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## VORWORT DER REDAKTION

Der 27. RCRF-Kongress fand vom 19. bis zum 26. September 2010 im Nationalmuseum in Belgrad statt.  
Thema des Kongresses war: „LATE ROMAN AND EARLY BYZANTINE POTTERY: the end or continuity of Roman production?“.

Von den anlässlich des Kongresses präsentierten Postern und Vorträgen wurden folgende nicht publiziert:

M. BERGAMINI, P. COMODI & I. FAGA	Scoppieto: La produzione di vasi a pareti sottili
D. BERNAL CASASOLA, M. LARA MEDINA & J. VARGAS GIRÓN	Roman clay fishing weights in Hispania. Recent research on typology and chronology
A. BIERNACKI & E. KLENINA	Red slip ware from <i>Novae (Moesia Secunda)</i> : 4 <sup>th</sup> –5 <sup>th</sup> local production and imports
M. CASALINI	Circolazione ceramica a Roma tra 1 età delle invasioni e la riconquista bizantina. Nuovi dati dai contesti delle pendici nord orientali del Palatino
Sv. CONRAD	Pottery of the second half of the 3 <sup>rd</sup> century from <i>Romuliana</i>
T. CVJETIĆANIN	Late Roman pottery in Diocese Dacia: overview, problems and phenomena
M. DASZKIEWICZ & H. HAMEL	Roman pottery from Baalbek (Lebanon): provenance studies by laboratory analysis
J. DAVIDOVIĆ	Late Roman burnished pottery from Srem
E. DOKSANALTI	The late Roman pottery from “the Late Roman House” in Knidos and the Knidian late Roman pottery
D. DOBREVA	Late Roman amphorae on the Lower Danube: trade and continuity of the Roman production
D. DOBREVA & G. FURLAN	Progetto Aquileia: <i>Fondi ex Cossar</i> . Commercio e consumo ad Aquileia. Analisi delle anfore tardoantiche alla luce di alcuni contesti
KR. DOMZALSKI	Late Roman light-coloured ware: tradition and innovation
P. DYCKECK	Remarks on the so called legionary pottery
A. JANKOWIAK & F. TEICHNER	A household inventory of a <i>Mirobrigensis celticus</i>
G. KABAKCHIEVA	Spätömische Keramik in den Provinzen <i>Dacia Ripensis</i> und <i>Moesia Secunda</i>
T. KOWAL & J. RECLAW	Scientific Investigations – Program EU – Central Europe: The Danube Limes project
J. KRAJSEK	Late Roman pottery from <i>Municipium Claudium Celeia</i>
J. LEIDWANGER	Economic crisis and non market exchange: fabric diversity in the Late Roman 1 cargo amphoras from the 7 <sup>th</sup> century shipwreck at Yassiada (Turkey)
T. LELEKOVIĆ	Pottery from the necropoleis of <i>Mursa</i> (1 <sup>st</sup> –4 <sup>th</sup> centuries)
B. LIESEN	First century fine ware production at Xanten (Germany)
R. PALMA	La ceramica dipinta di Schedia (Egitto)
D. PARASCHIV, G. NUTU & M. IACOB	La ceramique romaine d' <i>Argamum (Moesia Inferior)</i>
S. PETKOVIĆ	Late Roman pottery from tower 19 of the the later fortification of <i>Romuliana</i>
P. PUPPO	Ceramiche comuni di VI–VII sec. d.C. nella Sicilia occidentale: produzioni regionali ed importazioni dall’Africa settentrionale
D. RADICEVIĆ	Early Byzantine pottery from Liška Čava, near Guča (Western Serbia)
D. RATKOVIĆ	The territory of Serbia in Roman times
CHR. SCHAUER	Pottery of the late Roman and early Byzantine periods in Olympia

G. SCHNEIDER & M. DASZKIEWICZ	In-situ chemical analysis of pottery using a portable X-ray spectrometer
A. STAROVIĆ & R. ARSIĆ	Cherniakhovo-type ceramic vessels from NW Serbia and the question of inhabitants of the central Balkans in the late 4 <sup>th</sup> century AD
M. TEKOCAK	Roman pottery in the Aksehir Museum
P. VAMOS	Some remarks about military pottery in <i>Aquincum</i>
M. VUJOVIĆ & E. CVIJEĆIĆ	<i>Mortaria</i> from Komini- <i>Municipium S.</i> (Montenegro)
Y. WAKSMAN	“Byzantine White Ware I”: from Late Roman to Early Byzantine Pottery in Istanbul/Constantinople
I. ŽIŽEK	Late Roman pottery in Roman graves in <i>Poetovio</i>

Bei der Korrektur und Durchsicht der Artikel stand mir das *editorial committee* zur Seite. Ganz besonders danke ich Philip Kenrick für die zuverlässige Unterstützung und Dieter Imhäuser (ars) für die gute und freundschaftliche Zusammenarbeit bei Satz und Layout.

Die Zitierweise wurde den Richtlinien der Römisch-Germanischen Kommission des Deutschen Archäologischen Instituts angeglichen (Ber. RGK 71, 1990, 973–998 und Ber. RGK 73, 1992, 478–540).

Susanne Biegert

Ivana Ožanić Roguljić

## POTTERY FROM THE WORKSHOP OF SEXTUS METILIUS MAXIMUS (CRIKVENICA-IGRALIŠTE/AD TURRES, NORTHERN DALMATIA)

A Roman ceramic workshop was found in Crikvenica (*Ad Turres*, Croatia) at a site called “Igralište”. During the excavations from 2004 to 2010 at Crikvenica-Igralište four kilns were found and completely excavated. By the stamps on the bricks we know that the workshop was owned and managed by Sextus Metilius Maximus. The workshop operated from the second half of the 1<sup>st</sup> century BC until the end of the 2<sup>nd</sup> century AD and produced ceramic construction material, amphorae and other types of pottery. Chemical analysis has shown that the clay used for making the objects is from the site. Several products of the workshop have been presented through literature, congresses and lectures i.e. flat-bottomed Adriatic amphorae of the Crikvenica type, stamped bricks and thin walled pottery (LIPOVAC VRKLJAN 2007: 26; LIPOVAC VRKLJAN/LUGOVIĆ 2008, 34–36; LIPOVAC VRKLJAN 2009, 309–315).

The aim of this article is to present the most common products made in *Ad Turres* such as several types of jugs, bowls, pots, lids and incense burners and their fabric. The vessels can be divided into three fabric groups (F 1–3). Most of them have very small round inclusions, visible by eye, which react with 18% acid the same as limestone would and sometimes they are coated by a grayish brown or greasy black slip to improve the quality of the vessels.

There are several types of jugs or flagons that are typical for the production of this workshop. Most of them have a pinched spout or a simple flaring rim and one handle. The fabric is without exceptions very soft with small traces of inclusions visible by eye in shades of light red or reddish yellow (F1).

Narrow-necked jugs with a spout vary in the form of the neck and in the dimensions of the opening. Jug **fig. 1** has a thickened neck below the opening which is characteristic for the middle of the 1<sup>st</sup> century AD. Jug **fig. 2?** can be dated from the end of the 1<sup>st</sup> to the 2<sup>nd</sup> century (ISTENIĆ 1999: 126–127). Flagons with a flaring, profiled rim vary in the forming of the rim and in the position of the handle (**figs. 3–6**).

A flagon with a slightly slanted rim (**fig. 3**) which probably had a long neck and one handle is dated from the end of the Republic to the middle of the 1<sup>st</sup> century AD. Similar shapes were used from the Hellenistic period to the 2<sup>nd</sup> century AD (CIPRIANO/DE FABRIZIO 1996, 214 fig 10,4). The flagon **fig. 4** can be dated in the first half of the 1<sup>st</sup> century (ROTH RUBI 1979, 37 pl. 9,91). The flagons **figs. 5–6** are dated from the end of the 1<sup>st</sup> century BC to the 1<sup>st</sup> century AD (CASARI 2002,

107 fig. 31). The flagon with a narrow neck, two handles and everted rim (**fig. 7**) was used for the storage of liquids (Ostia I pl. 14,308).

The shape of the body of the vessel in **fig. 8** shows stylish characteristics of the 1<sup>st</sup> century (ROTH RUBI 1979, 12–13). A jar with a wide, short neck and two handles (**fig. 9**) could be used as a table or a storage vessel. A jar with wide, short neck and slightly everted rim and oval body (**fig. 10**) which might have had two handles (only one handle is preserved) is of very poor make. It could be dated from the 1<sup>st</sup> to the 3<sup>rd</sup> century (Ostia III, 141 pl. 29,186; GASARETTI 1996, 30 fig 2,15–16).

There are several very different types of bowls. The bowl with one (preserved) handle and a rim which is slanted with grooves at the lip (**fig. 11**) and the small bowl with two handles (**fig. 12**) were used as table ware. It is unclear if bowls with incurved rim (**fig. 13**) were used as kitchen or table ware (OŽANIĆ 2009, 84). Large bowls with two handles “glued” to the surface (**figs. 14–15**) were used for preparing meals (SCATOZZA HÖRICHT 1996, 145). There are many variations of bowls with such handles and they appear continuously from the Hellenistic period to the 3<sup>rd</sup> century AD (BATS 1993, 347–348; MARIOTTI/MASSA/RAVASI 2008, 195; 205; Ostia I 1967/1968 pl. 21,425a–b; 27,430a–b; Ostia III, 129 pl. 26,146; MARTIN 1992, 325 sl. 2). A wide-mouthed jar with two grooves on the shoulder (**fig. 16**) has fabric F3 that is similar to the fabric of pots and it probably was used as cooking ware.

The most typical jar has an oval body, a short neck and a bent rim. There are variations with grooves below the neck or without any decoration. Their fabric (F3) shows shades of red, is hard, inclusions are not visible by eye and the surface is a bit coarse (**figs. 17–18**) covered with greasy brownish gray slip. The shape of such jars can be either of Italian or Celtic origin and they are dated from the end of the 1<sup>st</sup> century BC to the 2<sup>nd</sup> century AD (SCHINDLER-KAUDELKA/ZABEHLICKY-SCHEFFENEGGER 1995, 192; CASARI 2002, 115 fig. 48).

Lids vary in sizes and shapes and according to their purpose most of them were used as lids for flagons and jars (**figs. 19–22**).

Incense burners (**figs. 23–24**) are simple with greasy black slip and specific fabric (F2). The clay is hard, red with no or very small inclusions.

## Conclusion

While we work on the pottery from Crikvenica-Igralište we always have to have in mind that it is waste material. Those are the vessels that never made it to market. They were used in secondary levelling of the site so the dating of certain types is quite difficult. Potters from Crikvenica were able to produce vessels that have specific features typical for their workshop. Many of the finds do not have real analogies, most of them show stylistic characteristics of the 1<sup>st</sup> century AD but some of the types at other sites can be dated even in the 2<sup>nd</sup> century AD or later. As we know by now sometime in the 2<sup>nd</sup> century AD the workshop in Crikvenica stopped its production. The workshop produced a large amount of simple types of jugs, flagons, bowls, pots, lids and incense burners. Statistical analyses of the material are still work in progress and will be part of the PhD thesis of the author. The research

in depots of the several museums showed that the products presented here were distributed in Northern Dalmatia, but due to the lack of publications from this region we do not have enough information. This paper is just a brief introduction in presenting the range of forms from Crikvenica workshop.

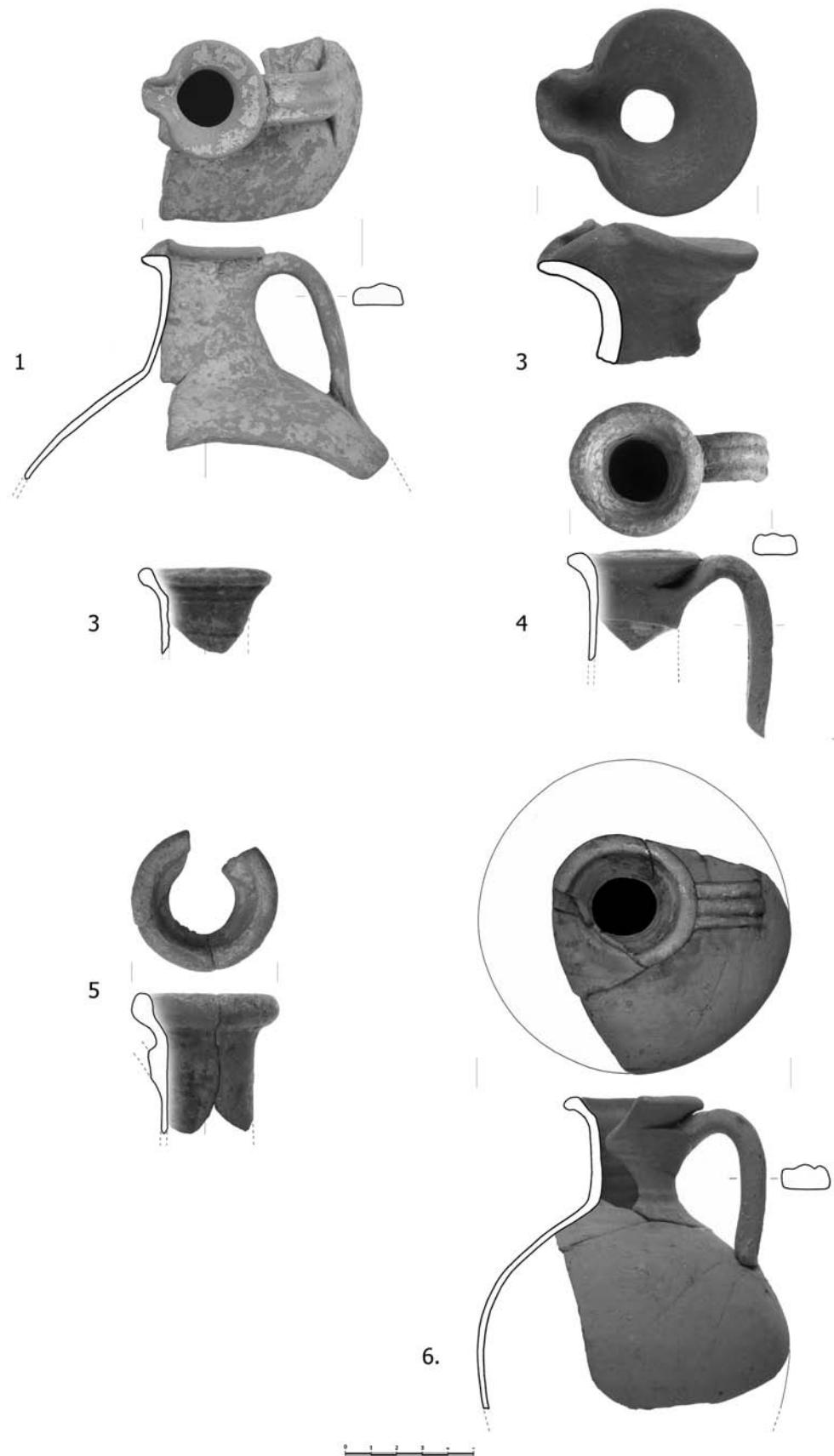
### Description of fabric:

- F1** - The fabric of clay is very soft with small traces of inclusions visible by eye, shades of light red or reddish yellow.
- F2** – The clay is hard, red with no or very small inclusions, the surface is smooth.
- F3** – The clay is red, hard, inclusions are not visible by eye and the surface is a bit coarse.

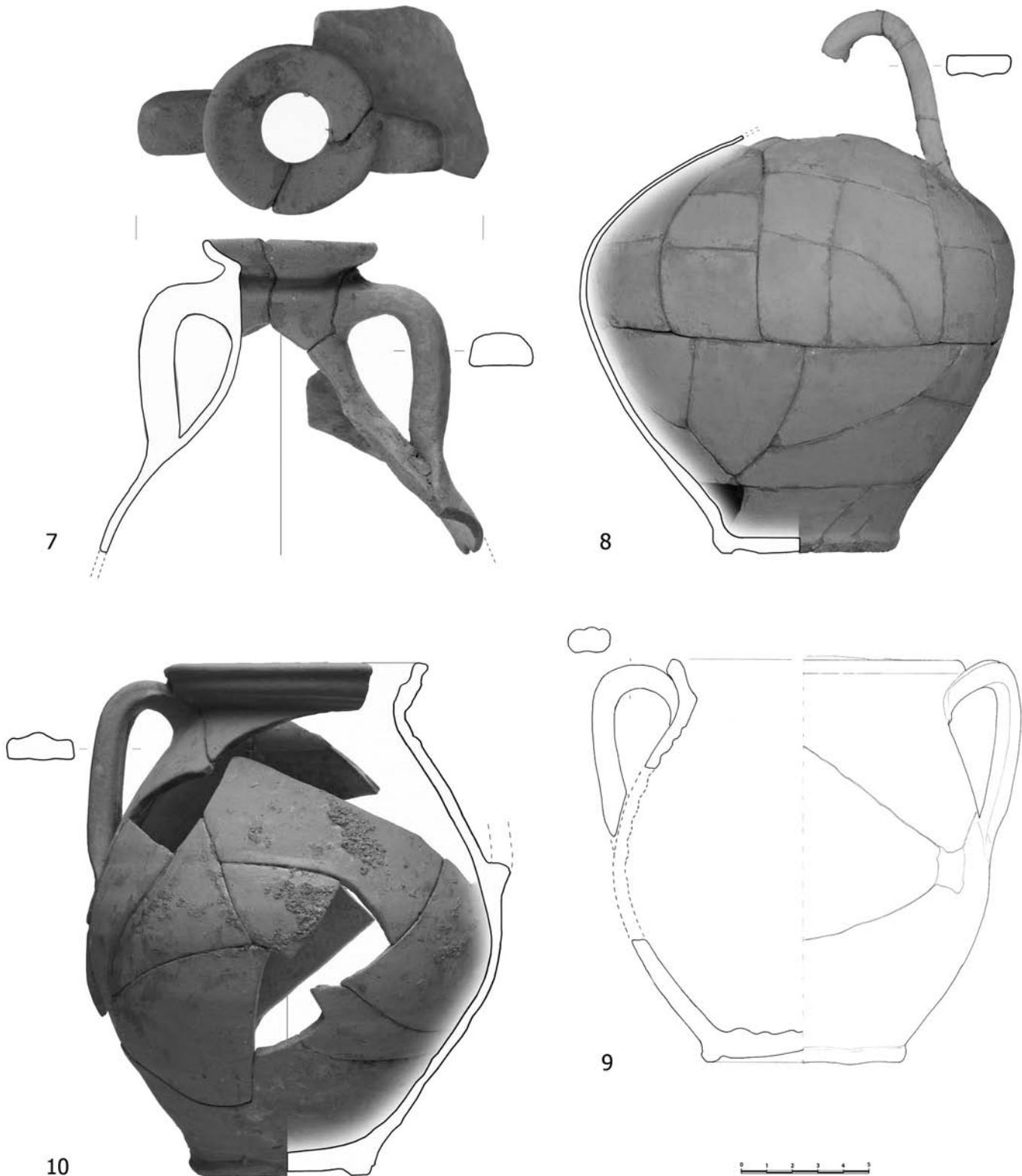
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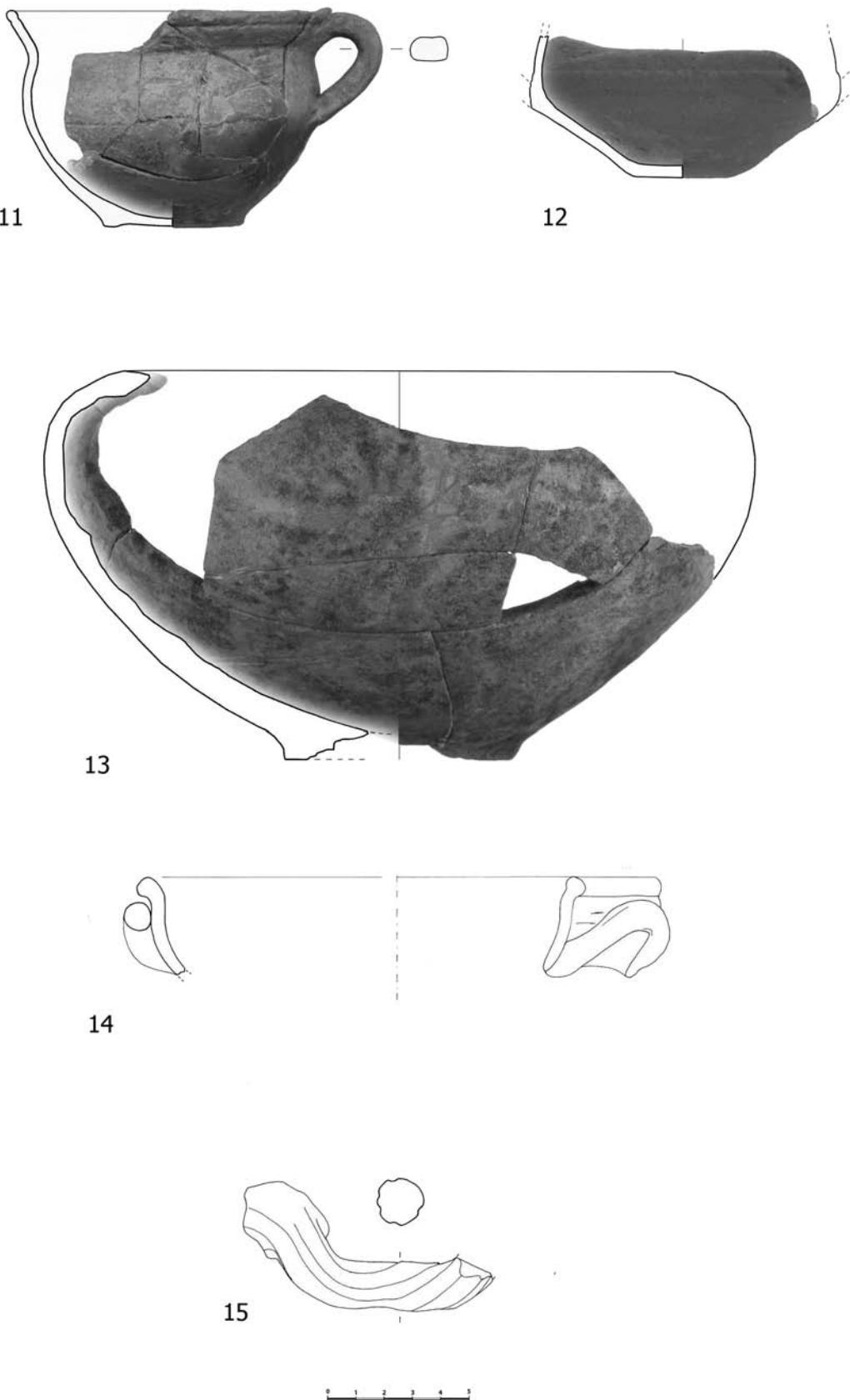
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**Figs. 1–6.** **1.** Jug, F1, 2.5 YR 6/8 light red, traces of grayish brown slip , opening:  $4,9 \times 4,6$  cm; **2.** mouth of larger jug, F1, 2.5 YR 5/8 light red, traces of grayish black greasy slip, opening  $9 \times 8,4$  cm; **3.** rim of flagon, F1, 2.5 YR 6/6 light red, traces of grayish black greasy slip, opening: 4,5 cm; **4.** rim of flagon, F1, 2.5 YR 6/6 light red, traces of grayish brown slip, opening: 5,3 cm; **5.** mouth of flagon, F1, 5 YR 6/8 reddish yellow, grayish black greasy slip, opening: 5,6 cm; **6.** part of flagon, F1, 5 YR 6/8 reddish yellow, opening: 5 cm, ds: 0,2 cm.



**Figs. 7–10.** **7.** Part of two-handled flagon, F 1, 5 YR 6/8 reddish yellow grayish black greasy slip, opening: 7,5 cm; **8.** body and handle of a narrow neck jug or flagon, F1, 2.5 YR 6/6 light red, opening: 5,4 cm; **9.** Two-handled jar , F1, 5 YR 5/8 yellowish red, inside GLEY 6/ gray, opening: 12 bottom: 8,5 cm; **10.** Jar of poor quality, F 1, 2.5 YR 5/8 red, traces of grayish brown slip, opening: 9 cm, bottom: 7,5 cm;



**Figs. 11–15.** **11.** Bowl, F 1, 5 YR 5/8 yellowish red, traces of grayish brown slip, opening: 11,5 cm, bottom: 5 cm; **12.** Small bowl, F 1, traces of grayish brown slip, bottom: 3,5 cm; **13.** Bowl with incurved rim, F 2, 2,5 YR 5/6 red, grayish black greasy slip, opening: 18 cm, bottom: 7,5 cm; **14.** Large bowl, F1, 5 YR 6/8 reddish yellow, very dark gray to brown slip, opening: 36 cm; **15.** Handle most probably of the bowl, F1, opening 5 YR 6/8 reddish yellow, very dark gray to traces of brown slip, diameter of handle: 1,6 cm.



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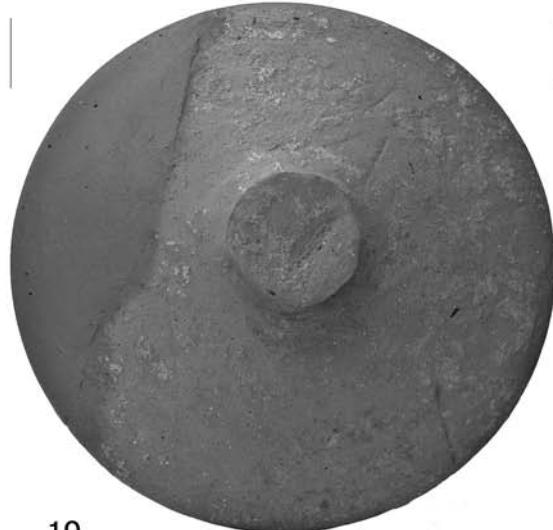


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**Figs. 16–18.** **16.** Wide-mouthed jar, F3, 2.5 YR 5/8 red, traces of greasy brownish gray slip, opening: 11.5 cm, bottom: 8 cm; **17.** Jar, F3, 2.5 YR 5/8 red, with greasy brownish gray slip, opening: 11.5 cm, bottom: 8 cm; **18.** Jar, F3, greasy brownish gray slip over the surface, opening: 11.5 cm, bottom 8 cm.



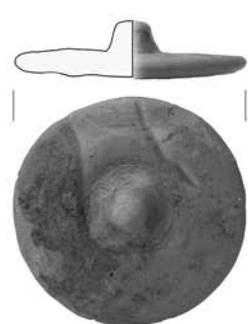
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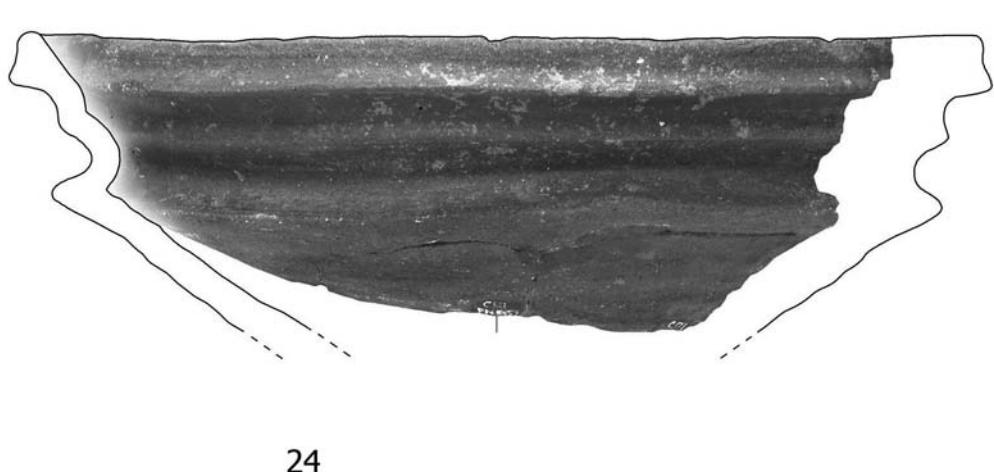
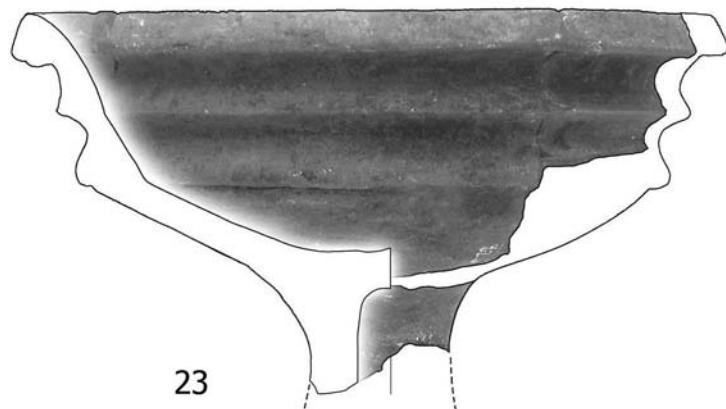


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**Figs. 19–22.** **19.** Lid with a button handle, F1, 5 YR 5/8 yellowish red, traces of grayish brown slip, bottom: 14,5 cm; **20.** Small lid with a conical handle, F1, 5 YR 5/8 yellowish red, traces of grayish brown slip, bottom: 5,1 cm; **21.** Small lid with a conical handle of poor making , F 1, 2,5 YR 5/6 red, greasy brownish gray slip, bottom: 3,5 cm; **22.** Small lid with a conical handle. F1, greasy brownish gray slip, 5 YR 5/8 yellowish red, bottom: 6,2 cm.



**Figs. 23–24.** **23.** Incense burner, F 2, 2.5 YR 5/6 red, greasy brownish gray slip, opening: 17 cm; **24.** Incense burner, F 2, 2.5 YR 6/6 light red, greasy brownish gray slip, opening: 36 cm.