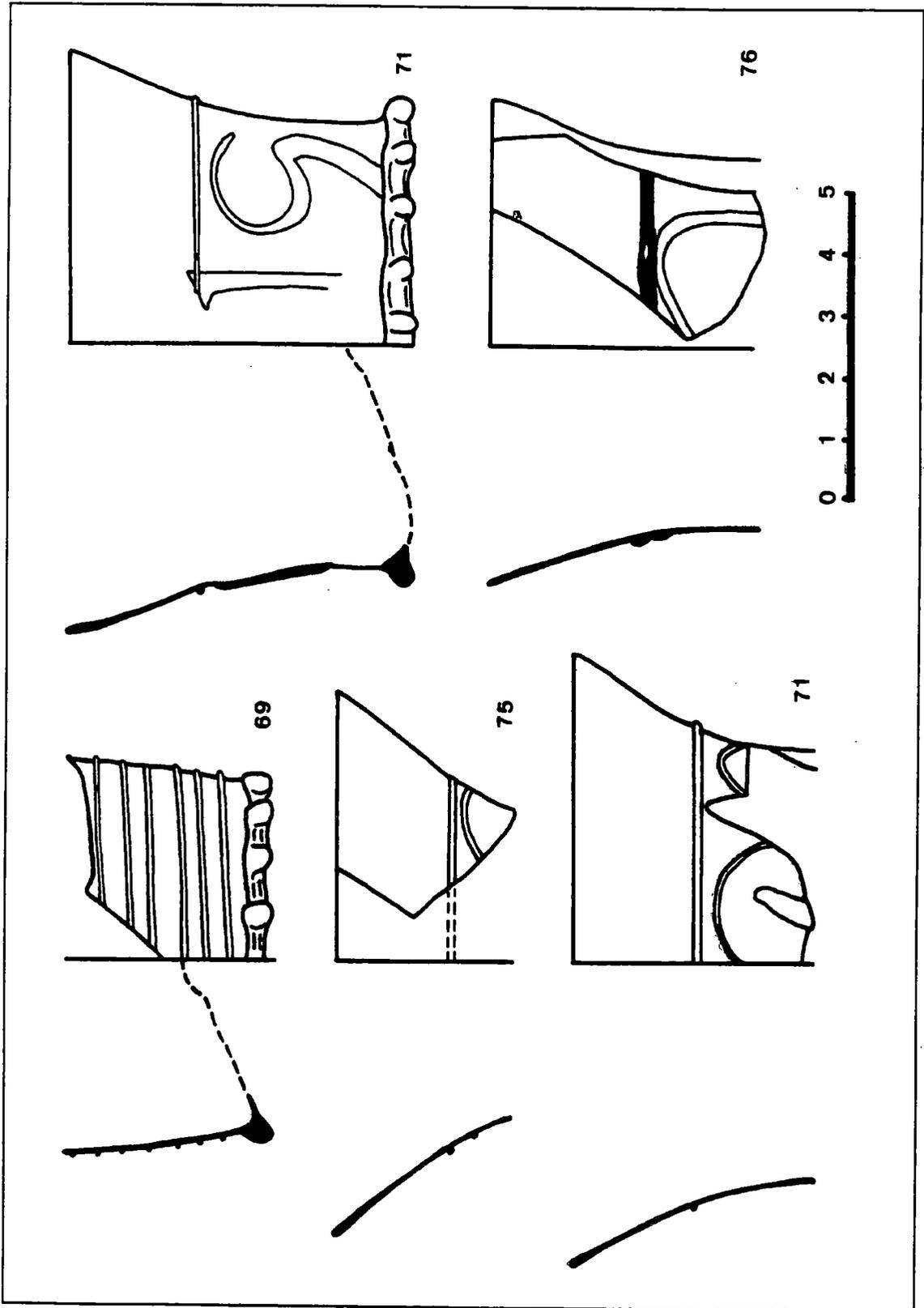
Fragments from prunted and ribbed beakers from Farfa Abbey [30, 32, 55-6, 59-61 and 66-8], the Palazzo Altamps, Rome [47] and the Palazzo Vitelleschi, Tarquinia [62 and 64]



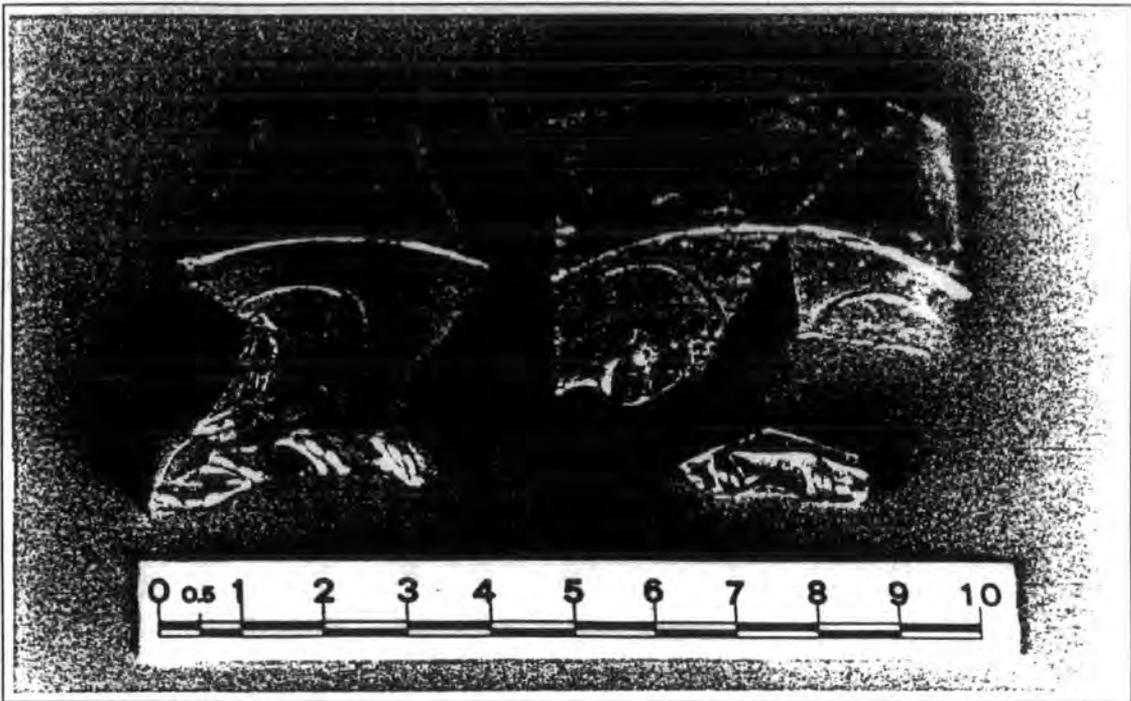
A. Lower body of a small beaker decorated with thin spiral trailing [69]; Palazzo Vitelleschi, Tarquinia



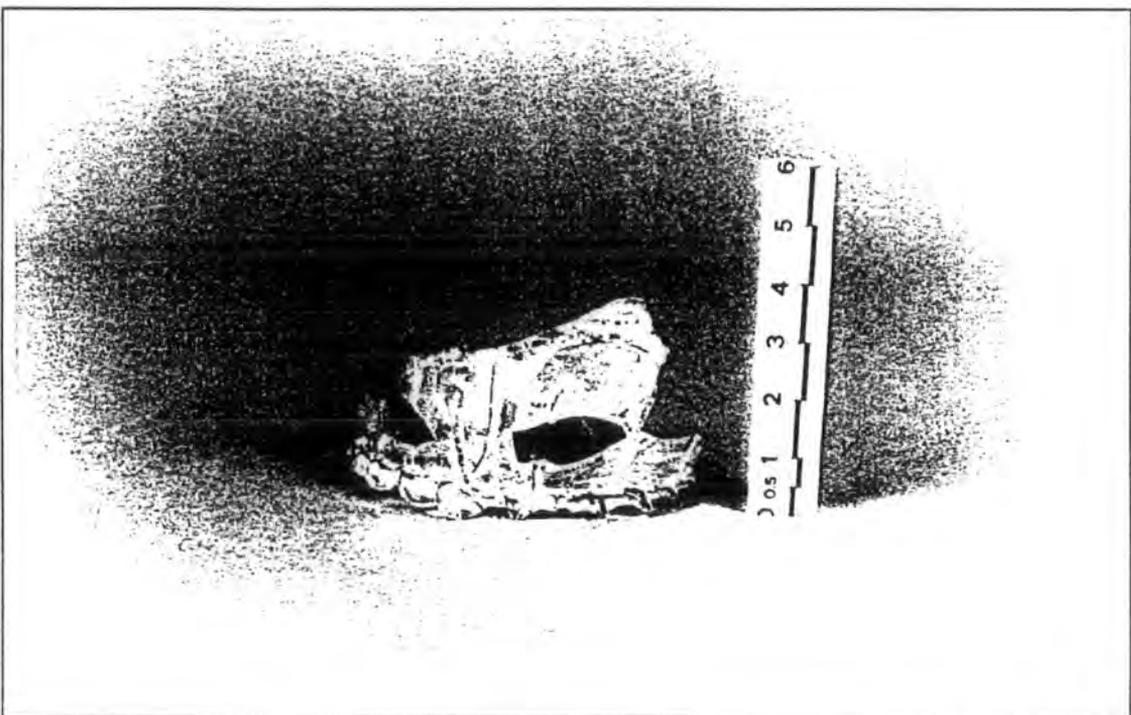
B. Flaring beaker decorated with vertical ribbing on a 'toed' base-ring [62]; Palazzo Vitelleschi, Tarquinia



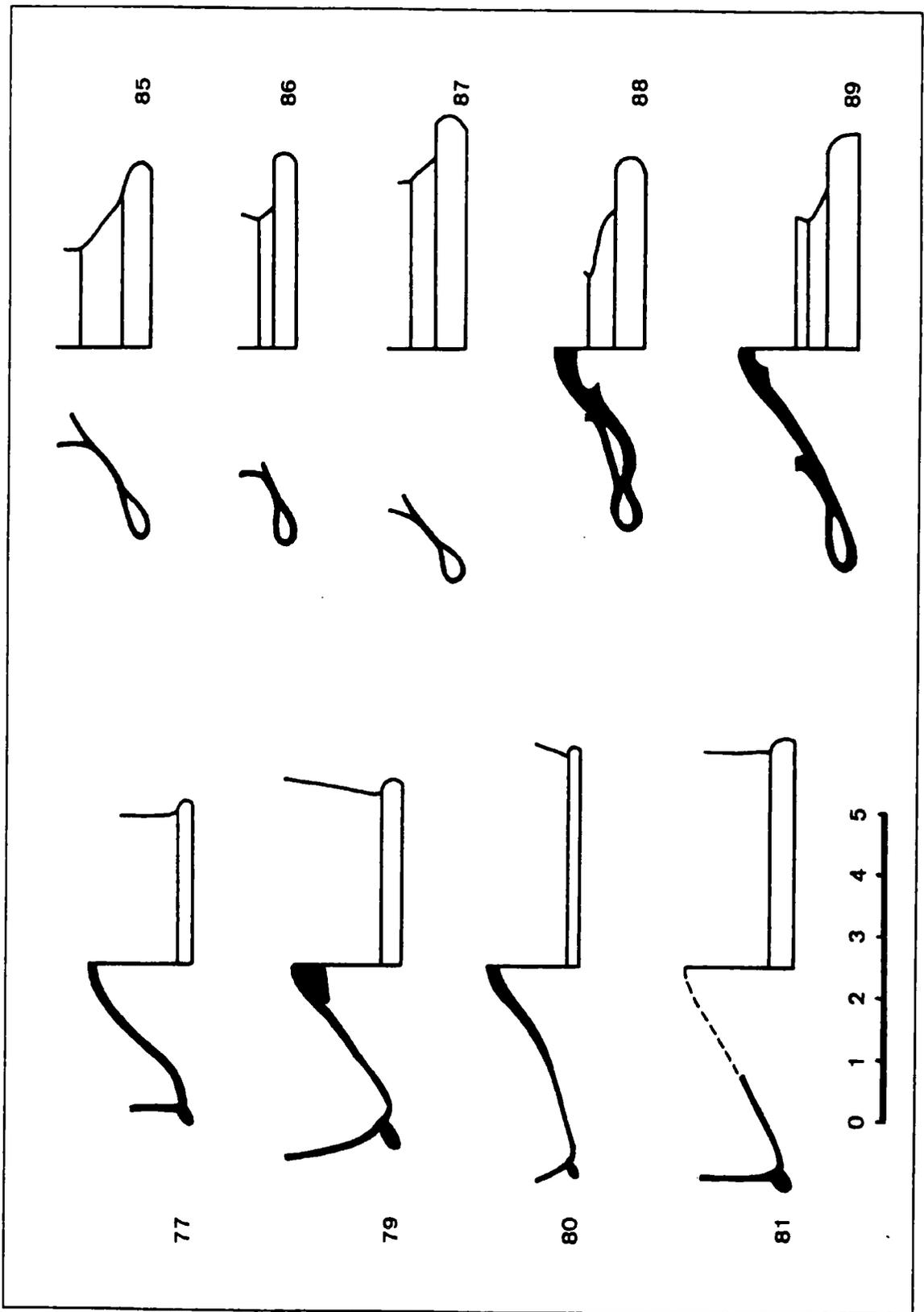
Fragments from beakers with thin applied trailing, from the Palazzo Vitelleschi, Tarquinia [69 and 70], Tuscania [75] and Santo Stefano, Anguillara [76]



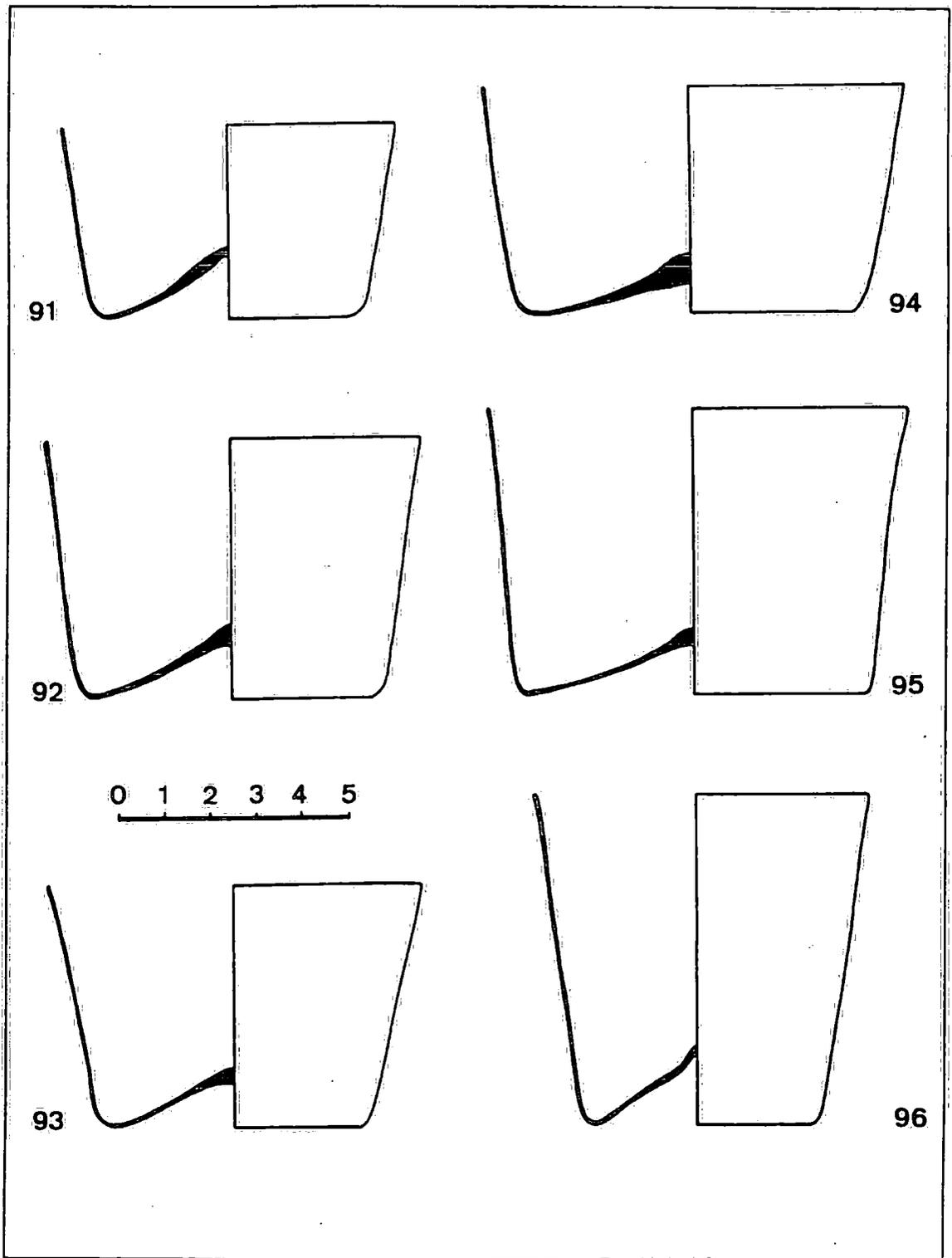
A. Wall fragments from a beaker with thin abstract trailing [71]; Palazzo Vitelleschi, Tarquinia



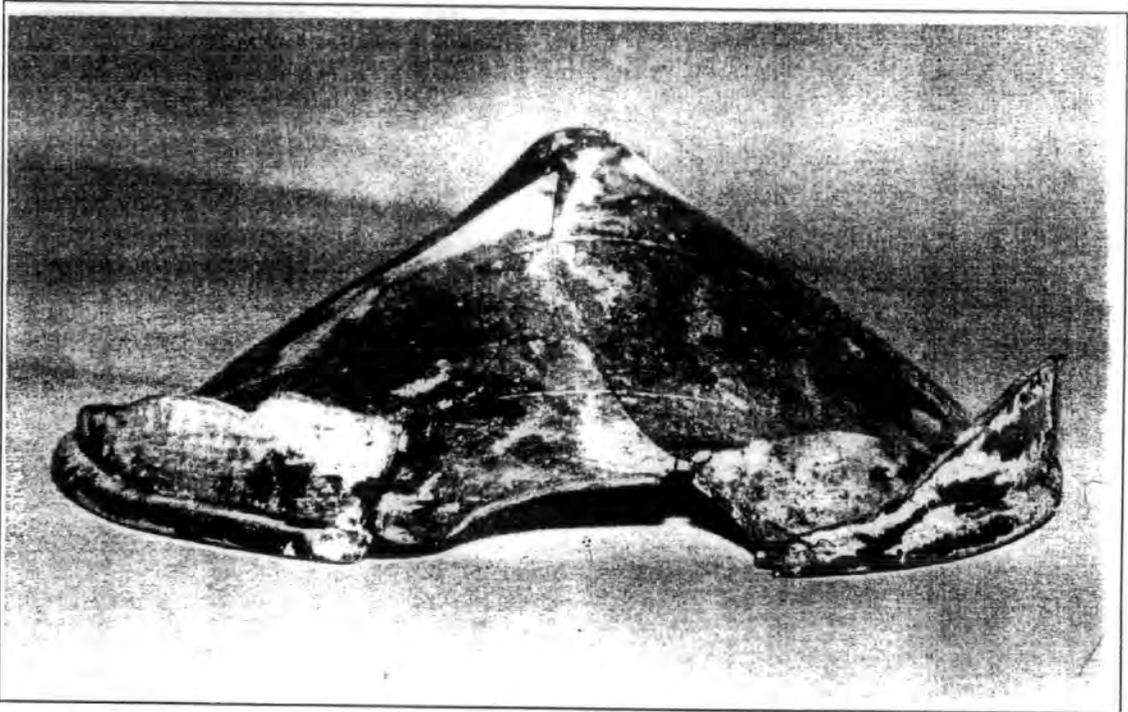
B. Lower body fragments from a squat beaker with thin abstract trailing [73]; Palazzo Vitelleschi, Tarquinia



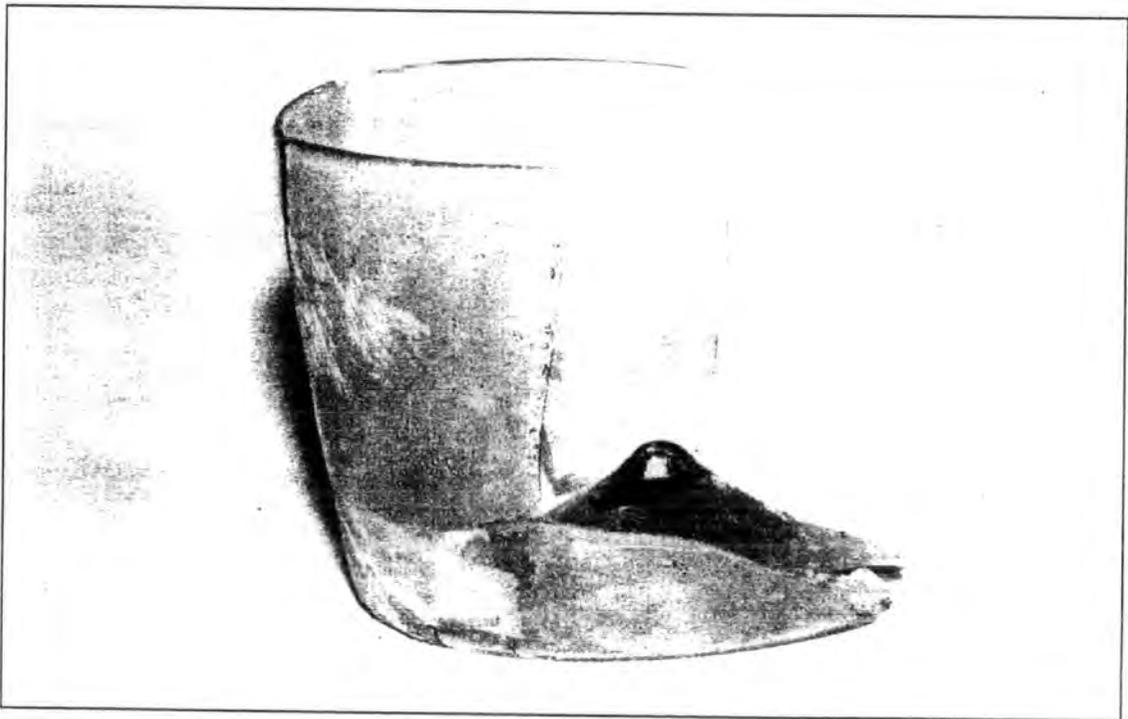
Profiles of the lower bodies and bases from plain beakers with thin solid base-rings [77-81] and hollow-tubular base-rings [85-9]; Palazzo Vitelleschi, Tarquinia



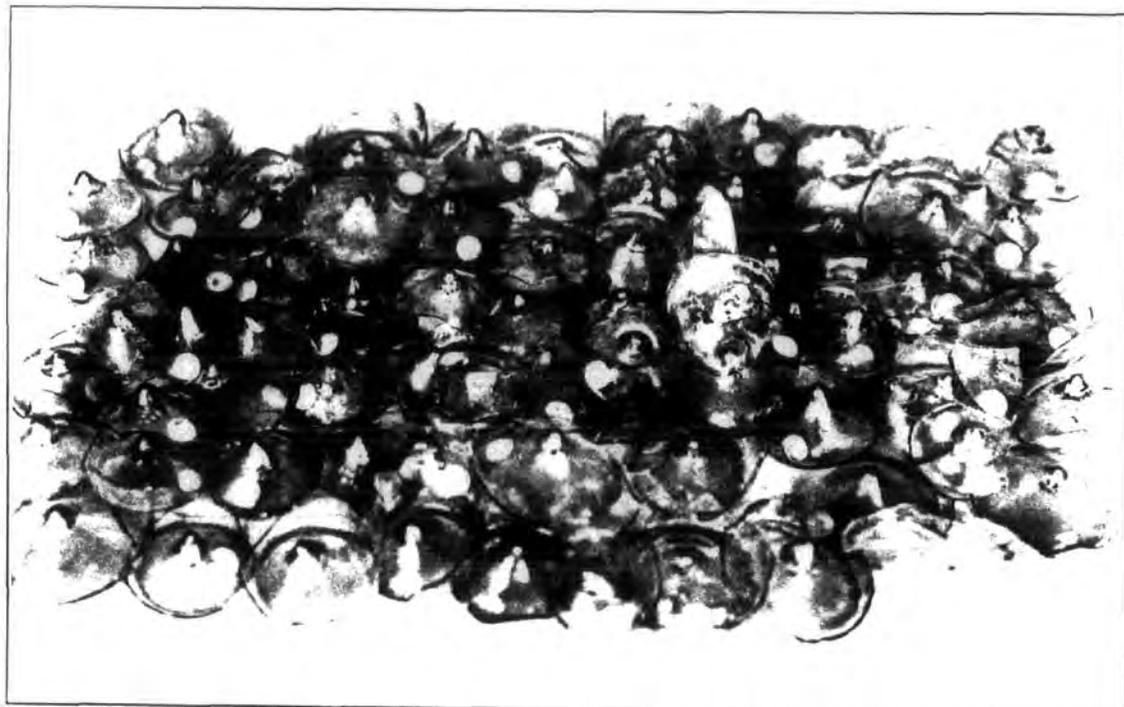
Profiles of plain free-blown truncated-conical beakers [91-6]; Palazzo Vitelleschi, Tarquinia



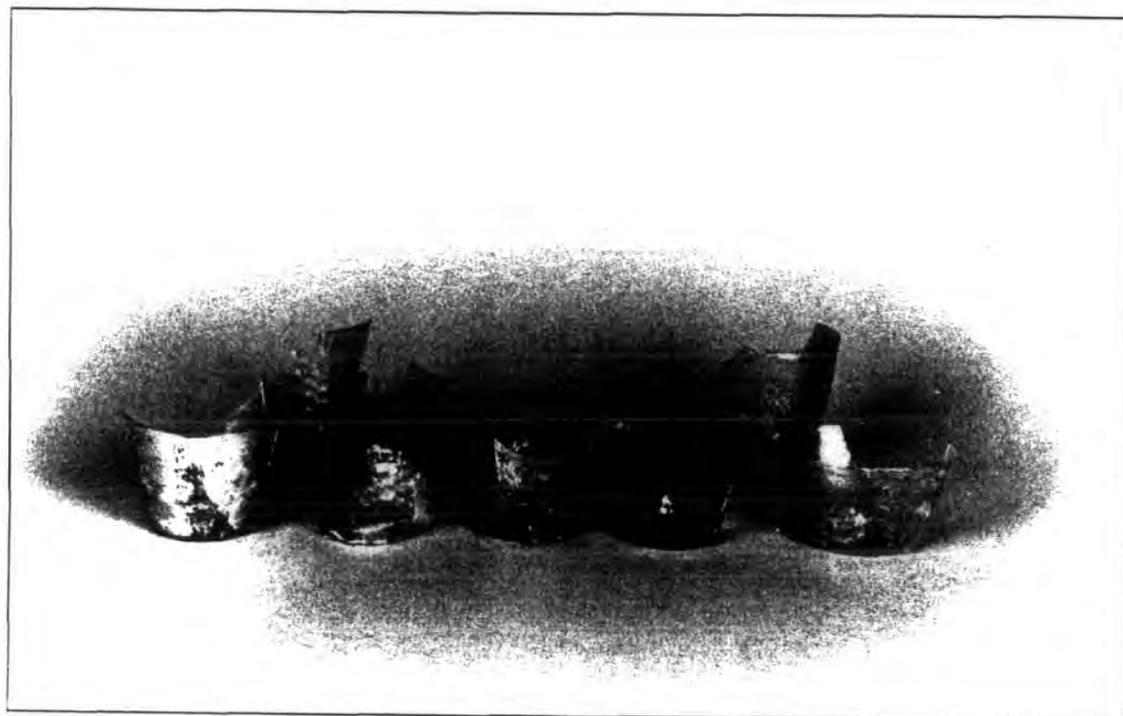
A. Beaker base with a thin applied solid base-ring [80]; Palazzo Vitelleschi, Tarquinia. Diameter 70 mm



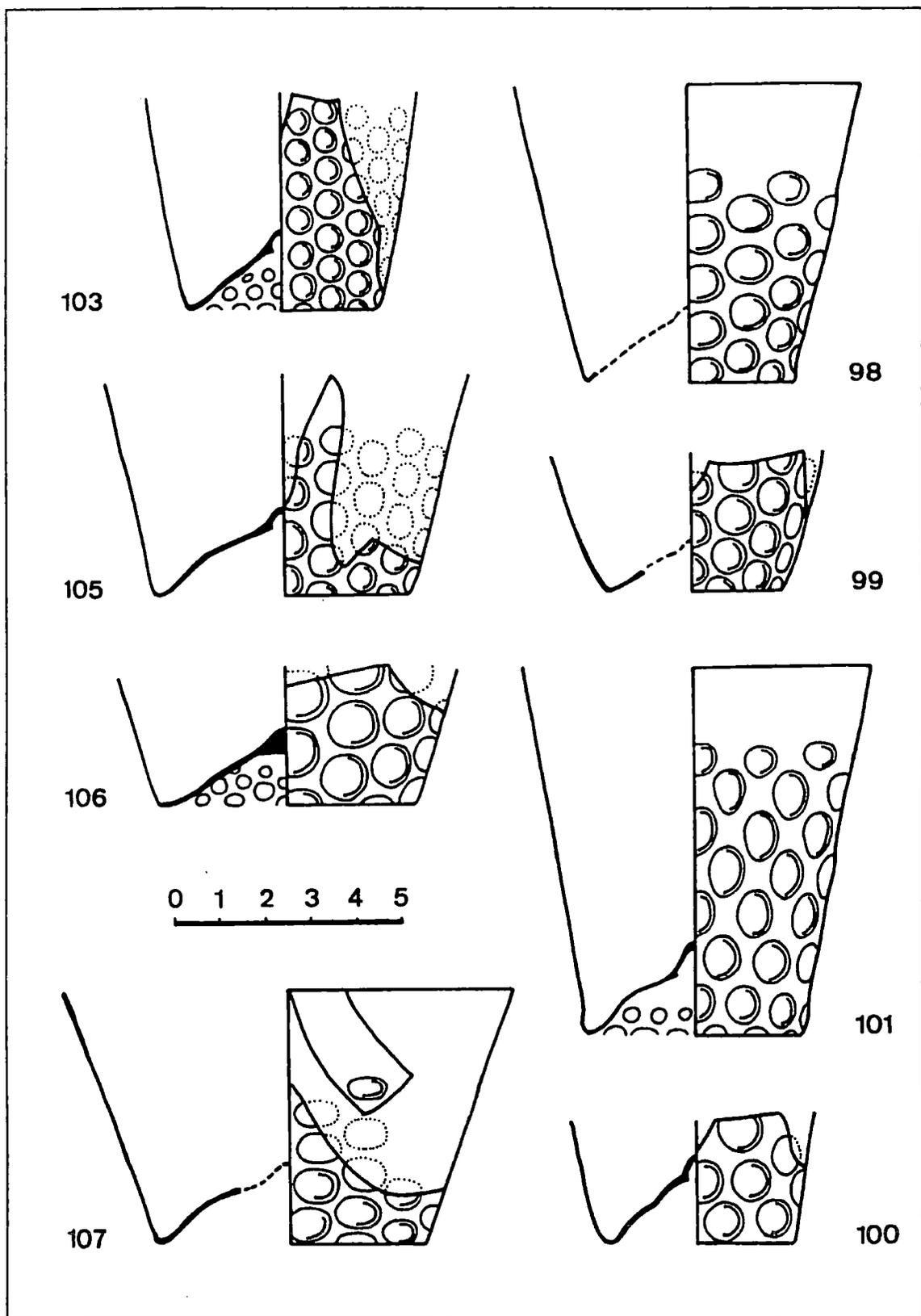
B. Plain beaker with almost vertical walls and a pushed-in base with a conical kick [92]; Palazzo Vitelleschi, Tarquinia. Height 55 mm



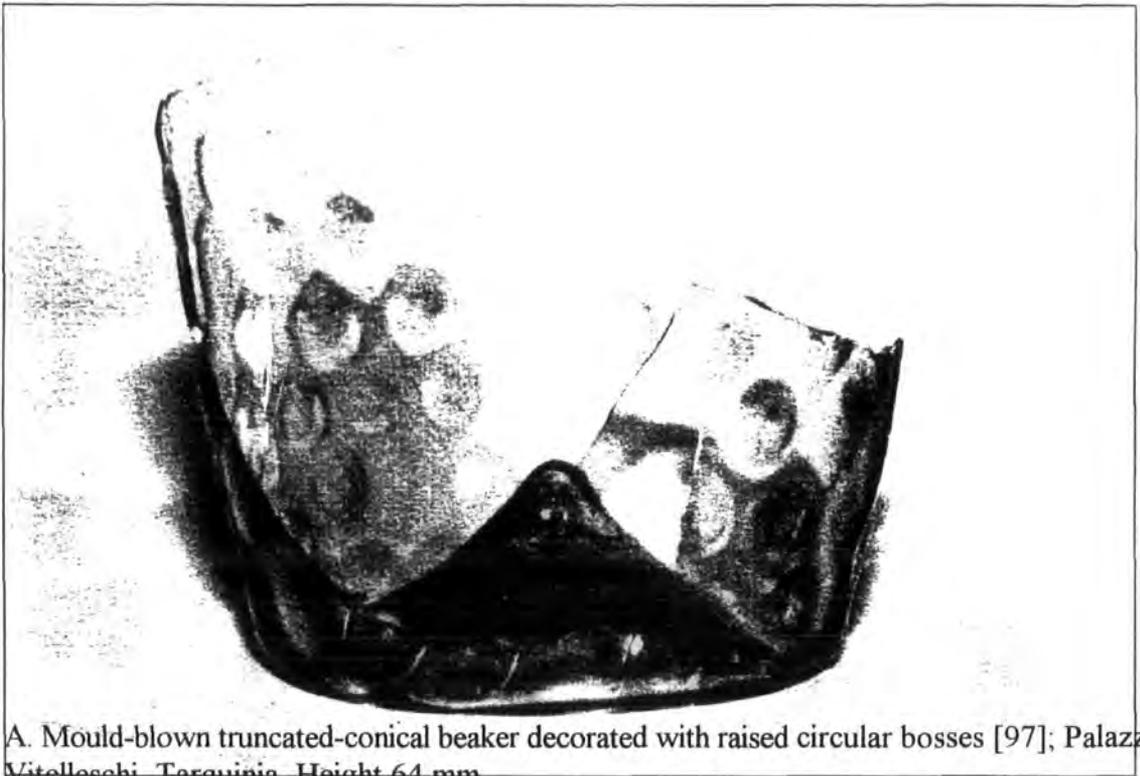
A. Selection of bases from mould-blown beakers from the Palazzo Vitelleschi, Tarquinia



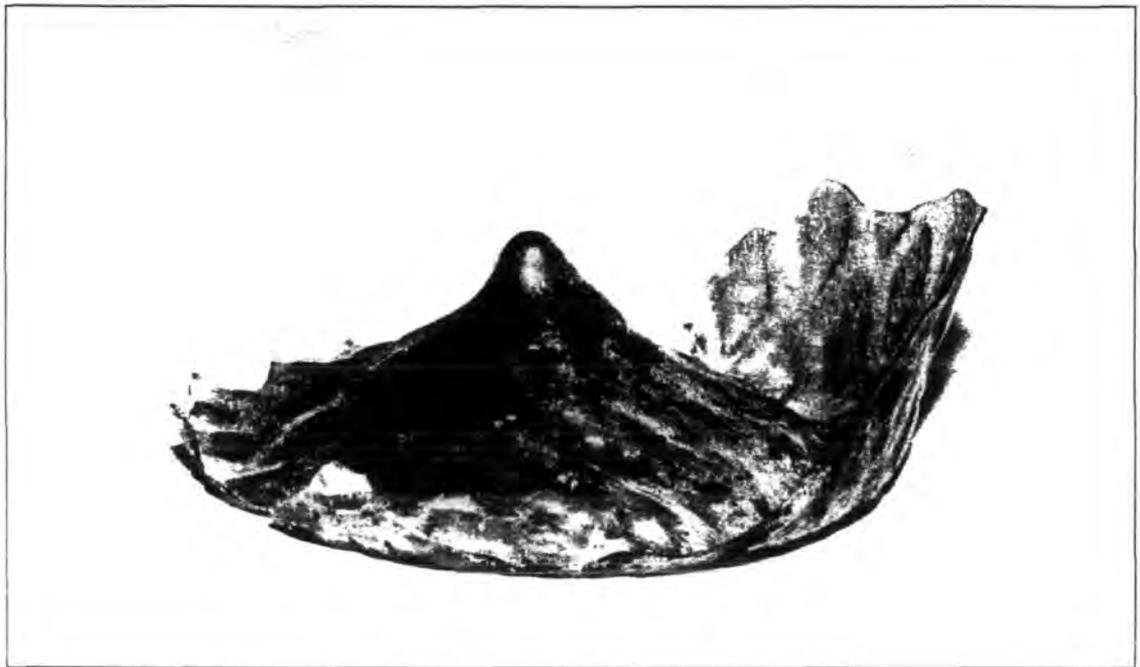
B. Selection of reconstructible mould-blown truncated-conical beakers from the Palazzo Vitelleschi, Tarquinia



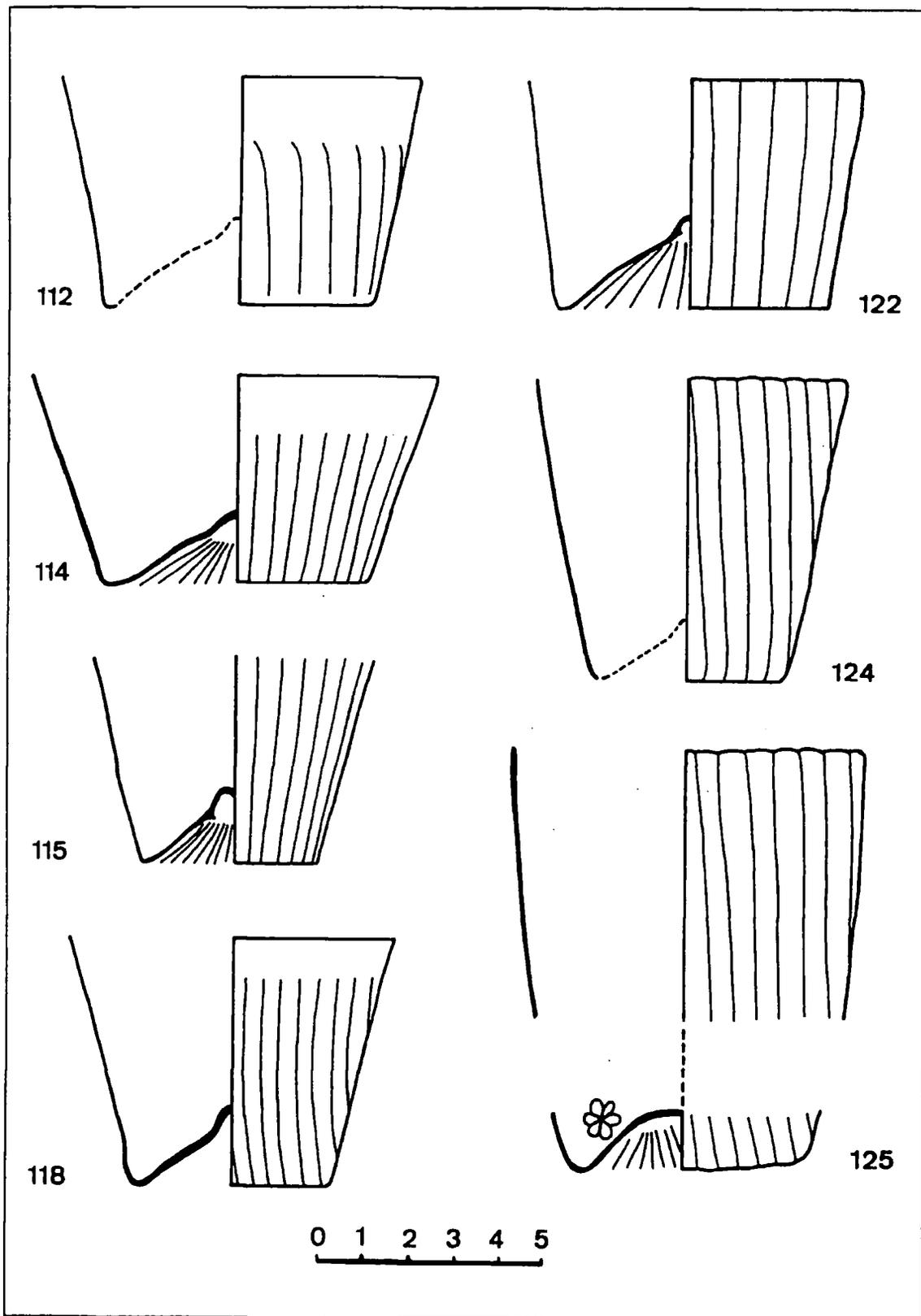
Profiles of mould-blown truncated-conical beakers decorated with raised circular bosses from the Palazzo Vitelleschi, Tarquinia



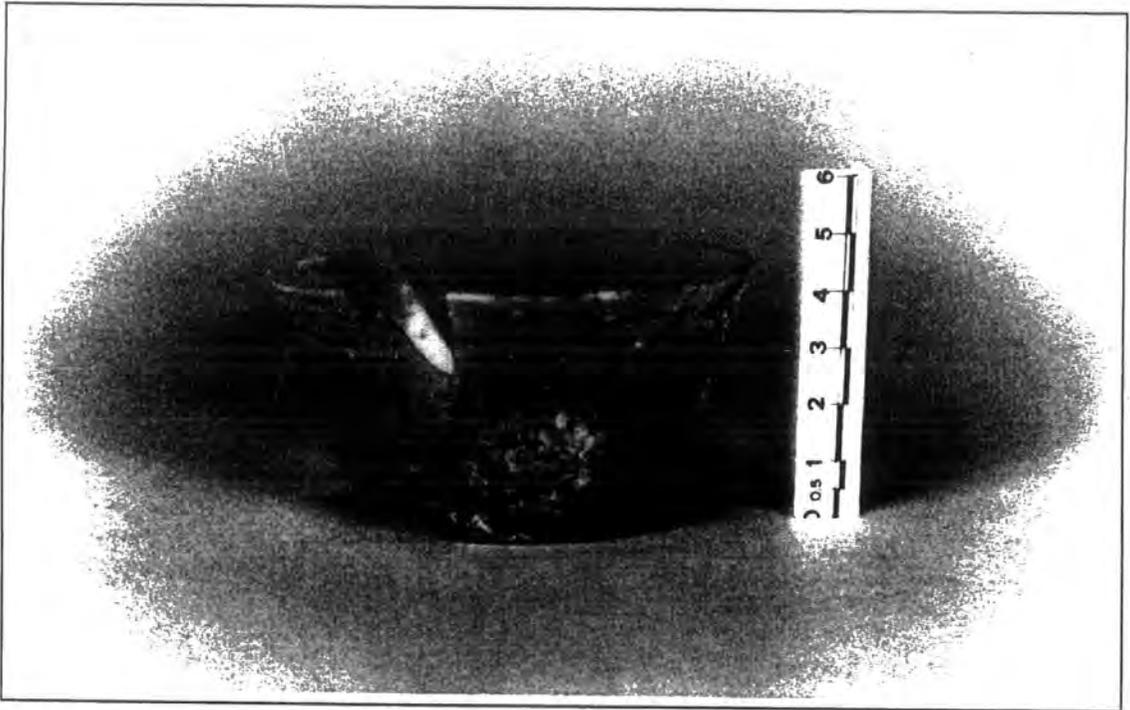
A. Mould-blown truncated-conical beaker decorated with raised circular bosses [97]; Palazzo Vitelleschi, Tarquinia. Height 64 mm



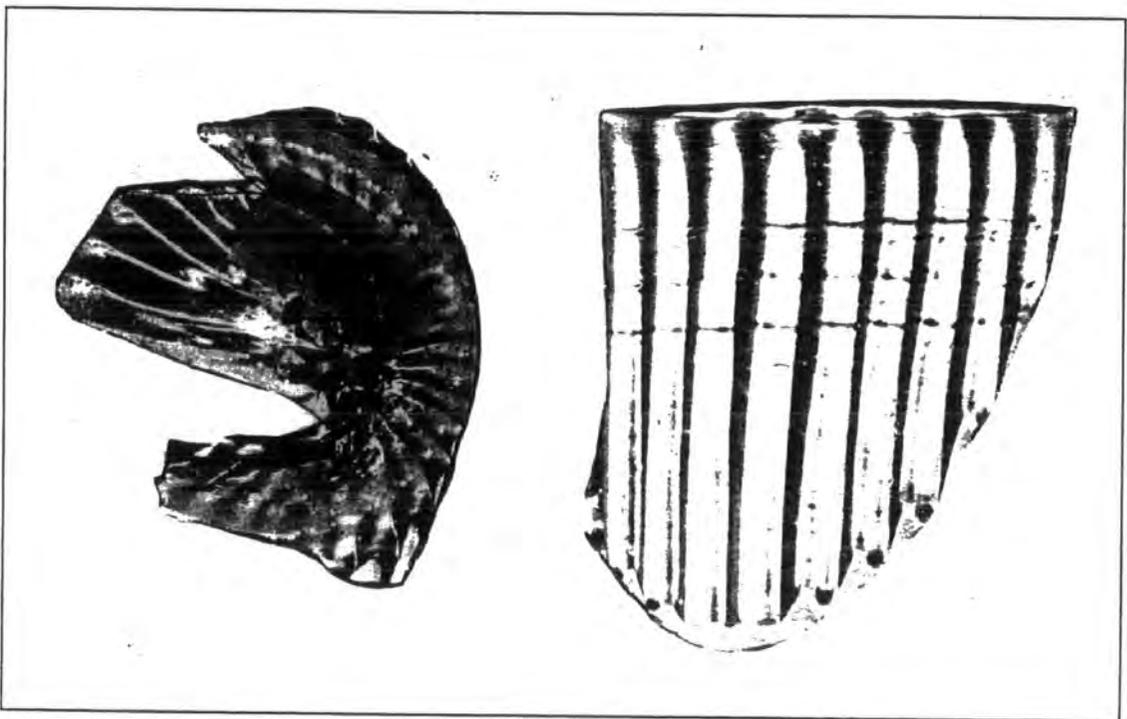
B. Mould-blown base from a truncated-conical beaker decorated with raised diamond-shaped bosses [134]; Palazzo Vitelleschi, Tarquinia. Height 45 mm



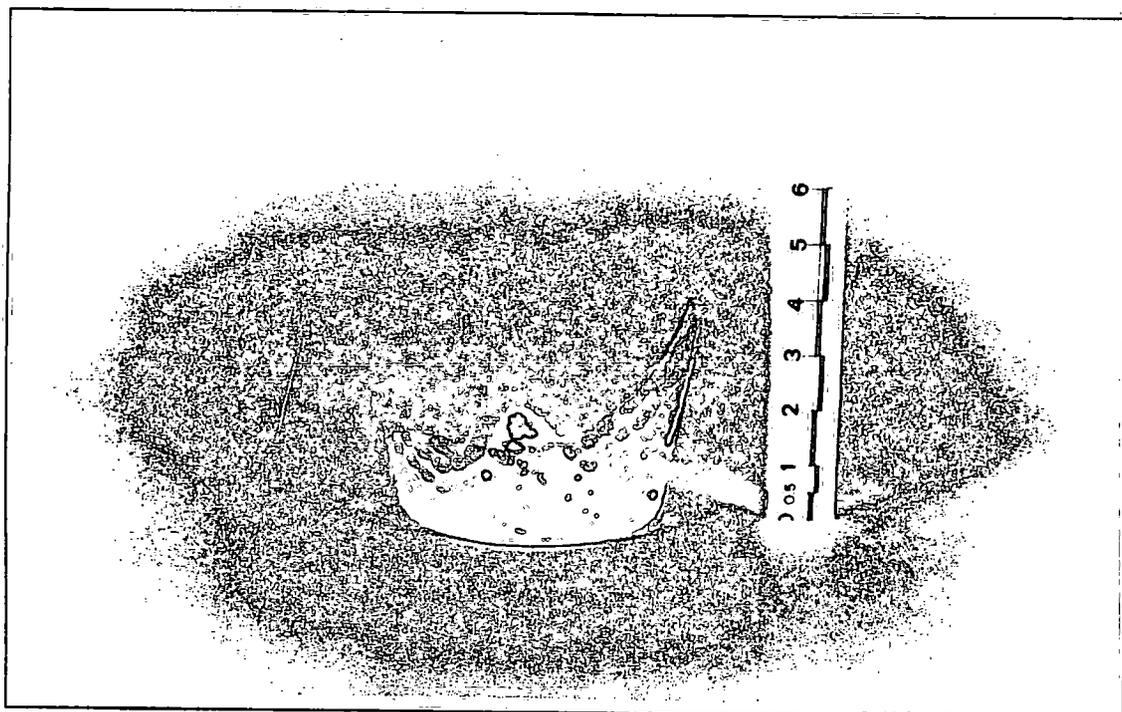
Profiles of mould-blown truncated-conical beakers decorated with vertical ribbing, from the Palazzo Vitelleschi, Tarquinia



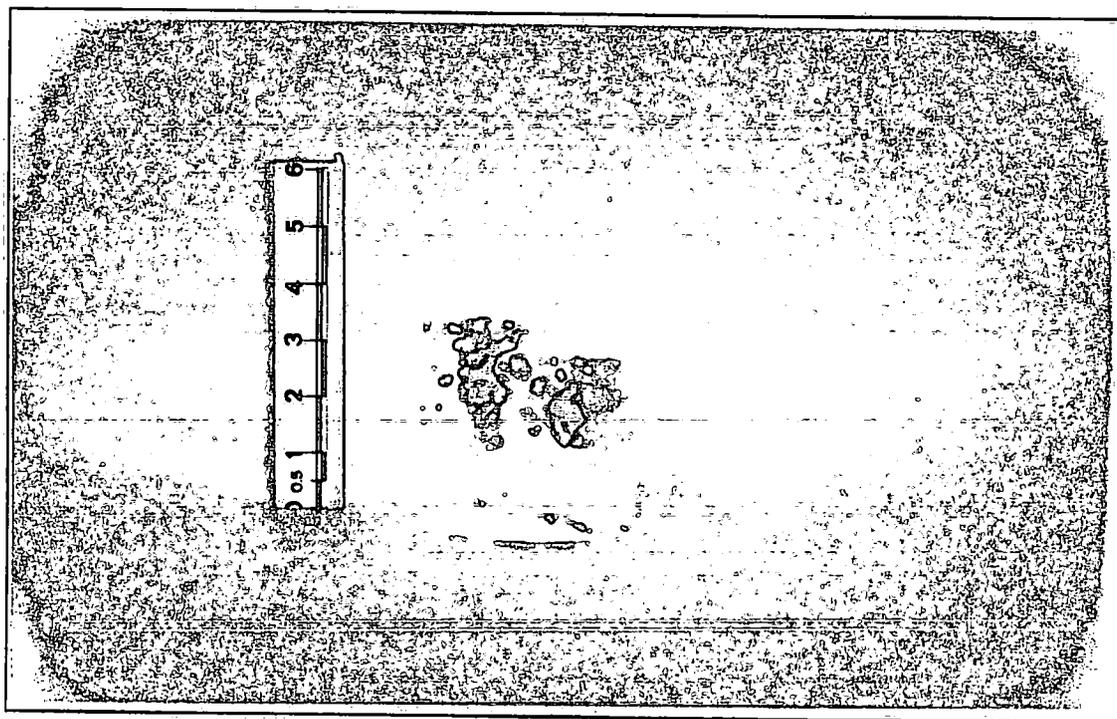
A. Reconstructible squat beaker with vertical ribbing [114]; Palazzo Vitelleschi, Tarquinia



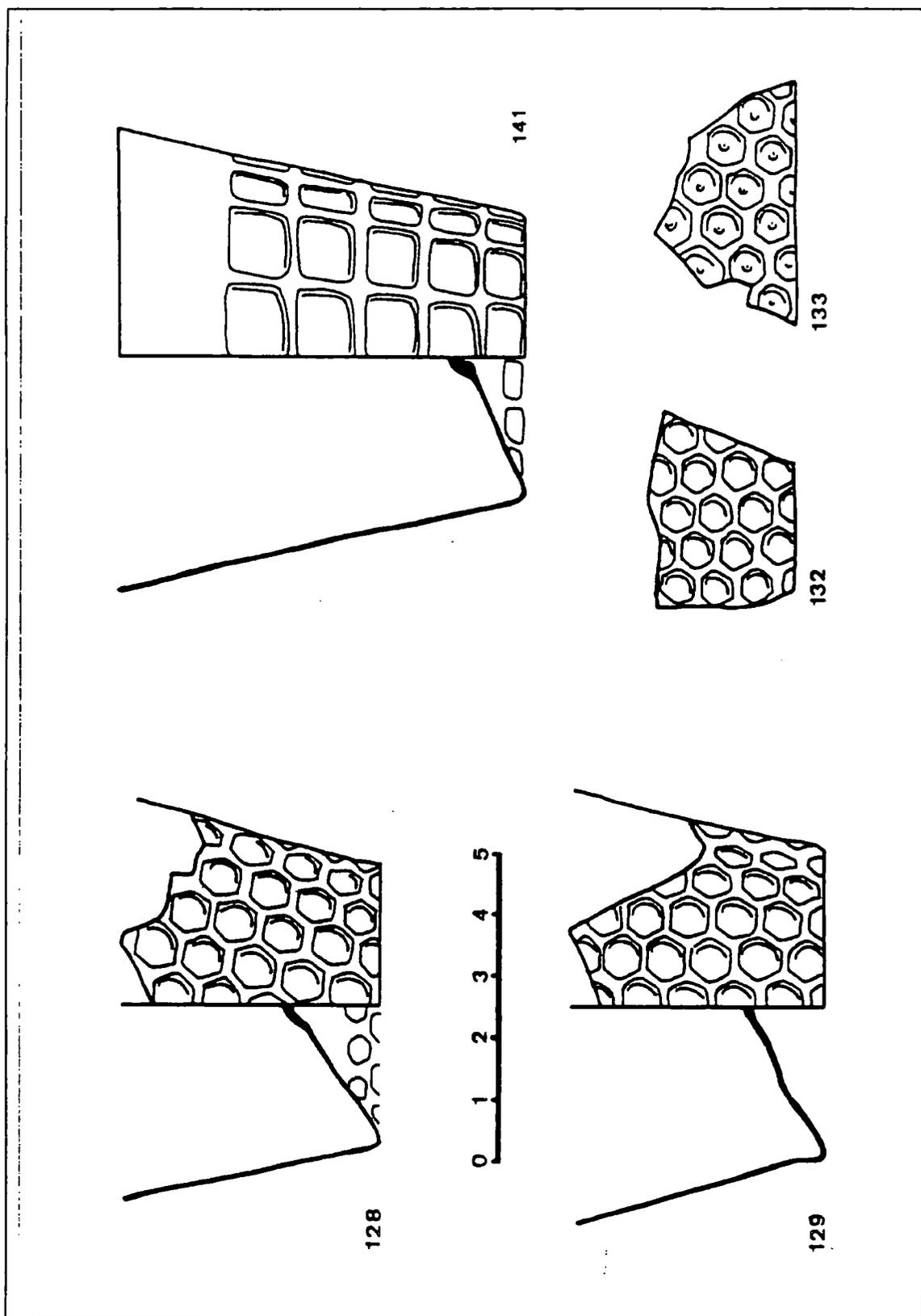
B. Two fragments from a mould-blown beaker with an applied rosette on the underside of the base [125]; Palazzo Vitelleschi, Tarquinia. Base diameter 48 mm



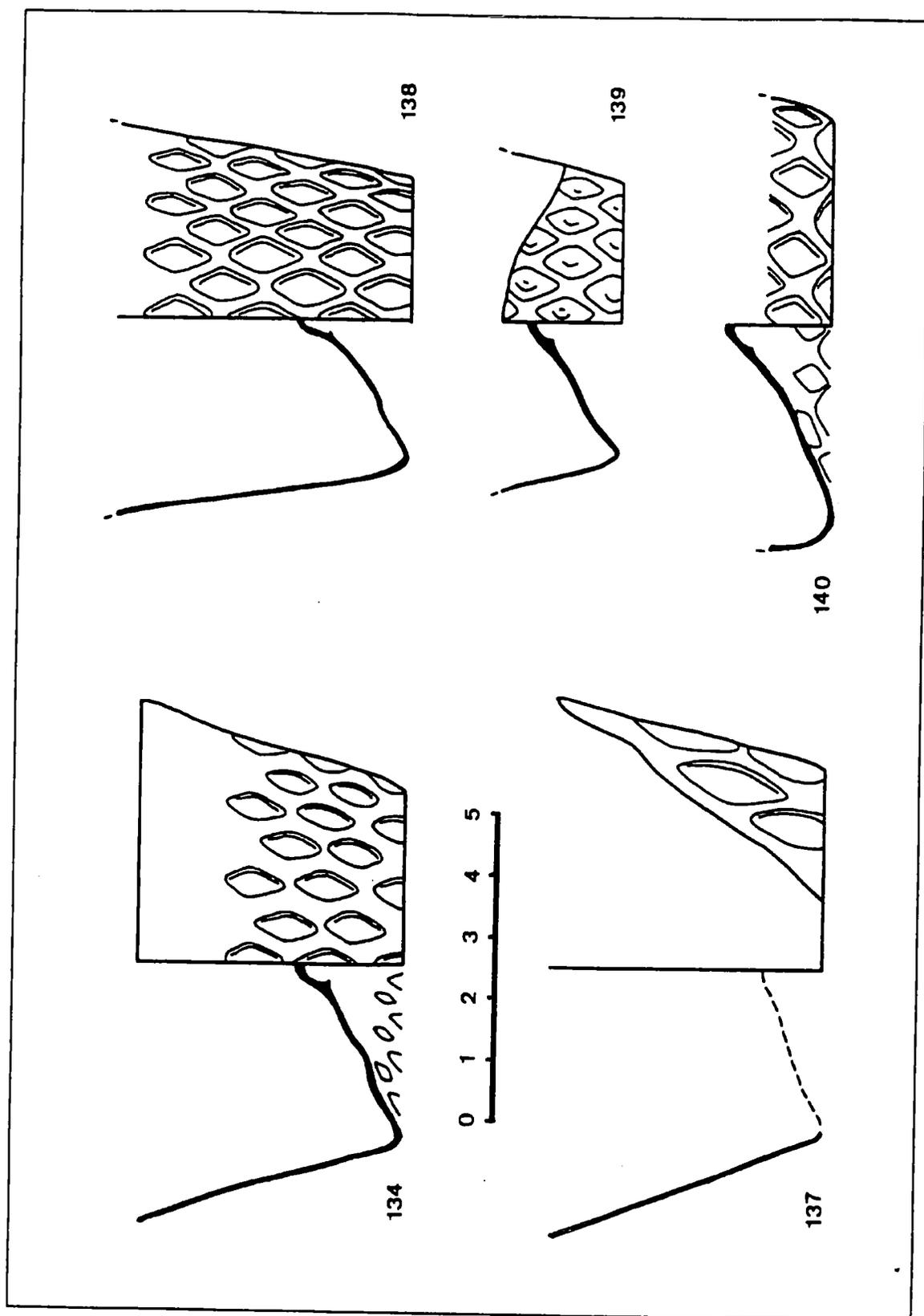
A. Lower part of a mould-blown beaker decorated with small hexagons [128]; Palazzo Vitelleschi, Tarquinia



B. Lower body and pushed-in base from a mould-blown truncated-conical beaker decorated with hexagons [129]; Palazzo Vitelleschi, Tarquinia



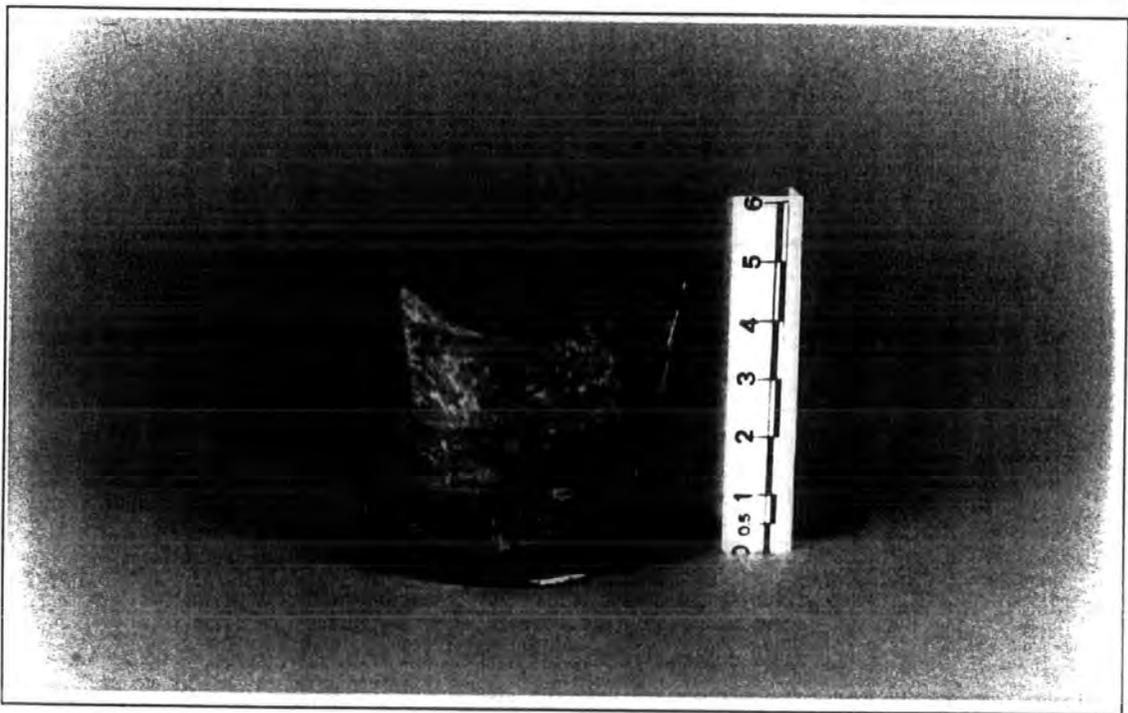
Profiles of mould-blown truncated-conical beakers decorated with hexagons and rectangular bosses, from the Palazzo Vitelleschi, Tarquinia



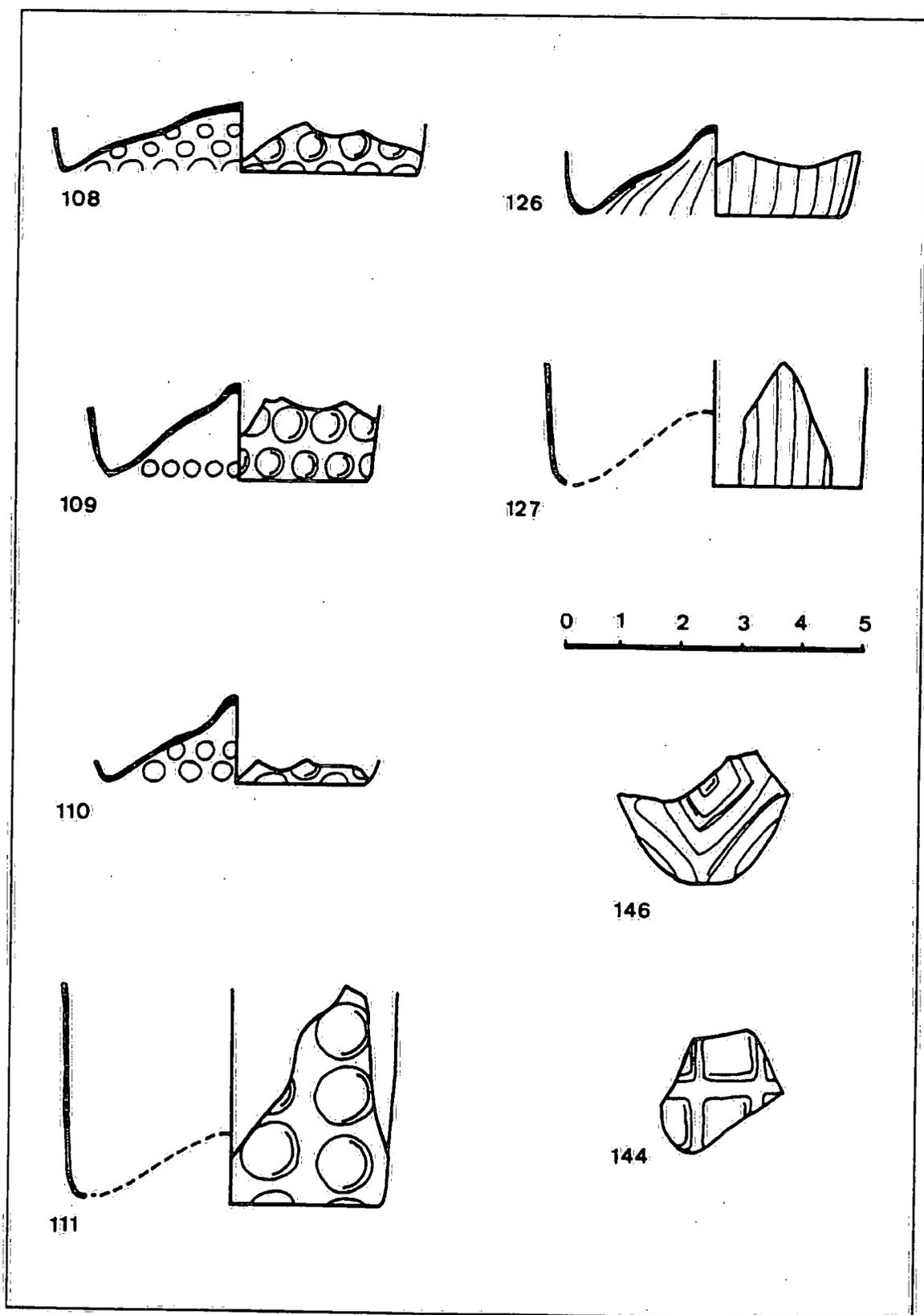
Profiles of mould-blown truncated-conical beakers decorated with diamond-shaped bosses, from the Palazzo Vitelleschi, Tarquinia



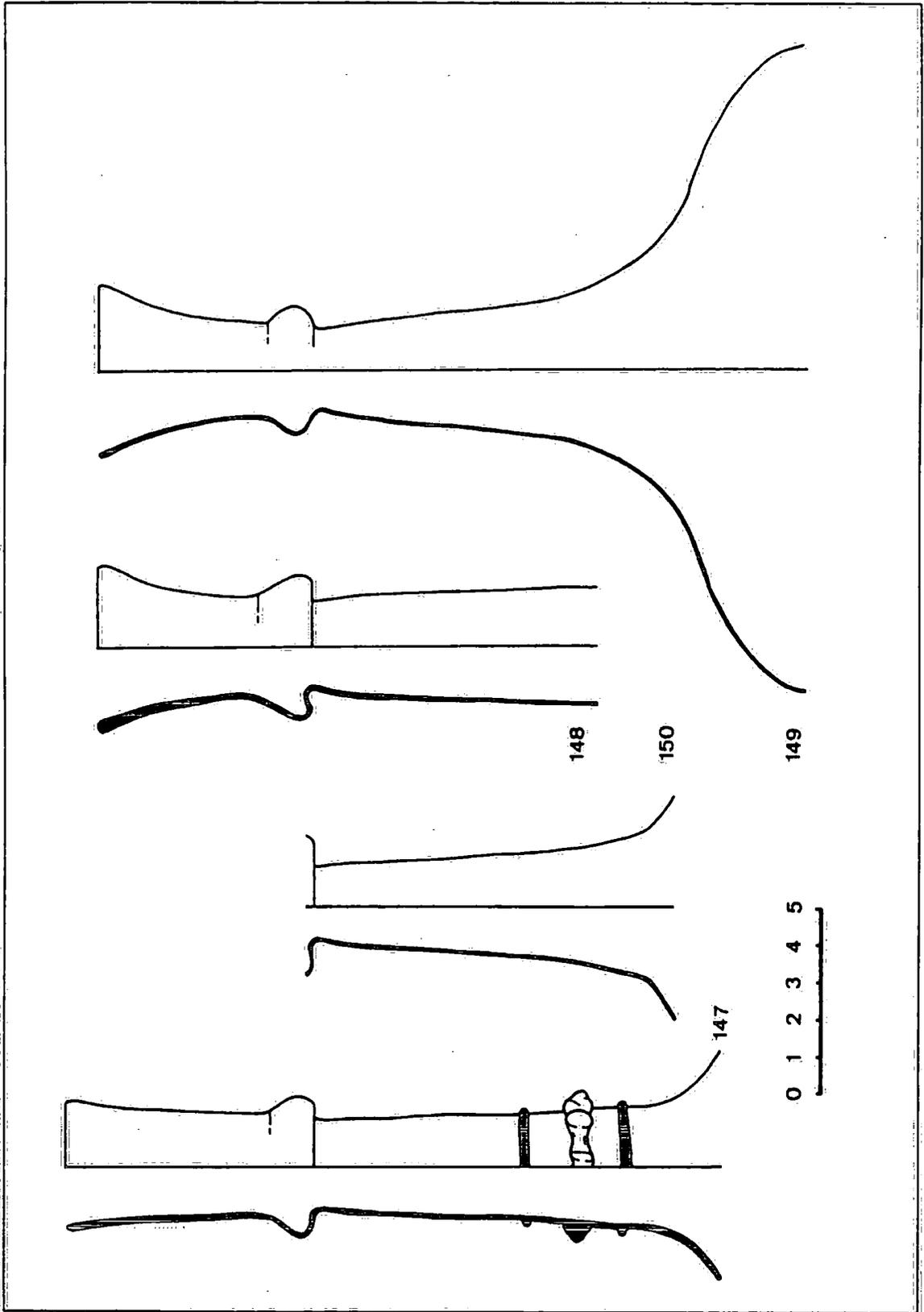
A. Reconstructible beaker with large diamonds [136]; Palazzo Vitelleschi, Tarquinia



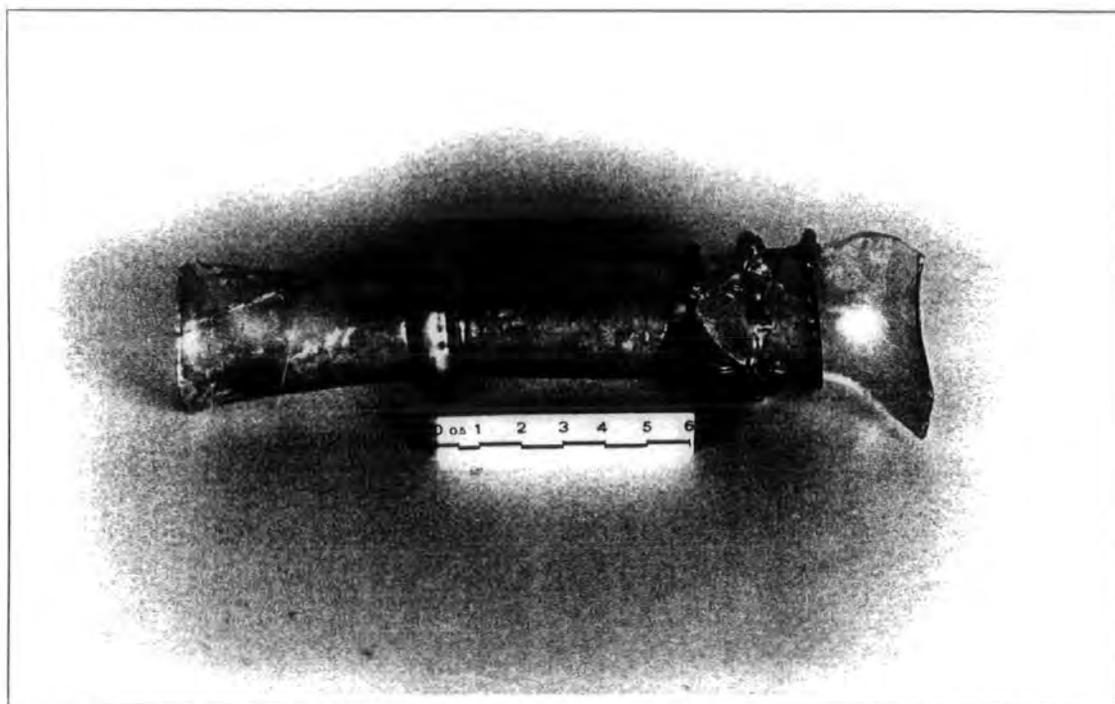
B. Lower part of a mould-blown beaker decorated with rectangular bosses [141]; Palazzo Vitelleschi, Tarquinia



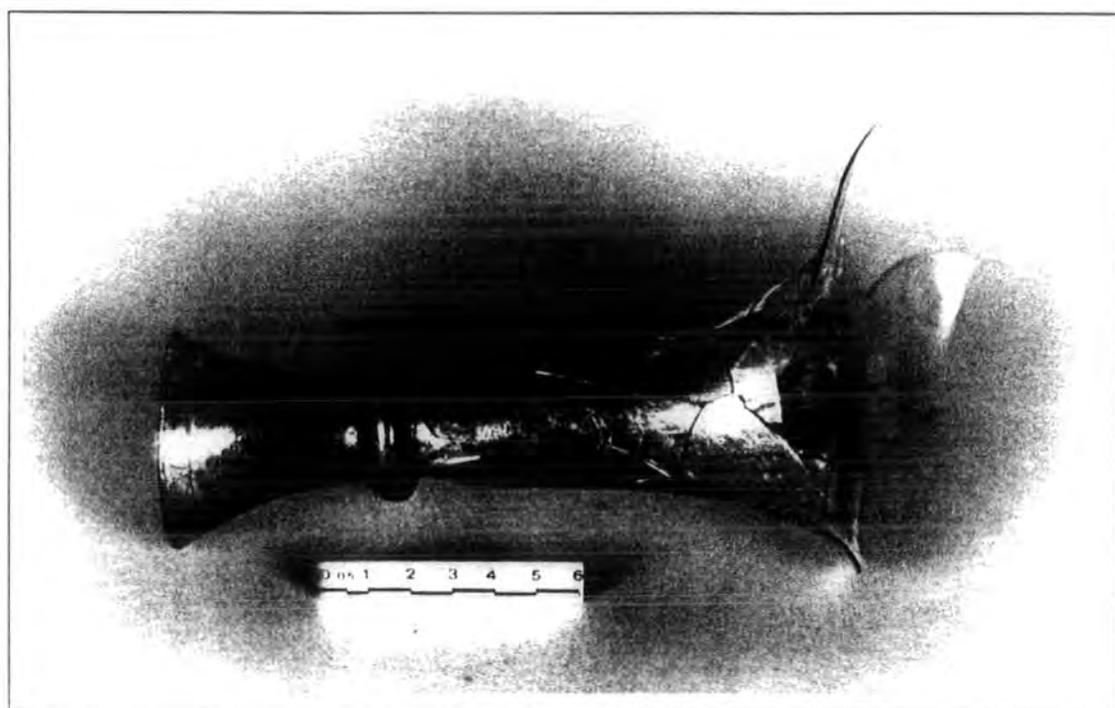
Fragments from mould-blown beakers from the Abbey of Farfa



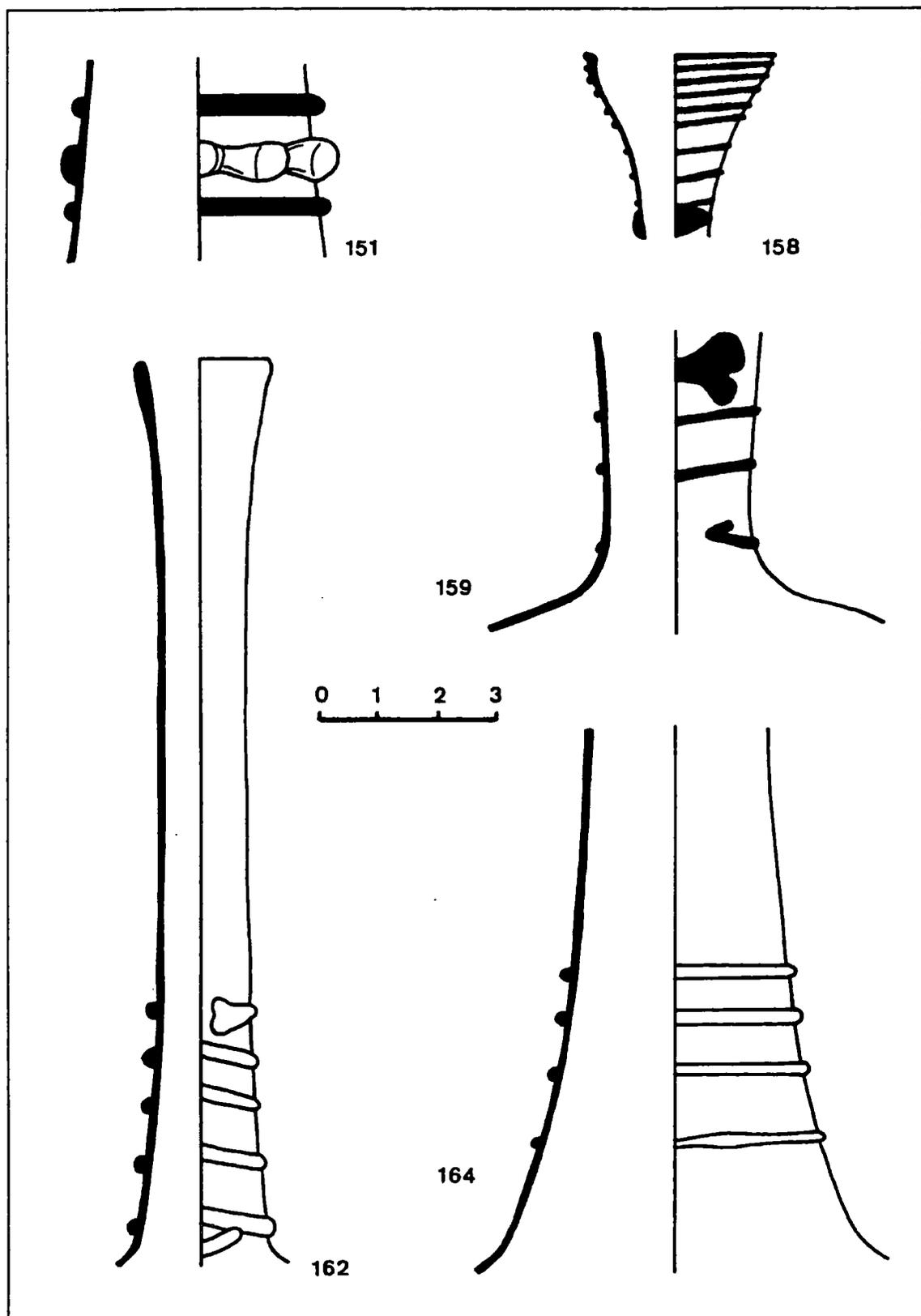
Profiles of long bottle necks with horizontal neck swellings, from the Palazzo Vitelleschi, Tarquinia



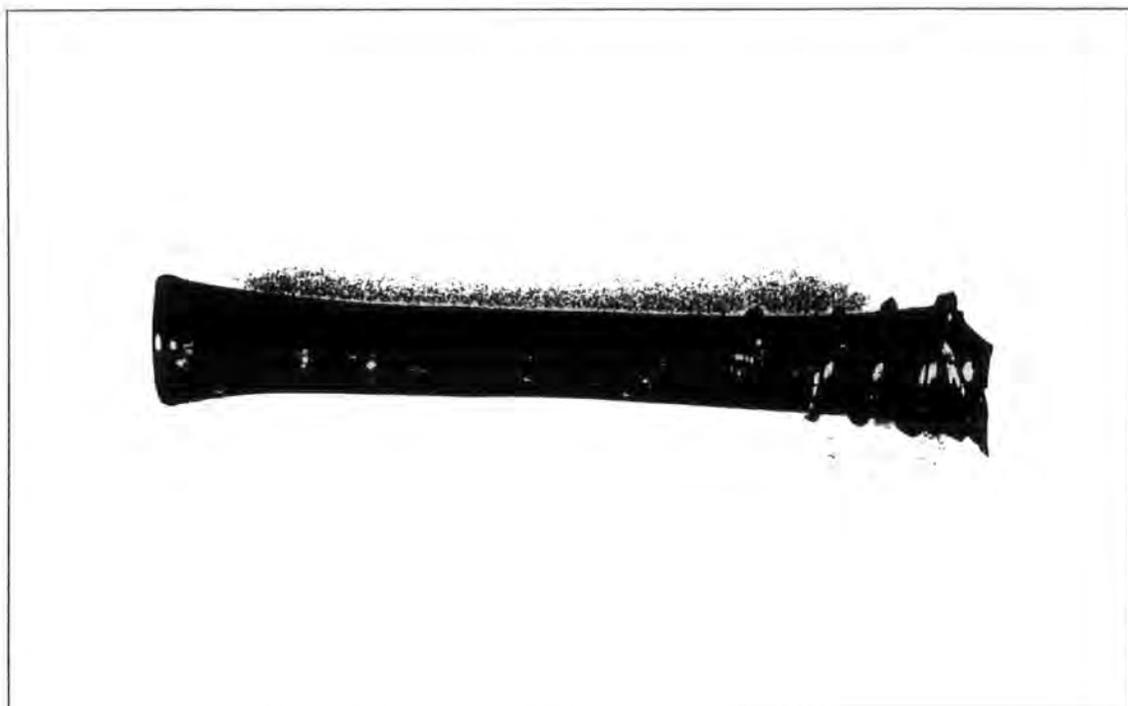
A. Bottle neck with swelling and decorated with two blue horizontal trails sandwiching a colourless pincer coil [147]; Palazzo Vitelleschi, Tarquinia



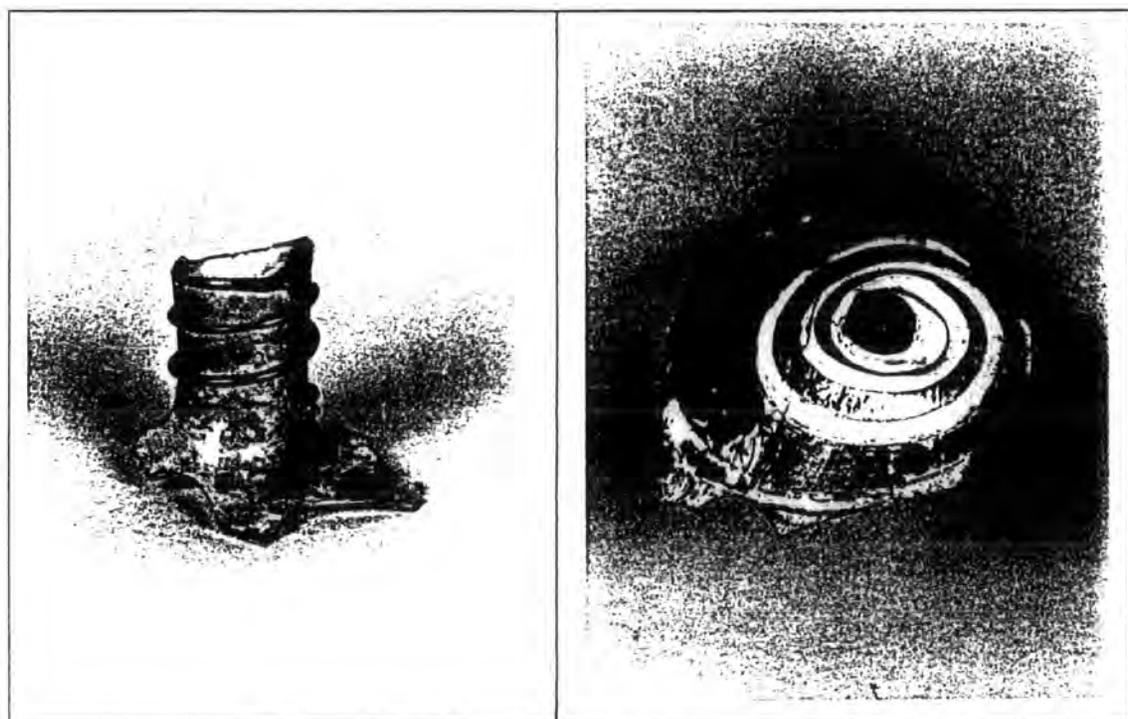
B. Long neck and shoulder from a large bottle with a neck bulge [149]; Palazzo Vitelleschi, Tarquinia



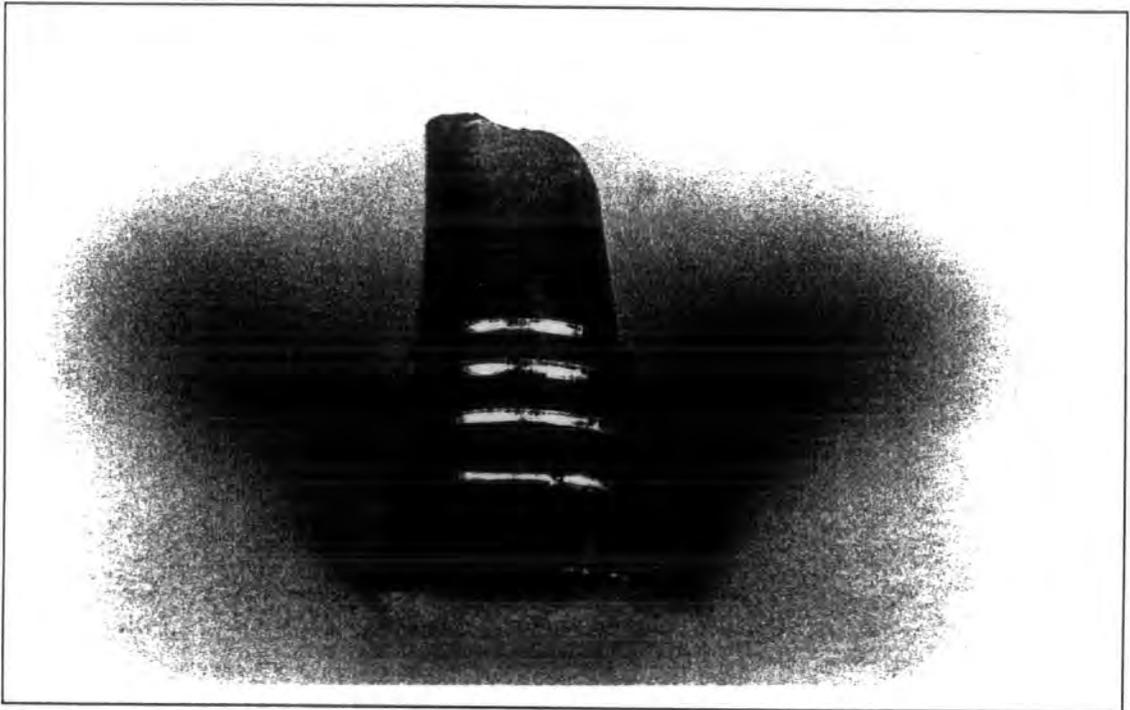
Profiles of decorated bottle necks, some with blue trailing, from Farfa Abbey [158] and the Palazzo Vitelleschi, Tarquinia [151, 159, 162 and 164]



A. Long bottle neck decorated with spiral trailing [162]; Palazzo Vitelleschi, Tarquinia. Height 148 mm



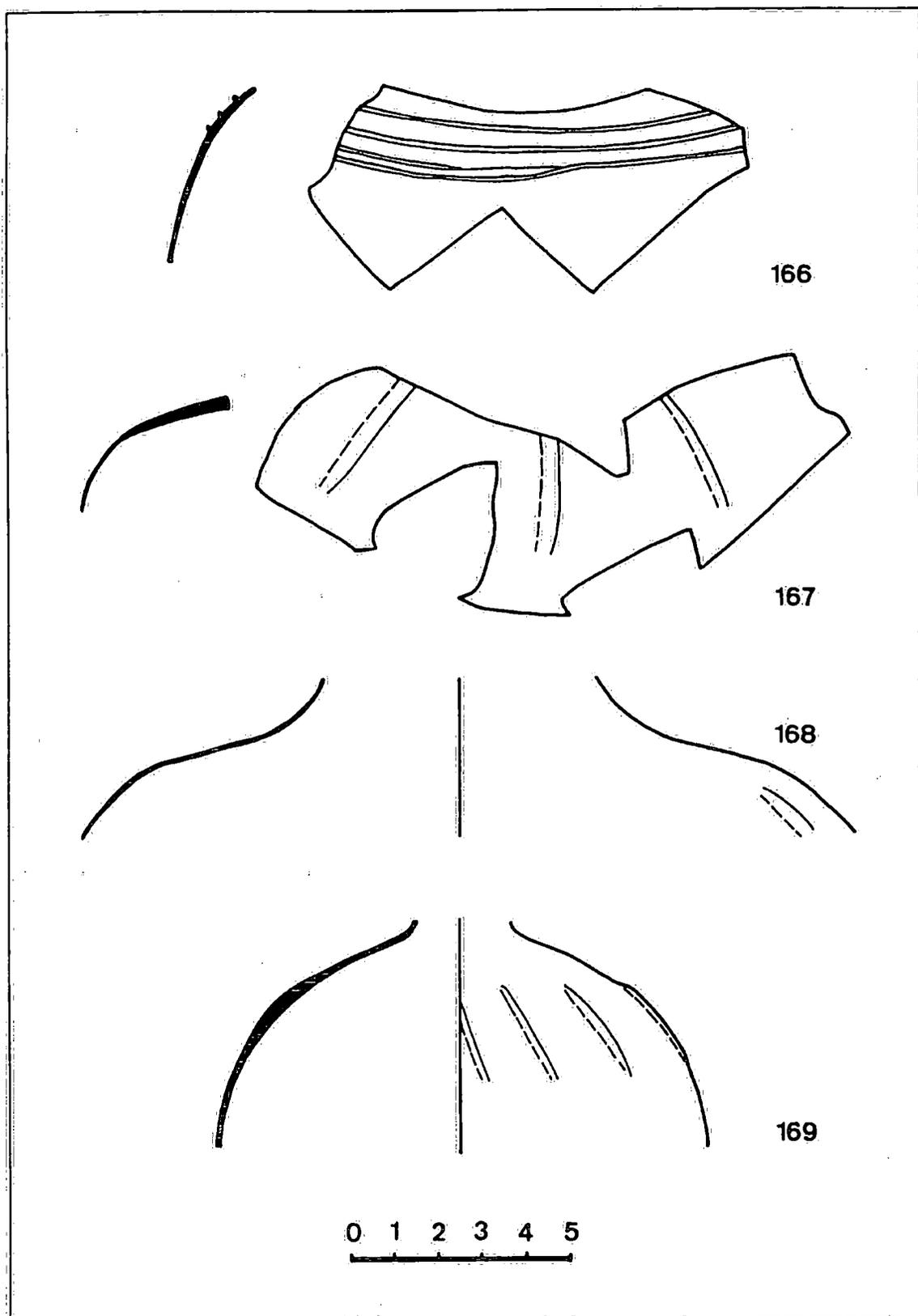
B. Lower bottle neck decorated with blue trailing [159]; Palazzo Vitelleschi, Tarquinia. Height 47 mm. C. Pushed-in bottom from a blue bottle decorated with an opaque white spiral trail [187]; Palazzo Vitelleschi, Tarquinia. Max. diameter 70 mm



A. Lower bottle neck decorated with spiral trailing [164]; Palazzo Vitelleschi, Tarquinia. Height 88 mm

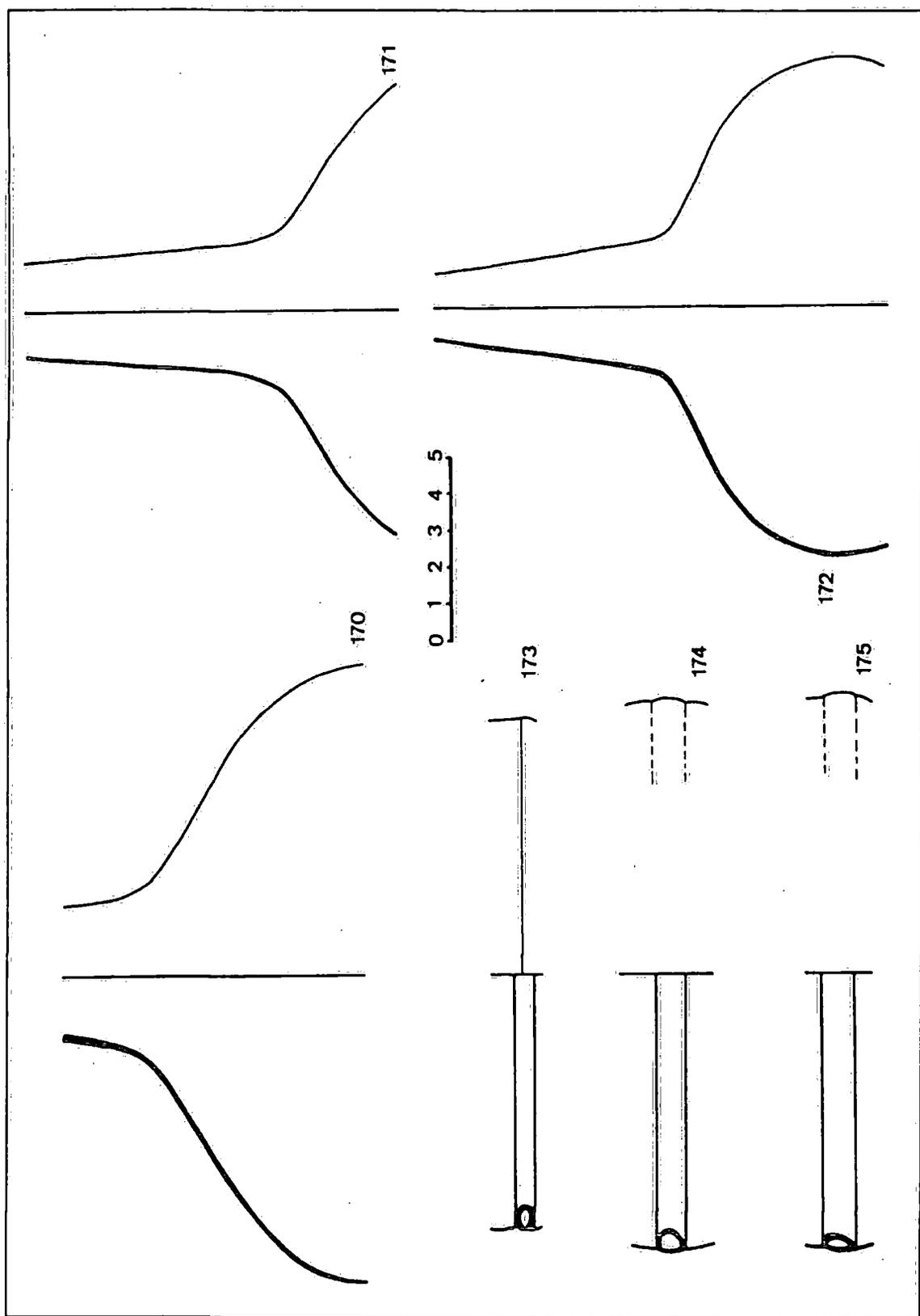


B. Upper body and shoulder from a bottle decorated with short pincer ribs [169]; Palazzo Vitelleschi, Tarquinia. Max. diameter 110 mm

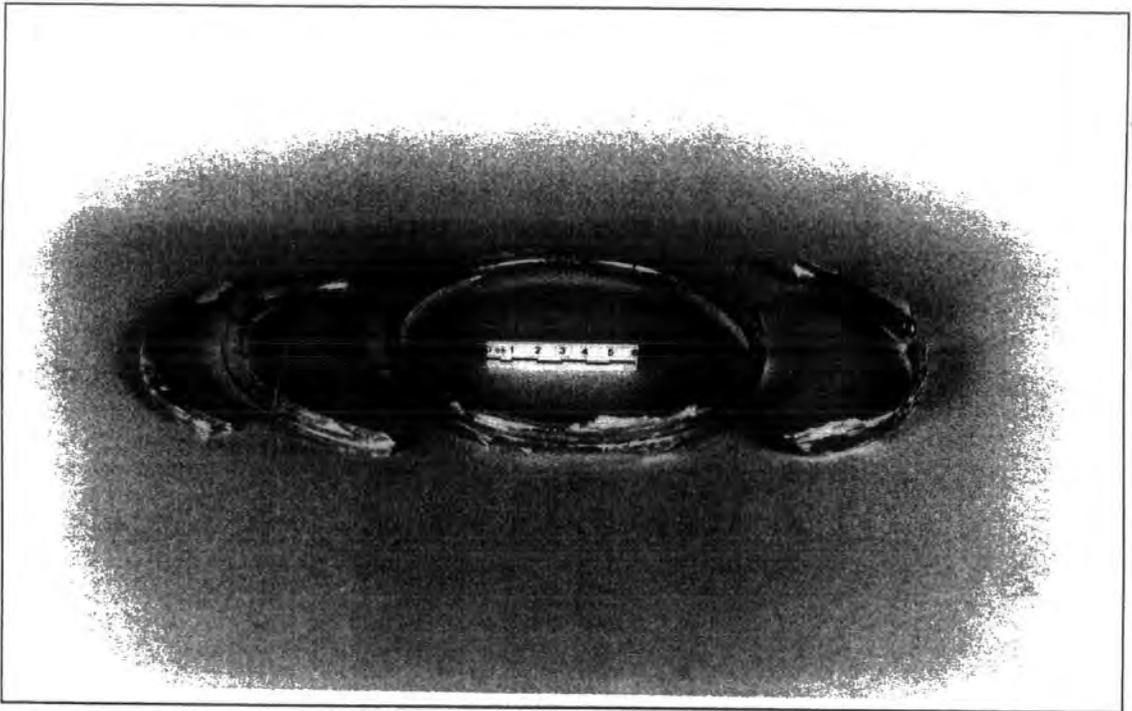


Profiles of bottle bodies decorated with spiral trailing [166] and pincerd vertical ribs [167-9]; Palazzo Vitelleschi, Tarquinia

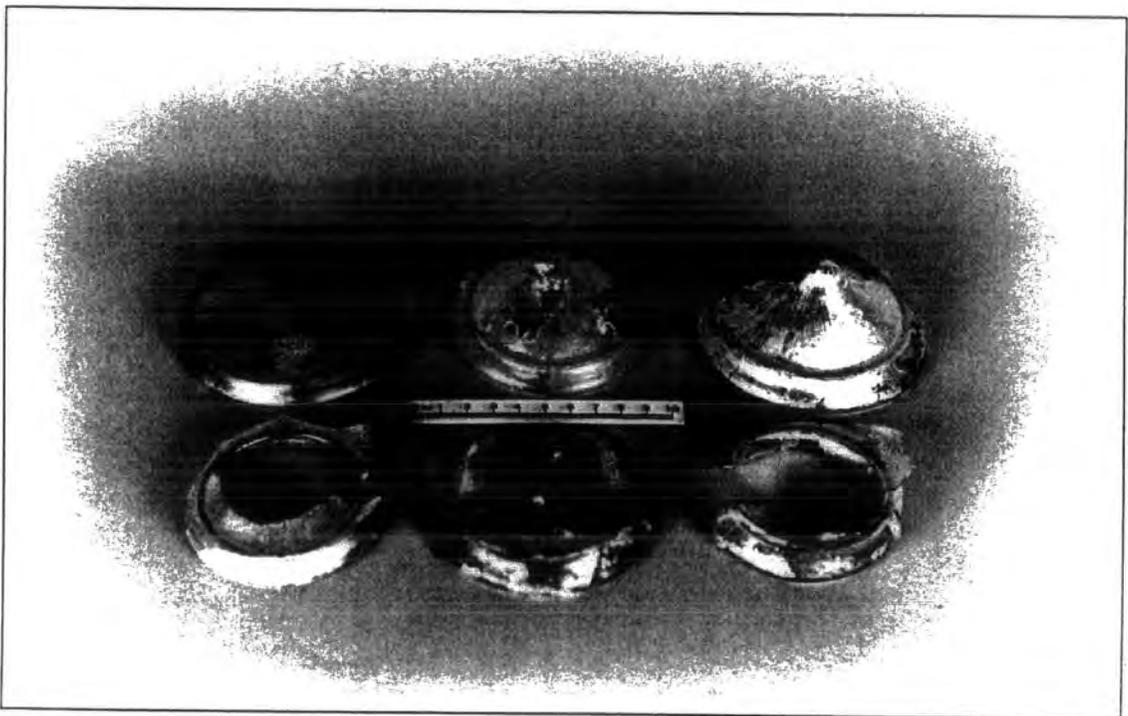
FIGURE 41



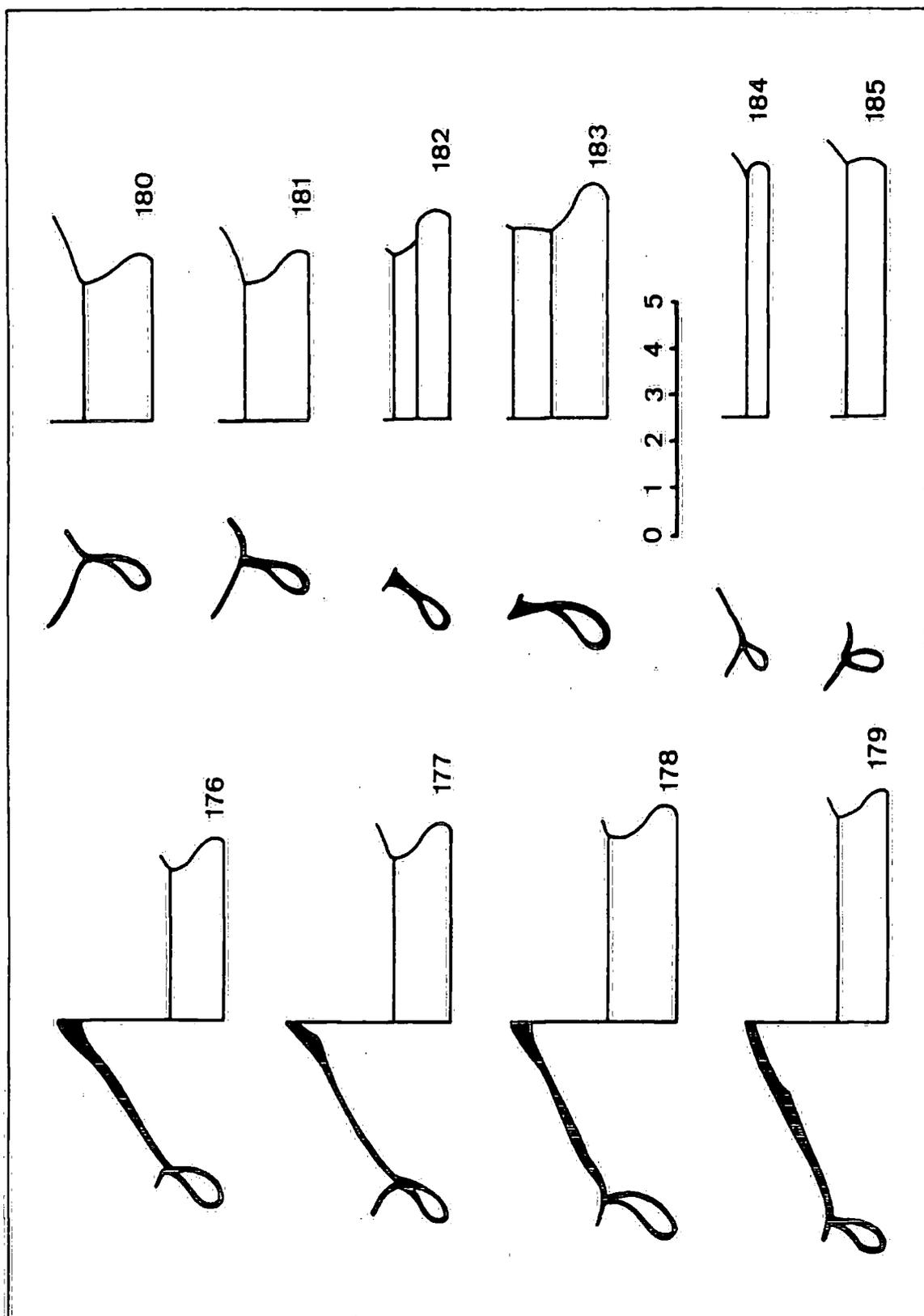
Profiles of lower necks and shoulders from plain bottles [170-2] and hollow-tubular strengthening rings [173-5]; Palazzo Vitelleschi, Tarquinia



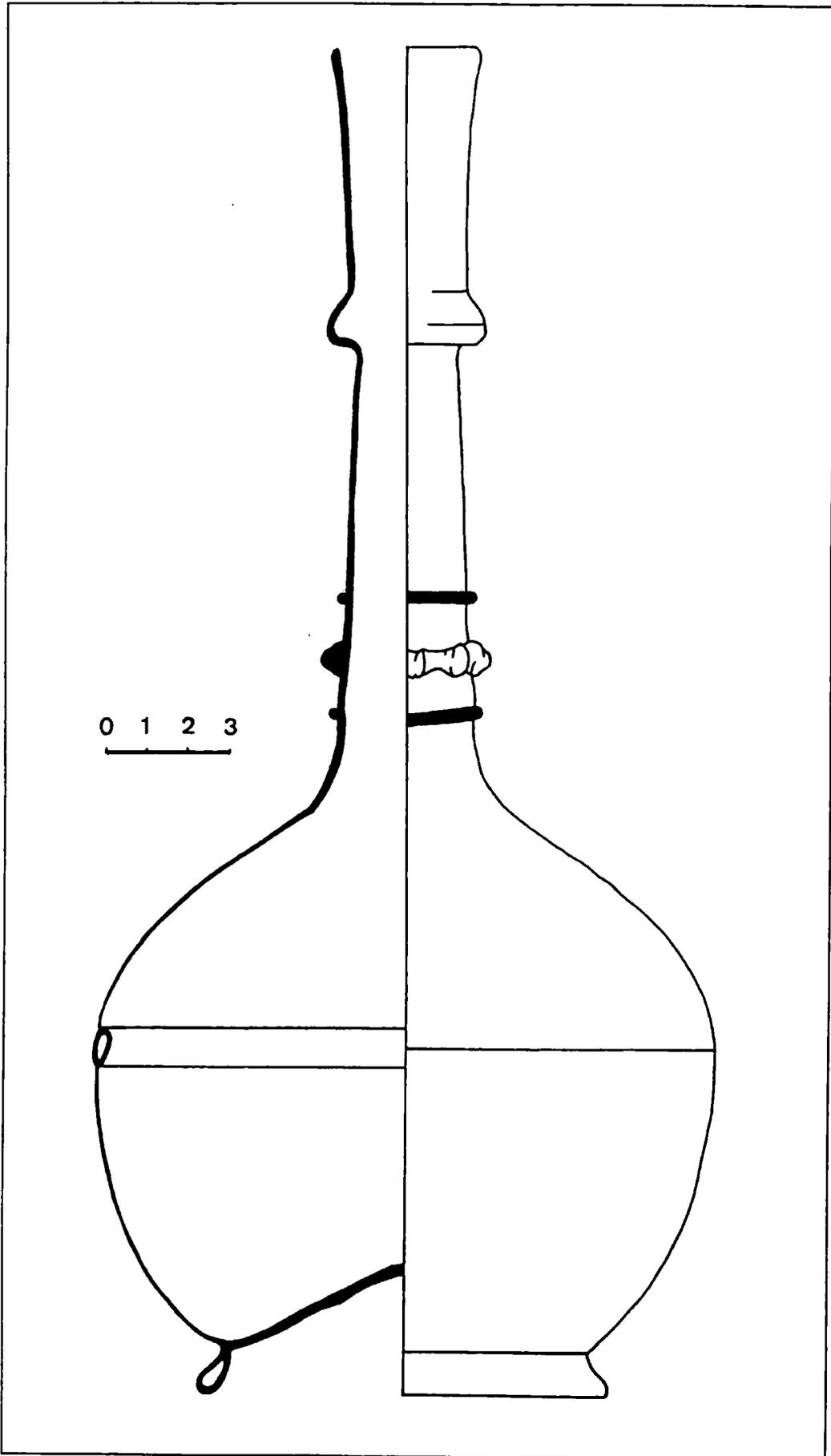
A. Hollow-tubular strengthening rings from bottles [173-5]; Palazzo Vitelleschi, Tarquinia



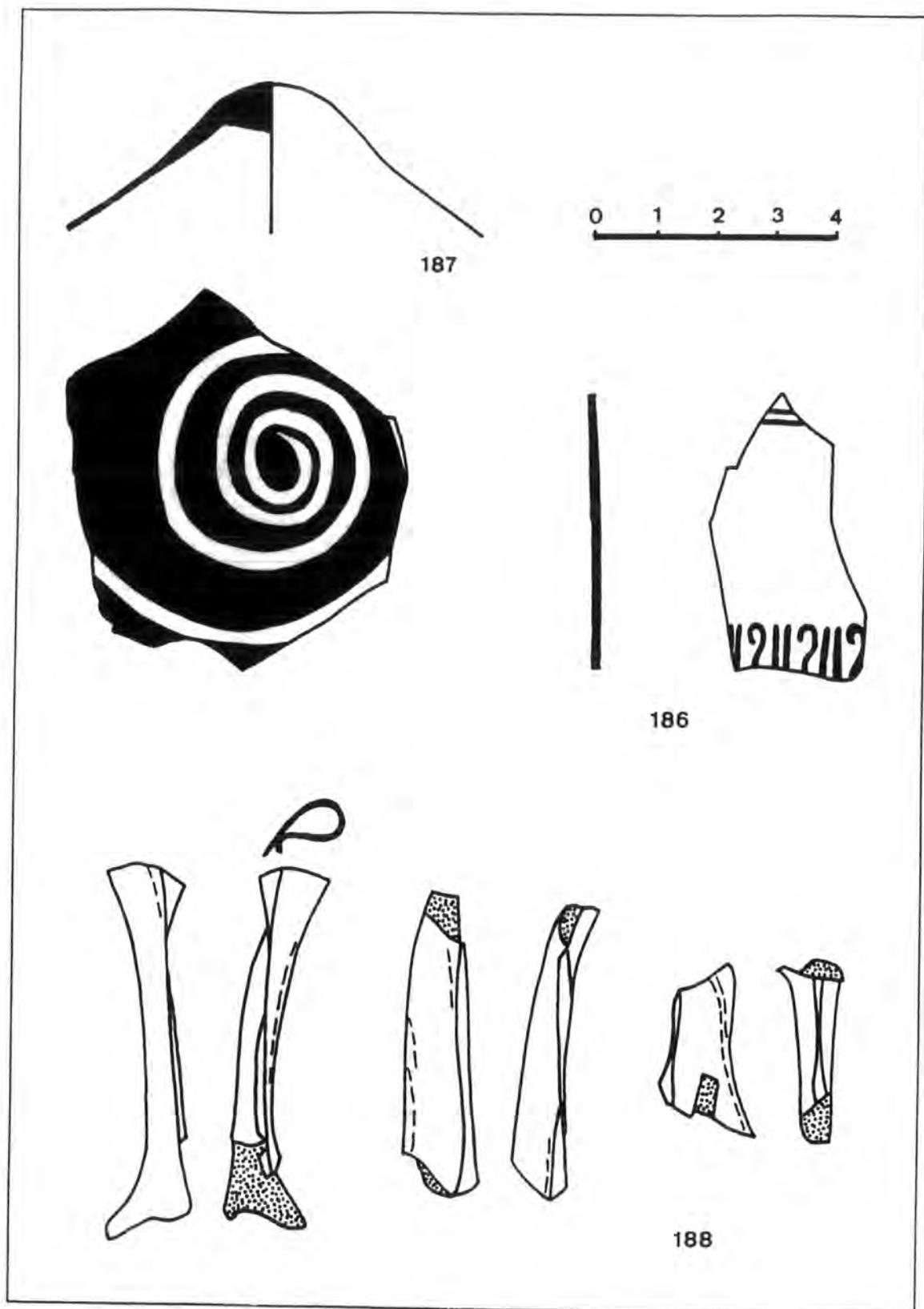
B. Six hollow-tubular bottle bases [176-81]; Palazzo Vitelleschi, Tarquinia



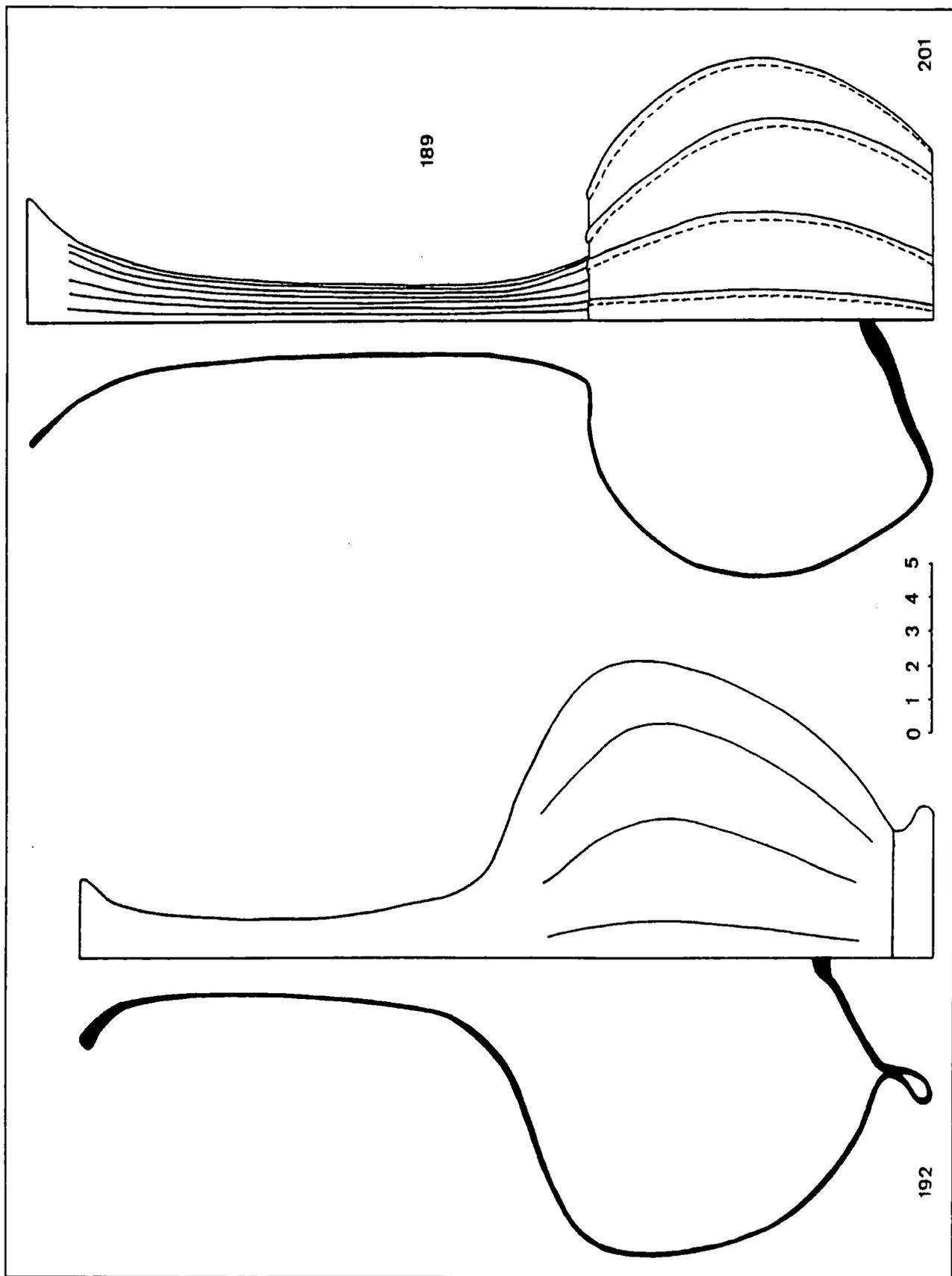
Profiles of hollow-tubular base-rings from bottles; Palazzo Vitelleschi, Tarquinia



Reconstruction of a long necked bottle with a neck bulge and decorative trailing, bulbous body with an internal hollow-tubular strengthening ring and hollow-tubular base-ring using nos 147, 170, 174 and 179



Profile of a blue bottle base with opaque white spiral trailing [187] and a bottle neck with a pseudo Kufic inscription in gilt [186] from the Palazzo Vitelleschi, Tarquinia, and fragments from the neck of a *Kutroif* [188]; Farfa Abbey



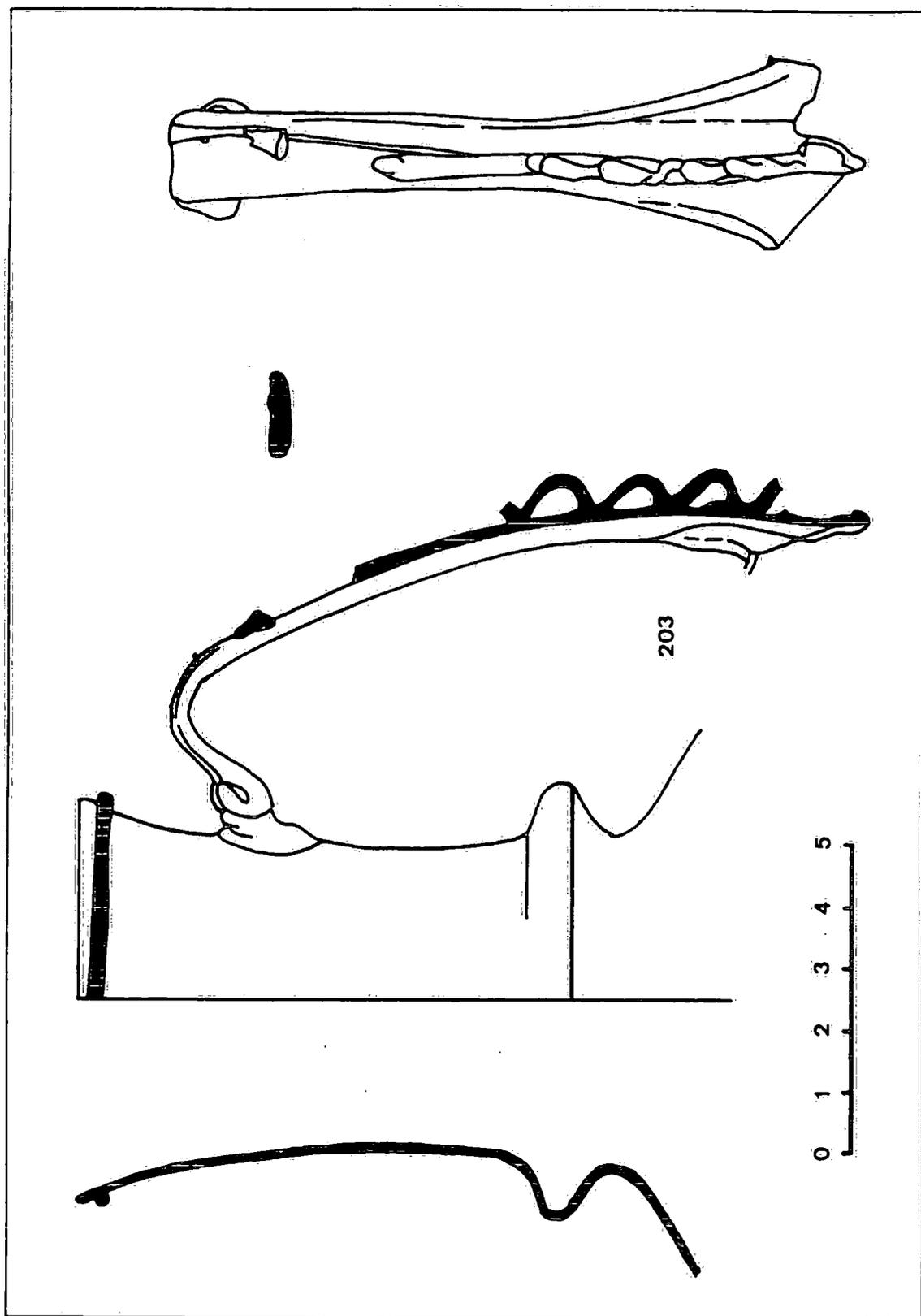
Two reconstructions of mould-blown bottles with vertical ribbing from the Palazzo Vitelleschi, Tarquinia



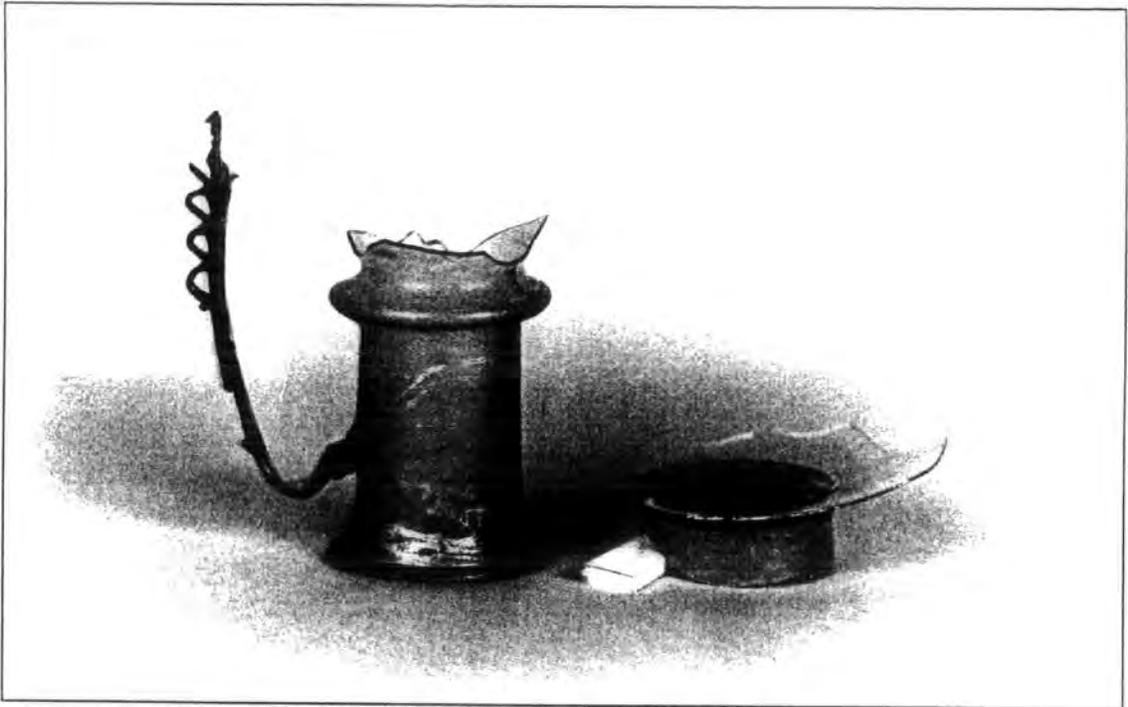
A. Neck, upper body and base from a mould-blown ribbed bottle [189 and 201]; Palazzo Vitelleschi, Tarquinia



B. Rim, neck, upper body and hollow-tubular base from a mould-blown bottle with vertical ribs on the body [192]; Palazzo Vitelleschi, Tarquinia



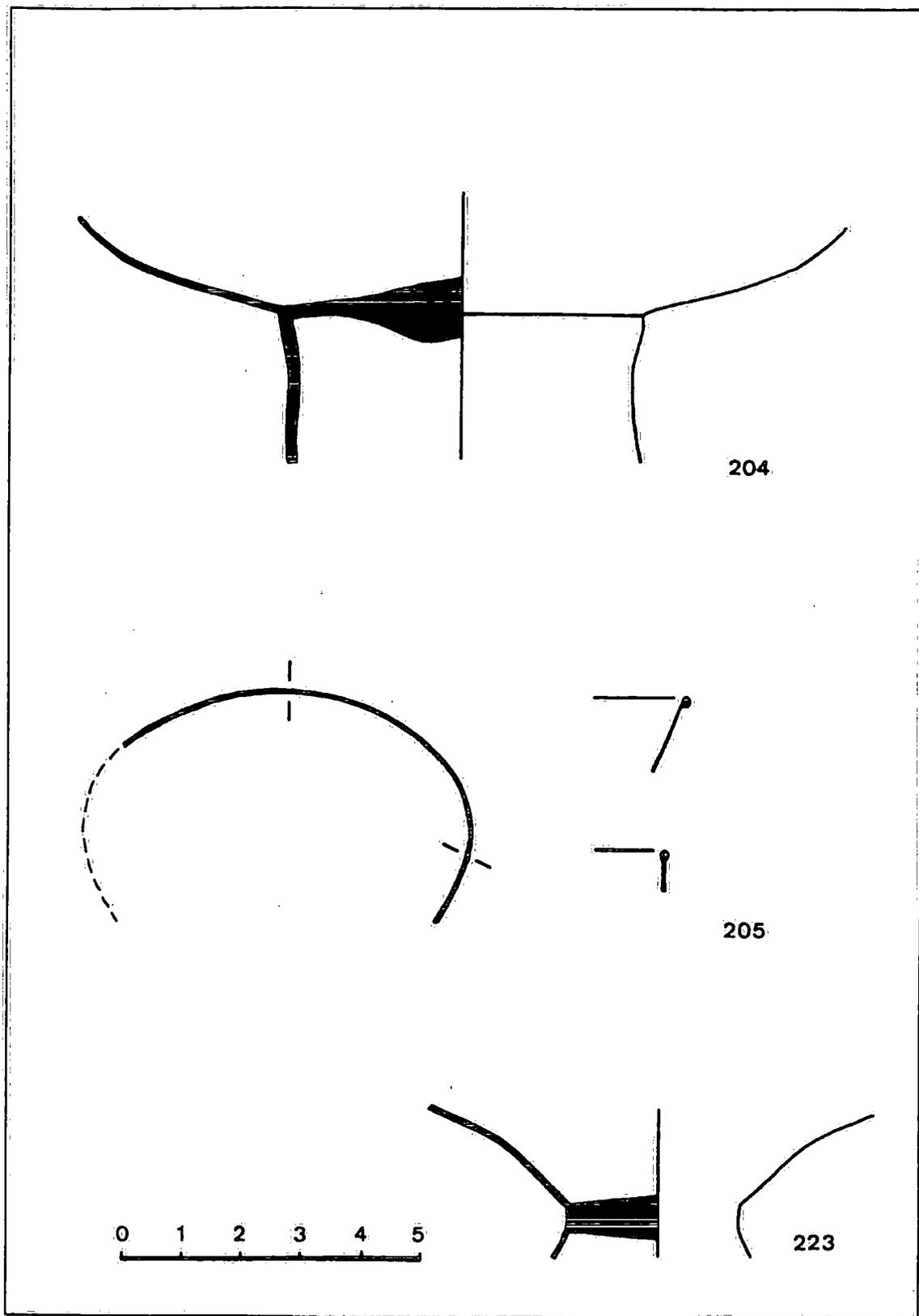
Profile of the neck and handle from a jug decorated with blue trailing from the Palazzo Vitelleschi, Tarquinia



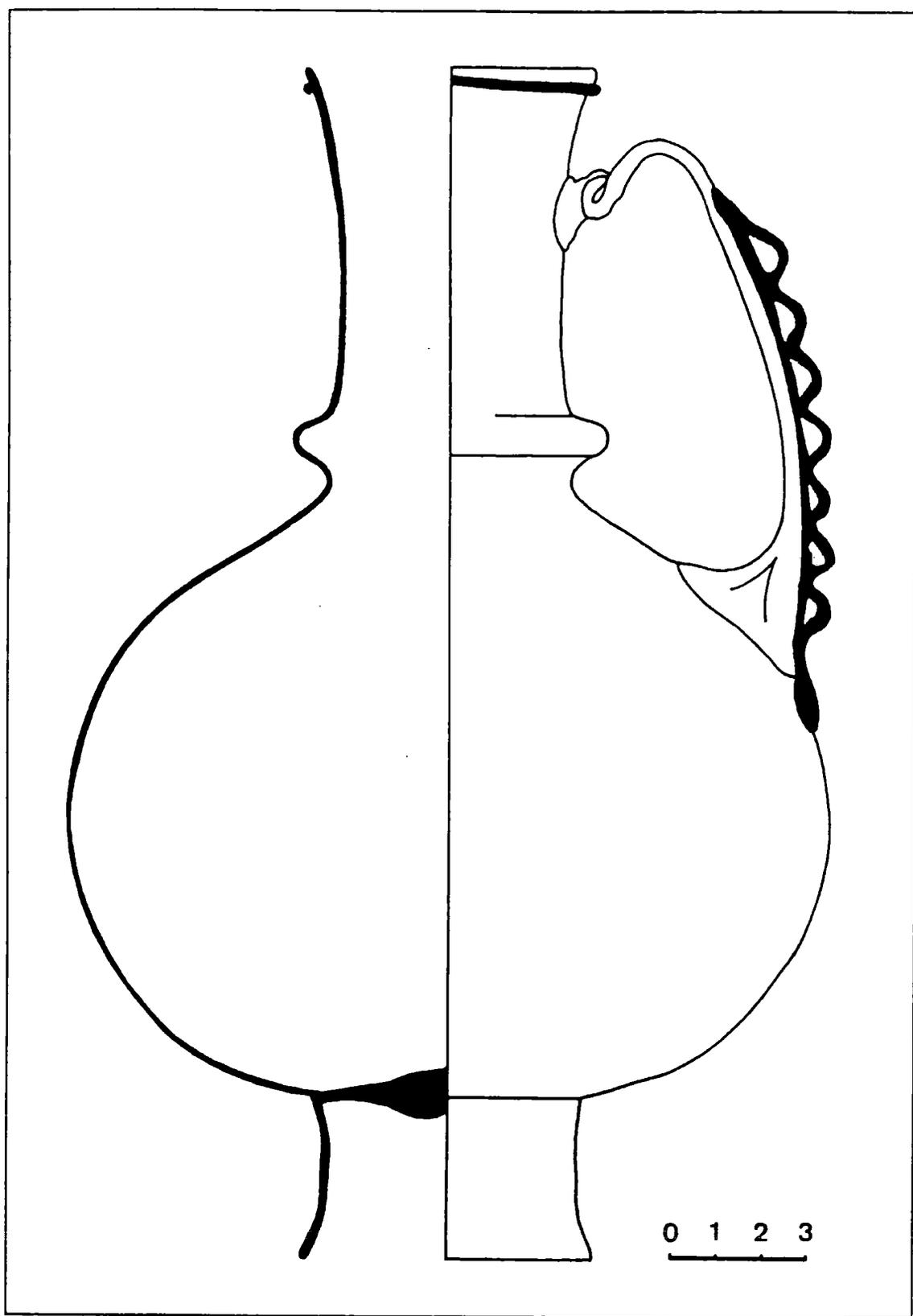
A. Neck and handle from a jug with blue trailing [203] and a pedestal base [204]; Palazzo Vitelleschi, Tarquinia



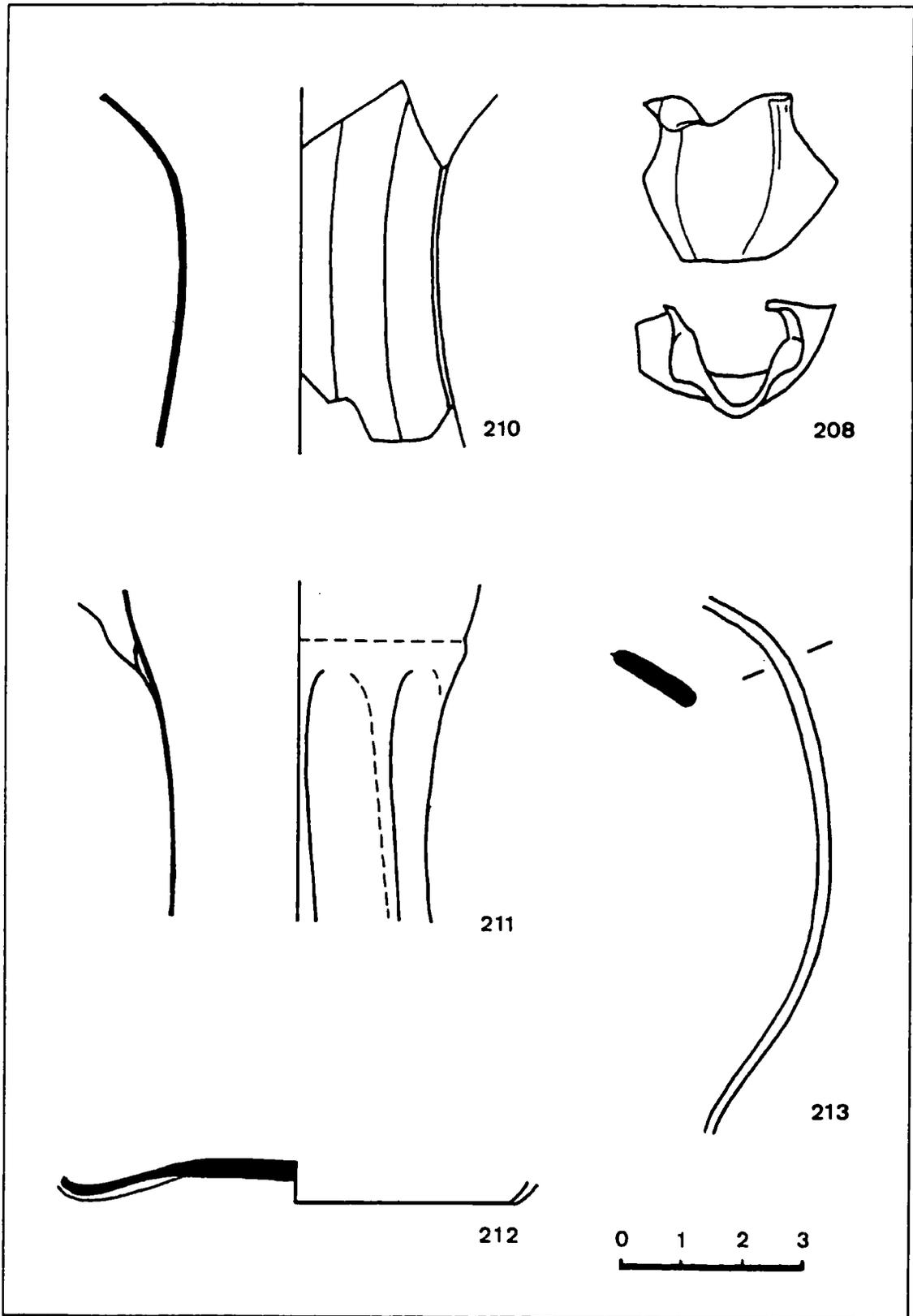
B. Neck and handle from a jug with blue trailing [203] and a matching bottle neck [147]; Palazzo Vitelleschi, Tarquinia



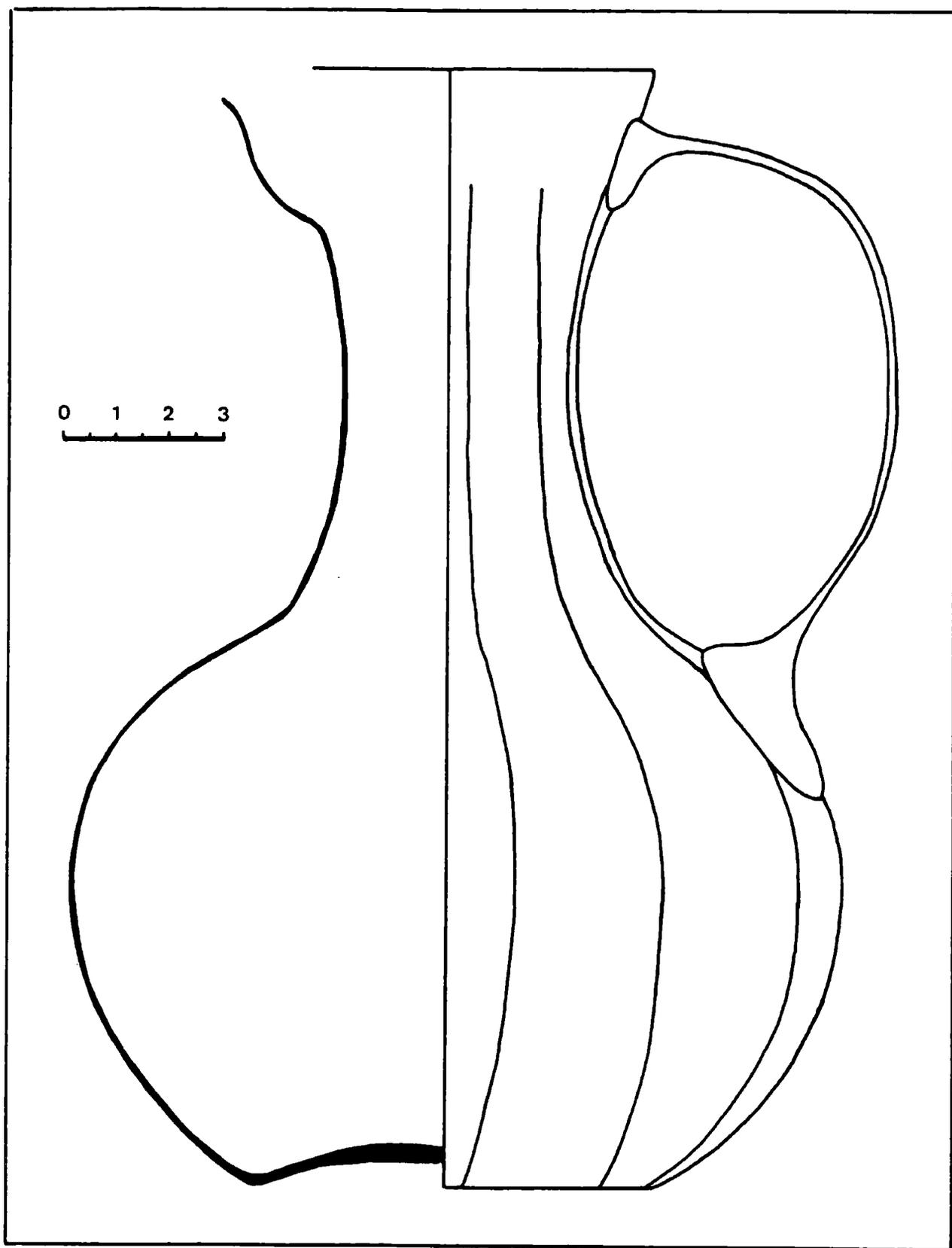
Profiles of a pedestal base [204] and a trefoil mouth [205] from the Palazzo Vitelleschi, Tarquinia, and a pedestal base [223] from Farfa Abbey



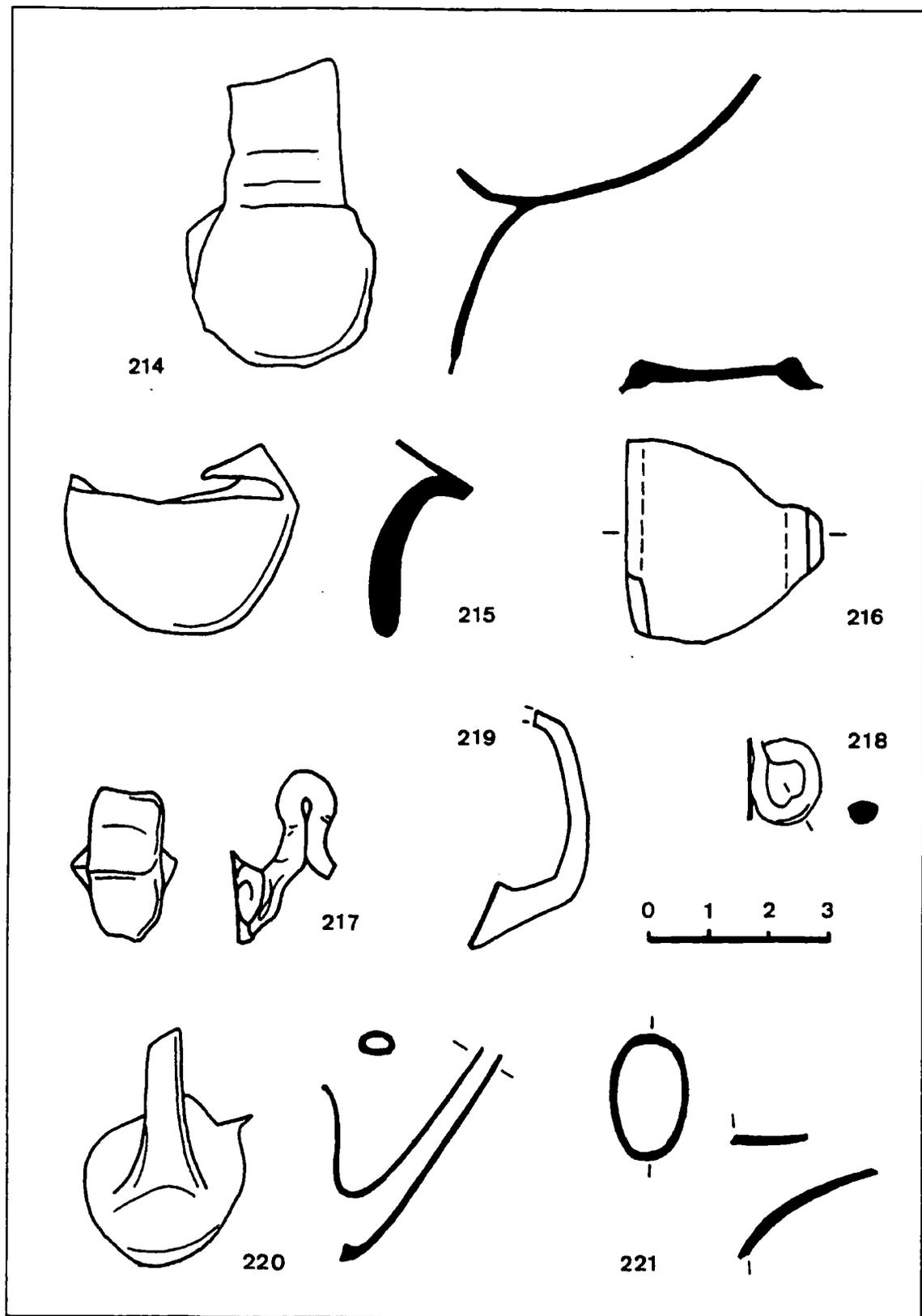
Reconstruction of a jug decorated with blue trailing using nos 203 and 204 from the Palazzo Vitelleschi, Tarquinia



Profiles of a trefoil mouth [208], two necks [210-11], base [213] and handle [214] from mould-blown ribbed jugs from the Palazzo Vitelleschi, Tarquinia

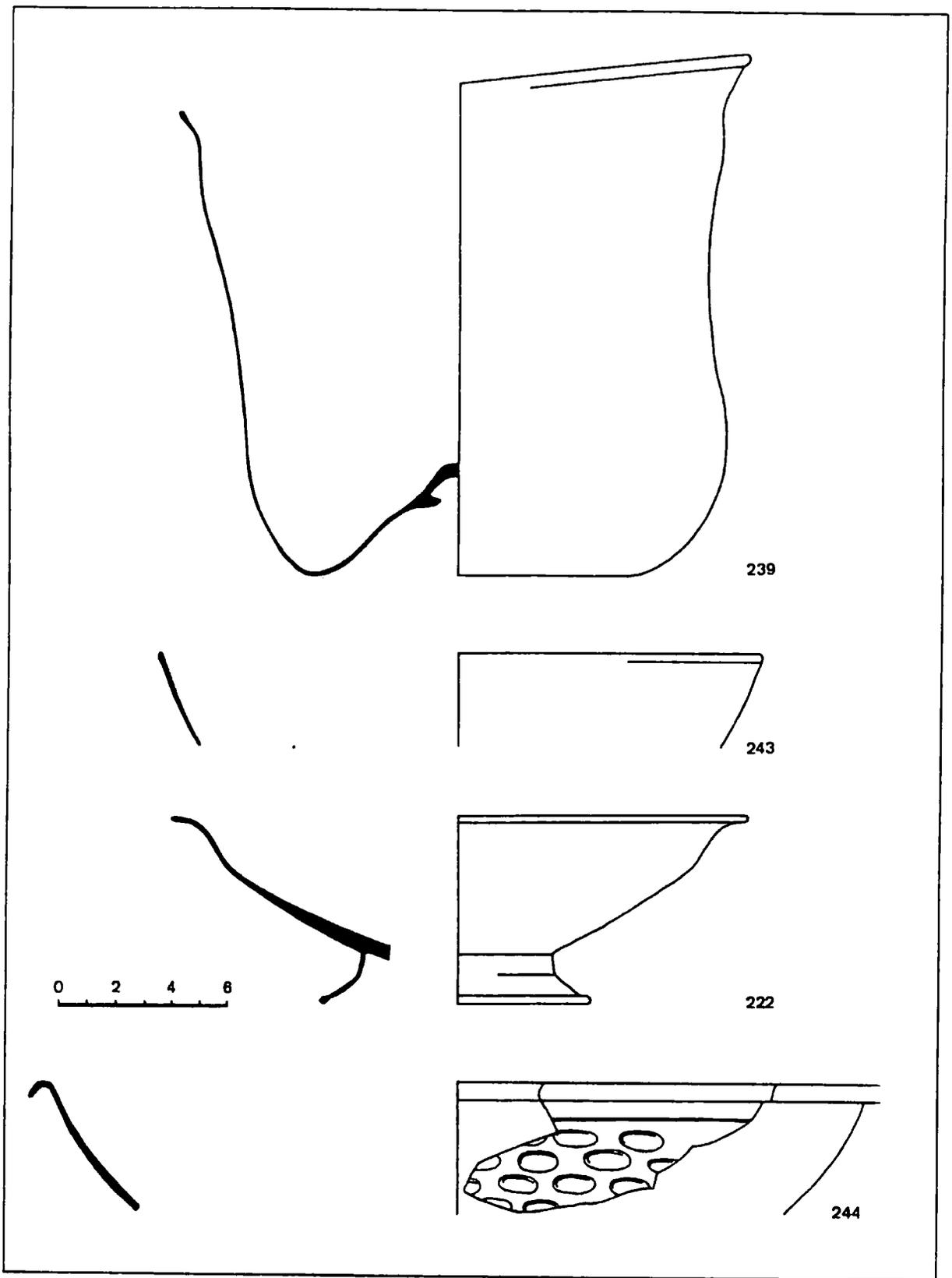


Reconstruction of a mould-blown jug with vertical ribbing from the Palazzo Vitelleschi, Tarquinia

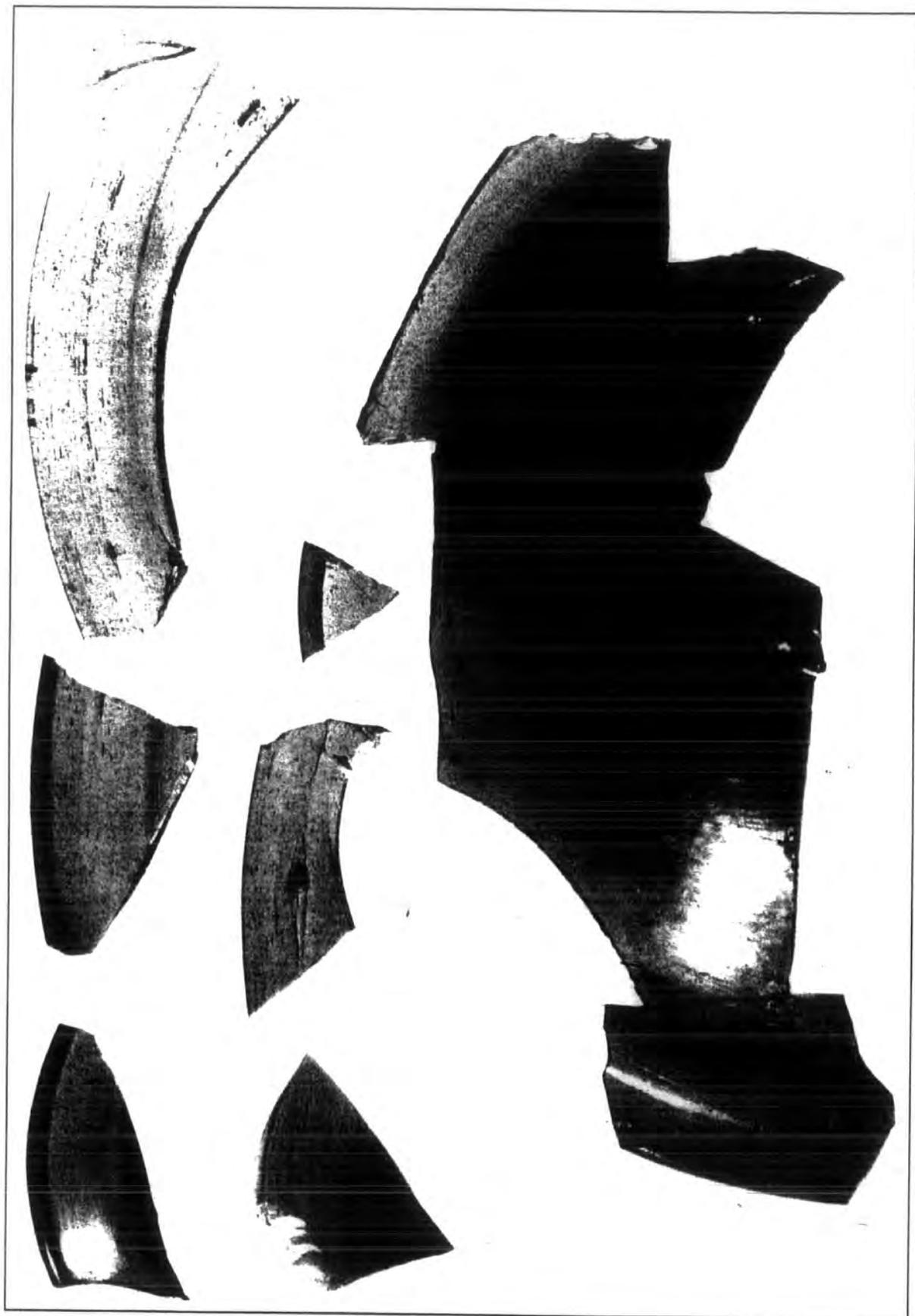


Profiles of a variety of handles [214-19] and two spouts [220-1]; Palazzo Vitelleschi, Tarquinia

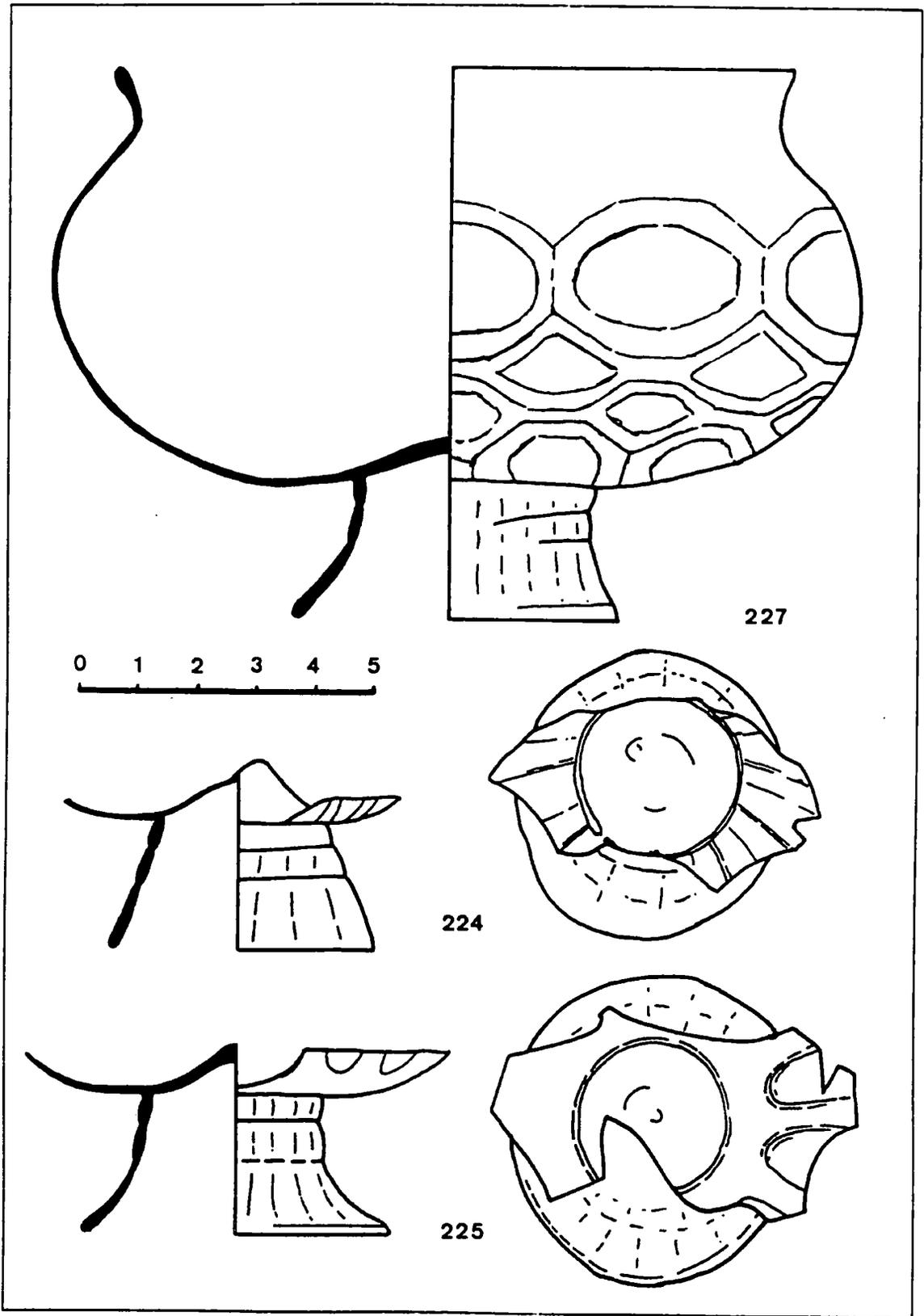
FIGURE 55



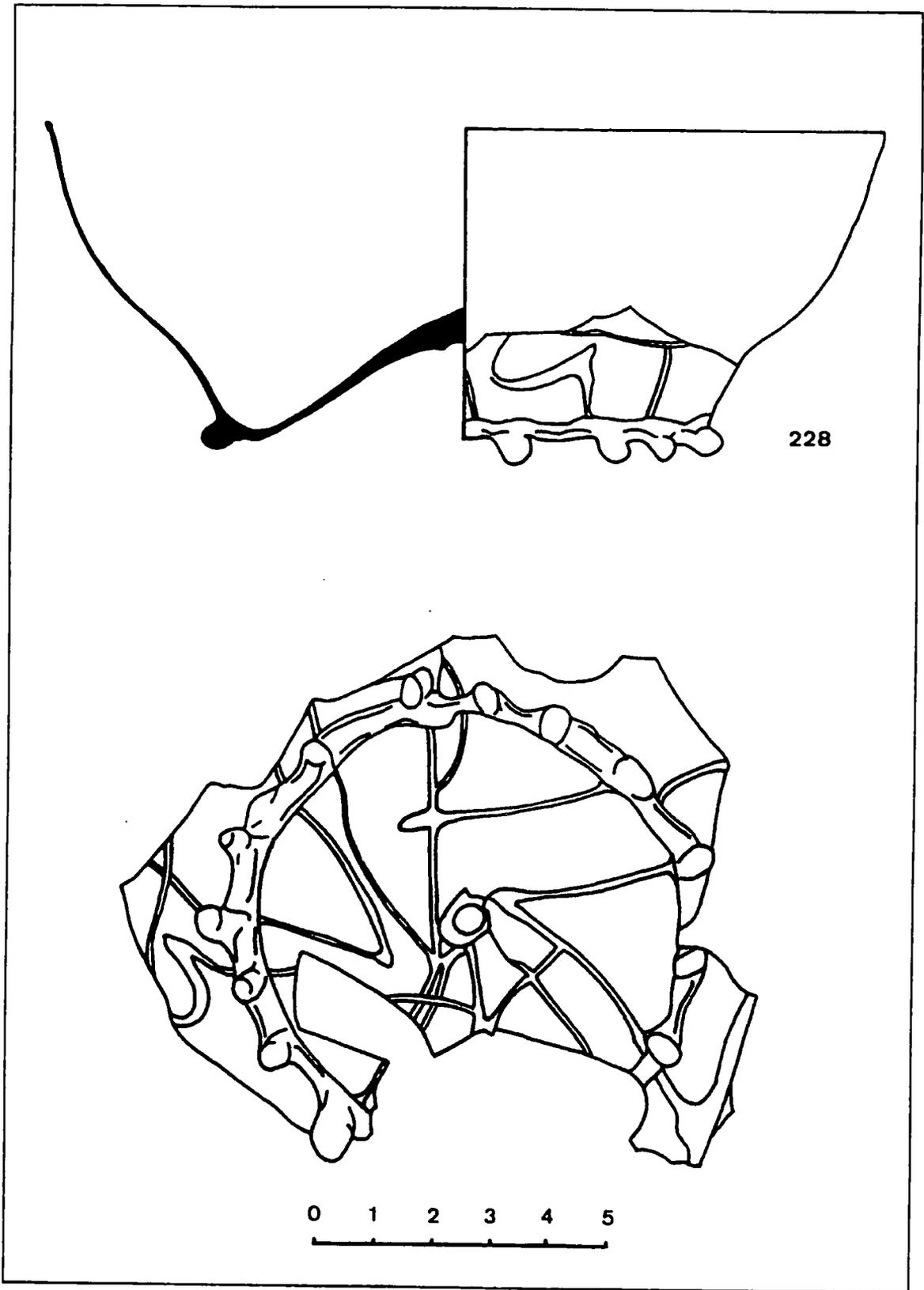
Profiles of a deep container and three bowls from the Museo Sacro [239]; Farfa Abbey [222 and 244] and the Palazzo Vitelleschi, Tarquinia [243]



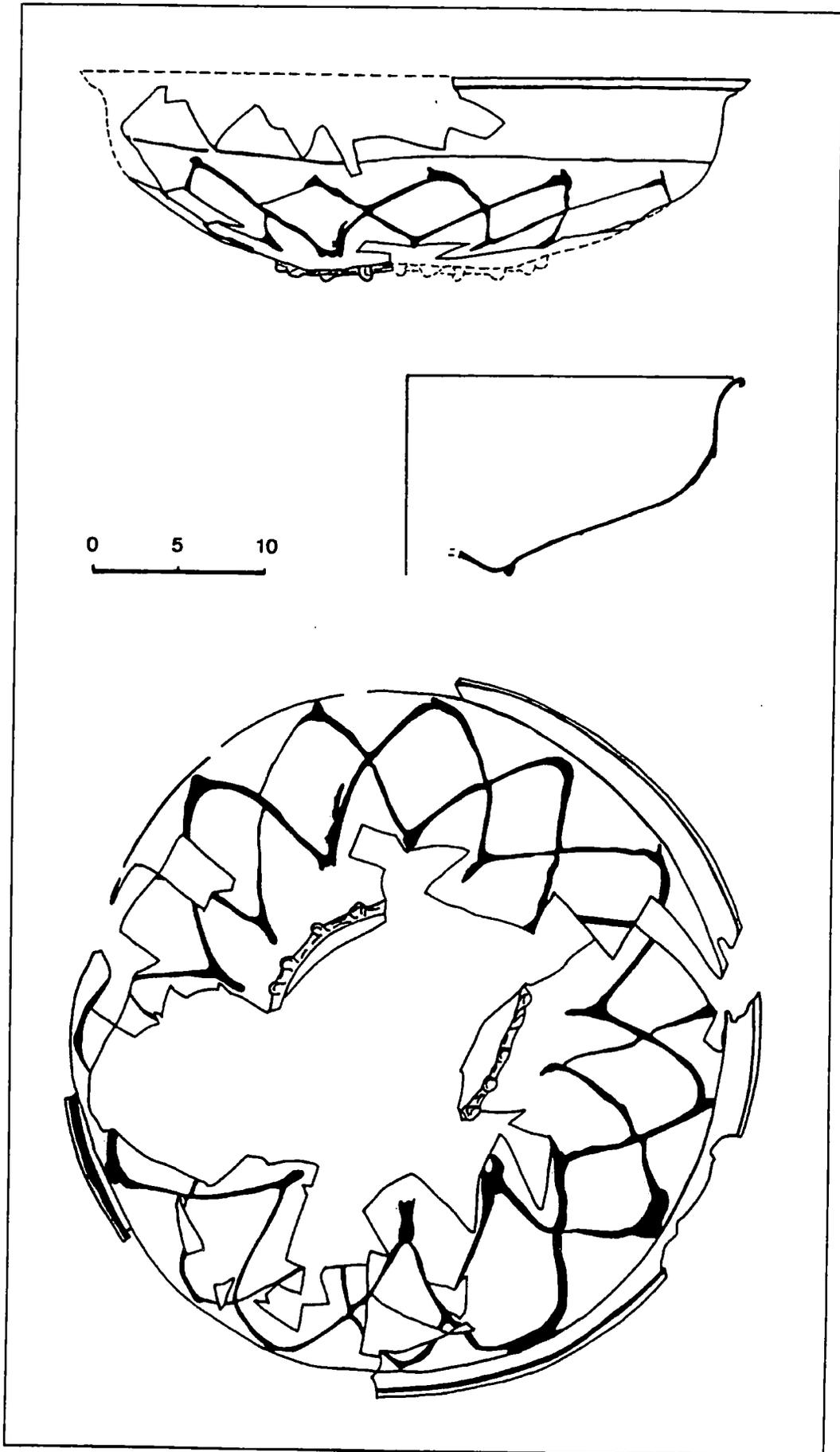
Fragments of an 'emerald'-green footed bowl [222] from Farfa Abbey. Rim diam. 20 cm



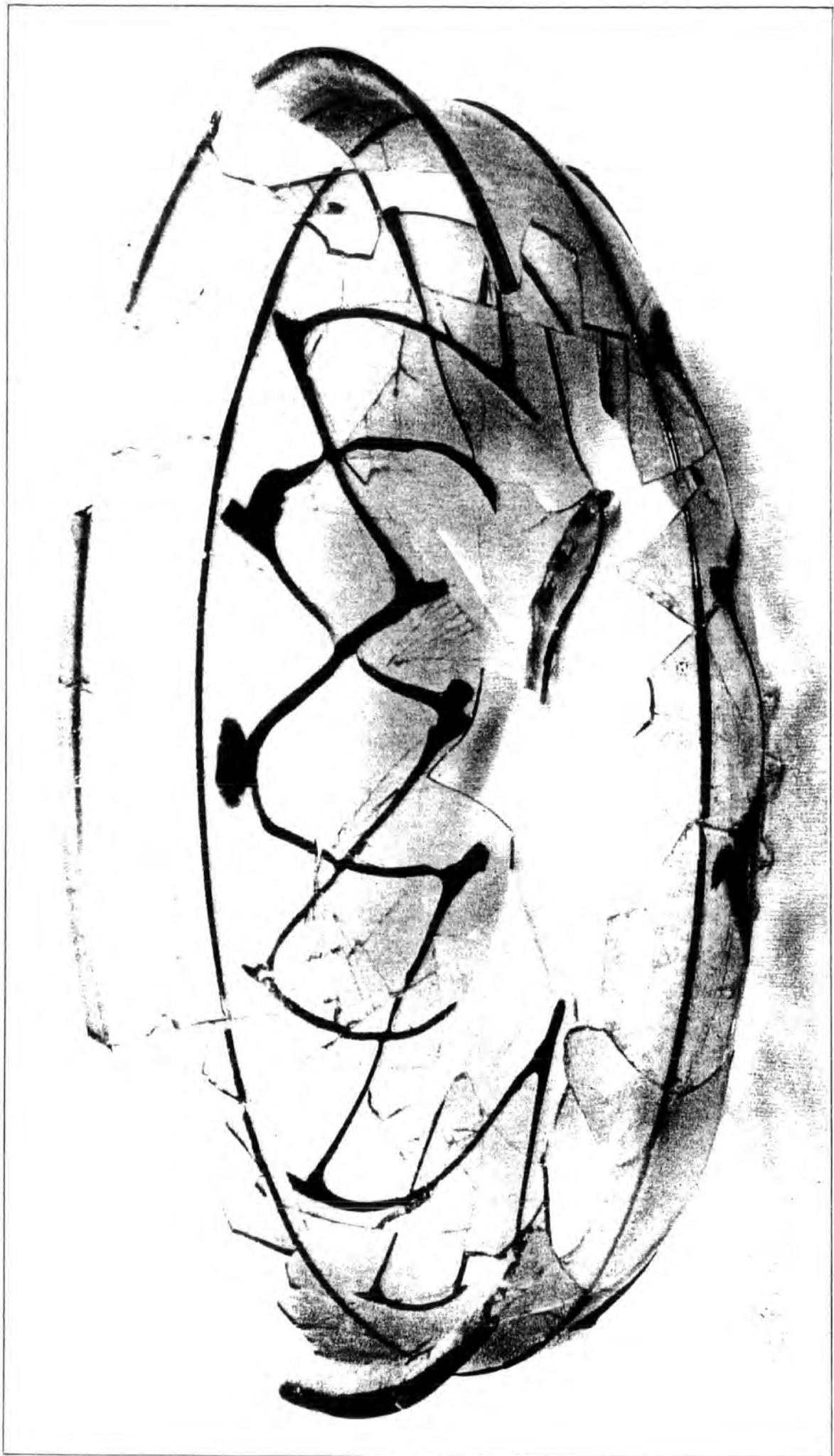
Profiles of mould-blown bowls on coiled pedestal bases from San Nicolà dei Cesarini, Rome [227] and Farfa Abbey [224-5]

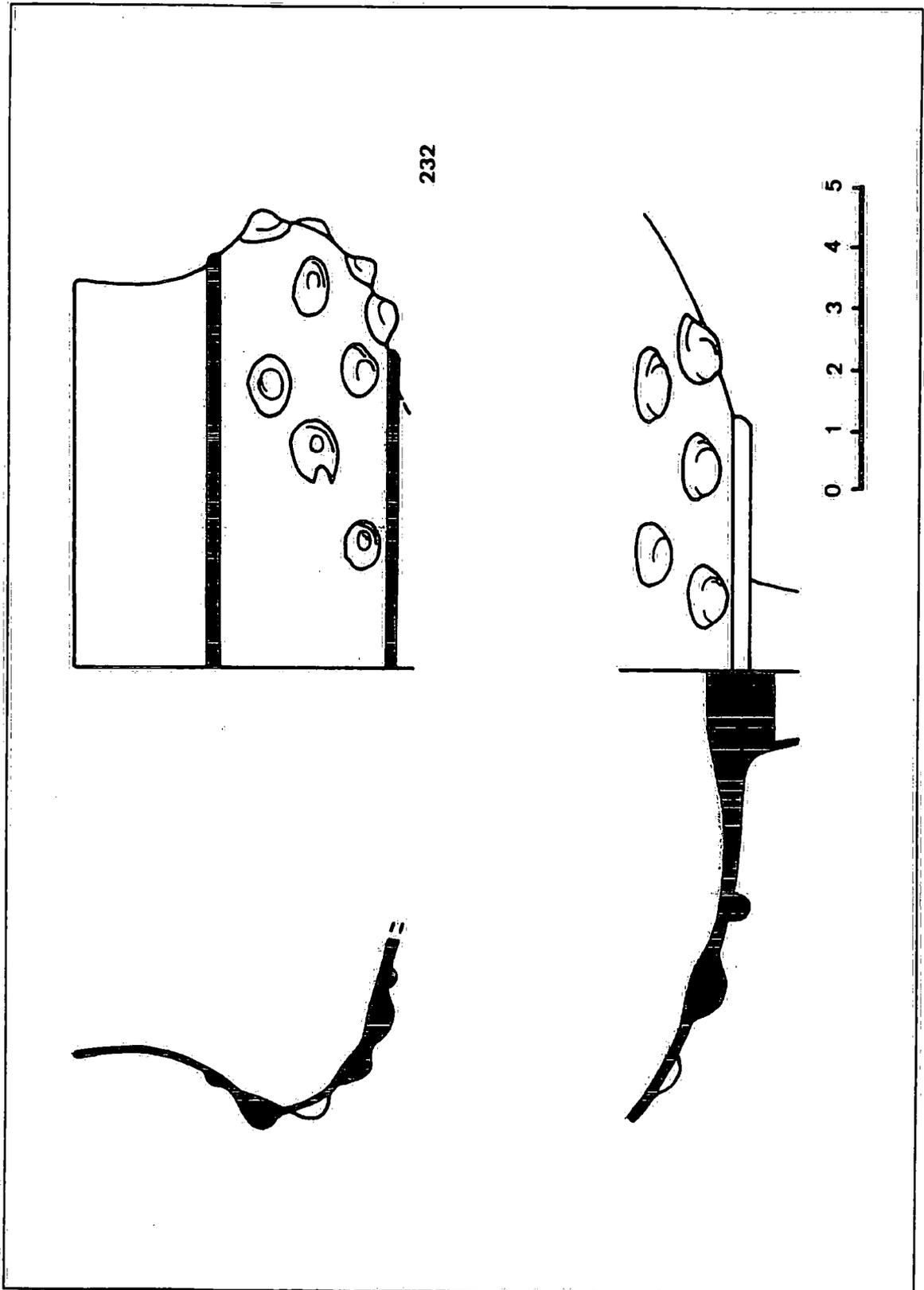


Profile of reconstructible small bowl decorated with abstract trailing and set on an applied 'toed' base-ring, from the Palazzo Vitelleschi, Tarquinia

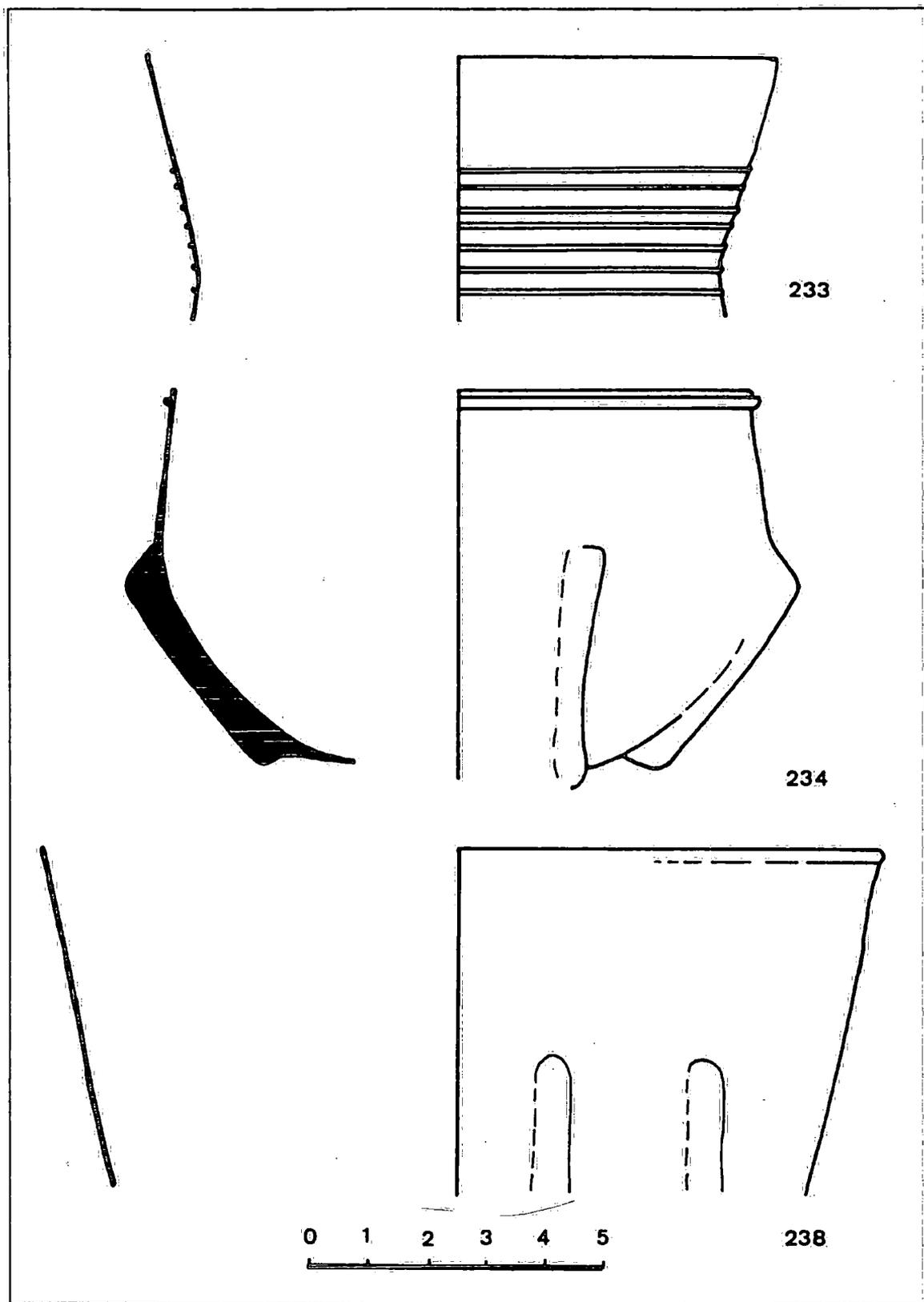


The 'Farfa Bowl' [229] decorated with blue lozenges and set on an applied 'toed' base-ring

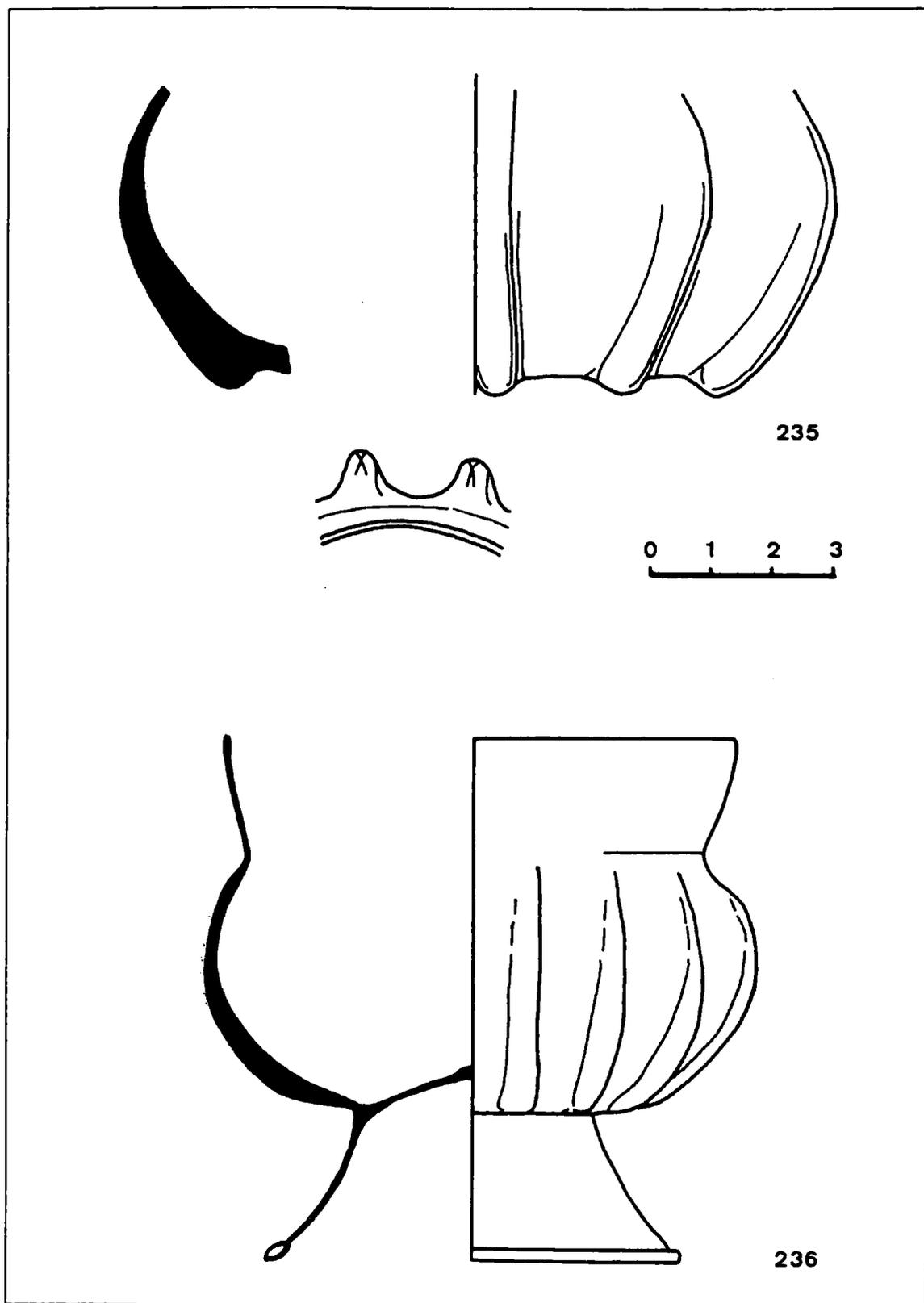




Profile of the upper body of a bowl decorated with prunts and blue trailing [232] from the Palazzo Vitelleschi, Tarquinia, and the lower part of a prunted goblet in the Islamic Museum, Cairo.



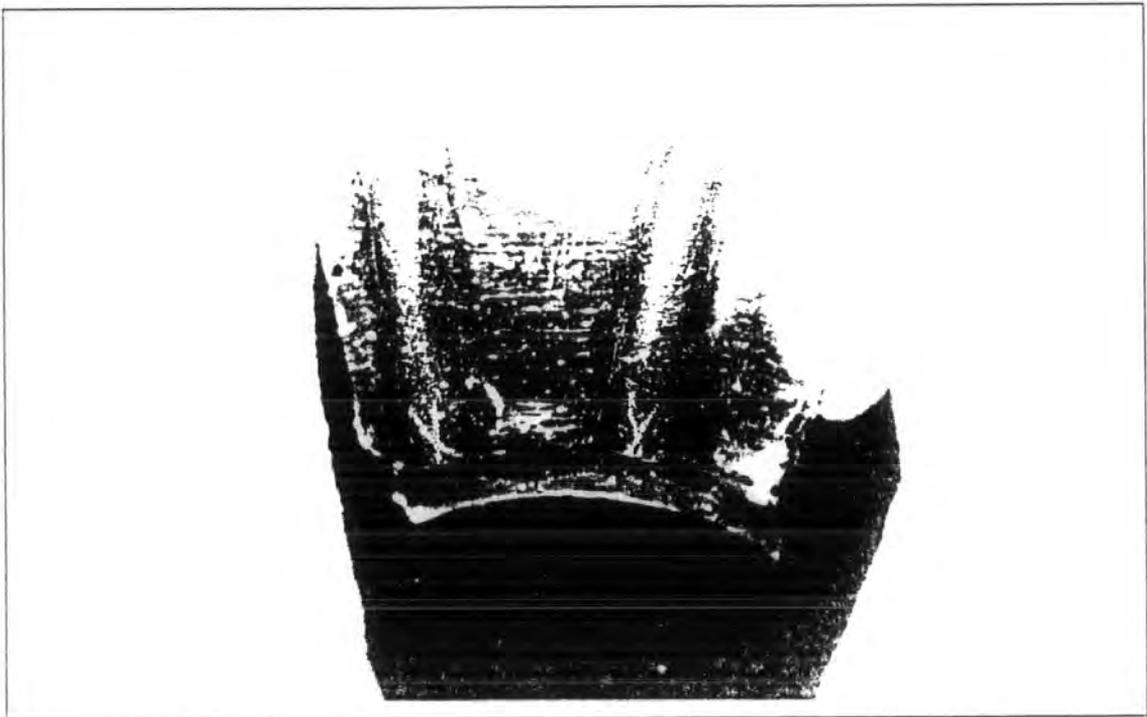
Profiles of bowls decorated with spiral trailing [233] or vertical ribs [234 and 238]; Palazzo Vitelleschi, Tarquinia



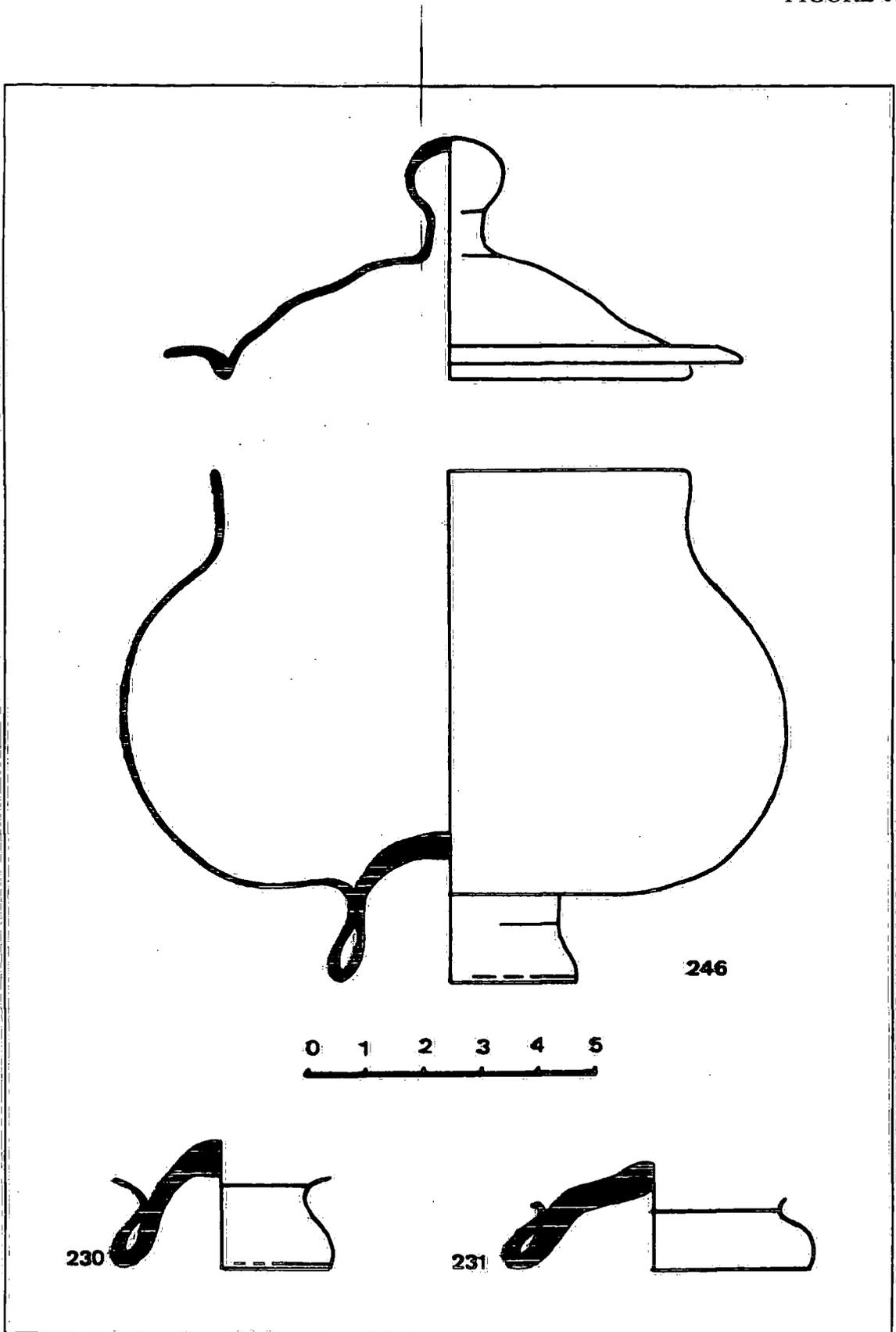
63 / Profiles of the lower body of a heavily ribbed bowl or mortar [235] from Farfa Abbey and a footed ribbed bowl [236] from Santa Maria Maggiore, Tivoli



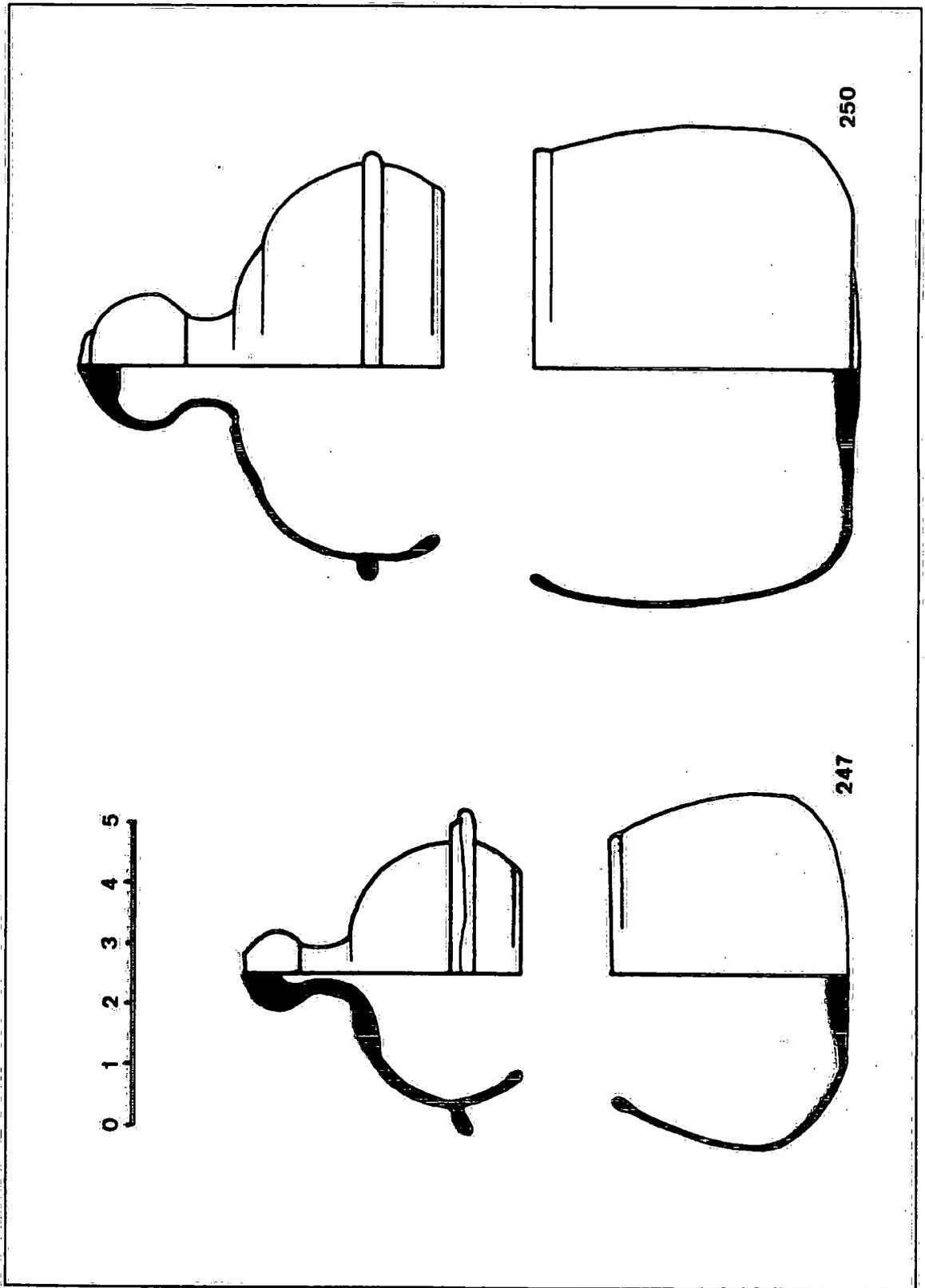
A. Rim fragment from a mould-blown dish with shallow oval depressions [244]; Farfa Abbey. Rim diameter 26 cm



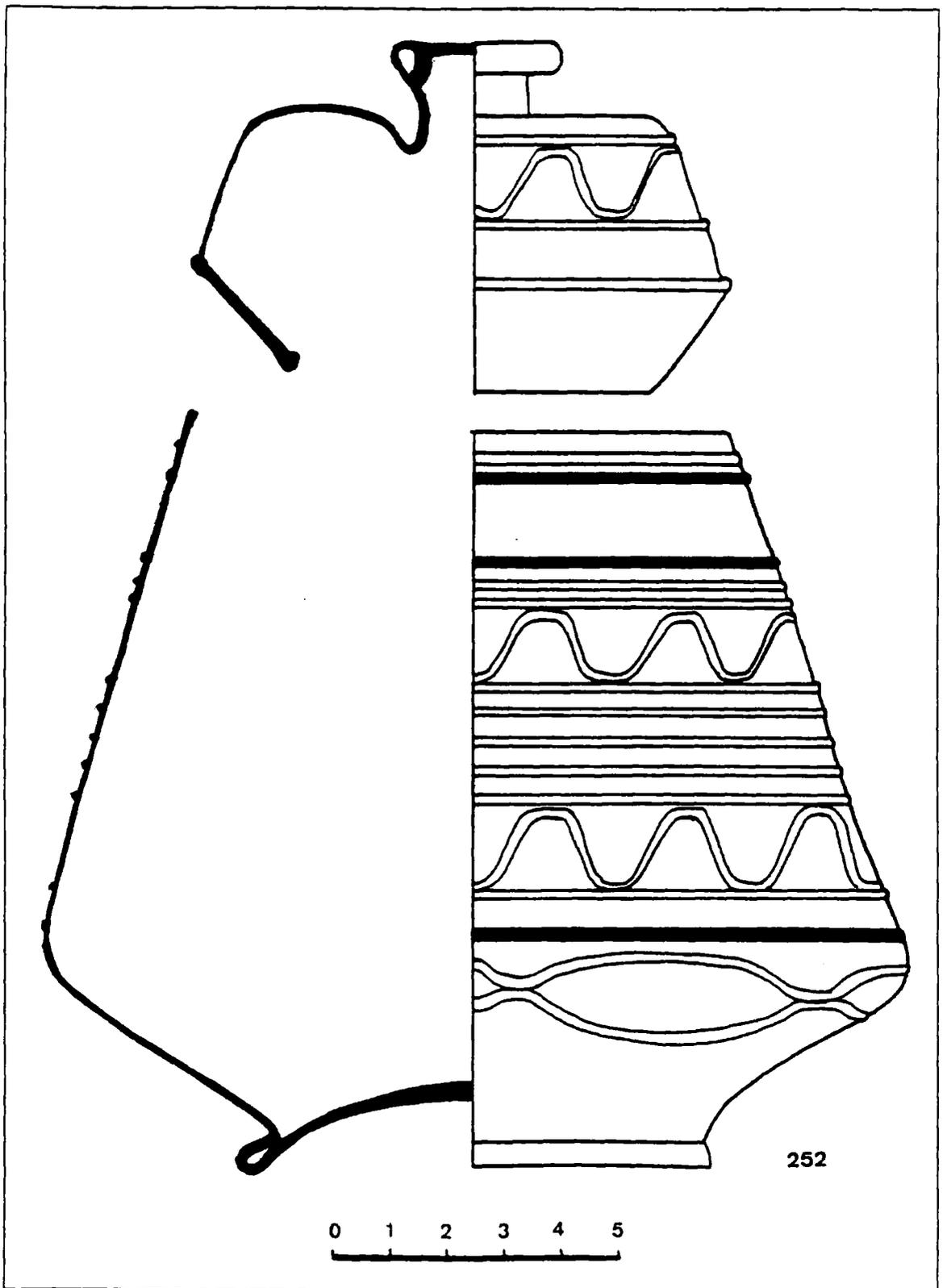
B. Body fragment from a heavily ribbed bowl or mortar with a scratched 'X' at the tip of each rib [235] from Farfa Abbey. Height (surv) 48 mm



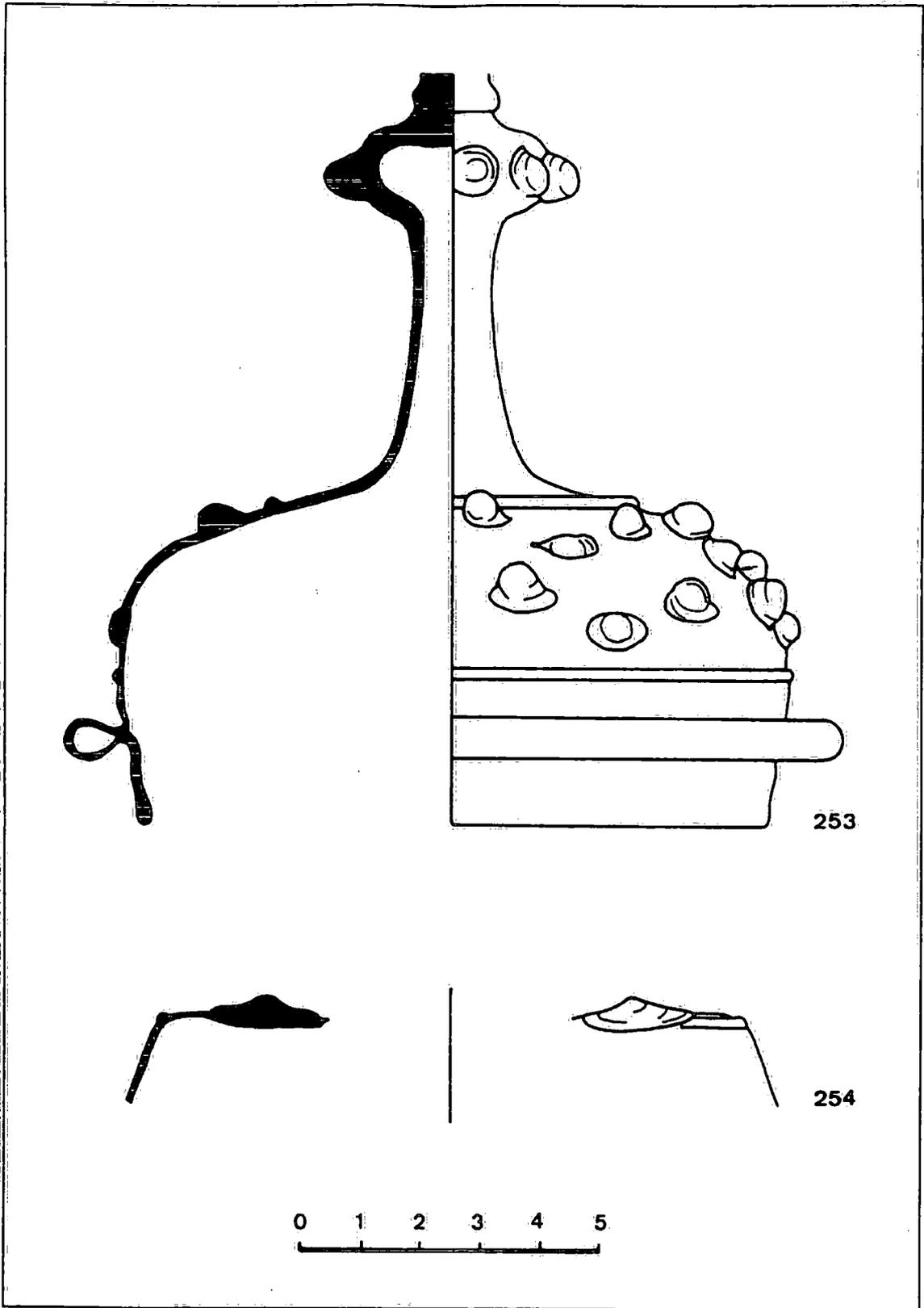
Profile of a plain covered footed bowl [246] from the Treasury of the Sancta Sanctorum, Rome, and two pushed-in bases [230-1] from Farfa Abbey



Profiles of two small covered undecorated jars found concealed in an altar in the Church of San Giorgio in Velabro, Rome



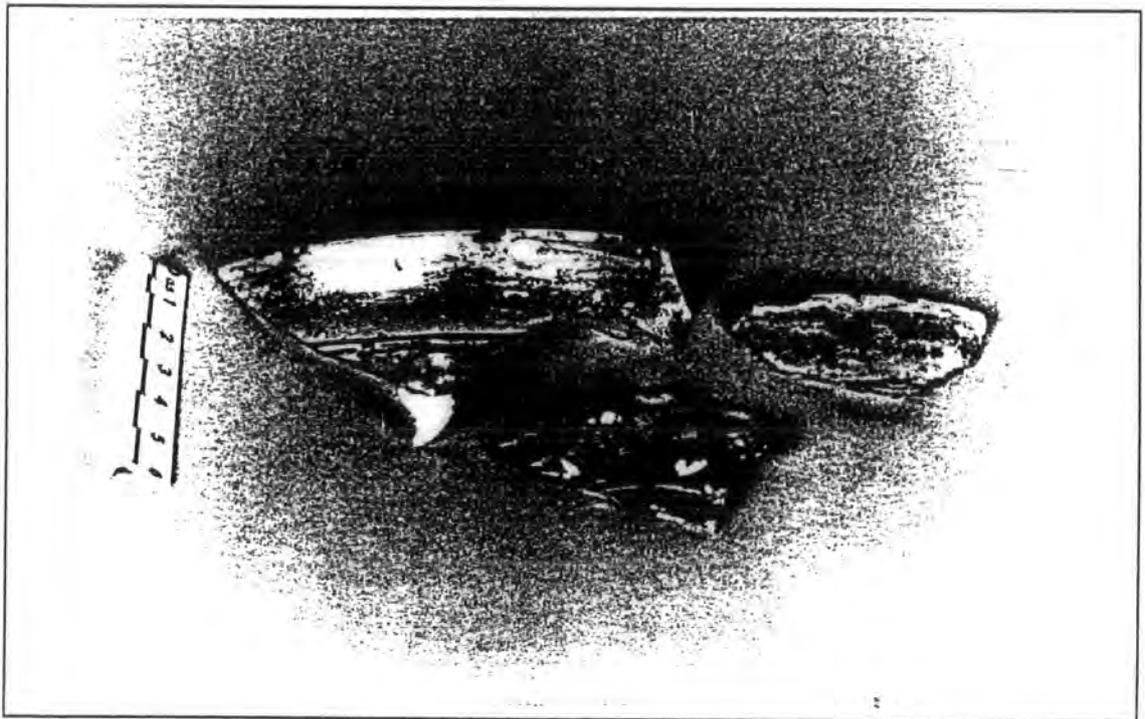
Profile of a covered jar decorated with colourless and purple trailing from Santa Maria Maggiore, Tivoli



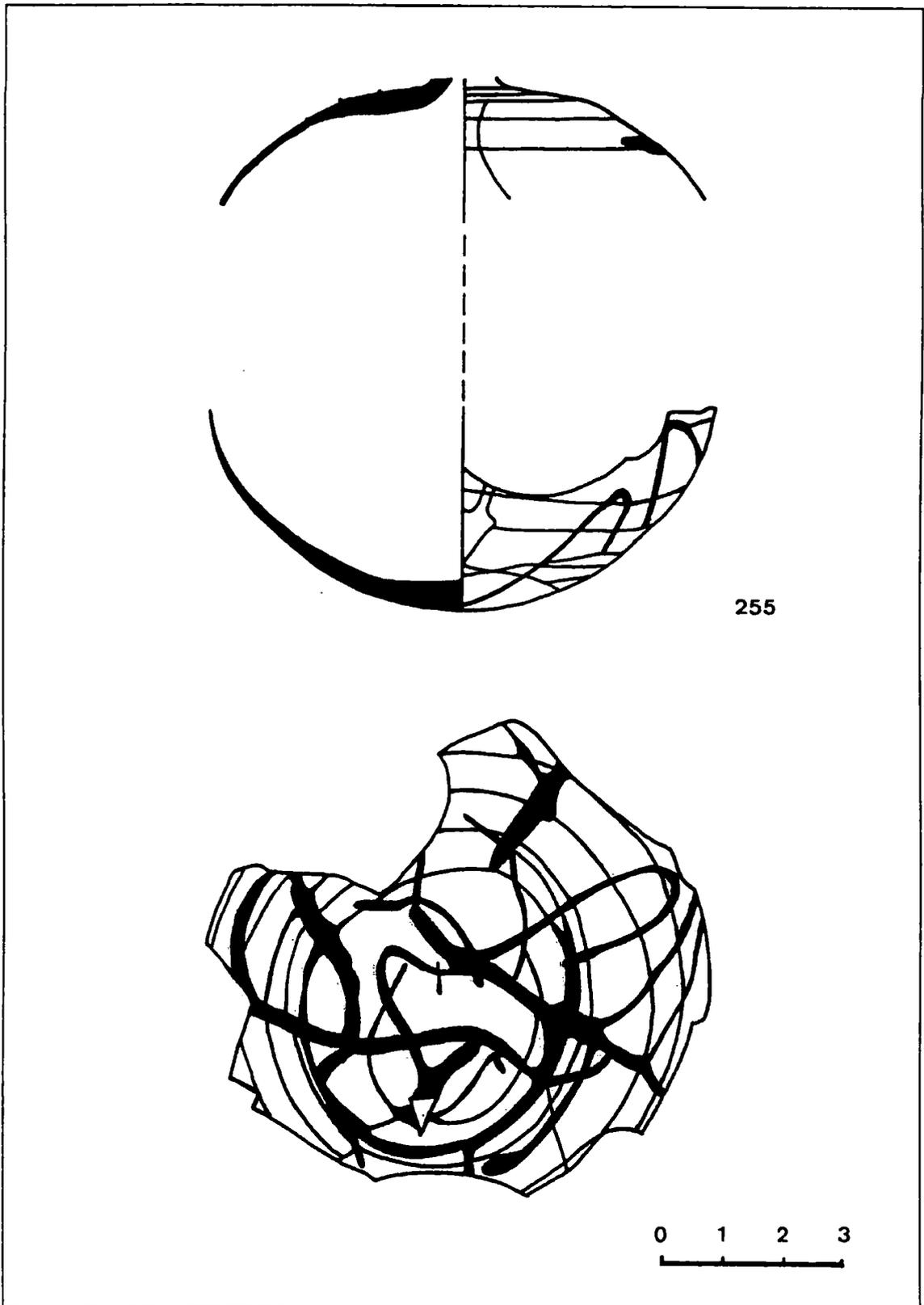
Profiles of two pruned covers from the Palazzo Vitelleschi, Tarquinia



A. Large pruned lid [253] from the Palazzo Vitelleschi, Tarquinia

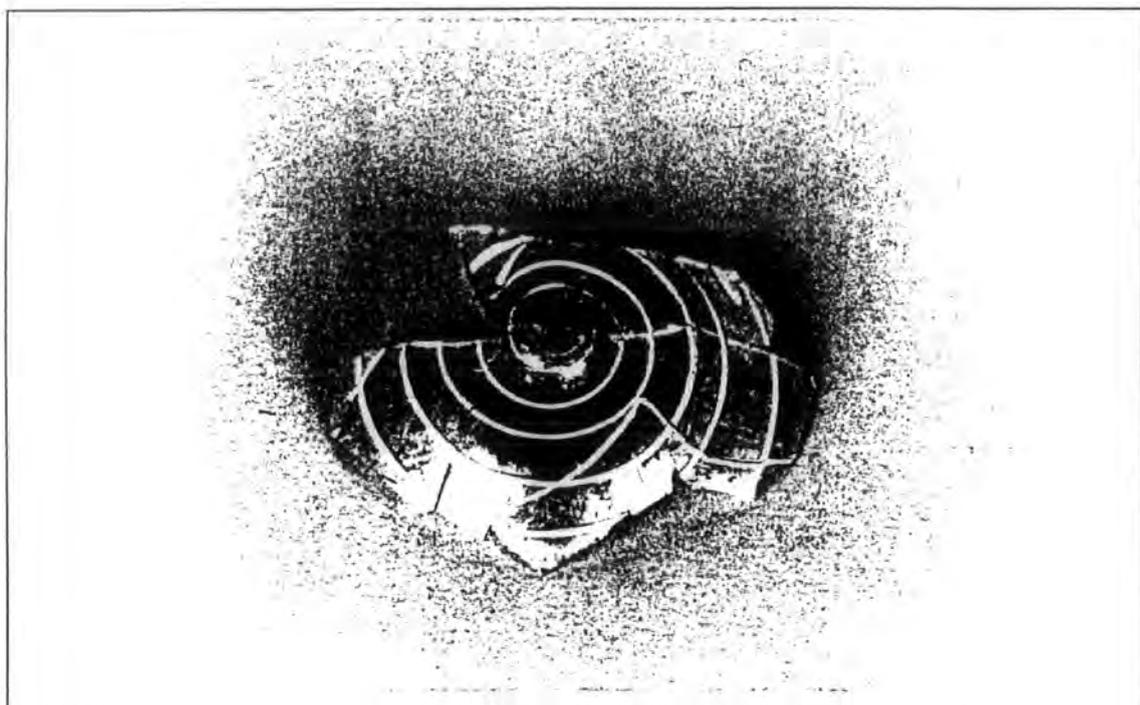


B. Three fragments from a pruned bowl [232] also decorated with blue horizontal trails, from the Palazzo Vitelleschi, Tarquinia

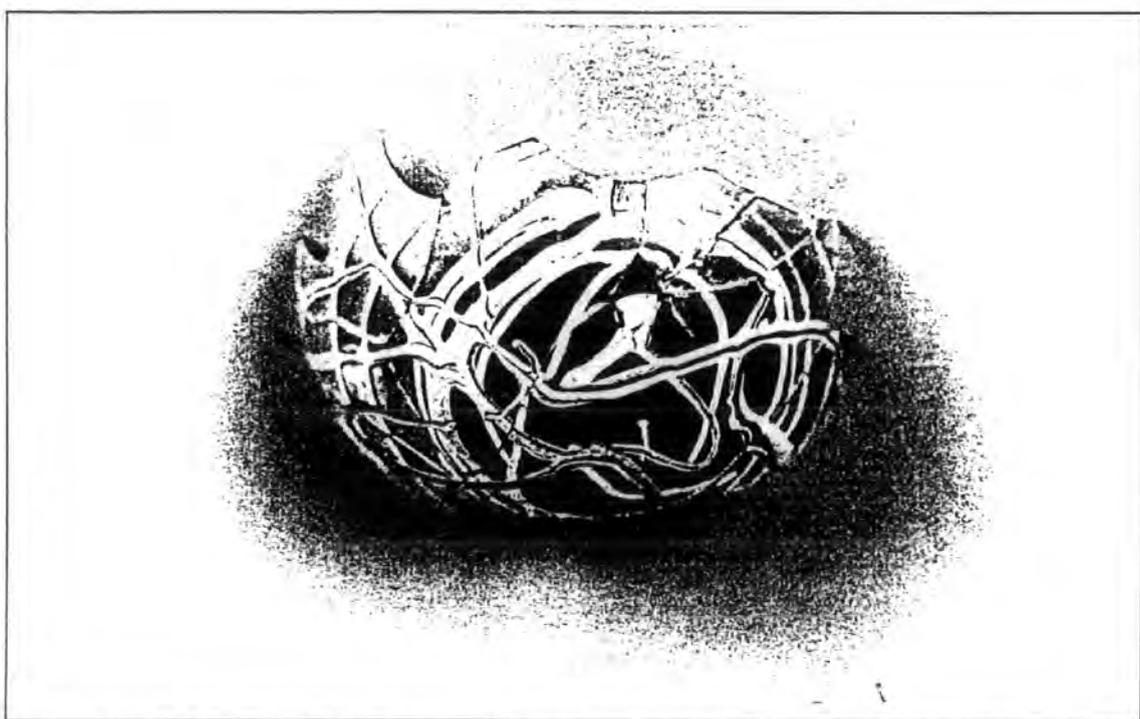


255

Profile of a spherical sprinkler decorated with an opaque turquoise spiral trail overlain by turquoise trails streaked with purple; Palazzo Vitelleschi, Tarquinia

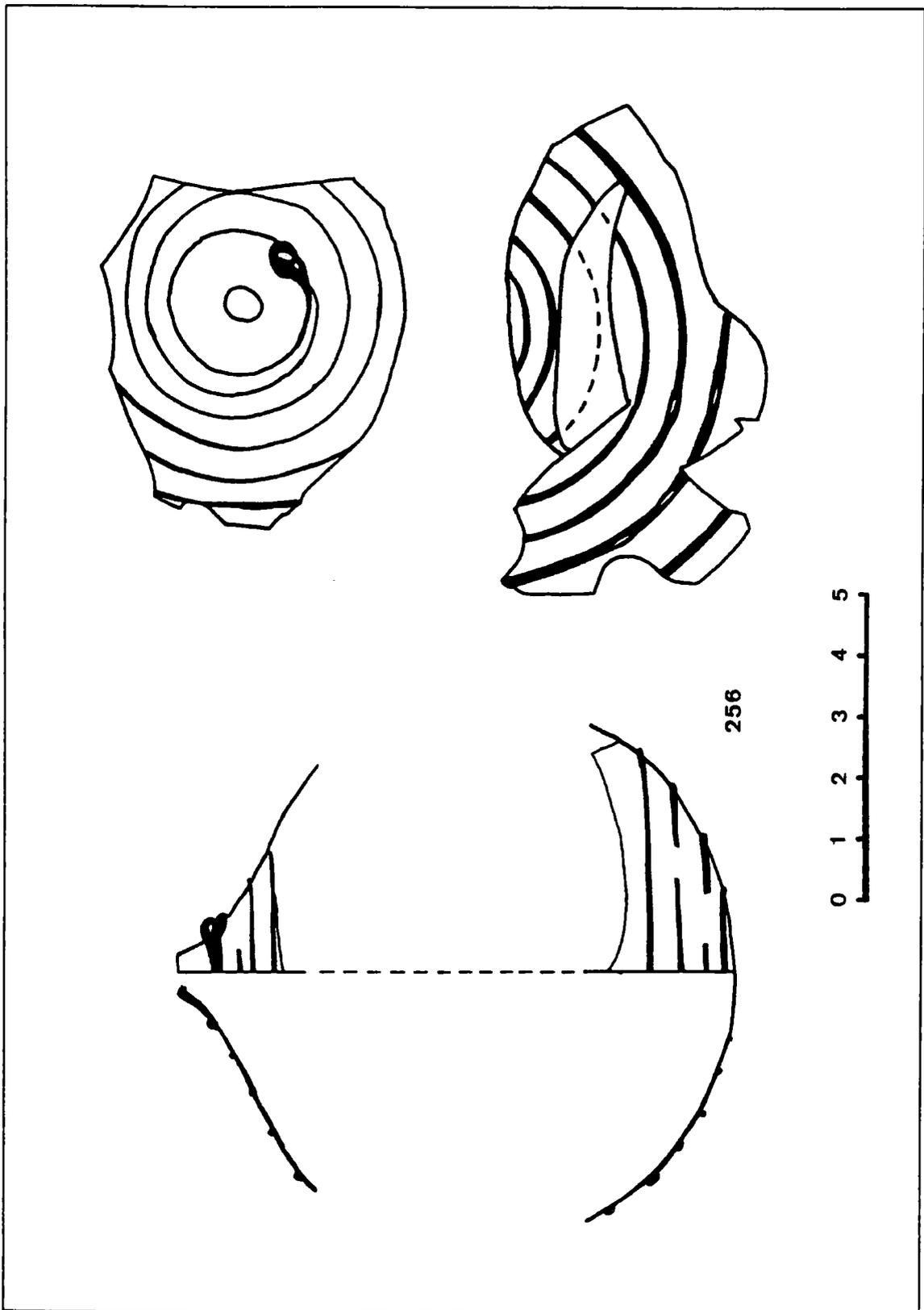


A. Upper part of a sprinkler with a small opening [255]; Palazzo Vitelleschi, Tarquinia

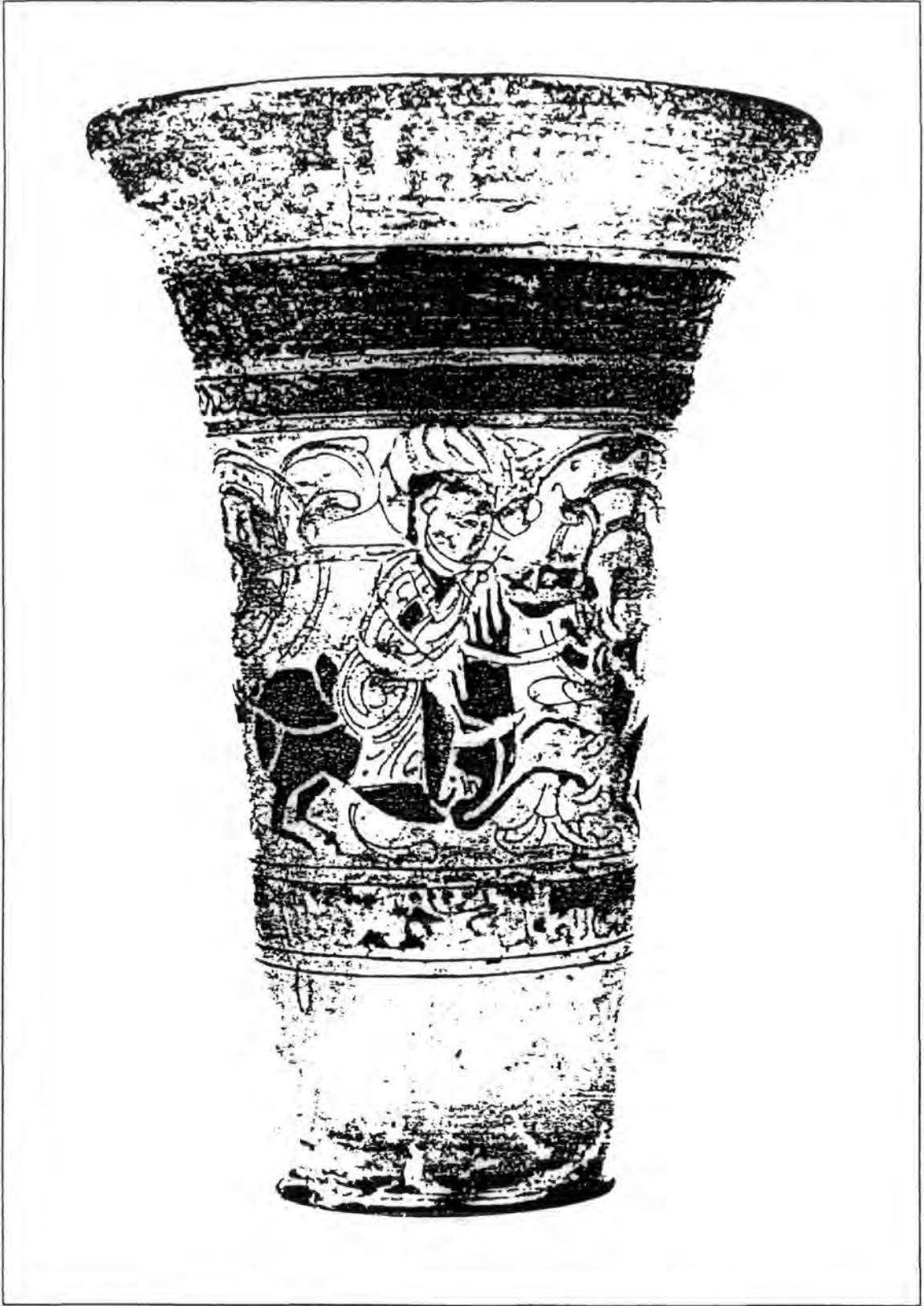


B. Lower part of a sprinkler [255] decorated with an opaque turquoise spiral trail overlain by turquoise trails streaked with purple; Palazzo Vitelleschi, Tarquinia

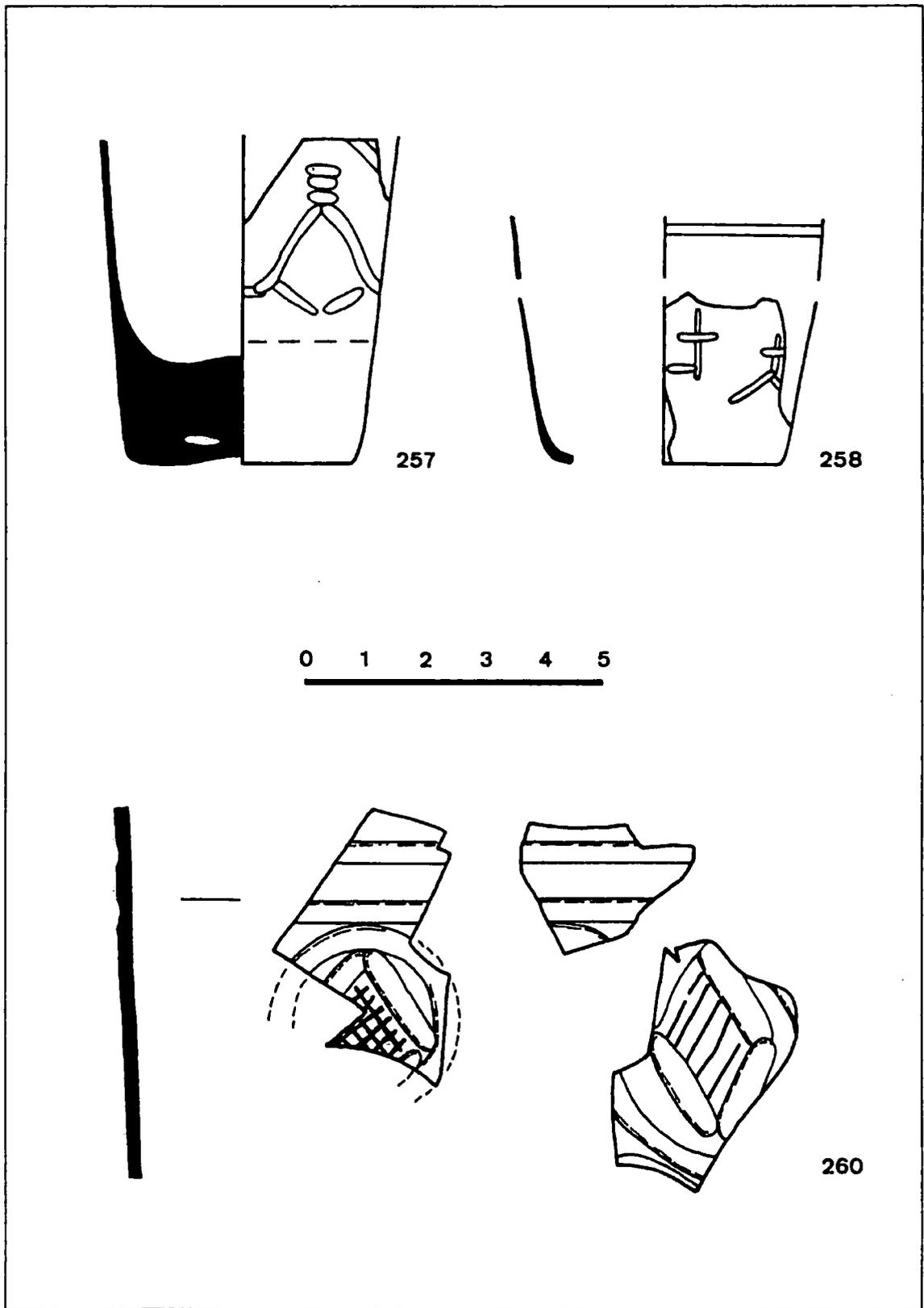
FIGURE 72



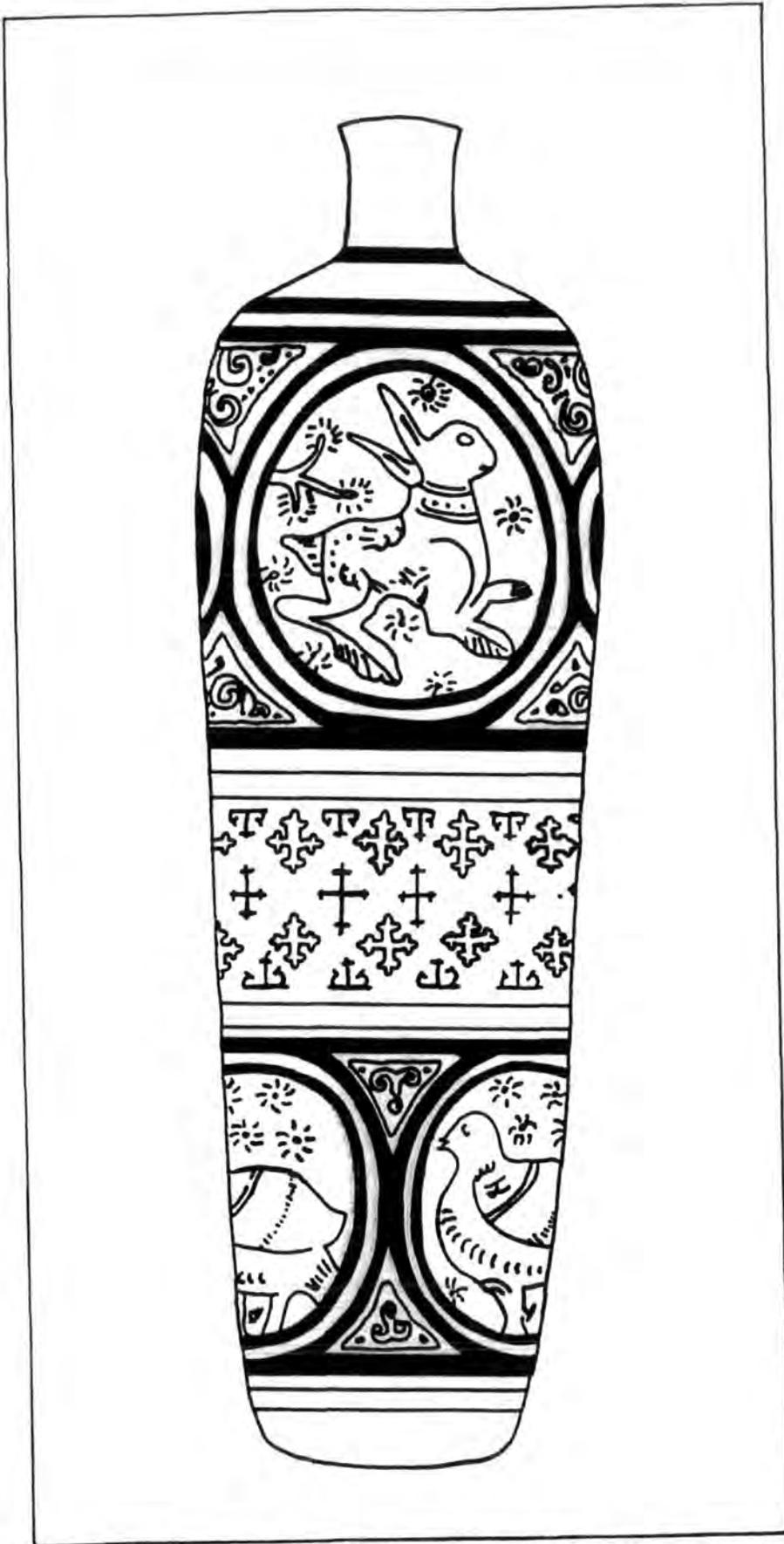
Profile of a spherical sprinkler flask decorated with dark blue trailing from Tuscania



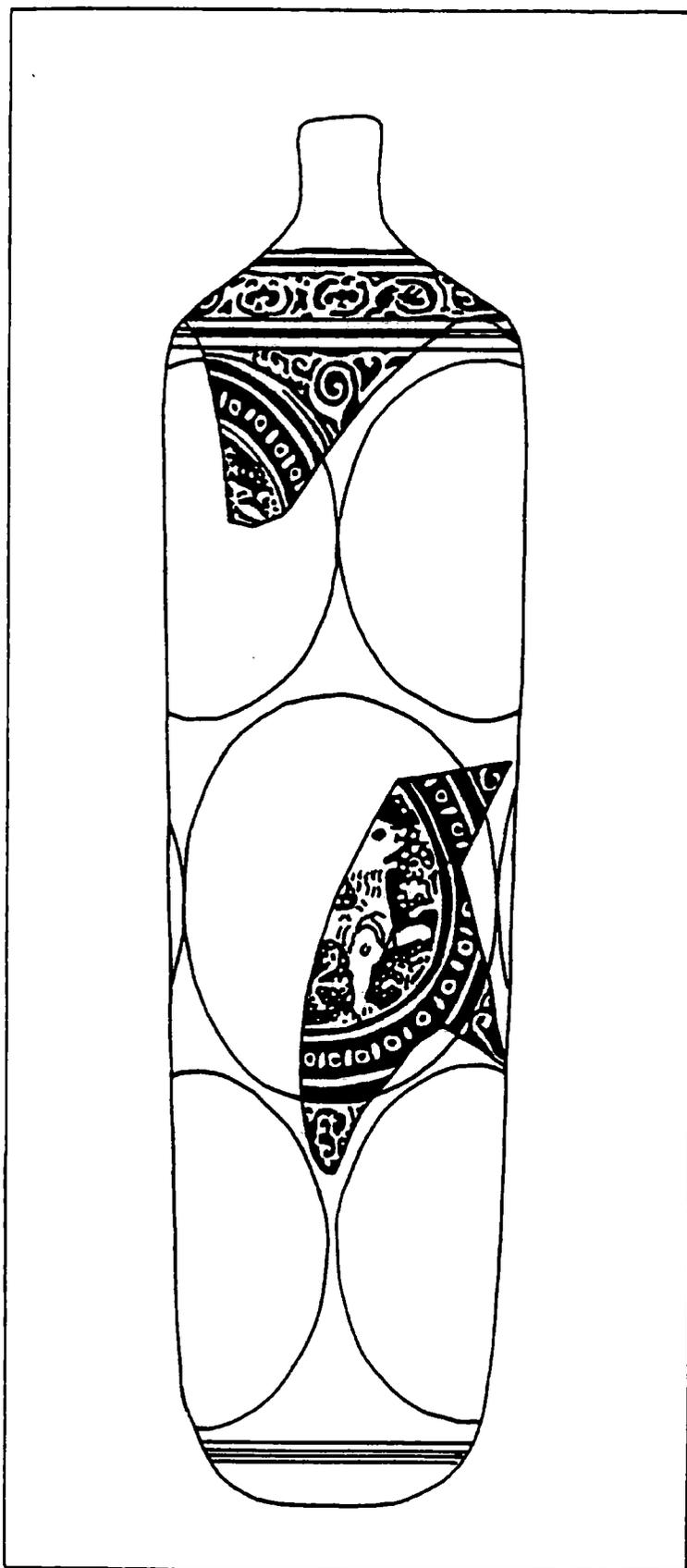
Islamic gilt and enamelled beaker decorated with horsemen found in an altar of the now destroyed church of Santa Margherita, Orvieto. After Wenzel 1984, fig. 9



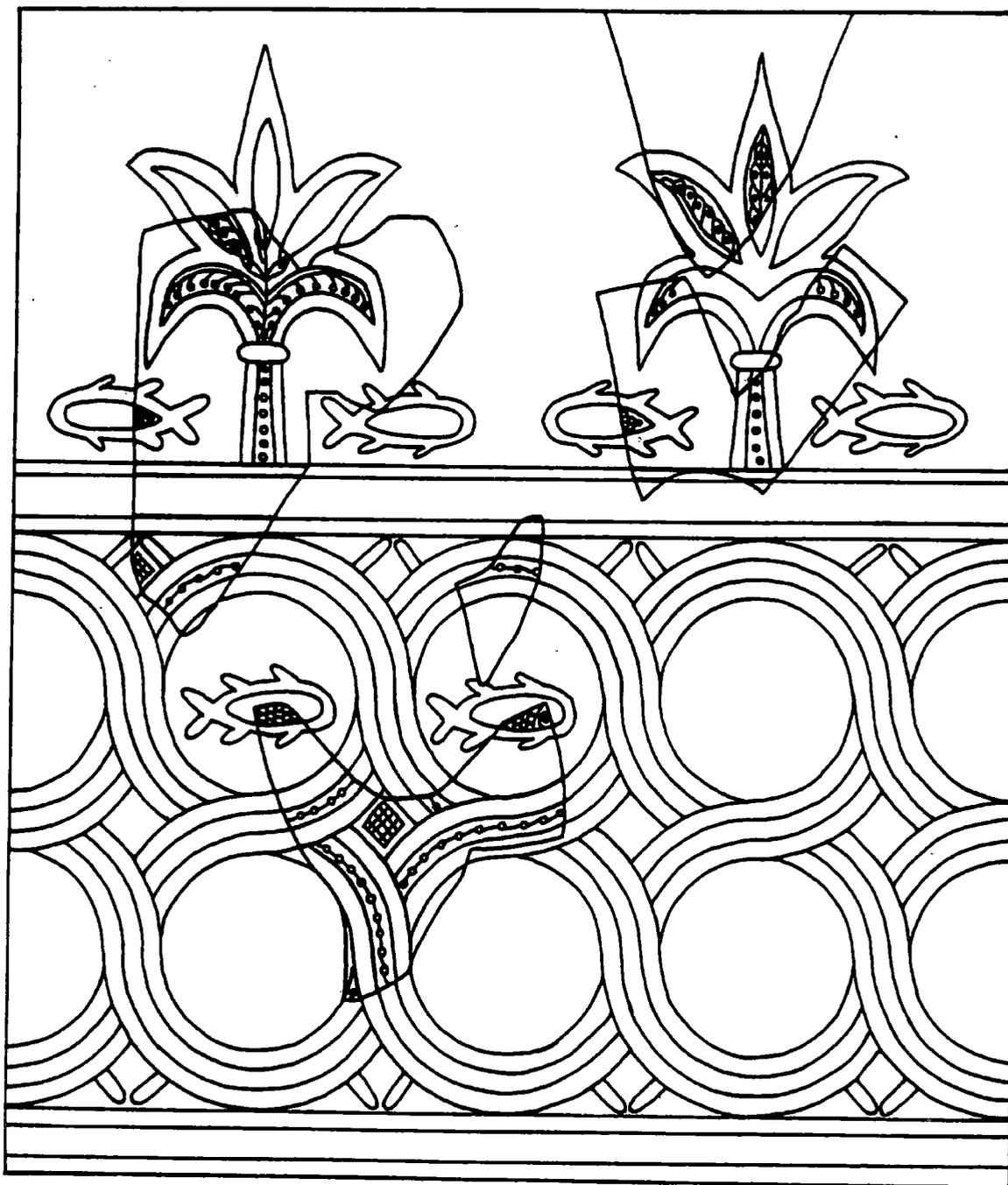
Profiles of Islamic wheel-cut beakers from Farfa Abbey



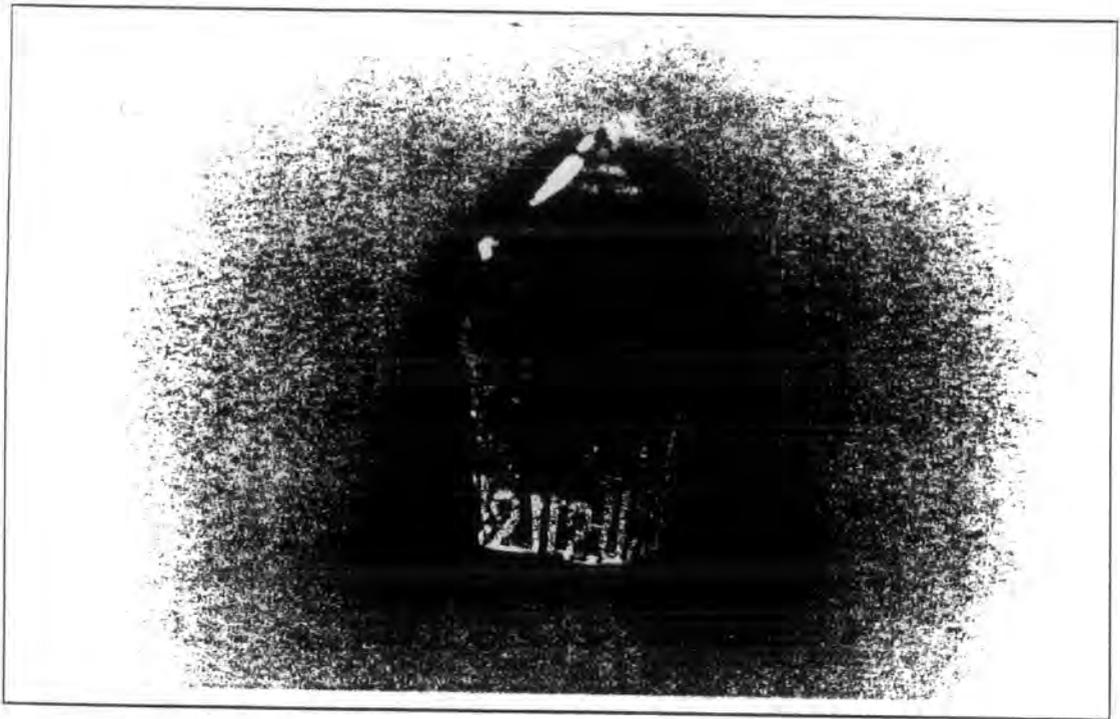
Reconstruction of a Byzantine gilt and enamelled bottle found in a medieval tower-house in the Via del Torri, Tarquinia. Height 205 mm. *Drawing: Sally Cann*



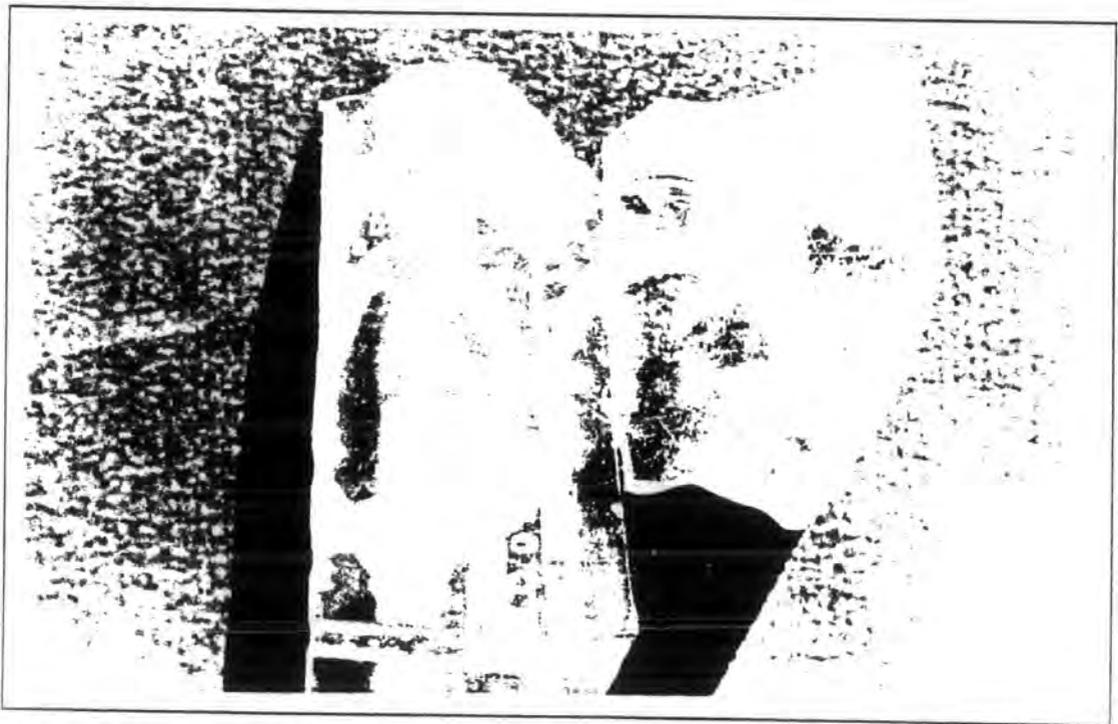
Reconstruction of a Byzantine gilt and enamelled bottle from the Gorga Collection and probably found in Rome. Drawing after Sagui 1998, fig. 47 on p. 35



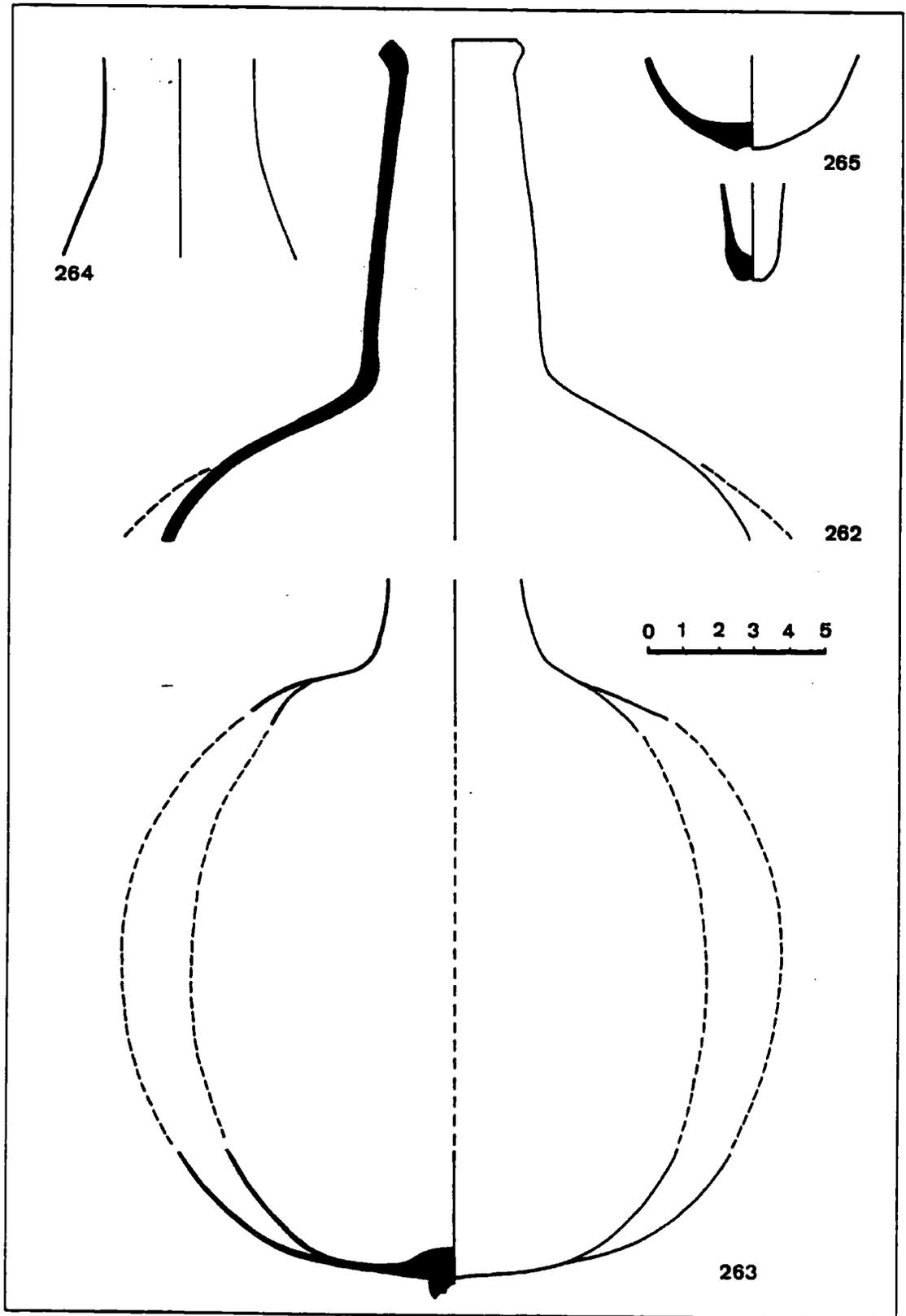
Reconstruction of the wheel-cut design on the 'Fish and Palm Tree' beaker from Farfa Abbey [261]



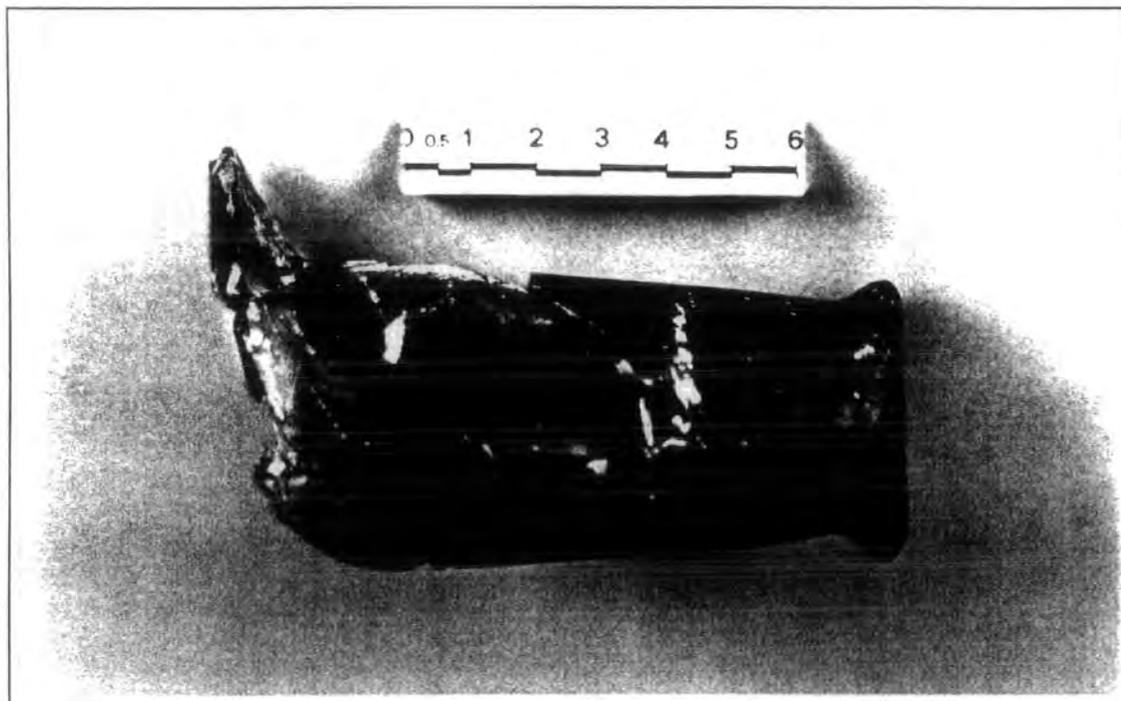
A. Bottle neck fragment decorated with a pseudo Kufic inscription in gilt [186]; Palazzo Vitelleschi, Tarquinia



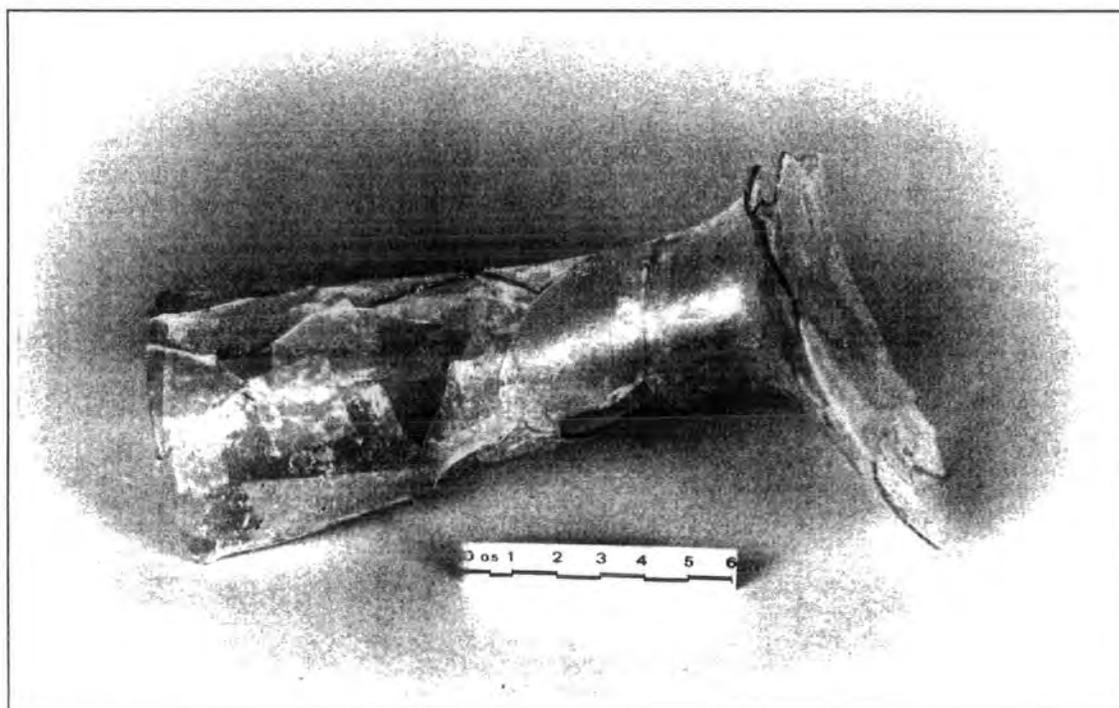
B. Two joining fragments from the 'Fish and Palm Tree' wheel-cut beaker [261]; Abbey of Farfa



Profiles of utilitarian bottles with flattened sides from the Palazzo Vitelleschi, Tarquinia

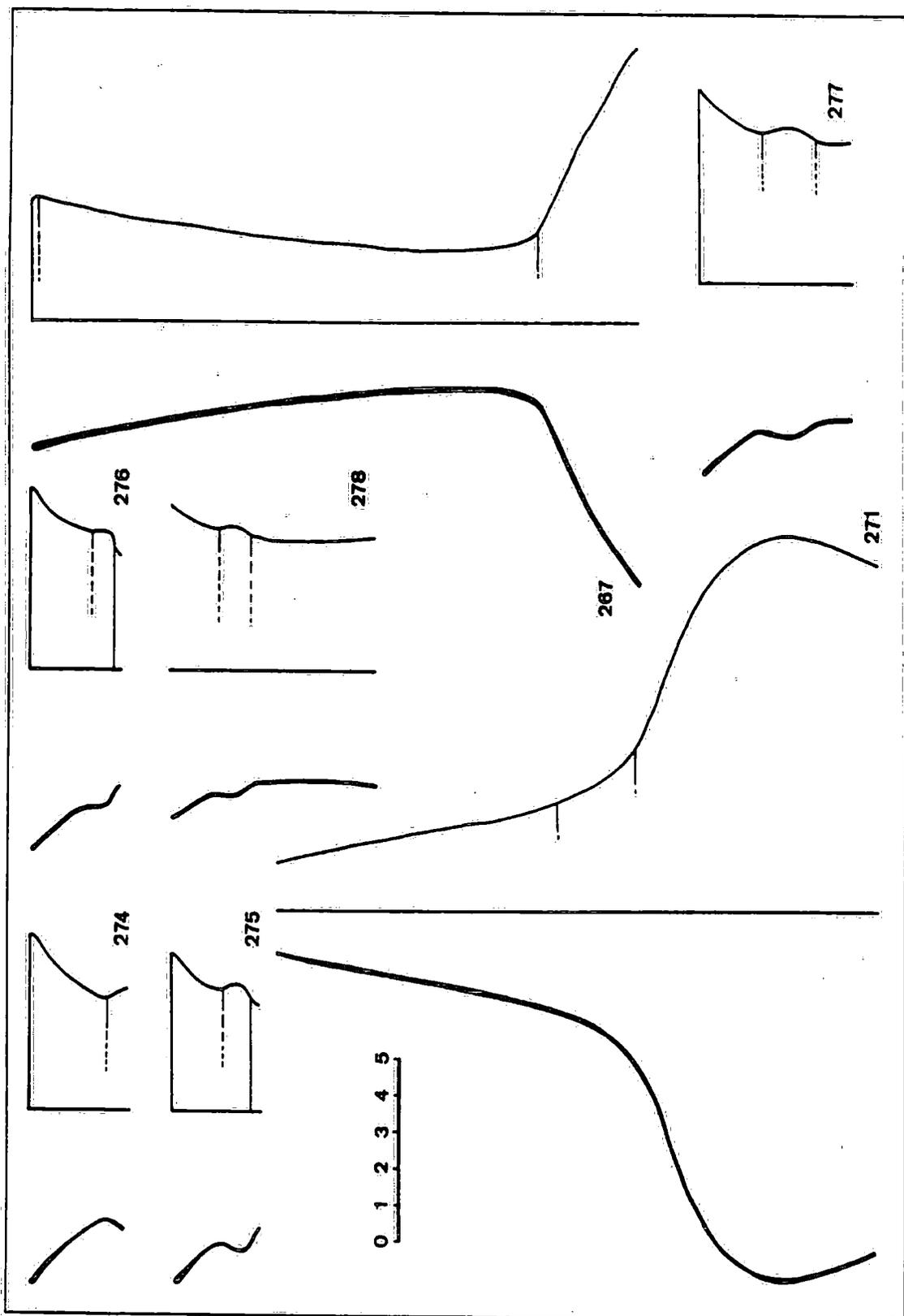


A. Neck and shoulder from a utilitarian bottle with flattened sides [262]; Palazzo Vitelleschi, Tarquinia

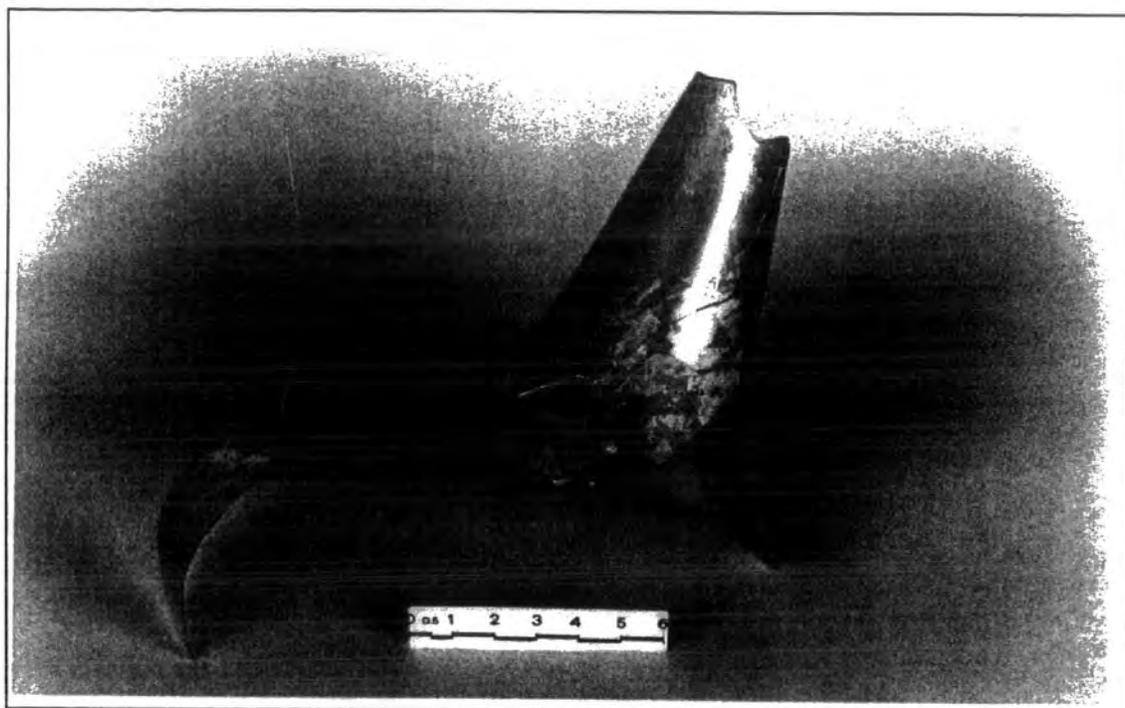


B. Neck and shoulder from a large utilitarian bottle [267]; Palazzo Vitelleschi, Tarquinia

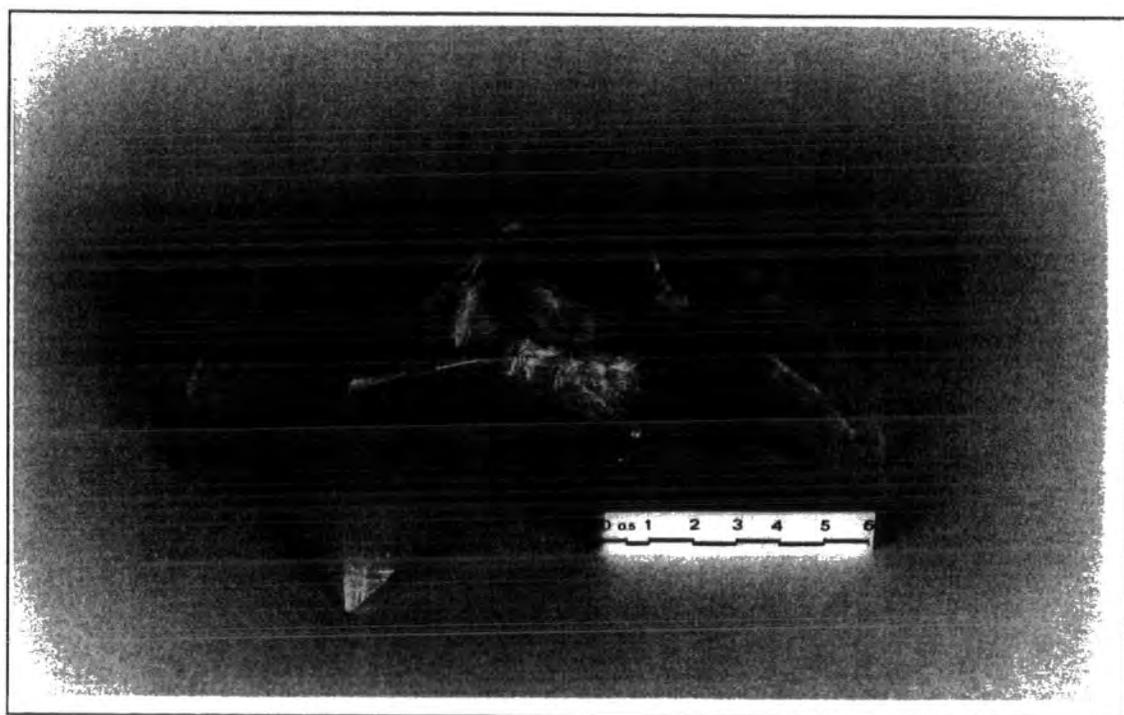
FIGURE 81



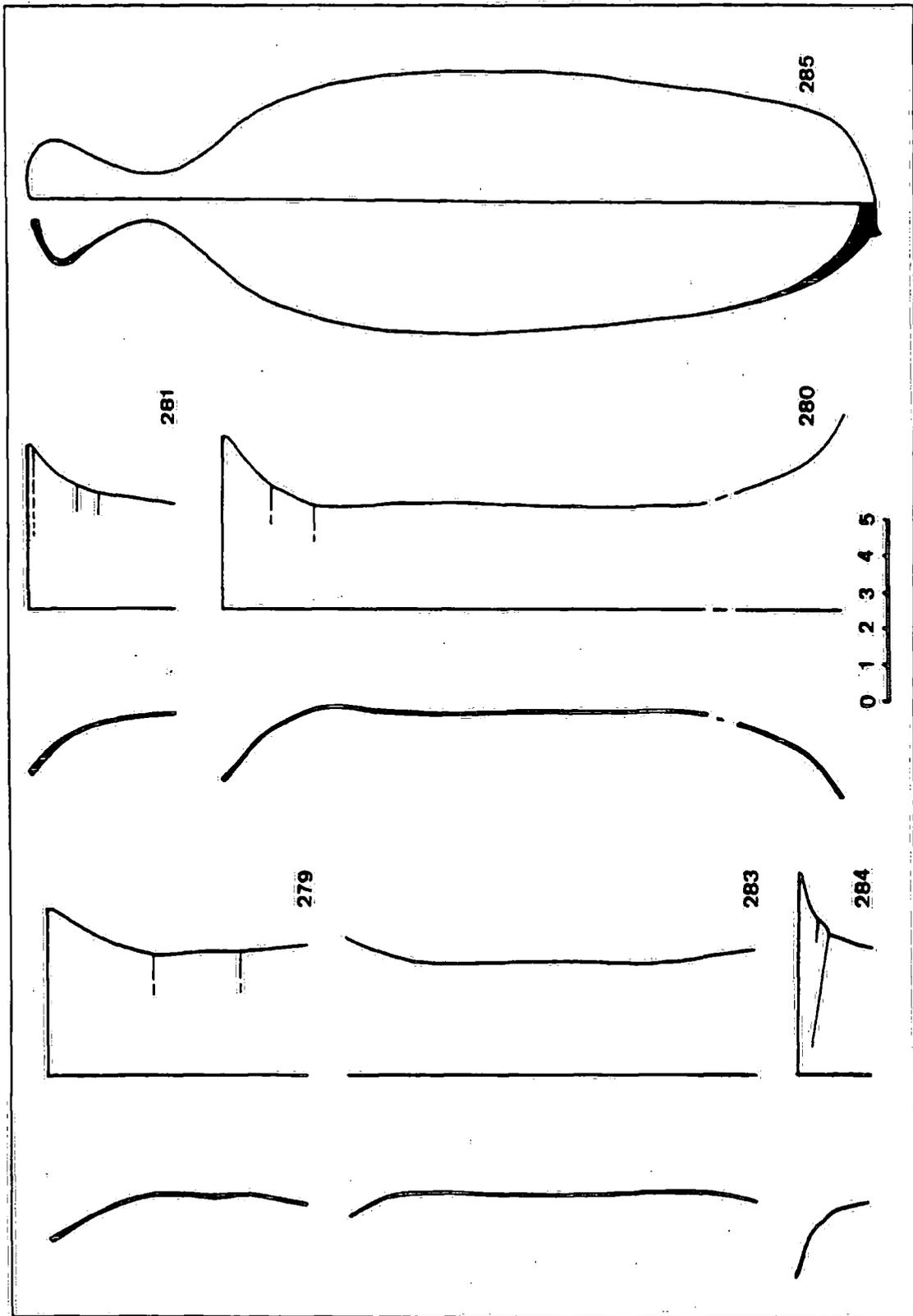
Profiles of the mouths, necks and upper bodies from utilitarian bottles from the Palazzo Vitelleschi, Tarquinia



A. Neck and upper body from a large utilitarian bottle [271]; Palazzo Vitelleschi, Tarquinia



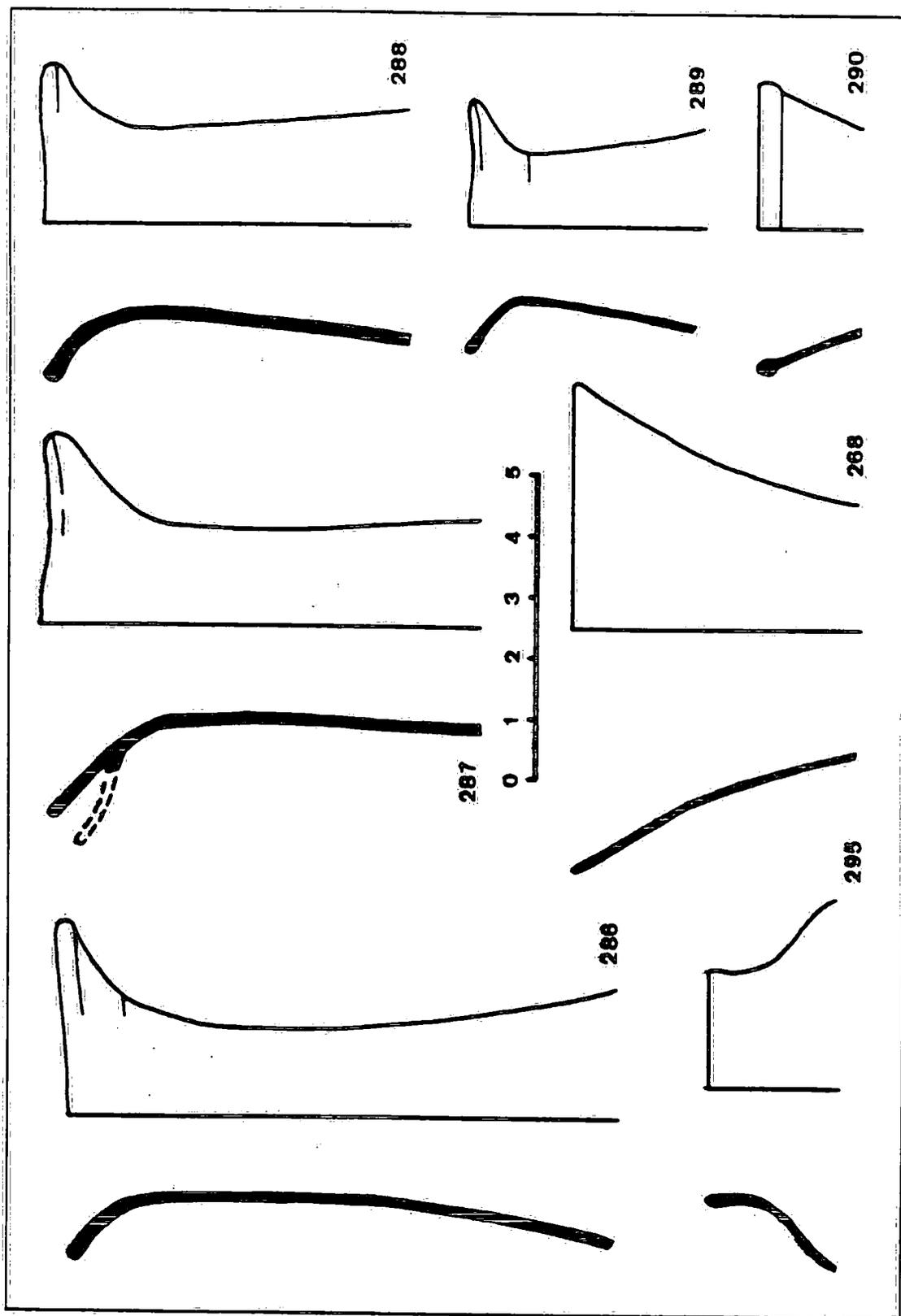
B. Lower neck and shoulder from a fineware bottle [170]; Palazzo Vitelleschi, Tarquinia



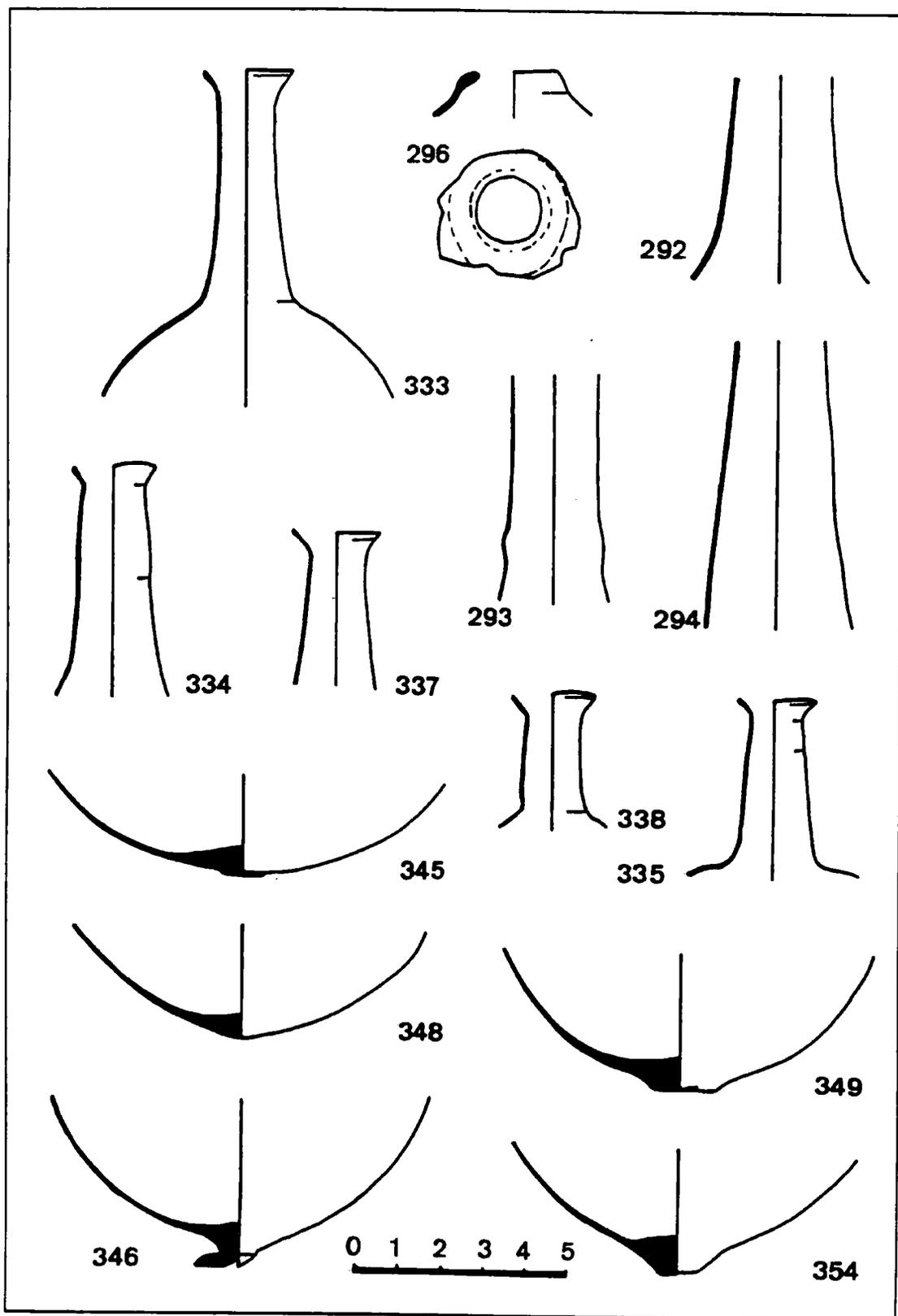
Profiles of the wide mouths and necks from utilitarian bottles [279-84] from the Palazzo Vitelleschi, Tarquinia, and a bottle with a rounded bottom [285] from Farfa Abbey



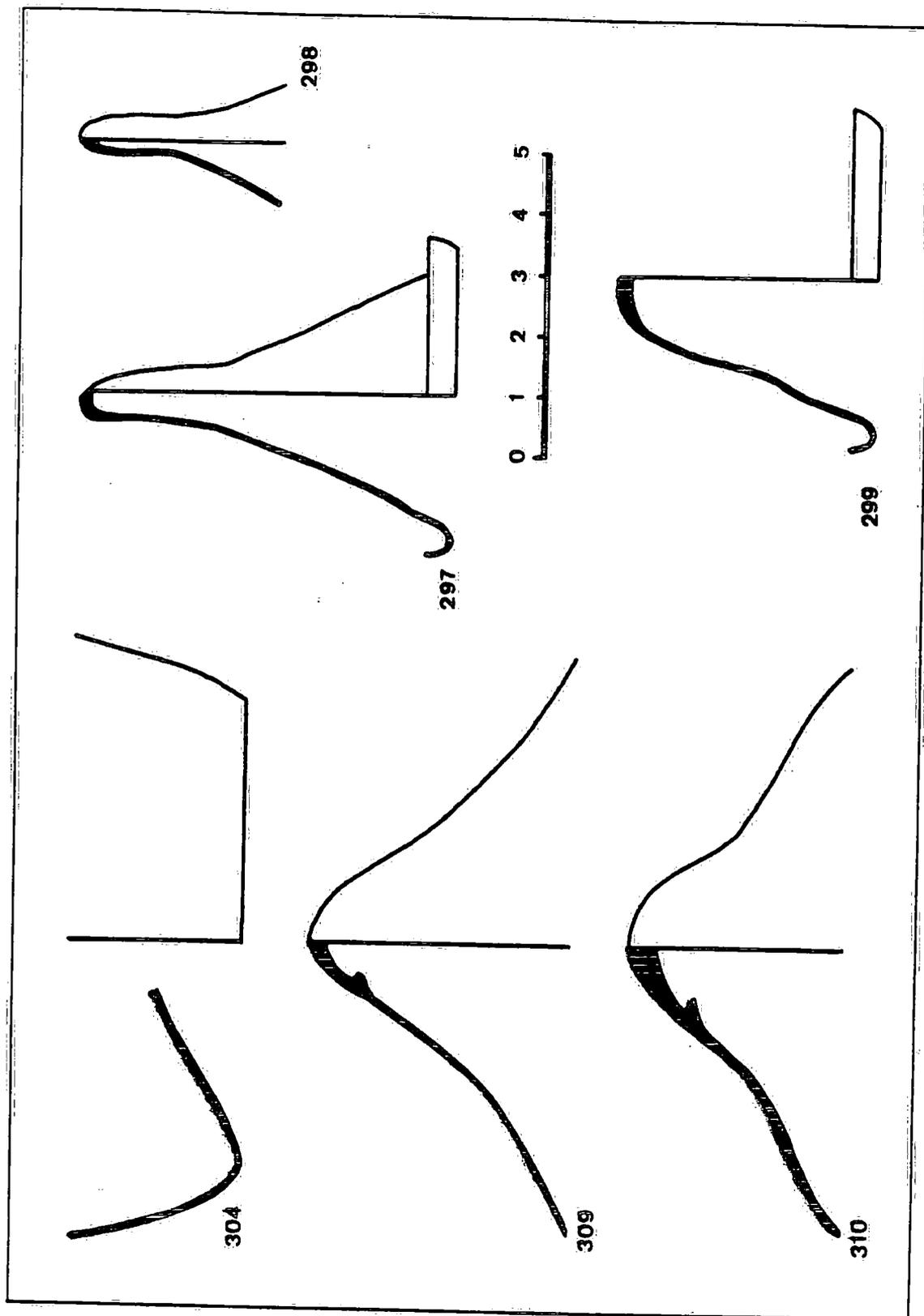
Flaring mouth and neck from a large utilitarian bottle [280]; Palazzo Vitelleschi, Tarquinia



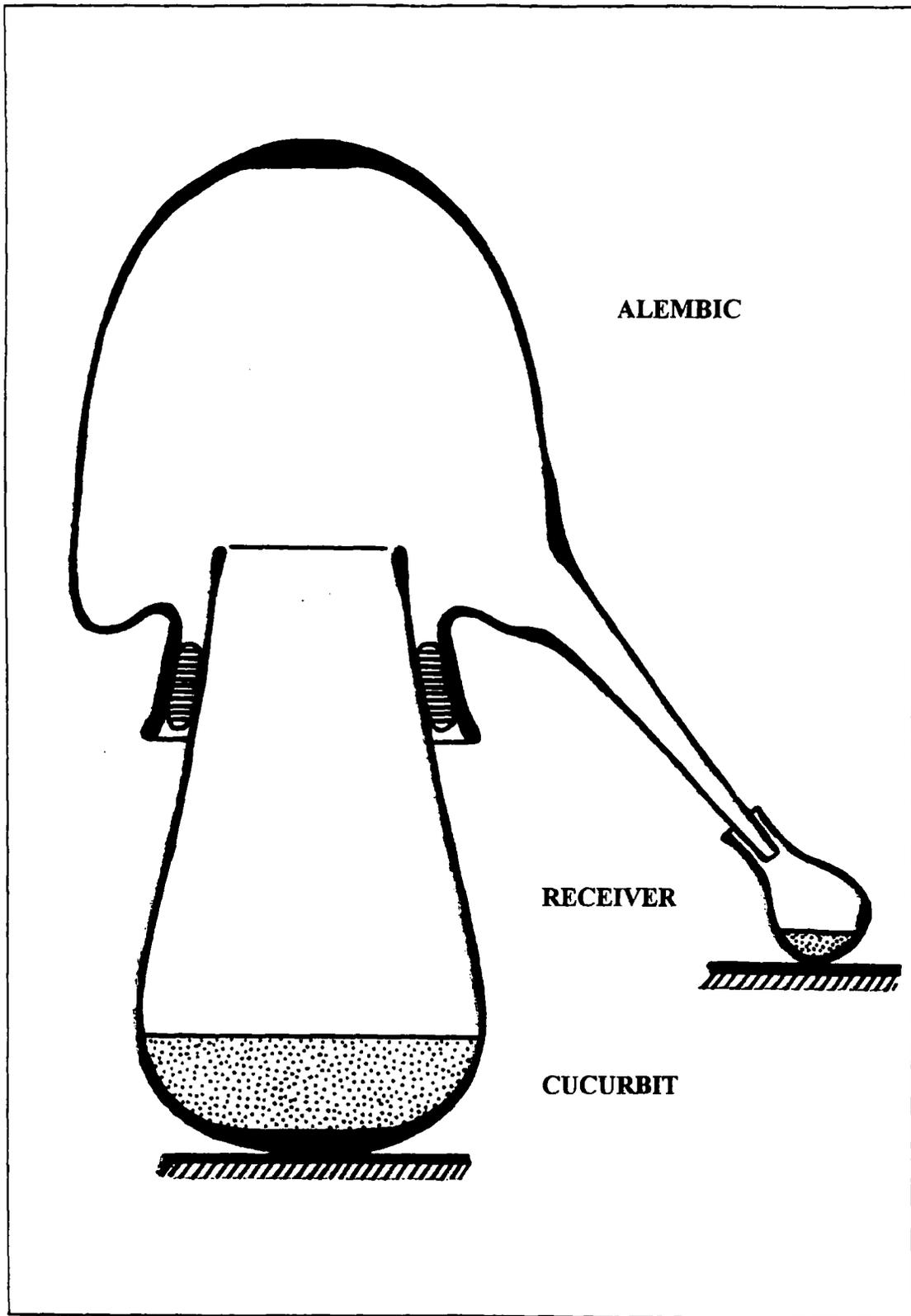
Profiles of the mouths and necks from medium-sized utilitarian bottles from Palazzo Vitelleschi, Tarquinia



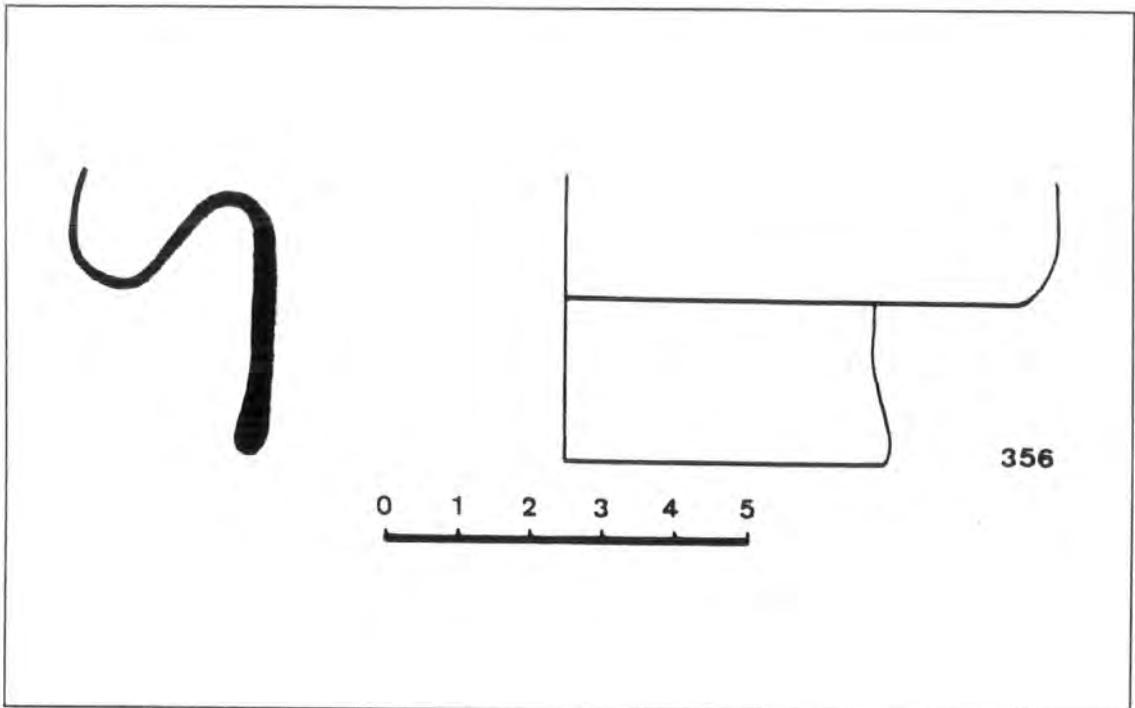
Profiles of medium-sized bottle necks and small bottles with rounded bottoms from the Palazzo Vitelleschi, Tarquinia and the mouth of a closed bottle [296] from Farfa Abbey



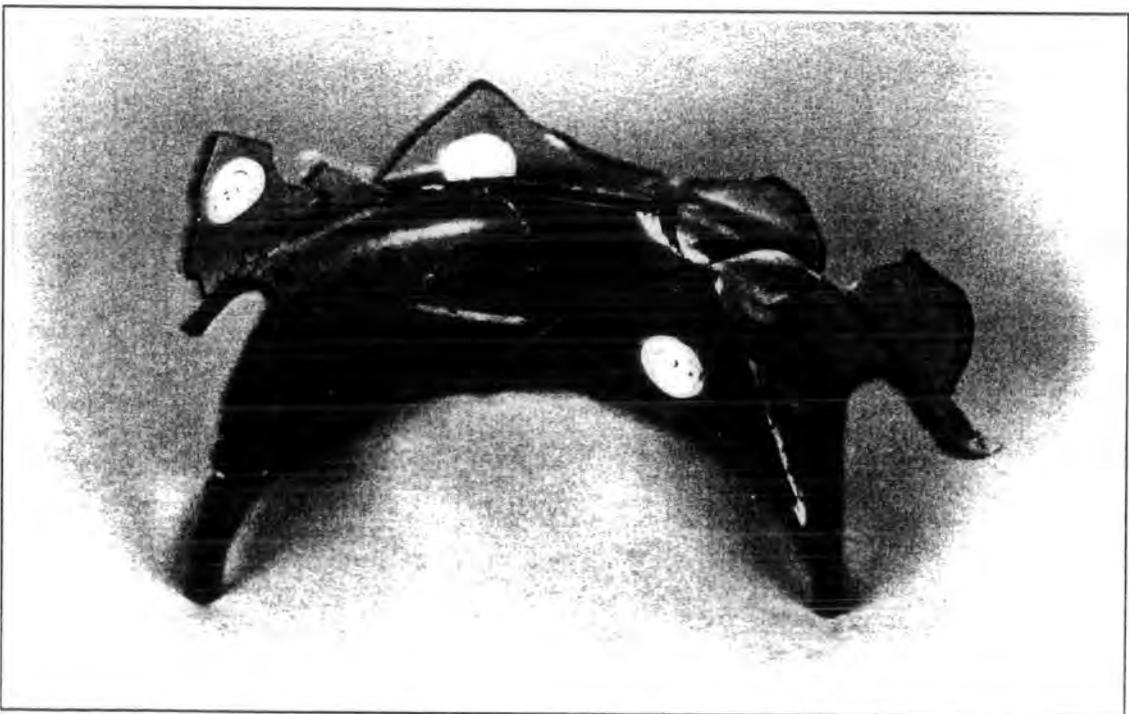
Profiles of pushed-in bottle bases from Farfa Abbey [304 and 310] and the Palazzo Vitelleschi, Tarquinia [297-9 and 309]



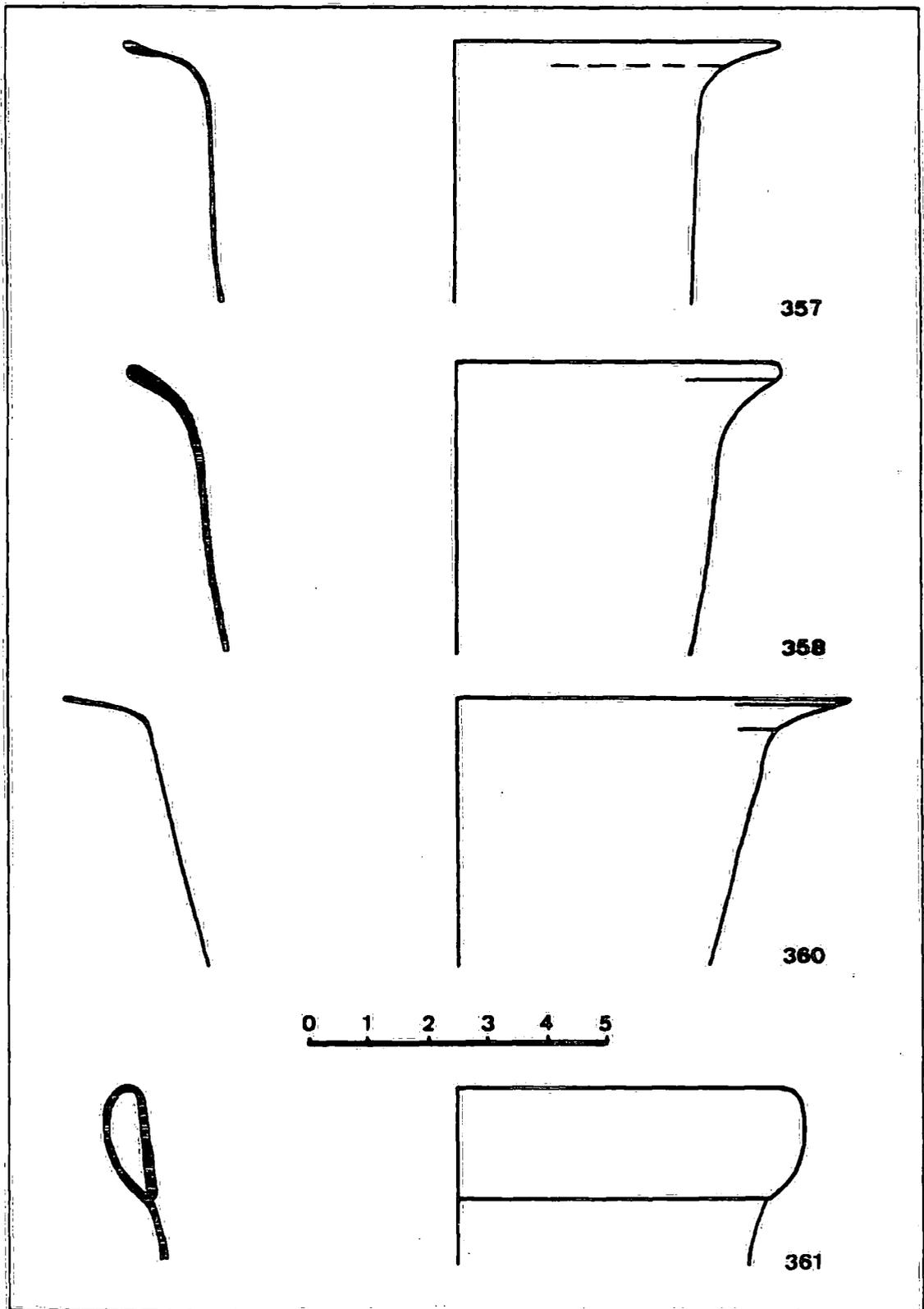
Reconstruction of a medieval distilling set or still comprising a cucurbit, alembic and receiver



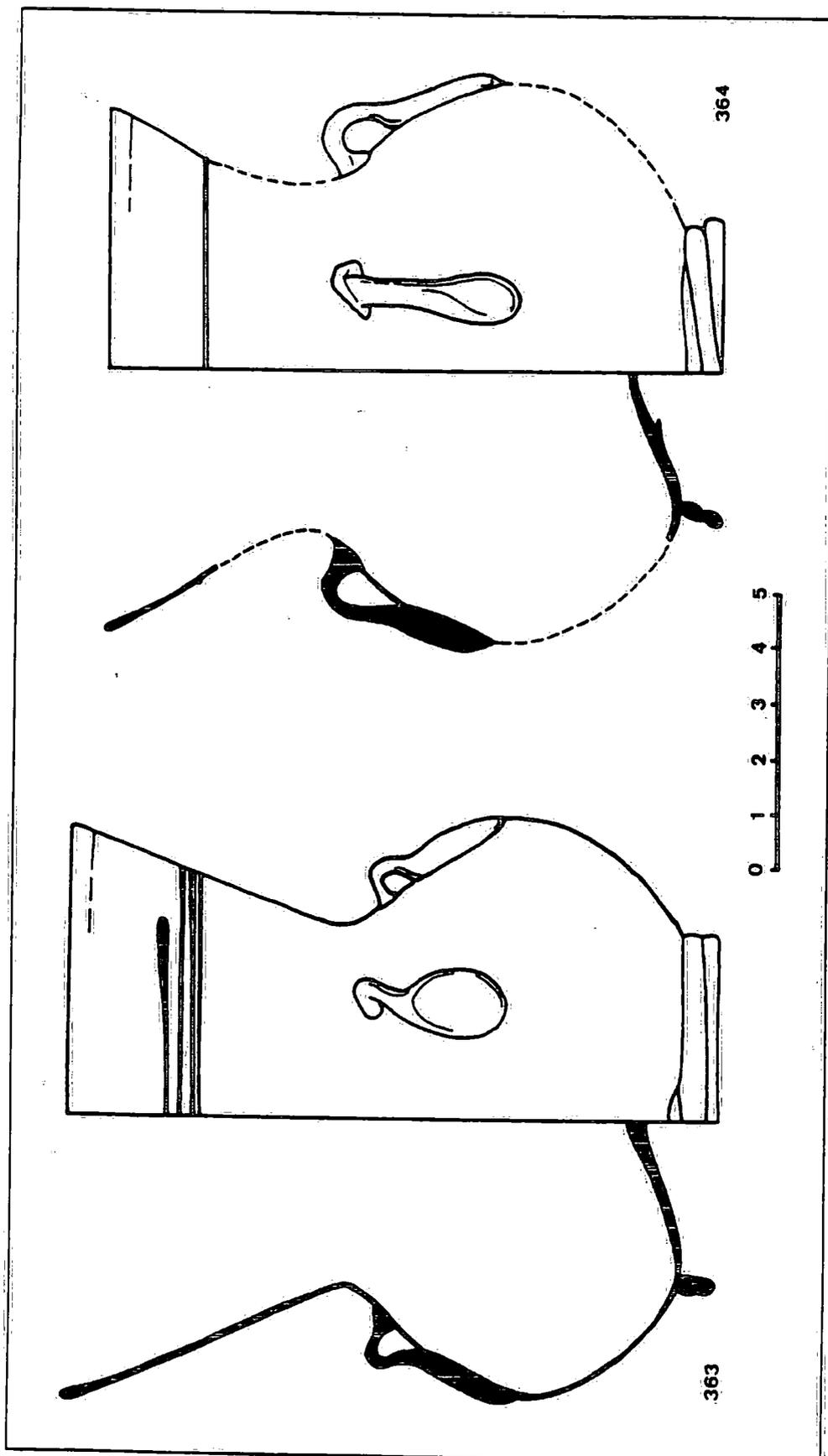
A. Profile of the lower part of an alembic from the Palazzo Vitelleschi, Tarquinia



B. Fragments from the lower part of an alembic [356] from the Palazzo Vitelleschi, Tarquinia



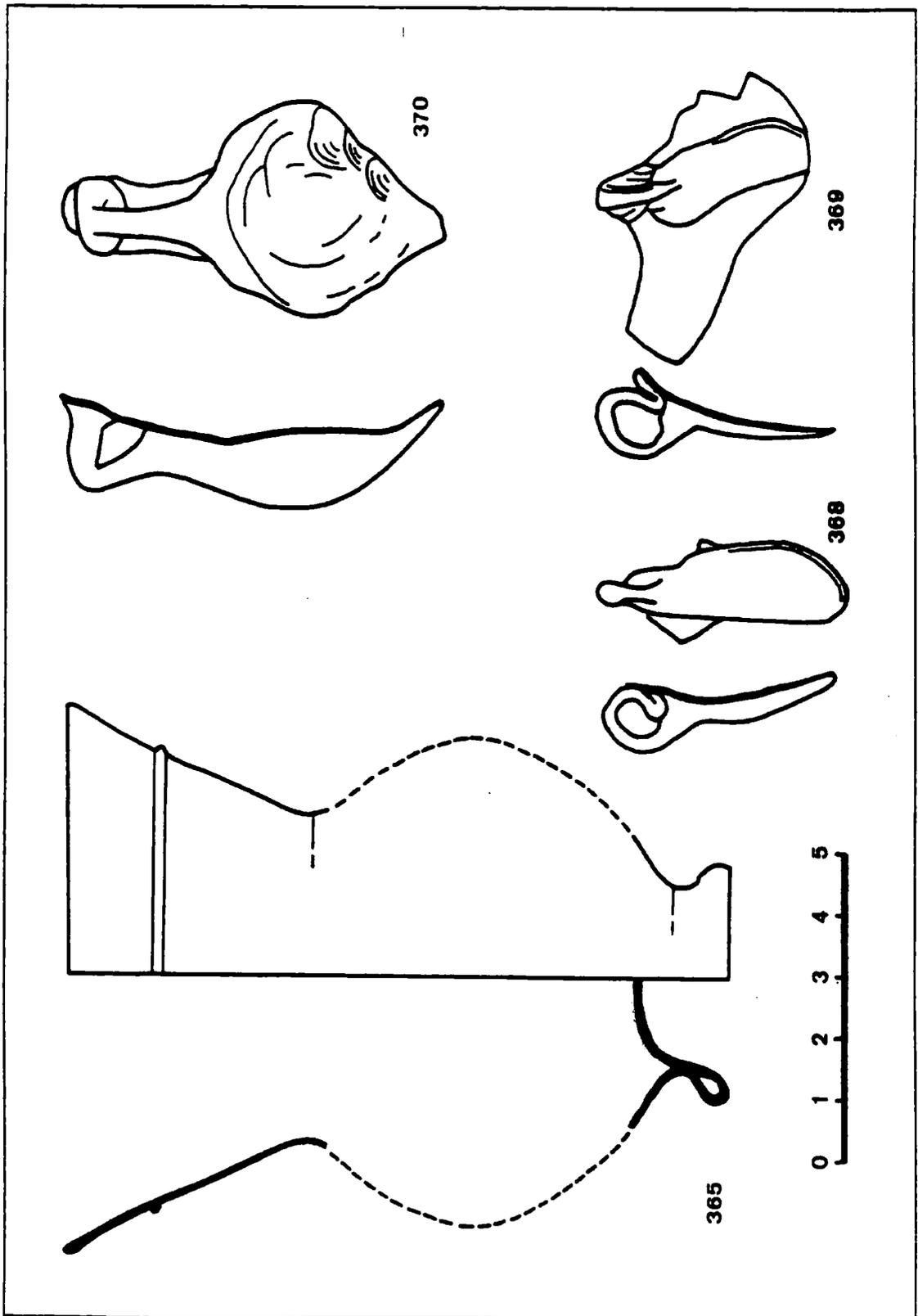
Profiles of the mouths and upper bodies from urinals from the Palazzo Vitelleschi, Tarquinia



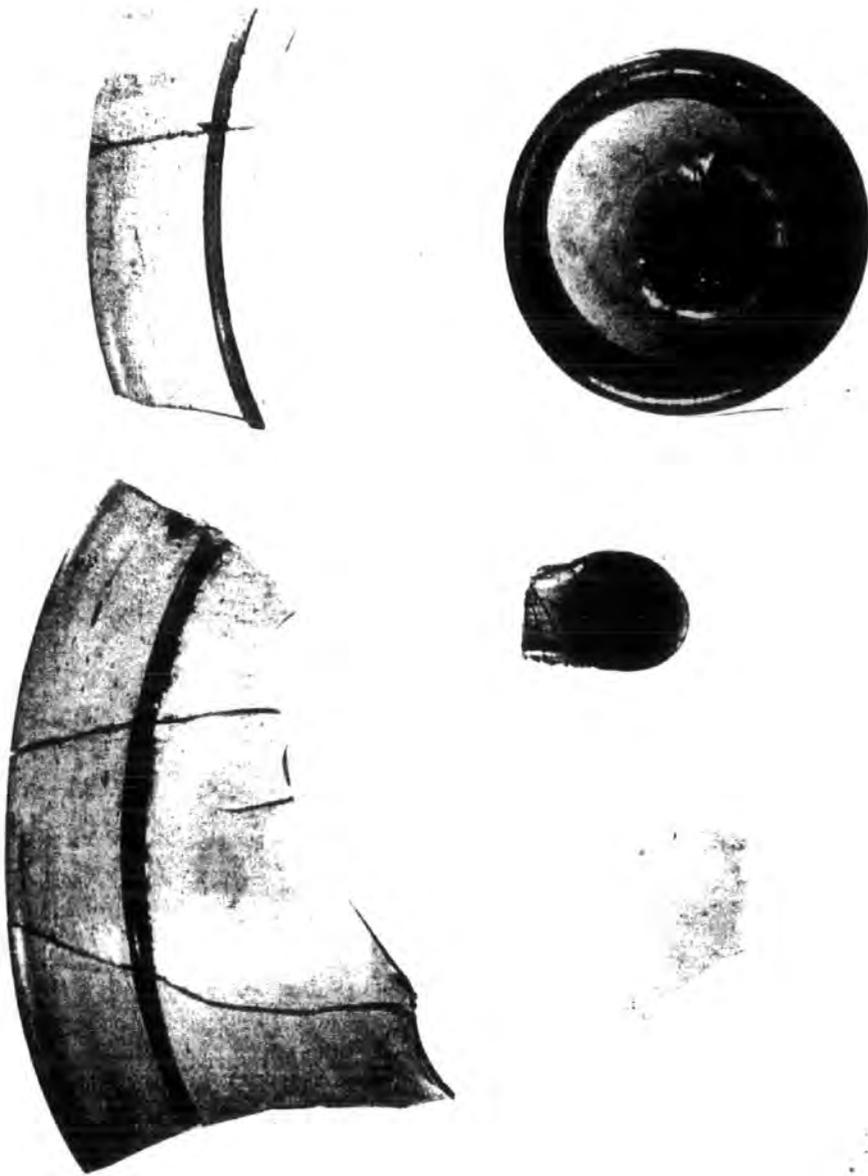
Two hanging lamps with coloured decorative trailing and handles from the Museo Sacro, the Vatican [363] and the Abbey of Farfa [364]



Fragments from a hanging lamp made in bubbly light green glass with blue decorative trailing and handles [364] from Farfa Abbey. Reconstructed height 11.5 cm



Profiles of hanging lamps from Farfa Abbey [365, 368 and 370] and a single handle fragment [369] from the Palazzo Vitelleschi, Tarquinia



Fragments from a light turquoise hanging lamp [365] from the Abbey of Farfa. Height (reconstructed) 11 cm; rim diameter 9 cm

