

D Glossed pottery

Søren Handberg & Jane Hjarl Petersen

with contributions by Pia Guldager Bilde, Line M. Højberg Bjerg & Tatjana L. Samojlova

The present chapter presents the analysis of several groups of glossed pottery, roughly covering the period from late Archaic to late Hellenistic times.³¹¹ The chapter contains material which can be ascribed to glossed fineware productions from various production centres. There exist two rather different research traditions on glossed pottery within Western and Eastern scholarship. Since the present publication of the material from Sector NGS is a collaboration between Eastern and Western colleagues, it has been inevitable to accommodate both research traditions in this chapter. Thus, the interpretative text parts are presented by the individual authors, while the common catalogue is consecutively numbered and grouped according to vessel shapes. In the catalogue, each individual fragment has been marked with a prefix to state clearly its affiliation with the different glossed groups. Accordingly, the *black-glossed pottery* (marked **Da**), which is presented by J. Hjarl Petersen & S. Handberg, and the *West Slope decorated pottery* (marked **Db**), presented by L.M. Højberg Bjerg, are perceived as homogeneous shape dependent groups of pottery featuring a great variety of fabrics, types and decorative schemes. However, detailed analysis and interpretative considerations on the West Slope pottery have been singled out and given a separate text apart from the black-glossed pottery in order to accentuate the specific features of the group. The same concerns the contribution by P. Guldager Bilde on the wheelmade *bowls with horizontal fluting*, marked **Dd**. The analysis of *brown-glossed pottery*, marked **Dc** and presented by T.L. Samojlova, originates from the Russian and Ukrainian research tradition, which views particular shapes of glossed pottery as belonging to a specific separate pottery group (for further considerations on this group, see the contribution by T.L. Samojlova below).³¹²

³¹¹ The inking of the line drawings for Da, Db and Dd was done by Hans Joachim Frey.

³¹² Not all authors of the present chapter share the opinion of the “brown glossed group” as an isolated, distinct production which can be studied separately from black-glossed and West Slope pottery. As a result of the diverging research approaches, dates, typology and comparanda do not necessarily correspond between the black-glossed/West Slope and brown glossed groups.

Da Black-glossed pottery

Søren Handberg & Jane Hjarl Petersen

INTRODUCTION

The black-glossed pottery³¹³ from Sector NGS 1985-2004 comprises 472 catalogue entries from selected deposits as well as 162 fragments that have not been available for study (see catalogue below). The material roughly covers the period from the late 6th to the early 1st century BC.

Firstly, the different clay fabrics present in the material, as well as the premises on which the different ascription are based, will be presented. Secondly, the main observations and conclusions regarding the material will be presented in the synthesis section, followed by a more detailed commented catalogue. The catalogue is structured according to function-related shape groups,³¹⁴ thus following the order:

1. Drinking cups
2. Storage and serving vessels
3. Vessels for oil
4. Toilet vessels

The 472 catalogue entries mostly consist of diagnostic fragments and occasionally a rare complete or nearly complete vessel. A great deal of energy has been invested in refitting fragments, and fabric analyses have played a prominent role in this work, thus resulting in a higher confidence in the accuracy of each catalogue entry. However, any attempt at quantitative analysis is hampered by the selection strategies employed during the excavation (see p. 117) and by the fact that not all contexts from the habitation quarter have been included in this publication. Even more importantly, it must be stressed that most of the Archaic and Classical levels have not yet been excavated, since the primary focus of the excavation in Sector NGS was the Hellenistic houses, which covered the site. Moreover, a large amount of material has not been available for study in the store-rooms in Parutino.

Dates and chronology are primarily based on shape parallels from the Athenian Agora, where the most reliable deposits, and thus shape developments and chronologies, are available.³¹⁵ However, in acknowledgment of the fair distance from Athens to the Black Sea and in order not to underestimate other production centres, efforts have been made, where appropriate, to refer to parallels from other production centres both in the Mediterranean and within the Black Sea region where this has been possible.

³¹³ The definition of the term “glossed”, as opposed to “glazed”, is defined by Hayes (1984, 1). However, the distinction between glossed, slipped and glaze is uncertain. For a critique of Hayes’ definition, see Warner 1986. We are deeply grateful to the following scholars for useful critique and guidance: Susan Rotroff, Catherine Morgan, Kathleen Lynch, Andrea Berlin, Krzysztof Domżański, and Jean-Paul Morel.

³¹⁴ The placement of shapes in the different categories is based on the most commonly accepted function of the vessel shapes, primarily taken from Rotroff 1997a and Morgan 2004, 12-14. It must, however, be stressed that the use of a certain shape was probably rarely limited to a single function and we must consider multiple purposes for many of the vessel shapes included in the material, see, for example, Morgan 2004, 223; Vogeikoff-Brogan 2000, 296, n. 18.

³¹⁵ Sparkes & Talcott 1970; Rotroff 1997a.

FABRICS

The identification of various fabrics has been a major concern in the current study of the black-glossed pottery. The different fabrics have been divided into 10 fabric groups as presented in Table 1. The identification relies only on visual studies and the gloss has been taken into consideration in the ascription of several of the fabrics.³¹⁶

Fabric group	Description of clay
1	<i>Attic</i> Follows the general descriptions of Attic clay by Rotroff from the Athenian Agora (1997a, 10-11) and Sparkes & Talcott (1970, 14).
2	<i>Knidian(?)</i> Fabric: fine-grained, very compact, hard fired. Some to many tiny and very tiny lime particles. Few very tiny voids, occasionally a single golden mica particle. Ranges in colour from reddish-yellow 7.5YR 6/6 to greyish-brown 10YR 5/2. Gloss: semi-lustrous to dull, metallic, evenly applied, generally well preserved, ranges in colour from black 5Y 2.5/1 or dark-grey 5Y 4/1 to brown 7.5YR 5/2.
3	<i>Pergamene(?)</i> Fabric: medium amount of sand, relatively compact, hard fired, some small to medium-sized lime particles, occasionally a few small black particles, some to many very tiny light-reflecting particles. Varies in colour, mostly from light-red 2.5YR 6/6 to red 2.5YR 5/6 to yellowish-red 5YR 5/6. Gloss: dull to semi-lustrous, badly applied, unevenly fired often with stacking marks, flaked off in many places. Varies in colour from red 2.5YR 4/8 to dark-brown 7.5YR 3/2 to yellowish-brown 10YR 5/4-5/6 to black.
4	<i>Production place?</i> Fabric: medium-grained, sandy, very compact, hard fired, single or few black particles, some very tiny to tiny lime particles, occasionally few light-reflecting particles, some larger voids. Primarily brown 7.5YR 5/4 to light-brown 7.5YR 6/4 but occasionally reddish-yellow 5YR 6/6. Gloss: predominantly lustrous, often very metallic, primarily black 5Y 2.5/1 with variations of reddish-brown 2.5YR 4/3 and dark reddish-grey 2.5YR 4/1. Evenly applied and predominantly evenly fired, tends to flake off.
5	<i>Production place?</i> Fabric: very many very tiny light-reflecting particles, sandy, granular, very tiny to medium-sized particles of lime. Reddish brown 5YR 5/3 and strong brown 7.5YR 5/6. Gloss: very metallic and varies in black, brown and olive-green shades, usually very well applied.

³¹⁶ For the visual identification a 14x magnifying glass was used and the pieces were examined in daylight conditions. The Munsell colour chart is used in all colour descriptions. The terms *single*, *few*, *some* and *many* are used to describe the amount of inclusions and as such only represent an arbitrary indication of the amounts of inclusions, which is only relative to the examined pieces. The absolute size of the inclusions have been divided into the following categories: *Very tiny* (0.06-0.125 mm), *tiny* (0.125-0.25 mm), *medium* (0.25-0.5 mm), *large* (0.5-1 mm) and *very large* (1-2 mm). In case of uncertainties in the identification of inclusions, broad terms such as “light-reflecting particles” have been preferred over, for example, “mica”. Furthermore, where we have been unable to ascribe pieces to a fabric group, we have grouped them under *other fabrics* in the catalogue and provided a more detailed description of the fabric.

6	<p><i>Local(?)</i></p> <p>Fabric: very micaceous, small mica particles. Often black inclusions, almost always containing tiny to medium-sized lime particles, thicker walled fragments often contain few medium-sized quartz particles. Larger vessels are often more coarse-grained and tend to have voids, tends to rub off, not very hard fired. Very pale-brown 10YR 7/4, reddish-yellow 5YR 7/6.</p> <p>Gloss: dull, often unevenly applied, often flaked off, very varied in colours from black, for example 5YR 2.5/1, over very dark-grey, for example 7.5YR 3/1 to brown, for example 10YR 4/3, and occasionally red, for example 10R 4/8.</p>
7	<p><i>Local/regional(?)</i></p> <p>Fabric: coarse-grained, some tiny mica particles, some medium-sized lime particles, some medium-sized black particles, hard fired and compact, occasionally larger voids, yellowish red 5YR 5/6-5/8. Misfires to a grey core, dark-grey 5YR 4/1.</p> <p>Gloss: slightly lustrous, unevenly applied and unevenly fired, tends to flake off heavily, varies in colour from black 5YR 2.5/1 to dark reddish-brown 5YR 3/2 to yellowish-red 5YR 4/6.</p>
8 (only West Slope)	<p><i>Local/regional(?)</i></p> <p>Fabric: few small mica particles, often black inclusions; always contains tiny to large-sized lime particles, small and medium-sized quartz particles. The vessels tend to have voids; they do not rub off, not very hard fired. Red 2.5YR 5/8.</p> <p>Gloss: dull unevenly applied, often flaked off in small flakes, on ext. red 10R 4/8, int. from black 5YR 2.5/1 to dark reddish-brown 5YR 2.5/2.</p>
9	<p><i>Campanian</i></p> <p>Fabric: generally pure and hard fired with a fair amount of tiny and small voids. A few pieces contain very tiny light-reflecting and lime particles. A single fragment (Da-570) contains a larger black volcanic(?) inclusion. The predominant colour of the clay is reddish yellow 5YR 5/6 to 5YR 6/6 but shades of brown, 7.5YR 5/4, do occur.</p> <p>Gloss: the gloss is mostly lustrous and has a metallic sheen, although some dull patches can occur. A characteristic feature on most of the fragments is a misfiring that has created “ghosts” on different parts of the vessels. The colour is heterogeneous and ranges from black 5Y 2.5/2 over dark-brown 7.5YR 3/2 to red 2.5YR 5/6, often with a lighter tone of colour in the tondo.</p>
10	<p><i>Rhodian/Asia Minor(?) Hellenistic Colour-Coated Ware A</i></p> <p>Fabric: some tiny mica particles, often black inclusions, contains some tiny to medium-sized lime particles, hard fired. Very pale-brown 10YR 7/4 to reddish yellow 5YR 7/6.</p> <p>Gloss: dull, occasionally unevenly applied, often flaked off, varies in colours from black, for example 5YR 2.5/1, over very dark-grey, for example 7.5YR 3/1 to brown, for example 10YR 4/3.</p>

Tabel 1. Description of different fabric groups within the black-glossed pottery from Sector NGS.

PRODUCTION CENTRES

While the Attic origin of the pieces ascribed to Fabric group 1 is fairly straightforward, relying on the well-described analogues from Athens, the suggested production centres of Fabric groups 2, 3, 6, 9 and 10 deserve a few clarifying comments. The fabric of Fabric group 2 has been identified tentatively as Knidian by comparisons with general clay descriptions by Mandel, Kögler & Dotterweich³¹⁷ and Kendrick.³¹⁸ Due to some variation within the group, not all fragments ascribed to this group will necessarily have come from Knidos, but the majority of the characteristics have strong analogies in known Knidian fabric. The same considerations can be applied to Fabric group 3, which is tentatively suggested as Pergamene. This has been concluded on the basis of comparison with West Slope fabric of presumed

³¹⁷ Mandel, Kögler & Dotterweich 1996, 61.

³¹⁸ Kendrick 1985, 58.

Pergamene origin as well as with general fabric descriptions by Schäfer³¹⁹ and Berlin.³²⁰ However, there are also fragments within this Fabric group which date outside the chronological timeframe of the known (black-) glossed production of Pergamon, which can at the earliest be ascribed to around the middle of the 3rd century BC, and therefore can hardly be of certain Pergamene origin.³²¹ Perhaps one may suggest a broader northwestern Anatolian or Ionian provenance for such fabrics. Fabrics of similar description have been identified at, for example, Sardis, Ephesos and Troy, where they are considered local or Ionian products.³²²

Fabric group 9 has been identified as Campanian on the basis of its close resemblance to fabric descriptions provided by Picon, Vichy & Chapotat for this production.³²³ Moreover, the particular stamped tulip-shaped palmettes on **Da-575-Da-578** undoubtedly find their closest analogies within the Campanian series. (See also catalogue text pp. 248-249) Campanian pottery has largely been overlooked in publications of Black Sea sites and the assemblage from NGS constitutes the largest published collection to date.³²⁴ We shall return to a more detailed analysis of this group later.

Lately, the importance of Thasian black-glossed pottery in the Pontic region has been noted by several scholars, most recently by Morgan in dealing with the Attic pottery from Phanagoria on the Taman Peninsula. However, even though Thasian amphoras are amply represented (Lawall et al. in this vol. pp. 361, 376, 384, 396), it has not been possible to identify any such Thasian tableware imports in the NGS material.³²⁵

The two Fabric groups 6 and 7 have tentatively been assigned to a local or perhaps regional production.³²⁶ Fabric group 6 is based on the fabric of the measuring jug **Da-350**. The fabric is also attested in numerous local lamps (Højte in this vol. p. 431), as well as in a number of the bowls with horizontal fluting (**Dd-579-Dd-584**), presumed to be local and dated prior to ca. 140 BC. The fabric somewhat resembles the Hellenistic Colour-Coated Ware A (Fabric group 10), but is less hard fired, with a soapy or smouldering, slightly dusty texture. The gloss tends to be weak in colour and often flakes off. The Fabric group is predominant amongst the material of the 3rd and 2nd century, notably two-handled cups, plates, bowls and jugs.

The identification of Fabric group 7 is primarily based on four kantharos fragments (**Da-190-Da-193**, which are very homogeneous in terms of clay and have a distinct shape. What characterises this particular kantharos shape is the tall stem, a very high and straight upper body and a distinctive broad ledge at the junction between the body and stem. It occurs at many sites in the northwestern part of the Black Sea region. Its distribution seems confined to an area stretching from the Bulgarian coast across Romania to Olbia, Chersonesos, with a single find at Myrmekion on the eastern Crimean coast as well as at Gorgippia on the Taman Peninsula.³²⁷ Several examples have been found in Olbia, including one from the necropolis.³²⁸ Already in 1940, Levi wrote that the type was typical for Olbia and included it in her description of the local Olbian pottery.³²⁹ Further examples which could have come from Olbia are now in Köln³³⁰ and one was formerly in the Vogell Collection.³³¹ There is also an unpublished example from the

³¹⁹ Schäfer 1968, 32-33.

³²⁰ Berlin 1999, 86.

³²¹ Berlin 1999, 86; see also Berlin & Lynch 2002, 169.

³²² Berlin & Lynch 2002; Rotroff & Oliver Jr. 2003, 19; Kerschner, Kowalleck & Steskal 2008, 91-92.

³²³ Picon, Vichy & Chapotat 1971, 82-88. The fabric of the Campanian pottery from the Temple of Castor and Pollux in the Forum Romanum has also been examined personally for comparison. We are grateful to Karen Slej, for allowing us to examine the pottery. See Slej 1991 for a preliminary publication of this material. For a more detailed account, see Slej & Cullhed 2008).

³²⁴ For a preliminary assessment of this group, see Petersen & Handberg 2006; also Lungu 2009.

³²⁵ For the production of glossed pottery on Thasos in the Archaic through to Hellenistic times, see Ghali-Kahil 1960, 51-72; Blondé 1985; Blondé, Muller & Mulliez, 1989, 506-545; Picon 1989; Blondé & Picon 1999. For trade relations between the northern Aegean and the Pontic region, with particular emphasis on the Thasian glossed pottery, see Tiverios 1989; Perreault 1999, 256, n. 8; Morgan 2004, 11, 158.

³²⁶ The groups contain the following catalogue numbers. Fabric group 6: **Da-118, Da-221, Da-226, Da-227, Da-339-Da-341, Da-350, Da-400, Da-444, Da-453, Da-455, Da-456, Da-459, Da-470, Da-485, Da-500, Da-524-Da-526, Da-532, Da-536, Da-540, Da-546, Da-557, Da-558, Da-628, Da-651, Da-704**. Fabric group 7: **Da-190-Da-193, Da-409, Da-537, Da-627**.

³²⁷ Bulgaria and Romania: Bozkova 1997, 11; Chersonesos: Carter et al. 2000, 729; Myrmekion: Sztetylko 1976, fig. 75, 82; Gorgippia: Kruglikova 1962, fig. 2.

³²⁸ Parovič-Pešikan 1974, 78, fig. 75.6.

³²⁹ Levi 1940, 160, pl. 38.5 (type 46).

³³⁰ Berger 1993, abb. 92, 279-280.

³³¹ Boehlau 1908, taf. VI, no. 35.

1909-1911 excavations in Olbia.³³² A typological development of this kantharos type may be attested in the find of a kantharos with similar characteristics but a squatter body and a different gloss found in the Olbian Agora.³³³ Somewhat similar kantharoi were excavated from within a kiln in Istros³³⁴ and two examples were found associated with a pottery workshop in Gorgippia and are therefore considered local products of these two areas.³³⁵ In general, the pieces from the sites of the western Black Sea region appear to be of better quality gloss, thinner walls and more delicately potted than the examples from Olbia. The numerous finds of cruder versions from Olbia suggest a local production here that follows the overall manufacture of this particular kantharos type in the western and northwestern part of the Black Sea region.

Fabric group 10 has been identified on the basis of the description given by Domžalski.³³⁶ In the NGS material, the group is constituted of seven plates mainly dating to the 2nd century BC (Da-401, Da-403-Da-407 and Da-410). A particularly deep skyphos with pinched double-loop handles is the most distinctive shape within the Hellenistic Colour-Coated Ware A group. Possible examples of such skyphoi are Da-228 and Da-229, which, however, divert slightly from the typical Hellenistic Colour-Coated Ware A fabric.³³⁷ Until recently Hellenistic Colour-Coated Ware A has not been very well recognized, but it seems to form a substantial pottery group in the Hellenistic period in the Pontic region.³³⁸ The characteristic features are the light-coloured clay, a reserved foot or lower part and a heavy bevelled foot. The type was already recognized in Olbia by Levi in 1964.³³⁹ She referred to the type as “brown-glossed plates” and suggested a Rhodian origin.³⁴⁰ A Rhodian or southwestern Asia Minor production has been confirmed in the most recent publications as well as by archaeometric analyses.³⁴¹

SYNTHESIS

The following sections consider the black-glossed pottery according to the general phasing of Sector NGS (see p. 118). All fragments discussed in the synthesis section are grouped according to their latest possible dating.

The following table presents an overview of the total number of black-glossed catalogue entries grouped according to periods.

³³² Institute for the History of Material Culture, St Petersburg. Photo archive, neg. III 3426, no. 156.

³³³ Slavin 1964, 221, fig. 23.3.

³³⁴ Coja & Dupont 1979, 45, nos. 12-13.

³³⁵ Coja & Dupont 1979, 80; Kruglikova 1962.

³³⁶ Domžalski 2007, 167-168.

³³⁷ No other Hellenistic Colour-Coated Ware A skyphoi are included in the selected context material from Sector NGS, but they are present in other NGS assemblages, as well as in the material from the Olbian Agora (Levi 1964b, 256, fig. 18-2-3).

³³⁸ For the most recent discussion, see Domžalski 2007 (with extensive bibliography).

³³⁹ Levi 1964b.

³⁴⁰ Levi 1964b, 253, fig. 15. For a further plate, see Levi 1964b, 169, fig. 40.2-3. However, it seems that the ware was produced in at least two different clays, since a brown clayed version also exists (Pulak-Townsend 1987, 46; Młynarczyk 2002, 123).

³⁴¹ Domžalski 2007, 172.

Period 1 (late Archaic period)	Da 1-13, 21, 25-29, 198, 320, 344-347, 378-387, 585, 632-634
Period 2 (5th and 4th century BC)	Da-14-20, 22-24, 30-74, 189, 199-206, 211-220, 365, 367, 377, 388, 480-484, 486, 502-506, 547-551, 586-591, 602, 603, 607-611, 635, 636, 658
Period 3 (very late 4th to mid-3rd century BC)	Da-75-95, 104-107, 115, 117, 126, 130-135, 184, 207-210, 336-338, 389-398, 431-441, 443, 444, 470, 485, 487-494, 507-538, 552-558, 592-601, 604, 617, 623-627, 660, 706-709, 711
Period 4 (second half of the 3rd century BC)	Da-123-125, 185, 194-196, 339, 348, 350, 366, 399, 400, 401, 442, 445-458, 495-498, 539-542, 628, 659
Period 5 (2nd century BC)	Da-221-226, 228-230, 340-343, 402-407, 471-479, 499-501, 543, 544, 559, 570-578, 612-616, 618, 705
Period 6 (late 2nd to 1st century BC)	Da 227, 408-410, 459, 460, 545, 546, 560, 647
Not datable	Da-116, 118-122, 186-188, 190-193, 321, 322, 349, 411, 619, 620, 637-646, 648-657, 661-714

Tabel 2. Black-glossed pottery according to periods.

PERIOD 1. THE LATE ARCHAIC PERIOD

The shape repertoire of the 6th century black-glossed pottery is limited to relatively few shapes and comprises 39 catalogued pieces. This low number cannot only be explained by a limited import; it is most likely also a result of the subsequent building activity in the area, as well as the selective sampling of the NGS data mentioned above. The material mainly dates to the last third of the 6th century BC. The two major shape groups are type C drinking cups and light-walled cup-skyphoi, as well as small stemmed dishes. Furthermore, there are three lekanides pieces and only one piece from a larger vessel shape, an amphora. Related pouring shapes are represented by olpai and mainly date to the early part of the 5th century BC. The popularity of the type C cups in this period is also attested by the finds from the necropolis where this shape is preferred over, for instance, the early cup-skyphoi.³⁴² In general, the black-glossed pottery of the necropolis confirms the picture of shapes in the NGS material, since black-glossed pottery in the burials is mainly confined to drinking cups and a few olpai and lekanides.³⁴³ However, the black figured pottery from the necropolis exhibits more diversity of shapes, thus offering a larger number of pouring vessels such as jugs and olpai, storage vessels such as amphoras and serving vessels such as craters, as well as a markedly high number of lekythoi, most probably for oil-related funerary purposes.³⁴⁴ The black figured pottery from Sector NGS seems to share similar shape distributions (Nazarčuk in this vol. pp. 167-169).

The majority of the NGS pieces in this period are Attic imports but other fabrics from unidentified production centres are also present in the material. For the type C cups the piece belonging to “other fabrics” Da-8 imitates the earliest Attic pieces dating to ca. 525-500 BC.³⁴⁵ The same is true for the stemmed dishes where the earliest piece of unknown provenance is contemporary with the earliest Attic piece. However, this picture is not consistent with the other shapes of the period, since the earliest pieces among both cup-skyphoi and lekanides come from unknown production centres while the Attic imports are of later dates.

In general, the material of Period 1 is quite scattered across the context assemblages and it is rare to find more than two pieces in the same assemblage. However, Context 236 (Houseblock V), interpreted as a fill under an Archaic stove, seems to offer a rather consistent picture with four pieces (two type C cups, one light-walled skyphos and a lekanis) found amongst other late Archaic material, such as a north Ionian transport amphora of ca. 500 BC and a lamp dating ca. 525-475 BC.

³⁴² Skudnova 1988.

³⁴³ Skudnova 1988.

³⁴⁴ Skudnova 1988.

³⁴⁵ Another early local imitation of the Attic type C cup is known from Hermonassa on the Taman' Peninsula (Gajdukevič 1959b, 174, n. 88, fig. 43.1, burial 14; see also Morgan 2004, 227).

PERIOD 2. THE 5TH AND 4TH CENTURY BC

Period 2 sees a marked rise in the quantity of black-glossed pottery, with 109 catalogued pieces. In the shape repertoire, the drinking cups are still dominant, but, while the type C cups and skyphoi are confined to the first half of the 5th century, the stemless cups and the cup-skyphoi with light wall run throughout the century. From the last third towards the end of the 5th century BC, new types, such as bolsal cups and one-handlers, begin to appear. Smaller bowls and salt-cellars begin to occur, as well as oil-related shapes such as the amphoriskos, lekythos and askos. However, particularly in a settlement context, one should be cautious in assuming too narrow a perception of the function of these “oil-related” shapes, since many of them probably served multiple purposes within the household.³⁴⁶ Concerning the variety of shape groups, the total absence of larger shapes such as amphoras and hydriai should be noted, as well as the very low number of kraters – only two belong to the 5th century BC.

In general, it seems that all the shapes which are represented in the NGS material find close analogies in the necropolis material from the same period.³⁴⁷

In contrast to the previous period, the pottery of the 5th century BC is markedly more diverse in fabrics. Although the majority still comes from Attic workshops, pieces from Fabric groups 2, 3 and 4 appear, as well as a number of fabrics not ascribed to any of the a fabric groups mentioned above.

The 5th century BC also sees the introduction of incised and stamped decoration, the earliest example of which is a stemless cup (Da-66) dated to the second quarter of the century. Decoration on the cup-skyphoi can be seen from around 440 BC onwards (Da-30) and by the end of the century it is found on the bolsal cups, although not much decoration is preserved.³⁴⁸

Morgan has recently shown that the largest amount of Attic imports to Phanagoria occurred in the late Archaic period, which, as she remarks, is a general phenomenon at Mediterranean and Black Sea sites. However, at Phanagoria there is a marked decrease in imports in the early Classical period until around 420 BC when there is again a rise.³⁴⁹ This distribution seems different for Olbia, where there is as much early Classical material as late Archaic but with a drop in imports after around 425 BC. However, taking the previously mentioned selective character of the material and the ratio of excavated Archaic levels compared to those of the Classical period, this distribution pattern could change with future excavations of the lower strata.

There is a slight decrease in the amount of pottery in the 4th century BC (40 of the 109 pieces of the period belong here). The cup-skyphoi with light walls continue from the 5th century into the first quarter of the 4th and there is a marked increase in the number of fragments with heavy walls, which all belong to the early part of the century. Both the bolsal and the salt-cellars continue and the one-handlers become increasingly popular. The lekythoi are completely absent in the NGS material in this century and the unguentaria, which might be seen as a substitute, only appear in the last quarter of the century. By the middle, and particularly the last quarter of the century, plates, fish-plates and echinus bowls are introduced. By the third quarter of the century, the Classical kantharos is introduced. Most numerous in this period are the cup-kantharoi with plain rims, and only one piece with a moulded rim has been identified (Da-130). This shape pattern corresponds quite accurately with Panskoe I,³⁵⁰ as well as with that observed at several sites in the lower Dnieper region.³⁵¹

The 4th century BC is also the period when the material becomes much more diverse with regard to fabric. All fabric groups from 1 to 7 are represented in this century, although Fabric group 2 is only represented by one piece, a skyphos dated sometime around the end of the century but difficult to date with precision.

Rouletting becomes increasingly popular during this century and is used on cups, plates and bowls.

Similarly to the previous period, the material of Period 2 is quite scattered across the context assemblages and it is rare to find more than three pieces in the same assemblage. However, Context 123, (House III-3, Room 359), features a fairly homogeneous material assemblage of the late 5th-early 4th century BC, consisting of a black-glossed mug, a stemless cup and three heavy-walled skyphoi. They are found together with both black and red figure pottery of a contemporary

³⁴⁶ Shear 1993; Morgan 2004, 12-15.

³⁴⁷ Kozub 1974, 41-69.

³⁴⁸ See the commentary to the catalogue on page 206.

³⁴⁹ Morgan 2004, 155-156.

³⁵⁰ Hannestad, Stolba & Hastrup 2002, 127-130.

³⁵¹ Bylkova 2005, 217-247; Bylkova 2007, 61-64, 83, pl. 41, 48, 50-52.

period, as well as a coin dated to the late 5th century BC. On a general note, the black-glossed vessels are often found in the context assemblages in clusters of the same shape type, examples of this phenomenon being Context 225 (House IV-4, Basement 353) with three type C cups, Context 238 (Houseblock V, Earth-dwelling 445) with two bolsals and a stemless cup, Context 243 (House VI-1, Basement 479) with two stemless cups and one light-walled skyphos, Context 290 (House VI-3, Basement 474) with three light-walled skyphoi.

PERIOD 3. VERY LATE 4TH TO MID-3RD CENTURY BC

The material from Sector NGS is most numerous in Period 3, with 137 catalogue entries datable to this period. Many new shapes appear in this period and the shape repertoire is thus more varied than previously. The number of Classical kantharoi increases dramatically in the first quarter of the 3rd century BC and examples with ribbings on the body occur for the first time along with the related calyx cups (Da-194-Da-196), a shape not very common in the Black Sea region.³⁵² After the almost complete disappearance of the skyphos in the 4th century, the shape is well represented in the first quarter of the 3rd century BC. In contrast to the previous century when cups were more abundant, serving vessels become dominant in this period. However, there are still numerous cups in the West Slope style. The overwhelming majority consists of fish-plates and echinus bowls, as well as various other bowls. Similar to the picture in the 4th century, there is a marked diversity in the clay fabrics. Most noteworthy are the fish-plates of which only two out of the 14 pieces are of Attic manufacture, both dating to the late 4th or early 3rd century BC. The predominance of fabrics other than Attic is also apparent in the echinus bowls, of which only 12 out of 32 are Attic, with only one datable before the middle of the 3rd century and the remainder not datable later than the first quarter of the 3rd century BC. In general, the non-Attic fabrics outnumber the Attic imports, although most of the Classical-type kantharoi are still Attic.³⁵³

Stamped decoration becomes less frequent and rouletting is the preferred type of decoration. Two stamped leaf motives, one on a plate (Da-399) the other on an echinus bowl (Da-539) are of particular interest, since a very similar motive was found in a cistern in Chersonesos that can be dated fairly accurately to the period between the end of the first quarter and the middle of the last quarter of the 3rd century BC.³⁵⁴

The context assemblages of Period 3 share the same characteristics as those of the previous periods, although more numerous clusters appear, such as Context 10 (House II-3, Basement 89). Here, 12 black-glossed fragments from Period 3 (as well as four intrusive fragments from Periods 2 and 4) were found together with a Thasian transport amphora, a lamp, dolphin coins, red figure pottery, some terracottas and other objects. The black-glossed assemblage consisted of three plain Classical kantharoi, a presumed bowl-kantharos, two fish-plates, two echinus bowls, two footed salt-cellars, one chous and one lekythos. The intrusive fragments from Period 2 were from two light-walled cup-skyphoi, while the later fragments from Period 4 were from a chous and a fish plate. Again, there seems to be a clear deposition pattern in the coupling of two or more vessels of the same shape type within the overall typical household assemblage of drinking, serving and storage vessels. Taking this analysis a step further and including the fabric groups, leaves us with a rather inconsistent picture: we might expect the coupling of vessels to be reflected in the fabrics, but both similar and different production centres are represented in the same clusters. Thus the echinus bowls both belong to Fabric group 4, while the kantharoi are Attic and from other fabrics, and the fish-plates are both Fabric group 5 and 6.

PERIOD 4. SECOND HALF OF THE 3RD CENTURY BC

In general, there seems to be a decline in material related to Period 4 amongst the black-glossed pottery. Only 39 pieces are catalogued from this period. There are very few drinking cups, although the Hellenistic baggy kantharos is present, and in the last quarter of the century the previously mentioned kantharos type of northwestern Pontic origin appears, dating roughly to the period 220-140 BC (see catalogue text, p. 210, 218), hence overlapping between this period and

³⁵² See Morgan 2004, 161, n. 33.

³⁵³ The presence of various different fabrics is also underlined by Carter et al. (2000, 729) in their discussion of the black-glossed pottery from Farmhouse 151 near Chersonesos.

³⁵⁴ Zolotarev 2005, 198, fig. 7.3.

the next. There are several drinking cups from the West Slope group, mainly kantharoi, but also angular kantharoi and net-pattern cups (e.g. **Db-146-Db-147**, **Db-567-Db-569**).

The main shapes of the black-glossed pottery are fish-plates, echinus bowls and bowls with out-turned rims. The salt-cellar had disappeared by the middle of the 3rd century BC and was not found in Period 4. There is very little Attic import with the exception of two calyx cups (**Da-195** and **Da-196**, not in deposits) and a footed olpe (**Da-348**). Most numerous represented are Fabric groups 3 (Pergamene?), 4 and 6 (local?). Both production centres feature a variety of shapes, although the Hellenistic baggy kantharoi are confined to Fabric group 3 and a single specimen from an unidentified production centre.

The overall picture of the context assemblages of Period 4 is rather disappointing. The material is mainly scattered in single deposits and the few clusters of pieces belong to contexts with very wide date ranges, such as, for example, Context 219, (House IV-4, Basement 351), which features black-glossed pottery of the 5th century BC alongside amphoras, West Slope pottery and mouldmade bowls of the late 3rd and 2nd century BC.

PERIOD 5. THE 2ND CENTURY BC

The decline in the amount of material seems to continue in the 2nd century BC, with only 52 catalogued pieces from the entire century. Similarly to the previous period, drinking cups are few among the black-glossed pottery while the West Slope decorated group features both kantharoi as well as Hellenistic baggy kantharoi (e.g. **Db-142-Db-145**). The only black-glossed drinking cups of Period 2 are the so-called two-handle cups (**Da-221-Da-226**, **Da-228**) and one fragment of a mastos cup (**Da-230**). Further, four fragments of Hellenistic Colour-Coated Ware A skyphoi belong in this period.³⁵⁵ Apart from these, the repertoire consists mostly of plates with rolled rims, saucers and bowls, as well as three examples of filter jugs (**Da-340-Da-342**).

Most noticeable in this century is the lack of Attic imports right from the beginning of the century. Only four spouts from askoi or aryballoi could be identified as Attic – a picture confirmed in the West Slope pottery where only two baggy kantharoi are identified as Attic. The predominant fabric groups are 4, 6, 9 and 10, as well as a substantial amount from unidentified productions centres of “other fabrics”. In the main, the fabrics seem to group around certain shape types, for example Fabric group 10 is found in plates and skyphoi, all saucers except for two pieces are of Fabric group 4 and Fabric group 6 is found mainly in two-handled cups and filter jugs.

Decoration is almost entirely lacking in this period. The only extant decoration is a somewhat unusual use of rouletting on the exterior of **Da-405** as well as stamped decoration on seven imported Campana A fragments (**Da-570-Da-571**, **Da-574-Da-578**). This group of imported Campanian pottery consists of nine (**Da-570-Da-578**, possibly 10 (**Da-491**)) pieces, mostly plates and bowls, which all date to approximately the first three quarters of the century. It is likely that at least some of the Campana A bowls were produced on Sardinia (see below). Of particular interest is the fact that six of these Campanian imports (**Da-570-Da-571**, **Da-573**, **Da-575-Da-576** and **Da-491**) were found together in Context 106 in House III-3, Basement 368 along with a contemporary Italian amphora (**L-369**). In addition, a few contemporary Campanian amphoras are also present among the NGS material (**L-314-L-316**).

PERIOD 6. THE LATE 2ND TO 1ST CENTURY BC

When examining the material related to the period post-130 BC, as a whole the picture does not differ markedly from the observations of the previous period. Again it is plates and bowls that dominate the shape repertoire and drinking vessels are met mainly in the West Slope decorated group. Also from this group come the larger shapes, such as amphoras and kraters (e.g. **Db-324-Db-335**, **Db-368-Db-376**).

The latest examples of black-glossed pottery datable to the late 2nd to early 1st century BC are not very numerous, and, in particular, the period after 100 BC only offers one two-handled cup (**Da-227**), three plates with rolled rims (**Da-408-Da-410**), two fish-plates (**Da-459-Da-460**) and three bowls (**Da-545-Da-546** and **Da-560**). The pieces belong to Fabric

³⁵⁵ For further details on the Hellenistic Colour-Coated Ware A skyphoi see the catalogue below.

groups 2, 3, 6, 7 and 10, while two are ascribed to “other fabrics”. None of these 1st century BC pieces are decorated with stamped decoration and even rouletting is absent. The gloss is mainly applied by dipping, a technique also seen on some pieces from the previous century. A full black gloss is rarely found and the colour of many pieces moves towards the red spectrum, thus marking the transition from black to red as the preferred gloss colour (see also Krapivina in this vol. pp. 261-267).

The material is even more scattered in the context assemblages than the previous periods and only Contexts 102 and 106 from House III-3, Basement 368 offer relatively coherent assemblages of late Hellenistic glossed pottery in combination with fairly contemporary transport amphoras, mouldmade bowls and coins, as well as numerous other household vessels and objects.

Db West Slope pottery

Line M. Højberg Bjerg

INTRODUCTION

In Sector NGS some 90 fragments of West Slope pottery were found in deposits. They can roughly be divided into four periods: 300-250 (Period 3), 250-200 (Period 4), 200-130 (Period 5) and 130-110 BC (Period 6). The observations and conclusions on the types present and the decorative schemes within each period will be discussed below. For descriptions of the fabrics, see Table 1, which are also valid for the West Slope pottery. Fabric group 8 is almost exclusively known from the West Slope pottery. Only two fragments of undecorated black-glossed pottery are attributed to this fabric. Fabric 8 is exclusive to a kantharos shape with a straight wall and rim, and with a protruding ledge between the upper and lower body. The gloss of the West Slope pottery from Sector NGS ranges from black, sometimes with a metallic sheen, metallic grey to reddish and brown. The gloss sometimes appear mottled. The most popular West Slope decorations are ivy and olive garlands and the spearhead necklace.³⁵⁶

Most of the preserved West Slope fragments from NGS are quite small, with often only a small part of the rim of a piece preserved, but with the occasional half-preserved piece and just one, unfortunately not seen, completely preserved piece (Db-366). The 90 catalogue entries mainly consist of diagnostic fragments, but 18 catalogue entries are body fragments. Decorated pieces were more likely to be preserved during the excavation and subsequent selection of the material. The material has been studied with the aim of fitting together fragments of the same piece, in order to minimize the risk of fragments from the same piece being listed as separate examples. Quantitative analysis cannot be employed because of the selection process during excavation, as mentioned earlier in this chapter.

The study of West Slope pottery has developed immensely during the last 100 years, beginning with the now classic shape and attribution studies by Watzinger and by Thompson.³⁵⁷ From the 1990s the study of West Slope pottery has progressed from mere attribution studies to a focus on distribution, headed by Rotroff,³⁵⁸ to articles on the distribution of the West Slope shapes by Rotroff on the Athenian West Slope ware³⁵⁹ and Behr and Schäfer on the Pergamene material,³⁶⁰ giving us a much clearer idea of the production centres and their distribution areas.³⁶¹ Dates and chronology in the present chapter are primarily based on parallels from the Athenian Agora³⁶² and Pergamon,³⁶³ where the most reliable deposits and thus shape developments and chronologies are found. Parallels have also been sought in other production centres, when the evidence of the Attic and Pergamene centres was inadequate, just as local parallels in the Black Sea area have been sought.³⁶⁴

³⁵⁶ See, Rotroff 2004, 659.

³⁵⁷ Watzinger 1901, 50-102; Thompson 1934, 311-480.

³⁵⁸ Rotroff 1991, 59-102; 1997a.

³⁵⁹ Rotroff 2002; 2004; Rotroff & Oliver Jr. 2003.

³⁶⁰ Schäfer 1968; Behr 1988.

³⁶¹ Schäfer 1968, 45-63; Behr 1988, 97-178; Rotroff 1997a; 2002, 97-115; 2004.

³⁶² Rotroff 1997a.

³⁶³ Schäfer 1968; Behr 1988.

³⁶⁴ Lungu 2000-2001, 253-281.

PERIOD 3 (300-250 BC)

Most of the West Slope material, namely 33 pieces, could be ascribed this period. The large body of West Slope material, especially drinking cups, in particular Classical kantharoi, from this period corresponds to the general increase in number of Classical black-glossed kantharoi in the first quarter of the 3rd century as presented above. During this period ribbed black-glossed kantharoi became popular, just as ribbed West Slope kantharoi did (for example, **Db-108**). There is also one example of a calyx cup decorated in the West Slope style (**Db-197**), a rare shape in the Black Sea area, just as in the black-glossed pottery. The West Slope material from this period is mainly characterized by closed shapes, especially kantharoi, but other cup shapes are also seen, such as a skyphos, hemispherical cups (**Db-564**) and two gutti, for example (**Db-621**). There is also one example of an amphora (**Db-333**), which, unfortunately, was not seen and will, therefore, not be discussed here.

There is diversity in the fabrics used in this period, when Fabrics 1, 3, 4 and 5 are represented. The Attic fabric is only found in this period and is overall the best represented fabric in this period. However, as with the black-glossed pottery, examples of the non-Attic fabrics outnumber those of the Attic fabric in the 3rd century, with only 14 West Slope pieces in the Attic fabric. The second largest group is Fabric 4, with six pieces, and there are six pieces in Fabric 3 and one piece in Fabric 5. One piece with secondary burning can be dated to this period and can be four pieces that were not seen.

Just as is the case with the black-glossed pottery, the primary shape in this period is the Classical Athenian kantharos. The decorative schemes are closely related to the decoration known from Athens in the same period. The motifs are mainly vegetal garlands, mostly ivy and olive garland, but myrtle and grape vine also appear as do garlands of white teardrops. Geometric patterns, such as the concentric rectangle and chequerboard pattern, are also attested, whilst the favourite motif is the spearhead necklace. A marine motif is found with pairs of antithetical leaping dolphins. A few thumb rests featuring comic mask are dated to this period.

Attic West Slope pottery of the second quarter of the 3rd century has previously been found on the Black Sea coast.³⁶⁵ Moreover, there is also an example of a kantharos in Fabric group 5 (**Db-112**), which belongs to Bozkova's type II, a possible local Pontic kantharoi group, dating to the 3rd century BC. The Classical kantharos with West Slope decoration is present in the fill of a cistern in Chersonesos that is narrowly dated to the period between the first quarter and the middle of the last quarter of the 3rd century BC,³⁶⁶ and it is present in the Hellenistic necropolis in Olbia³⁶⁷ as well as in the monumental building U6 in Panskoe I.³⁶⁸

The fragments were found in Houseblocks II, III, IV, V and VI, though only one piece was located in Houseblock V in a late Hellenistic context, and the largest number of pieces, 11, was found in Houseblock VI, most in a mid-Hellenistic context, but two in an early Hellenistic context. Five pieces came from Houseblock III, one from an early Hellenistic context and four from a late Hellenistic context, and five pieces came from Houseblock IV, one from an early Hellenistic context and the remaining four from a late Hellenistic context. In Houseblock II, six pieces were found, one in an early Hellenistic context, four in a mid-Hellenistic context and the last one in the latest Hellenistic context.

PERIOD 4 (250-200 BC)

There is much less material, only 23 pieces, from this period compared with the preceding one. The shape repertoire is still characterized by drinking vessels, especially kantharoi, but new shapes also appear such as the concave bowl (**Db-562**) and net-pattern bowls, for example (**Db-567**). Unfortunately, the concave bowl has secondary burning and can offer no clues as to its fabric. Fragments of large serving vessels, krater/basin (**Db-371**), are also attested in this period for the first time. The kantharoi includes two new shapes: the baggy kantharos and the Hellenistic angular kantharos. Both shapes are seen in Athens from the middle of the 3rd century BC and become very popular in the second half of the century BC. They are also found in Pergamon and at other sites in the Black Sea region, such as Neapolis.³⁶⁹ The shape of the net-pattern cup is imitated from metal vessels, and it too debuts in Athens in the second half of the 3rd century BC.

³⁶⁵ Rotroff 2004, 658; see also Rotroff 1991, 69, 71, nos. 5, 21, 24, 25, fig. 5, pls. 15, 18, 19.

³⁶⁶ Zolotarev 2005, 196-199.

³⁶⁷ Parović-Pešikan 1974, 76, 78, figs. 74-75.

³⁶⁸ Hannestad, Stolba & Hastrup 2002, pls. 62-63, 70.

³⁶⁹ Zajcev 2005, 268, fig. 3.

The decorative motifs found in this period are the ivy garland, the not-so-common tainia garland, the spearhead necklace, dolphins(?), palmettes and petals. On the cup handles can be seen examples of comic masks, just as in the preceding period.

The fabric groups represented are Fabrics 3, 4, 5 and 6, with three pieces with secondary burning and two pieces not seen. Almost half of the pieces are in Fabric 3. Fabrics 4 and 5 are represented by four pieces, whilst Fabric 6 is only known from a single example. Fabric 6 is seen for the first time in this period. The pieces were found from all over Sector NGS, in Houseblocks I, II, III, IV, V and VI; though with a slight prevalence in Houseblocks II and IV. The largest sample was found in Houseblock IV, in deposits dated to the late Hellenistic period. In Houseblocks II and III an equal number of pieces, four, was found in deposits dated to the early, middle and late Hellenistic. In each of Houseblocks I and V only one piece was found, both in late Hellenistic contexts.

The parallels for this period are Attic and Pergamene. Attic imports of West Slope decrease everywhere after the middle of the 3rd century BC, according to Rotroff.³⁷⁰ Therefore, it is not surprising that there are none in Sector NGS in this period.

The kantharos goes out of fashion around the end of the 3rd century BC and about a generation later the krater also disappears.³⁷¹ The Pergamene market for West Slope included the Black Sea area.³⁷² Rotroff considers that production of West Slope was rare in the Black Sea region.³⁷³

PERIOD 5 (200-130 BC)

There is a clear decline in the amount of material in the 2nd century BC in comparison with the preceding century. Thus, 18 pieces can be dated to the period 200-130 BC. The shapes in this period are the kantharos, mastos, concave bowl, amphora and krater. The decorations are the spearhead necklace, garland of bows, white triangles, dot border, ivy garland and alternating flower and palmette. The fabric groups represented are Fabrics 3, 4, 5, 6, 7 and 8, and there are a few pieces that were not seen. This is the first period in which Fabric 8 appears. Fabric 3 is prevalent, with seven pieces, and there are four pieces in Fabric 4. The other fabrics are mostly represented by single pieces.

In contrast to the black-glossed pottery, there is an almost equal occurrence of drinking cups and amphoras in this period, and the period demonstrates a marked change from the preceding periods with their prevalence of drinking vessels. It is also interesting to note that Fabric 3 is the most frequently found fabric in this period, with seven attributed pieces. Fabric group 6 seems to have been used only for amphoras, whereas as the kantharoi are found in Fabric groups 3, 4 and 8. Bozkova mentions a Classical kantharos of possible Pontic origin from Olbia, which was found in a cistern with a coin of the first half of the second century.³⁷⁴ As with the black-glossed pottery, there is also one mastos from this period (Db-566); the piece is in Fabric group 4. There are no examples of jugs and only one plate (Db-412), a shape found in the black-glossed repertoire in Sector NGS in the 2nd century BC. Like the black-glossed pottery, there is a complete lack of Attic imports in this period, but, in contrast to the black-glossed pottery, this begins already in the middle of the 3rd century BC for the West Slope pottery. In the 2nd century BC, the predominant fabric groups of the black-glossed pottery are 2, 4 and 6, whereas they are 3, 6 and 4 for the West Slope pottery. A few pieces can be dated to between 200-175 BC; most date to the years 140-130 BC.

The West Slope material of this period is found in Houseblocks II, III, IV and VI. A slight majority was found in Houseblock IV, in deposits mostly dated to the late Hellenistic period. Four pieces were found in each of Houseblocks II and IV, mostly from late Hellenistic deposits. In Houseblock VI, three pieces were found in middle and late Hellenistic deposits.

The main shapes from the 2nd century BC onwards seem to have been amphoras and small shapes like gutti.³⁷⁵ The introduction of the West Slope amphora in Pergamon is dated by Behr to the late 2nd century BC,³⁷⁶ but Rotroff dates

³⁷⁰ Rotroff 2004, 659.

³⁷¹ Rotroff 2004, 660.

³⁷² Rotroff 2002, 97.

³⁷³ Rotroff 2002, 99.

³⁷⁴ Bozkova 1997, 11. See also, Levi 1964b, 246, fig. 7.2.

³⁷⁵ Rotroff 2004, 660.

³⁷⁶ Behr 1988, 170-171.

it to before 175 BC.³⁷⁷ There are no Attic West Slope amphoras in Sector NGS, there only seem to be Pergamene parallels. Dolphins are rarely seen after around 200 BC.³⁷⁸

PERIOD 6 (130-110 BC)

13 pieces were attributed this period. The shapes are a baggy kantharos, amphora, krater and a new shape, the lagynos. The decoration includes spearhead necklaces, rows of white dots, large ivy leaves, bands of triangles, dolphins, egg borders and palmettes. The fabrics groups are 3, 4, 5 and 6. Most of the pieces are either in Fabric 3 or 6, with four pieces of each. Fabric 4 is found in four examples and Fabric group 5 in two. In contrast to the black-glossed pottery, there are no Fabric group 2 pieces amongst the 2nd century BC West Slope material.

The pieces dated to this period are found in Houseblocks II, III, IV and VI. Almost all come from deposits dated to the latest Hellenistic period, with a single piece in Houseblock IV from a deposit dated to the early Hellenistic and one piece in Houseblock II from a deposit dated to the late Hellenistic. Bozkova's type III.I, which she considers to be from a local Olbian workshop (see below), is dated to the 2nd century BC, but is seen as late as the 1st century BC, based on the dating of an assemblage from a grave from Kabyle to the end of the 2nd or the beginning of the 1st century BC.³⁷⁹

According to Rotroff, West Slope experienced a revival in the last quarter of the 2nd century BC with the large ivy leaf and gaudy amphora groups (2004, 661). The latest West Slope pottery after the Sullan sack of Athens was a primarily red-fired ware; the most popular shape was the reversible lid (Rotroff 2004, 661), a shape not encountered in Sector NGS.

LOCAL PRODUCTION

There are only eight pieces in Fabric group 6: **Db-413** plate, **Db-330** amphora, **Db-334** amphora, **Db-170** kantharos, **Db-171** kantharos, **Db-331** amphora, **Db-332** amphora, 86-379 amphora, and one in Fabric group 7: 93-563 kantharos. Fabric groups 6 and 7 are tentatively attributed as local production in the black-glossed pottery and, since all of the above-mentioned pieces display late features in terms of decoration and shapes, and fall within the same chronological frame of 220-75 BC as the black-glossed pieces, Bozkova suggest a West Slope workshop in Olbia.³⁸⁰ In my opinion, Fabrics 6 and 7 should be considered local, along with Fabric 8, which could be an Olbian example of Bozkova's local Pontic kantharos type III.

³⁷⁷ Rotroff 2002, 100.

³⁷⁸ Rotroff 2004, 661.

³⁷⁹ Dimitrova 1971, 39, fig. 4, no. 3; Bozkova 1997, 12.

³⁸⁰ Bozkova 1997, 15.

Dc Brown-glossed pottery

Tat'jana L. Samojlova

Among the glossed pottery of the Hellenistic period from Olbia, a group of tableware covered with a brown gloss is encountered. There are no precise criteria for defining brown-glossed pottery, and in a number of significant publications, which consider large collections of pottery, the group of brown-glossed pottery is not at all singled out.³⁸¹ However, researchers who publish pottery from the ancient Pontic cities consider all glossed pottery from the 3rd to the 1st century BC as a particular and uniform group of tableware called brown-glossed pottery.³⁸²

The same type of pottery is also found at other ancient sites of the Black Sea coast and the Mediterranean. It constitutes a transitional group between the black-glossed vessels of the Classical and Hellenistic periods and the red-glossed pottery of the late Hellenistic and Roman periods. As is known, the colour of the gloss depends only on the presence or absence of oxygen and the temperature during the firing process; the structure of the gloss remains constant.³⁸³ Vessels dated to the 5th to 4th century BC with a gloss firing olive and even red are known, but they are, nevertheless, assigned to the category of black-glossed vessels. Already at the end of the 4th century BC, pottery could have a brown gloss, since not infrequently did black-glossed pottery feature colours other than black. In addition, there are examples having a combination of red and black gloss on the same vessel. In the 2nd century BC, a number of ancient pottery production centres started to make pottery glossed mainly in tones of red.

In the Hellenistic period, the quality of the black gloss changed considerably. It has almost always a metallic shine and, at the same time, there is not that smooth surface which is characteristic of the Classical black-glossed production. It becomes dull, and frequently it has no shine at all. The colour of the "brown gloss" is frequently not even brown: it can vary from blackish-grey, with or without a metallic shine, to red. On one and the same vessel a variety of shades can be found. This complicates the definition of the gloss colour of the vessel as a whole.

During the second half of the 3rd to the first half of the 1st century BC many shapes inherent in the earlier black-glossed vessel repertoire either disappear or change considerably, and new shapes appear, which we do not find in the previous black-glossed production. The shapes undergo further development as red-glossed pottery of the Roman period. Thus, the colour and other features of the gloss must be considered problematic identifiers of brown-glossed pottery.

In my opinion, a much better identification marker is the shape of the vessel, since there are shapes of the Hellenistic period which are not characteristic of earlier periods. At the same time vessels of a new shape sometimes have a black gloss alongside a gloss which can be determined as "brown". Thus, it follows that we may consider it a specific group of Hellenistic pottery, even though we cannot identify it on the basis of the colour of the gloss alone.

Among the shapes characteristic of the Hellenistic period, it is possible to identify late variants of kylikes with tulip-shaped bodies (or bowl-kantharoi) with Π-shaped handles rising above the rim. The gloss is brownish-red and dull, but sometimes also black. Schematic decorations of garlands and incised lines are frequent. Walls are thin. A significant role is played by kantharoi, the shape of which tends to be more elongated towards the turn of the eras. They have various gloss colours, although mainly in brown or black shades. Cup-kantharoi with narrow upper bodies and cups with spherical bodies are numerous as well. These shapes frequently have decoration in the form of very schematic garlands.

The group of cups is very diverse. They are sometimes called bowls. Vessels of this shape occur both with small horizontal handles of different shapes and also without handles. Rims can be vertical, out-turned or in-turned. Inside there

³⁸¹ For example, Rotroff 1997a.

³⁸² See Parovič-Pešikan 1974.

³⁸³ Tite, Bimson & Freestone 1982, 24; Bezrukov 1998.

are often concentric circles of rouletting, stamped palmettes and ivy leaves. The colour of the gloss also varies from shades of black to red.

As a whole, plates and dishes follow the earlier shapes, though in the 2nd to 1st century BC conical plates with rolled rims occupy a significant place within this category. The clay of these vessels is dense and light in colour with a small number of mica and lime inclusions. The gloss is brown with a metallic shine; inside there is a circle of red gloss and outside the gloss covers only the upper half of the vessel. Finds of plates of this shape with the characteristic clay and gloss are most numerous in Olbia, which allows us to assume that they were local products.

The largest category of other types of vessels with brown gloss is the jugs, both large and small. Some of them have handles decorated with conical projections at their upper attachment and round appliqués at their central part.

Dd Wheelmade bowls with horizontal fluting

Pia Guldager Bilde

This group consists of wheelmade bowls on either a small ring base (**Dd-581**) or on a flat base (**Dd-579**). Both types are decorated on the exterior with horizontal fluting covering most of the body from the base to more or less beneath the rim, which was grooved into the body of the vessel before it was coated. Though normally published in the context of mouldmade bowls, although they are not made in moulds, in the present chapter they are included among the glossed pottery, where they more logically belong. This type of vessel is quite common in Olbia³⁸⁴ and they are also found, for example, in Istros³⁸⁵ and Tomis.³⁸⁶ They appear in many different qualities, and they are in all likelihood of local manufacture. They are quite consistently found in the last layers predating the catastrophe of the 140s BC. This type of pottery comes in two different groups varying in fabrics as well as coats.

Group A: hard-fired, relatively fine and slightly micaceous fabric with some thin oblong voids covered with a slightly lustrous coat (**Dd-579-Dd-581** and a number of fragments out of context).

Group B: medium hard-fired, relatively fine, slightly micaceous fabric with few lime inclusions and many voids covered with a poorer, badly-adhering dull brownish or blackish coat (**Dd-582-Dd-584**).

There may be a slight chronological differentiation between the two groups, with Group A being the earliest (second quarter of the 2nd century BC?) and Group B slightly later (mid-2nd century or 140s BC?).

³⁸⁴ For example, Parovič-Pešikan 1974, 91, 94-95; Bouzek 1990, 74, no. 8, n. 46 with further references.

³⁸⁵ Domăneanu 2000, 4, série α Groupe 2, nos. 580-585.

³⁸⁶ Bucovaľ 1967, 122, fig. 79f.

Catalogue

The following catalogue is subdivided according to shape. Groups Db, Dc and Dd are discussed only in the corresponding main texts, while an introduction to the different shape groups presents a more detailed commentary on the black-glossed pottery, Da.

I. DRINKING VESSELS

KYLIKES

The earliest examples of black-glossed pottery from NGS are the kylikes, which are contemporary with the earlier types of skyphoi. The main group consists of the type C cups represented by 20 pieces and type B cups by two pieces. Two examples of the closely affiliated Vicup and Acrocup are also present.³⁸⁷ Most of the type C and type B pieces are rim fragments, which makes a narrow dating difficult, but the four feet, Da-1-Da-4 are clearly early and correspondingly date to the last quarter of the 6th century BC. The fact that Da-1 does not have a reserved torus edge makes it the earliest piece.³⁸⁸ About half of the type C cups can be dated to the first half of the 5th century BC, like the type B cup and affiliated cups.

The majority of the cups are Attic imports, but five pieces are of different fabrics. The Acrocup (Da-24) is possibly the latest piece in the series and should be dated to around the middle of the 5th century BC. The type C cups are common in the late Archaic graves and are well represented in the Western and Central Temenoi.³⁸⁹ They are also commonly found at the late Archaic settlements in the Olbian chora.³⁹⁰ The type C cup fragments from Sector NGS belong to the period of the early dug-out structures in the southern part of the area.³⁹¹ As in Athens, the type C cups were apparently also the preferred drinking cups used at public dining, as *πολεως* graffiti on cups found at the Olbian Gymnasium testifies.³⁹²

Type C cups

525-500 BC

Fabric group 1 / Attic

Da-1 95-281, V Stove 443/236. Pl. 98

Fr. of torus foot, pointed underside, low stem. H 3.1; Ø base 7. Milto on stem, reserved rest and underside.

Cf. Sparkes & Talcott 1970, no. 415.

Da-2 95-630, VI-2 B 410/258

Fr. of torus foot. H 2; Ø base 8.3. Traces of secondary burning on int.

Cf. Sparkes & Talcott 1970, no. 401.

Da-3 91-165, IV-2 B 307/169

Fr. of torus foot. H 2.2; Ø base 9.5. Red band, 10R 4/6, on stem, torus and rest reserved ext.

Cf. Sparkes & Talcott 1970, no. 401.

Da-4 91-142, IV-2 B 307/168

Two joining frs. of torus foot. H 1.1; Ø base 9.2. Torus edge and rest reserved.

Cf. Sparkes & Talcott 1970, no. 401.

Da-5 95-588, VI-2 B 455/257

Fr. of square handle. H 4.05. Reserved area between handle attachments.

Cf. Sparkes & Talcott 1970, nos. 398-399.

Da-6 95-369, V Earth-dwelling 445/240

Fr. of concave rim with slightly projecting lip. H 2.45; Ø rim 17. Scraped groove at junction between body and lip.

Cf. Sparkes & Talcott 1970, nos. 398-399.

Da-7 95-323, V Earth-dwelling 445/238

Two joining frs. of torus foot. H 2.3; Ø base 9. Two red bands, 10R 4/4, on stem, reserved band on lower edge of foot, reserved rest.

Cf. Sparkes & Talcott 1970, no. 398.

³⁸⁷ Sparkes & Talcott 1970, 91-94.

³⁸⁸ Sparkes & Talcott 1970, 91.

³⁸⁹ For the Archaic necropolis see Skudnova 1988. For type C cups from the Western Temenos, see Rusjaeva & Nazarčuk 2006a, 176, fig. 189.2. Central Temenos: Levi 1964b, 134-174. For figure-decorated kylikes, see also Gorbunova 1964b, 175-188.

³⁹⁰ For example, Luparevo 2 on the opposite side of the Bug river (Vinogradov & Marčenko 1986, 62, fig. 4.12); Bol'shaja Černomorka 2 (Kryžickij et al. 1989, 84, fig. 20); Adžigol 1: Bujskich 2005, fig. 8.5-7; Čertovatoe 7 (unpublished). In general the type C cup was one of the most widely exported Attic shapes (see also Morgan 2004, 206, n. 269).

³⁹¹ Three fragments, Da-6-Da-8 were found in dug-outs. The rest of the fragments were spread out across the area of Houseblocks IV-VI, underneath the walls of the later houses.

³⁹² For the public dining cups from the Gymnasium, see Vinogradov 1989, fig. 4.62. For demosion pottery from Athens, see Rotroff & Oakley 1992, fig. 21, 36-46.

Other fabrics

Da-8 95-370, V Earth-dwelling 445/240. Pl. 98

Fr. of concave rim and small part of body. H 3.35; Ø rim 18. Fabric: 5YR 6/6, few very tiny lime and light-reflecting particles. Gloss varies from 7.5YR 2.5/2 to 7.5YR 2.5/1.

Cf. Sparkes & Talcott 1970, nos. 398-399.

*525-480 BC***Fabric group 1 / Attic**

Da-9 96-413

Fr. of concave rim. H 2.8; Ø rim 11.

Cf. Sparkes & Talcott 1970, nos. 398-412.

Da-10 89-707, IV-1 B 257/156. Pl. 98

Fr. of concave rim. H 2.1; Ø rim 11. Graffito:]ΣΙΣ on rim ext.

Cf. Sparkes & Talcott 1970, no. 406, ca. 500 BC.

*500-480 BC***Fabric group 1 / Attic**

Da-11 95-201, VI-3 B 434/281

Fr. of offset rim with slightly projecting lip. H 2.8; Ø rim 12.

Cf. Sparkes & Talcott 1970, nos. 404-412.

Da-12 95-468, VI-2 B 410/258

Fr. of concave rim, sharp shoulder. H 2.95; Ø rim 16. Slightly worn on lip. Two repair holes, part of lead clamp.

Cf. Sparkes & Talcott 1970, nos. 404-412.

Other fabrics

Da-13 95-288, V Stove 443/236

Two joining handle frs. H 4.1. Fabric: 7.5YR 6/6, very few very small light-reflecting particles. Black gloss with faint green sheen. Reserved area between handle attachments.

Cf. Sparkes & Talcott 1970, nos. 404-412.

*500-450 BC***Fabric group 1 / Attic**

Da-14 95-660, V3I-3 B 434/283. Pl. 98

Four joining frs. of concave rim and body. H 3.7; Ø rim 19.

Cf. Sparkes & Talcott 1970, nos. 404-413.

Da-15 95-661, VI-3 B 434/283

Fr. of concave rim and upper body. H 3.2; Ø rim 21.

Cf. Sparkes & Talcott 1970, nos. 404-413.

Da-16 92-951, IV-3 B 343/213

Fr. of concave rim. H 2.9; Ø rim 17.

Cf. Sparkes & Talcott 1970, nos. 404-413.

Da-17 92-964, IV-4 B 353/225

Fr. of concave rim. H 2.9; Ø rim 18.

Cf. Sparkes & Talcott 1970, nos. 404-413.

Da-18 92-965, IV-4 B 353/225

Rim fr. with projecting lip. H 1.8; Ø rim 18. Reserved band on int. lip.

Cf. Sparkes & Talcott 1970, nos. 404-413.

Fabric group 3

Da-19 92-967, IV-4 B 353/225

Fr. of concave rim. H 2.8; Ø rim 18.

Cf. Sparkes & Talcott 1970, nos. 404-413.

Other fabrics

Da-20 92-950, IV-3 B 343/213

Fr. of concave rim. H 3; Ø rim 21. Fabric: 5YR 6/6, few tiny golden mica particles. Gloss varies from black to dark olive-grey, 5Y 3/2.

Cf. Sparkes & Talcott 1970, nos. 404-413.

Type B cups*500-480 BC***Fabric group 1 / Attic**

Da-21 94-736, VI-2 B 395a/266. Pl. 98

Fr. of lower body and conical foot. H 4.3. Stacking mark on int.

Cf. Sparkes & Talcott 1970, no. 432.

*Ca. 460 BC***Fabric group 4**

Da-22 93-829, IV-4 B 397/219. Pl. 98

Two joining frs. of a flaring conical foot. H 3.9; Ø base 8.

Close to Sparkes & Talcott 1970, no. 437.

Vicup*Ca. 475 BC***Fabric group 1 / Attic**

Da-23 92-832, IV-3 B 343/208. Pl. 98

Fr. of flaring foot with moulding and central cone. H 4.3; Ø base 6.6.

Cf. Sparkes & Talcott 1970, no. 434.

Acrocup*Ca. 460 BC***Other fabrics****Da-24** 93-527, VI-2 B 395/259. Pl. 98

Stemmed flaring foot. H 1.4; Ø base 9.5. Fabric: 7.5YR 6/6, few very tiny light-reflecting particles.

Cf. Sparkes & Talcott 1970, no. 437.

CUP-SKYPHOI

The cup-skyphoi constitute one of the largest group of cups in the NGS material. In total, 33 pieces belonging to both the light-walled and the heavy-walled variants as well as the early 4th century BC type have been identified. Two early pieces in the NGS material show some peculiarities in the shape. The two pieces, **Da-25-Da-26** belonging to the second half of the 6th century BC have the characteristic deep concave-convex profile but they are not Attic and deviate from the Attic norm. On **Da-26** the horizontal handles are set high on the body and the lip is sharply out-turned. The handles on **Da-25** bear closer resemblance to the high-swung handles of the 5th century BC and the handle narrows in at the junction with the body leaving no handle-space. They clearly imitate the cup-skyphos shape.

The light-walled type is slightly earlier than the cup-skyphos with heavy wall, beginning ca. 440 BC and continuing to around 375 BC, whereas the heavy-walled type appears ca. 410 BC and continues into the early 4th century BC. Most of the pieces from NGS are Attic, but non-Attic pieces are found among both types as well. The decoration mostly consists of stamped palmettes within rouletting, but bands of impressed ovules are seen on **Da-37**. It is perhaps surprising that the heavy-walled cup-skyphos is not better represented (eight catalogued pieces) in the Lower City since approximately twice as many cup-skyphoi of the heavy-walled type than the light-walled type have been found in the Olbian necropolis.³⁹³

Light-walled cup-skyphoi*Ca. 550 BC***Fabric group 3****Da-25** 94-762, VI-2 R 410/251. Pl. 98

Fr. of out-turned rim, handle and body. Handle only partly preserved. H 6.1; Ø rim 14.

Body close to Sparkes & Talcott 1970, no. 563, but handles seem later.

Fabric group 5**Da-26** 01-1099, VI-3 B 661/302. Pl. 99

Fr. of slightly out-turned rim and upper body, relatively deep, rounded profile. H 6.3; Ø rim 14.

Cf. Sparkes & Talcott 1970, no. 563.

*Ca. 500 BC***Fabric group 1 / Attic****Da-27** 89-778, II-6 B 186b

Fr. of concave rim. H 3; Ø rim 21. Part of one lead clamp preserved. Graffito: S-12 (second half of the 5th century BC).

Cf. Sparkes & Talcott 1970, no. 572.

*500-480 BC***Fabric group 1 / Attic****Da-28** 95-280, V Stove 443/236

Fr. of out-turned rim. H 2.3; Ø rim 17. Black gloss with a faint green sheen.

Cf. Sparkes & Talcott 1970, no. 569.

Da-29 95-471, VI-2 B 410/258

Rim fr. with slightly out-turned lip and upper part of body. H 2.5; Ø rim 11. Blueish to grey metallic gloss.

Cf. Sparkes & Talcott 1970, no. 569.

*Ca. 440-420 BC***Fabric group 1 / Attic****Da-30** 96-260, VI-1 B 479/243. Pl. 146

Fr. of moulded ring foot with grooved concentric circles on underside. H 3.1; Ø base 8. Incised tongue pattern within band of incised circles, then band of tongues, ext. reserved, thin band between body and foot, reserved underside.

Cf. Sparkes & Talcott 1970, no. 581.

*Ca. 430-400 BC***Fabric group 1 / Attic****Da-31** 94-784, VI-2 B 395a/267

Fr. of ring foot, lipped. H 1.5. Zone of enclosed tongues.

Decoration close to Sparkes & Talcott 1970, no. 582.

*Ca. 420-410 BC***Fabric group 1 / Attic****Da-32** 97-109, VI-3 B 489/295. Pl. 99

Fr. of deep body and moulded ring foot. H 6.2; Ø base 8.5. Two carefully executed palmettes within rouletting.

Cf. Sparkes & Talcott 1970, no. 593.

³⁹³ Kozub 1974, 47.

Ca. 410-400 BC

Fabric group 1 / Attic

Da-33 94-750, VI-2 B 395a/267

Fr. of part of foot and body. H. 1.55. Five linked palmettes within band of ovules. One broad and one thin concentric circle on underside, reserved groove at junction between foot and body.

Decoration close to Sparkes & Talcott 1970, no. 593.

Da-34 95-118, II-5 B 390/33

Fr. of ring foot, reserved groove on int., grooved rest. H 1.3; Ø base 6.2. Four stamped, elongated, asymmetrically placed palmettes within rouletting, reserved rest.

Cf. Sparkes & Talcott 1970, no. 595.

Fabric group 5

Da-35 86-980

Fr. of straight rim and upper body, part of handle preserved. H 3.7; Ø rim 11.

Close to Sparkes & Talcott 1970, no. 595(?).

400-380 BC

Fabric group 1 / Attic

Da-36 93-666, III-3 B 368/105

Fr. of moulded ring foot, flat rest, small nipple. H 1.5; Ø base 6. Linked palmettes within band of rouletting, two concentric bands on underside.

Cf. Sparkes & Talcott 1970, no. 608.

Da-37 95-243, II-5 B 390/34. Pl. 99

Fr. of moulded ring foot. H 1.9; Ø base 6.4. Four stamped palmettes within band of ovules, one broad and two thin concentric bands with dot on underside.

Cf. Sparkes & Talcott 1970, no. 608.

Da-38 95-92, VI-2 B 410/252

Fr. of moulded ring foot. H 2.3; Ø base 7.95. Four stamped palmettes within rouletting, on underside three concentric bands of varying sizes, central dot.

Cf. Sparkes & Talcott 1970, no. 608.

Da-39 95-474, VI-2 B 410/258

Fr. of high-swung, vertical handle and upper part of body. Thin delicate handle, set vertically on body. H 5.9. Gloss worn at bottom of handle.

Cf. Sparkes & Talcott 1970, no. 608.

Da-40 94-657, IV-2 B 302/190. Pl. 99

Three joining frs. of rim and upper body, ridge int., very thin out-turned rim and lip. H 5.1; Ø rim 14.

Close to Sparkes & Talcott 1970, no. 608.

Da-41 86-929, I-3 R 49/5

Fr. of a rim with slightly out-turned lip, attachment of handle preserved, offset int. on rim. H 5.7; Ø rim 12.5. Some traces of wear on the lip. Band of rouletting, reserved band between body and foot.

Cf. Sparkes & Talcott 1970, no. 608.

Da-42 87-542, II-3 B 89/10

Fr. of lower body and moulded ring foot, flat rest. H 5.2; Ø base 7.2.

Two bands of rouletting, reserved rest, two sloppy concentric bands on underside. Two repair holes.

Close to Sparkes & Talcott 1970, no. 608.

Other fabrics

Da-43 87-551, II-3 B 89/10. Pl. 99

Five joining frs. of rim, body and lower body with handle attachment, offset int., groove at junction between body and foot. H 7.4; Ø rim 13.65. Fabric: 7.5YR 6/6, few small silvery mica particles, relatively sandy, compact, even in colour. Lustrous black gloss, metallic, evenly applied and evenly fired, even in colour, slightly worn on lip. Reserved band at junction between lower body and foot.

Close to Sparkes & Talcott 1970, no. 608.

Da-44 87-426, II-3 B 89/11

Two joining frs. of body with handle attachment. H 4.8. Fabric: 7.5YR 6/6, few very tiny lime particles, few tiny voids, single very tiny black particle, hard fired, even in colour. Semi-lustrous black gloss, evenly applied, evenly fired, well preserved.

Possibly Sparkes & Talcott 1970, nos. 581-608(?), 440-380 BC.

Ca. 375 BC

Fabric group 1 / Attic

Da-45 95-599 + 95-600, II-5 R 451/41

Seven joining frs. of rim, body and foot, complete profile preserved. H 4.4; Ø rim 10; Ø base 6.5. One stamped palmette preserved within several bands of rouletting.

Cf. Sparkes & Talcott 1970, no. 605.

Da-46 96-464, VI-3 B 474/290

Fr. of simple thin, out-turned rim and upper part of body. H 5.6; Ø rim 13.

Cf. Sparkes & Talcott 1970, no. 605.

Da-47 96-470, VI-3 B 474/290. Pl. 99

Fr. of slightly out-turned rim and deep body, set on high moulded ring foot. H 7.1; Ø rim 14; Ø base 7. Band of rouletting. On underside concentric black band.

Cf. Sparkes & Talcott 1970, no. 605.

Da-48 96-431, VI-3 B 474/289

Fr. of moulded ring foot. H 1.5; Ø base 7. Palmette cross within two bands of simple rouletting, six concentric circles on underside, reserved rest.

Cf. Sparkes & Talcott 1970, no. 605.

Other fabrics

Da-49 95-600a, II-5 R 451/41

Fr. of a moulded foot. H 1.8; Ø base 6.5. Fabric: 5YR 5/4, slightly uneven in colour, single lime particle, few very tiny light-reflecting particles, pure, hard fired. Lustrous gloss, metallic, evenly applied, varies in colour from 7.5YR 2.5 to 10YR 2/1. Small part of band of rouletting preserved, two concentric bands on underside.

Cf. Sparkes & Talcott 1970, no. 605.

Heavy-walled cup-skyphoi

Ca. 410 BC

Other fabrics

Da-50 92-316, IV-3 B 343/201 + 92-150, III-3 C 332/132. Pl. 99

Two joining frs. of out-turned rim. H 4.4; Ø rim 15. Fabric: 7.5YR 6/6, some very tiny gold mica particles. Black, slightly metallic gloss, almost completely worn off.

Closest parallel Cf. Sparkes & Talcott 1970, no. 617.

Early 4th century BC

Fabric group 1 / Attic

Da-51 93-1012, III-3 R 359/123. Pl. 99

Fr. of thick out-turned rim, groove between rim and body. H 2.9; Ø rim 12.

Cf. Sparkes & Talcott 1970, no. 621.

Da-52 93-1013, III-3 R 359/123. Pl. 99

Fr. of thick out-turned rim, groove between rim and body. H 2.9; Ø rim 12.

Cf. Sparkes & Talcott 1970, no. 621.

Da-53 95-180, V Stove 443/232

Fr. of thick out-turned rim, groove between rim and body. H 3.9; Ø rim 11. Very worn on lip.

Cf. Sparkes & Talcott 1970, no. 621.

Da-54 95-542, II-5 R 451/42

Fr. of out-turned rim. H 2.5; Ø 15.

Cf. Sparkes & Talcott 1970, no. 621

Da-55 91-140, IV-2 B 307/168

Fr. of slightly out-turned rim. H 3.6; Ø rim 15. Substantial wear on lip. Thin red band just under rim ext.

Cf. Sparkes & Talcott 1970, no. 621.

Da-56 93-380, IV-3 R 383/197

Fr. of slightly out-turned rim with rounded lip and upper part of body. H 2.8; Ø rim 12.

Cf. Sparkes & Talcott 1970, no. 621.

Da-57 93-1014, III-3 R 359/123

Fr. of out-turned rim, up-turned handle and shallow body, groove between rim and shoulder/body. H 4.8; Ø rim 12.5.

Cf. Sparkes & Talcott 1970, no. 621.

STEMLESS CUPS

There are 14, possibly 16, fragments of stemless cups among the NGS material. The earliest cups are of the Rheneia variant, while the previous small variant, traditionally dated to the first two decades of the 5th century BC, is not present. Most pieces are confined to the first half of the century and all except **Da-64** are Attic imports.³⁹⁴

There is a marked difference in the preserved fragments of the earlier cups with inset rim and the later plain-rimmed cups. The former type is, except for the fragment **Da-68**, represented by rim fragments, whereas the latter exclusively consists of feet.³⁹⁵

Incised decoration was popular on the stemless cups where the space allowed for more complicated patterns. This is seen on four of the NGS pieces: **Da-65**-**Da-66**, **Da-69** and **Da-71**. A rare and early incised decoration is seen on **Da-69** where incised ivy leaves float freely on either side of a band of ovules. The other pieces, **Da-65** and **Da-71**, are decorated with an incised tongue pattern. The style suggests that **Da-71** is later than **Da-65**, but the carelessness of the execution of the arches of the tongues possibly places them at the end of the third quarter of the 5th century.³⁹⁶ The dating of **Da-67** is difficult, since the shape of the foot seems early in comparison to its decoration. Especially, the stamped palmettes cannot be much earlier than the late third quarter of the 5th century BC, whereas the foot can more securely be placed in the second quarter of the century.

The fact that only a few of the stemless cups from Sector NGS are datable to the second half of the 5th century BC departs from the picture from Phanagoria presented by Morgan. Here the majority of the cups belong to the delicate class, which is not represented at NGS.³⁹⁷ The stemless cups are well represented in the necropolis, but they are strangely enough not reported from the Western Temenos.³⁹⁸

480-470 BC

Fabric group 1 / Attic

Rheneia group

Da-58 95-662, VI-3 B 434/283

Fr. of slightly offset rim. H 2.6. Red band below rim.

Cf. Sparkes & Talcott 1970, no. 456.

Da-59 94-747, VI-2 B 395a/267

Fr. of straight, slightly out-turned rim. H 4.3; Ø rim 14.

Cf. Sparkes & Talcott 1970, no. 456.

Da-60 95-467, VI-2 B 410/258

Fr. of straight, inset rim. H 2.6; Ø rim 13.

Cf. Sparkes & Talcott 1970, no. 456.

³⁹⁴ For the early small version, see Sparkes & Talcott 1970, 98-99.

³⁹⁵ Rim fragments of the plain-rim variant are completely absent in the material from Sector NGS. This pattern is probably a result of the selections made during excavation, since fragments of plain-rimmed cups are more anonymous than fragments with inset rims.

³⁹⁶ For the slanting direction of the incised tongues on **Da-71** see Sparkes & Talcott 1970, nos. 502-503 and 512, pl. 51-52.

³⁹⁷ Morgan 2004, 105-115, 208-209, nos. 272-303. It is also noteworthy that red figure fish-plates are very common at Phanagoria whereas they are rare in Olbia, see p. 236.

³⁹⁸ For stemless cups in the necropolis see Skudnova 1988, 80, no. 118; 109, no. 164; also Kozub 1974, 43-45. Kozub categorised the stemless cups as kylikes type 3. For the temenos see Rusjaeva & Nazarčuk 2006a.

*470-450 BC***Fabric group 1 / Attic****Da-61** 93-379, IV-3 R 383/197

Fr. of inset rim. H 4.2; Ø rim 13. Reserved area around handle.

Cf. Sparkes & Talcott 1970, no. 471.

Da-62 93-823, IV-4 B 397/219

Fr. of inset rim. H 4.8; Ø rim 13.

Cf. Sparkes & Talcott 1970, no. 471.

Da-63 95-465, VI-2 B 410/258

Five joining frs. of inset rim, body and part of handle. H 3.35; Ø rim 15.

Cf. Sparkes & Talcott 1970, no. 471.

Fabric group 4**Da-64** 95-623, VI-2 B 410/258. Pl. 99

Fr. of slightly inset rim, sharp groove both int. and ext. between rim and upper body. H 4.1; Ø rim 13. Reserved band in handle zone.

Close to Sparkes & Talcott 1970, no. 471.

*460-425 BC***Fabric group 1 / Attic****Da-65** 92-1019, IV-3 B 343/209. Pl. 100

Fr. of moulded ring foot. H 2; Ø base 10. Incised tongues with three incised bands, reserved rest.

Cf. Sparkes & Talcott 1970, nos. 476, 481.

Da-66 01-484, VI-3 B 641/297. Pl. 100, 146

Fr. of broad ring foot with flat rest. H 1.9; Ø base 8.2. Five central palmettes within band of impressed ovules, then 11 palmettes. Reserved underside, two concentric bands.

Close to Sparkes & Talcott 1970, no. 481, ca. 425 BC.

Da-67 96-259, VI-1 B 479/243. Pl. 146

Fr. of deep ring foot. H 1.95; Ø base 7.5. Broad reserved band on foot and reserved circle on underside. Part of a stamped palmette.

Cf. Sparkes & Talcott 1970, no. 467, ca. 430 BC.

*Ca. 450 BC***Fabric group 1 / Attic****Da-68** 95-324, V Earth-dwelling 445/238. Pl. 100

Fr. of ring foot. H 1.65; Ø base 10. Reserved circle on underside and reserved rest.

Close to Sparkes & Talcott 1970, no. 474, before the middle of the 5th century BC.

Da-69 97-19, VI-3 B 489/292. Pl. 100, 146

Fr. of moulded ring foot. H 3.7; Ø base 10. Incised ivy leaves and band of stamped ovules.

Cf. Sparkes & Talcott 1970, no. 483.

Da-70 96-261, VI-1 B 479/243

Fr. of a broad, moulded ring foot. H 2.15; Ø base 11. Lower part of ring foot, rest and underside reserved.

Cf. Sparkes & Talcott 1970, no. 475.

*Ca. 430 BC***Fabric group 1 / Attic****Da-71** 95-184, VI-2 B 410/253. Pl. 147

Two joining frs. of lower part of body and moulded ring foot, two concentric mouldings on underside. H 1.5; Ø base 10. Parts of three central incised strokes within thin incised band, four very small linked palmettes, not very clearly impressed, thin incised band and band of large incised tongues, reserved centre on underside.

Cf. Sparkes & Talcott 1970, no. 487.

Possible stemless*Ca. 420 BC***Fabric group 1 / Attic****Da-72** 01-483, VI-3 B 641/297

Fr. of body from unidentified open vessel. H 0.6. Centrally an incised radiating star, then a second smaller band with incised star, black band on underside.

Cf. Sparkes & Talcott 1970, no. 494.

Da-73 93-1016, III-3 R 359/123

Fr. of lower body, broad ring foot, flat rest. H 2.7; Ø base 10. Gloss is flaked off in many places. Two linked palmettes, small and delicate, within band of ovules, another five linked palmettes, small and delicate, another band of ovules. Reserved underside with two black bands, one small, one large, reserved rest.

Shape close to Sparkes & Talcott 1970, no. 482, ca. 425 BC. Decoration close to Sparkes & Talcott 1970, no. 580, 440-430 BC.

KANTHAROI

The Classical-type kantharos, and the cup-kantharoi covering the period from the middle of the 4th century BC to just before the middle of the 3rd century BC, together constitute the largest group of kantharoi among the NGS material. The Hellenistic kantharos type is only represented by three baggy kantharos pieces belonging to the period ca. 250-210 BC and one bowl-kantharos from ca. 275-260 BC (there is also a possible bowl-kantharos, **Da-706**, among the pieces which have not been available for study but have been identified from find-list illustrations, see below). Secure identification of different types is at times difficult due to the generally fragmentary state of the vessels. Some plain-rimmed fragments might have had a ribbed body but are here catalogued as plain kantharoi. The total number of plain kantharoi could thus be expected to be somewhat lower. It is, of course, also impossible to know whether some of the kantharos fragments had a West Slope decoration, but in the absence of decoration they have been catalogued under black-glossed pottery.

The occurrence of the different early types is similar to the picture described by Rotroff for the Athenian Agora.³⁹⁹ The earliest pieces, possibly dating to 350/340-325 BC, are the kantharoi with moulded rim, **Da-75-Da-77**, and the plain and moulded rim cup-kantharoi, **Da-130-Da-132**. One kantharos with moulded rim and five plain kantharoi, as well as three cup-kantharoi pieces, belong to the last quarter of the century. However, the majority of the plain kantharoi, **Da-85-Da-95** should belong in the period from ca. 300 to 275 BC. This is also the date of the four pieces with ribbed bodies, **Da-104-Da-107**.

Several of the kantharoi are decorated with stamped palmettes and bands of rouletting on the interior (**Da-74**, **Da-78-Da-79**, **Da-84**, **Da-115**, **Da-132-Da-134**). It is interesting to note that only the Attic kantharoi are decorated, while none of the pieces ascribed to other fabric groups are decorated on the interior, for example **Da-83** and **Da-95**.

The particular kantharos type **Da-190-Da-193**, most likely produced somewhere in the northwestern Black Sea area (see discussion above, p. 194), probably imitates an Attic model. A cistern deposit in the Olbian Agora contained fragments from similar kantharoi and thus provides the best dating for the type.⁴⁰⁰ According to the amphora stamps, the deposit can now, after Finkielsztein's revised dating of the Rhodian eponyms, be dated to the period from ca. 220-140s BC.⁴⁰¹

Sessile kantharoi

450-400 BC

Fabric group 1 / Attic

Da-74 89-177. Pl. 100, 147

Fr. of straight rim with only slightly out-turned lip. H 4; Ø rim 7.5. Gloss has flaked off in a few places, very worn on lip. Band of stamped palmettes, small and delicate, separated by a horizontal band, then band of stamped ovules. Graffito: A.

Cf. Sparkes & Talcott 1970, no. 633.

Classical kantharoi

Moulded rim

350-300 BC

Fabric group 1 / Attic

Da-75 96-20, II-5 B 390/36

Fr. of solid moulded rim. H 4.2; Ø rim 10.

Cf. Rotroff 1997a, nos. 36-37.

Other fabrics

Da-76 95-181, V Stove 443/232. Pl. 100

Fr. of body and solid moulded rim. H 5.2; Ø rim 9. Fabric: 7.5YR 5/6, very few very tiny light-reflecting particles, few voids.

Cf. Rotroff 1997a, nos. 36-37.

325-300 BC

Fabric group 1 / Attic

Da-77 91-2, IV-2 B 280/165

Fr. of solid moulded rim. H 3.2; Ø rim 14.

Cf. Rotroff 1997a, no. 37.

Plain

325-300 BC

Fabric group 1 / Attic

Da-78 95-166, VI-3 B 434/275. Pl. 147

Moulded foot, relatively deep body, flat reserved rest. H 2.9; Ø base 5. Three stamped palmettes within band of rouletting.

Cf. Rotroff 1997a, no. 1.

Da-79 95-460, VI-2 B 410/258. Pl. 100, 147

Fr. of moulded foot with grooved rest and nipple. H 2.85; Ø base 5.6. Four small and rounded palmettes inside grooved band with stamped ovules, reserved rest.

Cf. Rotroff 1997a, no. 1.

Da-80 87-548, II-3 B 89/10. Pl. 100

Five joining frs. of rim and part of upper body. H 5.2; Ø rim 7.5. Gloss has flaked off in many places, very worn, almost completely worn off on lip.

Cf. Rotroff 1997a, nos. 1-11.

Da-81 87-546, II-3 B 89/10

Three joining frs. of rim and upper body. H 4.8; Ø rim 7.5.

Cf. Rotroff 1997a, nos. 1-11.

Other fabrics

Da-82 93-238, II-5 B 390/25

Fr. of vertical handle with thumb rest. H 3.1; Ø rim 6.5. Fabric: 2.5YR 5/0, relatively even in colour, at handle a few red spots, 2.5YR 5/6, many tiny lime inclusions, few tiny black particles, hard fired. Semi-lustrous black gloss, slightly metallic, very evenly applied, even in colour.

Cf. Rotroff 1997a, nos. 1-9.

³⁹⁹ Rotroff 1997a, 83-88.

⁴⁰⁰ Levi 1964b, fig. 7.

⁴⁰¹ Finkielsztein 2001a.

Da-83 87-541, II-3 B 89/10

Fr. of lower body and moulded foot with grooved rest, very small nipple. H 4.7; Ø base 4.65. Fabric: 7.5YR 6/6, some medium-sized black particles, few tiny voids, few very tiny light-reflecting particles, few very large lime particles, hard fired, compact, even in colour. Lustrous black gloss, very metallic, evenly applied, even in colour, well preserved. Miltos ext. on foot and in groove.

Cf. Rotroff 1997a, no. 11. 310-300 BC.

325-275 BC

Fabric group 1 / Attic

Da-84 95-551, II-5 R 451/42

Fr. of body with handle attachment. H 2.8. Single band of rouletting on int.

Cf. Rotroff 1997a, for example, nos. 7-14.

300-275 BC

Fabric group 1 / Attic

Da-85 93-1067, VI-2 R 395/260

Fr. of lower body, handle and moulded foot. H 7; Ø base 3.6.

Cf. Rotroff 1997a, nos. 13-19.

Da-86 95-42, VI-2 B 410/249

Fr. of body and part of neck, one handle partially preserved. H 7.8.

Cf. Rotroff 1997a, nos. 13-19.

Da-87 95-392, II-5 R 451/43

Fr. of shoulder and sharply out-turned rim. H 5.2; Ø rim 10.

Cf. Rotroff 1997a, nos. 13-19.

Da-88 95-552, II-5 R 451/42

Fr. of body. H 2.6. Band of rouletting on int.

Cf. Rotroff 1997a, nos. 13-19.

Da-89 87-428, II-3 B 89/11

Fr. of body with handle attachment. H 5.3. Fabric: 7.5YR 6/4, comparable to Munsell described by Rotroff 1997a, 10.

Fabric group 3

Da-90 94-555, VI-2 R 410/250

Fr. of body, neck and handle. H 6.5.

Cf. Rotroff 1997a, nos. 13-19.

Da-91 94-643, VI-2 R 410/251

Fr. of body, neck and handle. H 6.3.

Cf. Rotroff 1997a, nos. 13-19.

Da-92 95-41, VI-2-B 410/249

Fr. of body, neck and handle. H 5.9. Gloss uneven in one place due to stacking mark.

Cf. Rotroff 1997a, nos. 13-19.

Fabric group 4

Da-93 95-577, VI-2 B 410/256

Rim fr. H 4.3; Ø base 6.5.

Cf. Rotroff 1997a, nos. 13-19.

Fabric group 5

Da-94 89-711, IV-1 B 257/156. Pl. 100

Body and moulded foot, grooved rest. H 8.5; Ø base 5.65.

Cf. Rotroff 1997a, no. 10.

Other fabrics

Da-95 93-828, IV-4 B 397/219

Fr. of a moulded foot. H 3.2; Ø base 5. Fabric: 2.5YR 7/6. Few very tiny silver mica and lime particles. Reddish-black gloss, 10R 2.5/1. Reserved spot in the middle of underside.

Cf. Rotroff 1997a, nos. 13-19.

West Slope decoration

275-260 BC

Fabric group 3

Db-96 95-18, VI-2 B 410/249. Pl. 101

Fr. of kantharos, one straight, sharply-rising spur handle and part of out-turned rim and rounded lower body preserved, tapering upper body. H 10; Ø rim 10. Fabric: 5YR 6/6. Gloss: 5Y black, worn on handle, lustrous. White myrtle garland with broad stem.

Cf. Rotroff 1997a, nos. 22-25, 275-260 BC. The myrtle garland is seen in Athens from the Classical period to 275 BC, Rotroff 1997a, 48, no. 70.

Brown-glossed group

Dc-97 02-351. Pl. 101

Rim fr. and body with handle. H 5.6; Ø body 10; Ø rim 10. Dense, red clay, no visible inclusions. Brown gloss. Body with smooth rounded forms set smoothly on low neck. The rim is slightly out-turned. Vertical handle, oval in section.

Cf. Rotroff 1997a, no. 279, 225-175 BC.

Dc-98 01-1069. Pl. 101

Rim fr. H 2.5; Ø rim 11. Dense, red clay, no visible inclusions. Brown gloss. The rim is slightly out-turned. West Slope decoration.

Cf. Edwards 1975, no. 373, first half of the 3rd century BC; Rotroff 1997a, nos. 52-71, 325-275 BC.

Dc-99 01-860. Pl. 101

Rim fr. H 4. Ø rim 9. Dense, red clay, no visible inclusions. Brown gloss. The rim is slightly out-turned. West Slope decoration.

Cf. Edwards 1975, no. 373, first half of the 3rd century BC; Rotroff 1997a, nos. 26-31, 285-275 BC.

Dc-100 01-891. Pl. 101

Handle fr. H 8.3; Ø rim 6.4; Ø body 7.6. Dense, red clay, no visible inclusions. Red gloss with black spots(?), high quality with metallic

shine. Body with smooth rounded forms sharply separated from neck. Handle with a ledge. Attic(?) from clay and gloss. West Slope decoration. Cf. Rotroff 1997a, nos. 5-23, 275-260 BC.

Dc-101 01-546. Pl. 101

Handle fr. with ledge. H 8.5; Ø rim 8; Ø body 8. Dense, red clay, no visible inclusions. Black-brown gloss(?), high quality with metallic shine. Body with smooth rounded forms sharply separated from neck. Attic(?) from clay and gloss.

Cf. Rotroff 1997a, no. 17, 275 BC.

Dc-102 01-684. Pl. 101

Rim fr. with handle. H 3.2; Ø rim 10. Dense, pink clay. Brown gloss with metallic shine.

Cf. Rotroff 1997a, nos. 1-2, 325 BC.

Dc-103 97-420. Pl. 102

Fr. of body with base. H 8.5; Ø body 9; Ø base 5.4. Dense, red clay, no visible inclusions. Red gloss with black spots, high quality with metallic shine. Body with smooth rounded forms sharply separated from neck. Base is low, no profiling, has only one poorly expressed ledge. Attic(?).

Cf. Rotroff 1997a, nos. 1-2, 325 BC.

Ribbed kantharoi

300-275 BC

Fabric group 1 / Attic

Da-104 89-713, IV-1 B 257/156. Pl. 102

Body and moulded foot with grooved rest, relatively high stem. H 6.7; Ø base 4.05. Ribbed body with three vertical grooves under handles, scraped groove between mouldings on foot, two grooves below ribbings, reserved rest.

Cf. Rotroff 1997a, no. 28.

Da-105 95-165, VI-3 B 434/275

Fr. of body and handle. H 6.4. Ribbed body.

Cf. Rotroff 1997a, no. 28.

Fabric group 5

Da-106 94-422, VI-2 R 410/247

Three joining frs. of body and moulded foot. H 10.4; Ø base 7.2. Ribbed body, two incised grooves under handles.

Cf. Rotroff 1997a, no. 46, ca. 290-270 BC.

Other fabrics

Da-107 95-23, VI-2 B 410/249

Fr. of lower part of body, moulded foot, relatively high stem. H 5.4; Ø base 5.6. Fabric: 5YR 6/6, few very tiny golden mica and black particles. Gloss varies in colour from black to red, 2.5YR 4/8. Ribbed body, grooved cross below handles, scraped groove between mouldings on foot and below ribbing, reserved rest.

Cf. Rotroff 1997a, nos. 13-15, 26-28.

West Slope decoration

285-275 BC

Fabric group 1

Db-108 95-15, VI-2 B 410/249. Pl. 102

Two joining frs. of kantharos, profile complete, scraped groove in resting surface, conical underside, concave stem, ribbed lower body, low upper body, one handle with rising spur preserved. H 10; Ø rim 10; Ø base 4. Fabric: 7.5YR 6/6, 5YR 6/6. Gloss: worn on top of handle and ribs, flaking off in places, 5Y 2.5. Olive garland in added clay.

Cf. Rotroff 1997a, nos. 26-28, especially foot and lower body no. 28. Olive garland: Rotroff 1997a, no. 29. Classical kantharos dated to second to last quarter of the 3rd century BC, Bozkova 1997, 9-10, type I.1, fig. 2. Olbia: Parović-Pešikan 1974, 77-79, fig. 74.5-10. Istros: Coja & Dupont 1979, 45, pl. 2.12-16. Chersonesos: Belov 1938, figs. 56-57. Pantikapaion: Svetaeva 1957, 195, fig. 6.2. Gorgippia: Zujkov 1987, 73, fig. 1.7.

Fabric group 3

Db-109 95-17, VI-2 B 410/249. Pl. 102

All of rim and most of upper body and a very small part of ribbed lower body preserved. H 5.1; Ø rim 9. Fabric: 5YR 6/6. Gloss: bi-coloured ext. and int. Gley 1 2.5/N. Opposing olive garland in added clay.

Cf. Rotroff 1997a, nos. 26-31. Olive garland: Rotroff 1997a, no. 29. Classical kantharos dated to second to last quarter of the 3rd century BC, Bozkova 1997, 9-10, type I.1, fig. 2. Olbia: Parović-Pešikan 1974, 77-79, fig. 74.5-10. Istros: Coja & Dupont 1979, 45, pl. 2.12-16. Chersonesos: Belov 1938, figs. 56-57. Pantikapaion: Svetaeva 1957, 195, fig. 6.2. Gorgippia: Zujkov 1987, 73, fig. 1.7.

Db-110 94-305, VI-2 R 410/246

Body fr., small part of upper and ribbed lower body preserved. H 6.1. Fabric: 2.5YR 5/8, 7.5YR 5/4. Gloss: few flakes, ext. Gley 1 2.5/N, but a bit more greenish, glossed on int., very few flakes, int. 7.5YR 3/3. On upper body part of two stems and leaf of ivy garland in applied clay.

Cf. Rotroff 1997a, nos. 26-31; Mitsopoulos-Leon 1991, 45, no. B 13, 35, n. 152 mentions that this treatment of the ivy is not seen before the last quarter of the 3rd century BC.

Fabric group 4

Db-111 96-157, V R 465/229. Pl. 102

Body fr. with very small part of ribbed lower body and part of upper body preserved with out-turned rim. H 6; Ø rim 8. Fabric: 5YR 6/6, well levigated, hard fired, small voids, small white particles 0.1 mm. Gloss: Gley 1 2.5/N, even in colour, evenly applied, lustrous, metallic sheen, few flakes, very worn on rim, worn on ribs on body. Opposing olive garland.

Analogies as **Db-109**.

Fabric group 5

Db-112 92-564, III-3 R 359/116

Three frs. of rim, upper body and top of ribbed lower body. H 3.4; Ø rim 7. Fabric: 5YR 5/6. Gloss: few flakes, worn on rim, Gley 1 2.5/N. Ivy garland in added clay with wavy central stem and individual stems for ivy leaves.

Cf. Bozkova 1997, 11, fig. 5. Apollonia: Ivanov 1963, pl. 105, fig. 77, no. 472. Olbia: Parović-Pešikan 1974, 77, figs. 75.7, 78.3. Always with ivy garland with heart-shaped leaves, Bozkova's type II

dating to the 3rd century BC. Ivy garland: Mitsopoulos-Leon 1991, no. B 99, late 3rd to 2nd century BC. Boehlau 1908, 34, no. 325, taf. VI, bowl kantharos with antithetical leaping dolphins.

Db-113 94-421, VI-2 R 410/247

Fr. with profile preserved, scraped groove in resting surface, high cylindrical foot, concave stem, ribbed lower body, tall upper body, handles missing. Opposing olive garlands on the upper body.

Identified from find-list illustration.

Analogies as **Db-108**.

Db-114 94-556, VI-2 R 410/250

Fr. with profile preserved, high cylindrical foot, concave stem, ribbed lower body, tall upper body, handles missing. Olive garlands on the upper body.

Identified from find-list illustration.

Analogies as **Db-108**.

Various kantharoi feet

Fabric group 1 / Attic

Da-115 01-1076, VI-3 B 661/301

Fr. of moulded foot. H 2.2; Ø base 6. Three stamped palmettes and incised star, scraped groove between mouldings on foot, milots.

Close to Sparkes & Talcott 1970, no. 690, last quarter of 4th century BC. Lynch forthcoming, proposes a date of 315-300 BC.

Fabric group 3

Da-116 94-513, IV-2 B 302/186

Fr. of moulded projecting foot. H 1.6; Ø base 4. Hole through upper part of foot, reused as tool.

Fabric group 4

Da-117 89-878, IV-1 B 253/146

Fr. of moulded foot. H 3.1; Ø base 4.5. Hole through upper part of foot, reused as tool.

Somewhat similar to Rotroff 1997a, no. 24, 275-260 BC.

Fabric group 6

Da-118 93-1097, III-3 B 368/107

Fr. of moulded foot with broad rest. H 2.55; Ø base 4.7. Hole through upper part of foot, reused as tool.

Other fabrics

Da-119 89-190

Fr. of moulded foot. H 2; Ø base 5. Fabric: 5YR 6/6. Some very tiny black particles. Black gloss, 7.5YR 2.5/1. Hole through upper part of foot, reused as tool.

Da-120 01-651, VI-3 B 641/298

Fr. of moulded foot. H 2.25; Ø base 4. Fabric: 7.5YR 6/6, few very tiny lime and light-reflecting particles. Black gloss, 10YR 2/1.

Da-121 94-559, VI-2 R 410/250

Fr. of moulded foot. H 1.8. Very badly preserved. Hole through upper part of foot, reused as tool.

Da-122 94-560, VI-2 R 410/250

Fr. of moulded foot. H 1.85. Very badly preserved. Hole through upper part of foot, reused as tool.

Hellenistic baggy kantharoi

250-225 BC

Fabric group 3

Da-123 93-837, IV-4 B 397/219

Fr. of strap handle with rotelle. H 3.95.

Cf. Rotroff 1997a, no. 256.

Other fabrics

Da-124 93-555, IV-4 B 351/218

Fr. of strap handle with rotelle. H 3.9. Fabric: 5YR 6/6, few very tiny light-reflecting and lime particles, few tiny voids. Gloss is dark-grey, 10YR 4/1 to very dark-grey, 10YR 3/1.

Cf. Rotroff 1997a, no. 256.

225-210 BC

Fabric group 3

Da-125 93-839, IV-4 B 397/219. Pl. 103

Fr. of foot. H 2.8; Ø base 14.

Cf. Rotroff 1997a, no. 257.

Bowl-kantharoi

Classical, out-turned rim

275-260 BC

Fabric group 3

Da-126 94-614, VI-2 B 395a/263. Pl. 103

Two joining frs. of rim, body and handle. H 7.6; Ø rim 16.

Cf. Rotroff 1997a, no. 138.

West Slope decoration

290-275 BC

Fabric group 4

Db-127 87-393

Body fr. H 3.8. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N, very few flakes

on inside, flaked on outside, lustrous, metallic sheen, even in colour, evenly applied. Ivy garland in added clay, incised stem and incised individual stems for small white heart-shaped leaves, incised groove under decoration.

Cf. Rotroff 1997a, no. 142. Ivy garland: Rotroff 1997a, no. 164, ca. 300 BC.

Hellenistic type

Variants

250-225 BC

Fabric group 5

Db-128 89-706, IV-1 B 257/156. Pl. 103

Two joining frs. of variant of Hellenistic bowl-kantharos, part of rim and upper body preserved. Scraped groove beneath slightly incurved, bevelled, thickened rim and much curved upper body. H 4.8; Ø rim 22. Fabric: 7.5YR 5/4. Gloss: Gley 1 2.5/N. Ivy garland running right with central wavy stem, added clay ivy leaves on individual stems.

Cf. Rotroff 1997a, no. 147.

Brown-glossed group

Dc-129 01-861. Pl. 103

Handle fr. with part of body. H 3.3; Ø 10. Light clay, no visible inclusions. Black gloss with metallic shine. Body is sharply divided between base, convex part and top, out-turned. The handle is raised above the rim and has a Π shape. Attic.

Cf. Rotroff 1997a, nos. 134-135, 285-275 BC.

Cup-kantharoi

Moulded rim

Ca. 330-300 BC

Fabric group 1 / Attic

Da-130 92-314, IV-3 B 343/201. Pl. 103

Fr. of hollow moulded rim. H 4.4; Ø rim 12.

Cf. Rotroff 1997a, no. 82.

Plain rim

Ca. 340-325 BC

Fabric group 1 / Attic

Da-131 95-469, VI-2 B 410/258

Rim fr. H 3.45; Ø rim 10.

Cf. Sparkes & Talcott 1970, no. 684.

Da-132 95-466, VI-2 B 410/258. Pl. 147

Fr. of thin, out-turned rim and shallow body, foot deliberately cut off.

H 5.05; Ø rim 10. Four stamped palmettes, small and rounded, within two bands of rouletting. Ext. thin reserved band at lower part of body.

Cf. Sparkes & Talcott 1970, no. 684.

325-315 BC

Fabric group 1 / Attic

Da-133 89-292, II-6 B 186/48. Pl. 103

Body and foot. H 9.7; Ø base 6. Band of simple rouletting int., reserved groove between mouldings on foot.

Cf. Rotroff 1997a, no. 53.

Da-134 95-550, II-5 R 451/42. Pl. 103

Seven joining frs. of body, handle and moulded foot, flat rest. H 8.1; Ø base 5.8. Several bands of rouletting int., reserved groove between mouldings on foot, reserved rest. Traces of secondary burning.

Cf. Rotroff 1997a, no. 53.

Other fabrics

Da-135 95-598, II-5 R 451/41

Fr. of plain rim, very concave. H 4.5; Ø rim 10.

Cf. Rotroff 1997a, no. 53.

Brown-glossed group

Dc-136 90-66, IV-1 B 253. Pl. 104

Fr. of base and part of body. H 4; Ø body 9; Ø base 5. Dense, red clay. Red gloss with black-brown spots, no metallic shine. Body with smooth rounded forms. Low base with complex profile.

Cf. Rotroff 1997a, nos. 193-197, 275-250 BC.

Dc-137 93-908, III-3 B 368/106. Pl. 104

Fr. of base and part of body. H 4; Ø base 5. Dense, pink clay with inclusions of small particles of limestone. Red-brown gloss. Body with smooth rounded forms. Low base with complex profile. Pergamon(?).

Cf. Rotroff 1997a, nos. 193-197, 275-250 BC.

Dc-138 90-195, III-3 R 278/89. Pl. 104

Fr. of base and part of body. H 5.5; Ø body 9; Ø base 6. Dense, pink clay, inclusions of fine lime particles and mica. Brown gloss int. and ext. Body with smooth rounded forms.

Cf. Edwards 1975, no. 378, around 300 BC; Rotroff 1997a, no. 171, 290-275 BC.

Dc-139 00-526. Pl. 104

Rim fr. H 2.5; Ø rim 7. Dense, light clay, inclusions of fine lime particles and mica. Brown gloss, no metallic shine. The rim is slightly out-turned. Under rim an ornament executed in white paint in the form of a wide stripe with pendants.

Cf. Rotroff 1997a, no. 207, 240-225 BC.

Dc-140 00-918. Pl. 104

Rim fr. H 4; Ø rim 8. Dense, light clay, inclusions of fine lime particles and mica. Brown gloss, no shine. The rim is slightly out-turned.

Cf. Rotroff 1997a, no. 207, 240-225 BC.

Dc-141 02-619. Pl. 104

Fr. of body with handle. H 6.2; Ø body 10. Dense, light clay, no visible inclusions. Red weak gloss. Smooth rounded body. Vertical flat handle

with a rudimentary volute at the bend and a ledge at its lower part. Under the handle a trace of a fingerprint.

Cf. Rotroff 1997a, no. 199, 250 BC.

Baggy kantharoi

West Slope decoration

Fabric group 1

Db-142 89-855, IV-1 B 253/146

Four joining frs. H 7.3; Ø rim 12. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N, evenly applied, even in colour, lustrous, metallic sheen, added clay, white, two scraped grooves below rim, scraped groove beneath decoration panel. Chequerboard in added white and concentric rectangle panel with five white dots in centre below rim. Graffito: S-5 (second half of the 4th century BC).

Cf. Rotroff 1997a, no. 234, 250-225 BC. For chequerboard and rectangle, see Rotroff 1997a, no. 251, 225-210 BC.

Db-143 89-856, IV-1 B 253/146. Pl. 104

Six joining frs. H 7.9; Ø rim 12. Fabric: 5YR 5/6. Gloss: int.: 2.5Y 3/5 light olive-brown, Gley 2 3/10B, dark bluish-grey, evenly applied, even in colour, lustrous, metallic sheen, added clay, white, one scraped groove below rim. Row of white dots, two scraped grooves beneath decoration panel, ivy garland with incised stems alternating with three white dots like flowers.

Cf. Schäfer 1968, D63-65, 200 BC.

Fabric group 4

Db-144 93-504, III-3 B 368/104. Pl. 105

Fr. of out-turned rim and convex upper body. H 4.1; Ø rim 7. Fabric: 5YR 6/6. Gloss: ext. Gley 1/N, int. 2.5YR 4/4, very worn on rim. Spearhead necklace in added clay with white strap.

Cf. Behr 1988, no. 18, late 2nd century to the middle of the 1st century BC. Mitsopoulos-Leon 1991, no. B 25. In Ephesos the baggy kantharoi with sharp S-curves were popular in the 3rd and early 2nd century BC (Mitsopoulos-Leon 1991, 36).

Db-145 93-202 + 93-499 + 93-499a, III-3 B 368/102. Pl. 105

Frs. of straight rim and straight upper body, two joins. H 6.1; Ø rim 13. Fabric: 5YR 6/6. Gloss: very flaked off on int., flaked off on ext., worn on rim, 7.5YR 4/3, 2.5Y 2.5/1, two incised lines: under rim. Tainia garland with white ribbons, smaller bows and two thin lines suspended from the bows' ends, white wreath between bows.

Cf. Rotroff 1997a, no. 242, 250-225 BC, nos. 248-249, 250-225 BC, but different decoration. For the decoration, see Schäfer 1968, no. D 27, 200 BC, no. D 69, but without phiale, 140-130 BC. Tainia and white wreaths: Behr 1988, no. 70, first quarter of the 1st century BC.

Hellenistic angular kantharoi

West Slope decoration

275-240 BC

Fabric group 4

Db-146 93-261, III-3 B 368/102. Pl. 105

Rim fr. and body. H 6.9. Fabric: 5YR 6/6, hard fired. Gloss: ext. Gley 1 2.5/N, int. 2.5YR 4/6, well adhering, semi-lustrous coat, metallic sheen. Spearhead necklace in added clay with white strap.

Cf. Rotroff 1997a, nos. 183-205, stage 1 and 2, closer to stage 1.

Db-147 90-79, IV-1 B 257/158

Body fr. with floral garland, line below decoration probably incised.

Cf. Rotroff 1997a, nos. 219-230. Floral garland: Rotroff 1997a, no. 220. Behr 1988, no. 13, end of the 3rd century BC.

Identified from find-list illustration.

Kantharoi, miscellaneous

West Slope decoration

Fabric group 1

Db-148 93-665, III-3 B 368/105

Body fr. of part of lower and upper body, broken off base of handle. H 3.4. Fabric: 7.5YR 6/6. Gloss: Gley 1 2.5/N, flaked off in places. Concentric rectangles in added clay, below broad incised band with milots.

Cf. Rotroff 1997a, nos. 22-25, 275-260 BC. Chequerboard and rectangles are seen on Attic pieces from 270 to 86 BC (Rotroff 1997a, 64). For the decoration, see Smetana-Scherrer 1982, nos. 497-498, 547, 4th to 3rd century BC; Rotroff 1997a, 64, 270-86 BC.

Db-149 96-199, VI-3 R 459/273. Pl. 105

Body fr. of upper and lower part. H 2.4. Fabric: 7.5YR 5/4. Gloss: Gley 1 2.5/N. Pairs of antithetical leaping dolphins over waves formed by interlocking double spirals on double ground line with row of dots between them in added clay. Area above ground line filled with white line. Dolphin and wave complex motif is seen commonly on late Classical drinking cups (Rotroff 1997a, 53, 280-200 BC). Rotroff 1997a, no. 85, 275-260 BC, is quite similar. Boehlau 1908, no. 315, fig. 14a, bowl-kantharos with antithetical leaping dolphins. Myrmekion: Sztetyllo 1976, 80, fig. 71.

Db-150 93-896, III-3 B 368/106

Two joining body frs. H 2.5. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N. Added clay chequerboard and concentric rectangle, incised line below decoration. For decoration, see **Db-148**, 275-260 BC.

Db-151 89-52, II-6 B 195/55

Body fr. H 1.1. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N, lustrous, metallic sheen, no flakes. Part of rectangle in added clay preserved, white and yellow added clay.

Cf. Rotroff 1997a, nos. 22-25, 275-260 BC, nos. 32-33, 290-275 BC. The rectangle is in use in Athens in 270-86 BC (Rotroff 1997a, 64). Smetana-Scherrer 1982, nos. 497-498, 547, 4th to 3rd century BC.

Db-152 94-159a IV-2 B 302/182

Body fr. H 2.8. Fabric: 7.5YR 6/6. Gloss: Gley 1 2.5/N, very lustrous,

evenly applied, even in colour, metallic sheen. Altar(?) between bunches of grapes in added clay. The motive “thymiaterion between bunches of grapes” ends in 220 BC (Rotroff 1997a, 62-63).

Db-153 89-713a, IV-1 B 257/156

Fr. of plain out-turned rim. H 3.4. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N, slightly duller on int., slight wear on rim. Olive garland in added clay with stem.

For the ivy decoration, see Rotroff 1997a, nos. 29, 116, 290-270 BC.

Db-154 93-769, VI-1 P 384/244. Pl. 105

Fr. of straight rim. H 3.1; Ø rim 8.5. Fabric: 5YR 6/6. Gloss: worn on int. rim, Gley 1 2.5/N. Olive garland in added clay with very small leaves, one twig pointing towards the rim, above garland a white painted gamma or a tau.

Cf. Rotroff 1997a, 70: inscriptions Classical to 250 BC. The combination of letters and garlands with very small leaves can be seen on Rotroff 1997a, no. 72, 300-275 BC and no. 312, 285-275 BC.

Db-155 94-330a, IV-2 B 302/182

Fr. of body. H 3. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N, metallic black gloss. Grapevine with ribbons at ends. Main undulating white stem and white dot rosettes of 9-11 dots. Leaves alternating with white dot rosettes.

The palmette garland can be seen in Smetana-Scherrer 1982, nos. 520, 523, but with volute ribs, first half of the 3rd century BC. Rotroff 1997a, nos. 208, 209, 280-260 BC, nos. 334, 416, 240-220 BC.

Fabric group 3

Db-156 89-233, II-6 B 195/56. Pl. 105

Fr. of straight, out-turned rim and part of upper body preserved. H 5.7; Ø rim 10. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N, lustrous, metallic sheen, flaked, duller on inside. Spearhead necklace in added clay and white, with incised links. Spearhead necklace with incised links is seen after the middle of the 3rd century BC (Rotroff 1997a, 59).

Db-157 01-650, VI-3 B 641/298. Pl. 106

Fr. of plain, out-turned rim. H 4.3; Ø rim 9. Fabric: 5YR 5/6. Gloss: ext. Gley 1 2.5/N, int. 5YR 3/3, few flakes, worn on rim. Olive garland in added clay.

Cf. Rotroff 1997a, no. 1222, 275-265(?) BC; Boehlau 1908, taf. VI.14.

Db-158 93-770, VI-1 P 384/244. Pl. 106

Fr. of out-turned plain rim and body. H 3.9; Ø rim 6.5. Fabric: 5YR 6/6. Gloss: ext. Gley 1 2.5/N, int. black, 5YR 2.5/1, 5YR 5/8, bi-colour on int., very flaked off. Spearhead necklace in added clay, white strap, links of spearheads incised.

The spearhead necklace is similar to Behr 1988, no. 18, third quarter of the 2nd century BC. Ajabin et al. (eds.) 2006, pl. 23.2; Schäfer 1968, nos. D58, D190.

Db-159 96-287-1 + 96-287-2, VI-3 R 474/287

Two joining frs. of out-turned plain rim. H 6.6; Ø rim 9. Fabric: 5YR 6/8. Gloss: int. 2.5YR 4/8, ext. 3/6, slight wear on rim. Spearhead necklace in added clay, white strap, links of spearhead incised.

Analogies as **Db-158**.

Db-160 92-905, III-3 C 331/126

Fr. of out-turned rim. H 2.4; Ø rim 13.2. Fabric: 5YR 5/8. Gloss: ext. 2.5YR 3/3, uneven in colour, very flaked off, unevenly applied, dull, int. 2.5YR 4/6. Row of white triangles running right, between two incised bands.

Similar to decoration on Schäfer 1968, nos. D63-64, 190 BC.

Db-161 99-489, VI R 591/241

Body fr. H 2.7. Fabric: 5YR 6/8. Gloss: Gley 1 2.5/N, very lustrous, much metallic sheen, no flakes. Garland of large white ivy leaves with wavy white plant stem.

The large ivy leaves appear in Athens in the last quarter of the 2nd to the first quarter of the 1st century BC (Rotroff 1997a, no. 48).

Db-162 89-205, II-6 B 186/47

Fr. of out-turned rim. H 4.7; Ø rim 7.5. Fabric: 2.5YR 7/6. Gloss: Gley 1 2.5/N, semi-lustrous, metallic sheen. Garland of ivy in added clay, yellow, stem incised.

Smetana-Scherrer 1982, no. 544, tab. 41, third quarter of 3rd century BC. Radt & DeLuca 1999, no. 453, same treatment of ivy.

Db-163 91-539, III-3 R 278/93. Pl. 106

Fr. of plain, out-turned rim. H 3.2; Ø rim 7. Fabric: 5YR 6/4, even in colour, pure, hard fired, golden mica, few particles, very tiny 0.06-0.125 mm. Gloss: ext. black, int. dark-brown, medium quality, semi-lustrous, slightly metallic, evenly applied, even in colour, flaked off in very many places. Olive garland with white central undulating stem.

The undulating over-painted white stem is seen in Athens after ca. 250 BC (Rotroff 1997a, 49). This treatment is seen on Rotroff 1997a, nos. 259, 262, 225-210 BC. Drougou 1991, 140, Ariane 1573 from grave 52 dated to second quarter of the 3rd century BC with a Pyrrhos coin.

Fabric group 4

Db-164 02-105 + 02-398, VI-3 B 661/303

Two frs. of out-turned rim. H 4.2; Ø rim 11. Fabric: 7.5YR 6/6, small voids, well levigated, hard fired, small white particles, very few mica. Gloss: uneven in colour, evenly applied, worn on rim, ext. 2.5YR 4/6, 2.5YR 4/1, few flakes on outside, several large ones flaked off on inside near rim, semi-lustrous, metallic sheen, int. 2.5YR 4/6. Row of white dots above an incised strap, suspended from the line is another strap with leaves(?) in white and yellow.

Cf. Rotroff 1997a, 43, states that incision is seen from 2nd century BC. No parallel.

Db-165 89-425, II-6 B 186/49

Fr. Body. H 3.6. Fabric: hard fired, 5YR 6/6. Gloss: ext. 5YR 2.5/1, well-adhering coat, int. 5YR 3/1, even in colour, evenly applied, few flakes on int., lustrous, metallic sheen. Opposing added clay myrtle garland with broad stem, underneath garland of ribbons.

The closest parallel to this garland is in Parović-Pešikan (1974, 84, fig. 79.5), although the ribbon is missing here. The myrtle garland in Athens is dated from the Classical period to 275 BC (Rotroff 1997a, 48).

Db-166 93-890, III-3 B 368/106. Pl. 106

Rim fr. and small part of body, straight rim, slightly outwardly inclined. Two incised grooves below the rim, one below decoration. H 3.2; Ø rim 17. Fabric: 5YR 6/6, hard fired, well levigated, small voids, small white particles, less than 0.1 mm, very micaceous. Gloss: ext. 5YR 2.5/2, Gley 1 2.5/N, slight lustrous, metallic sheen, even in colour, evenly applied, flaked off, few flakes on inside. Long broad white line, two vertical slightly S-shaped dovetail-like shapes with two incised bands, below the rim ext., an incised band under decoration.

Cf. Rotroff 1997a, 274, no. 303, fig. 19, pl. 31, but larger, second half of the 3rd century BC. Pergamon: Behr 1988, no. 93, middle of the 1st century BC, no parallel for decoration. Rotroff & Oliver Jr. 2003, no. 110.

Fabric group 5

Db-167 93-12, III-3 R 278/96. Pl. 106

Fr. of out-turned plain rim. H 3.6. Fabric: 10YR 5/3. Gloss: flaked off in few places, ext. Gley 1 2.5/N, int. 2.5YR 2.5/1. Ivy garland with central stem running right, in added clay, ivy leaves on individual stems.

Cf. Bozkova 1997, 11, fig. 5. Apollonia: Ivanov 1963, pl. 105, fig. 77, no. 472. Olbia: Parovič-Pešikan 1974, 77, figs. 75/7, 78/3. Always with ivy garland with heart-shaped leaves: Bozkova's type II dating to the 3rd century BC. Ivy garland: Mitsopoulos-Leon 1991, no. B 99, late 3rd to 2nd century BC.

Db-168 94-456, VI-2 B 395a/261

Fr. of out-turned rim. H 3.9; Ø rim 12. Fabric: 7.5YR 5/4. Gloss: Gley 1 2.5/N, but more greenish. Ivy garland with central stem running right, in added clay, ivy leaves on individual stems.

Analogies as **Db-167**.

Db-169 96-156, V R 465/229

Fr. of open vessel. H 5.8; Ø rim 14. Fabric: 5YR 5/6. Gloss: Gley 1 2.5/N, metallic sheen, lustrous. Ivy garland in added clay.

Analogies as **Db-167**.

Fabric group 6

Db-170 93-554, IV-4 B 351/218. Pl. 106

Fr. of plain, out-turned rim, base and broken-off handle. H 4.2; Ø rim 10. Fabric: 7.5YR 7/6, grainy light-reflecting particles. Gloss: 5YR 4/2, slightly lustrous, metallic sheen, duller on inside. Large ivy-leaf garland in yellow. Perhaps from the same vessel as **Db-171**.

The large ivy leaves appear in Athens in the last quarter of the 2nd to the first quarter of the 1st century BC (Rotroff 1997a, no. 48).

Db-171 93-547, IV-4 B 351/218. Pl. 106

Fr. H 3.4; Ø rim 10. Fabric: 10YR 7/4, voids and inclusions. Gloss: 5Y 2.5/1, int. 10YR 5/2, metallic sheen, slightly lustrous, int. dull. Large ivy-leaf garland in yellow. Perhaps from the same vessel as **Db-170**.

The large ivy leaves appear in Athens in the last quarter of the second to the first quarter of the 1st century BC (Rotroff 1997a, no. 48).

Secondary burning

Db-172 94-39, IV-2 B 302/180

Fr. of plain rim, handle broken off at base. H 2.3; Ø rim 12. Fabric: 5YR 6/6. Gloss: Gley 1 2.5/N. Two black elongated spots, the original colour has been burnt off in secondary burning.

No parallel.

Handles

West Slope decoration

Fabric group 1

Db-173 93-1069, VI-2 B 395/260. Pl. 107

Handle, with comic-mask thumb rest, beardless young face with thick hair parted in the middle. H 3.8. Fabric: 5YR 6/6. Gloss: semi-lustrous, metallic sheen, worn on top, glazing crazed, 2.5Y 3/1.

Cf. Rotroff 1997a, no. 172, which she regards as Webster 1978, type O, 275 to early 2nd century BC.

Db-174 93-237, II-5 B 390/25 + 94-642, VI-2 R 410/251

Three frs. of out-turned rim and two straight strap handles with spur-handle plate. H 3.5; Ø rim 8. Fabric: 5YR 6/6. Gloss: well-adhering coat, 5Y 2.5/2, crazed on top of handle plate, with secondary burning. Olive garland in added clay.

Cf. Rotroff 1997a, no. 26, 285-275(?) BC, no. 29, 285-275 BC; Mitsopoulos-Leon 1991, no. B5, early 3rd century BC. The form originated in the 4th century BC at Athens and was in use there until the second half of the 3rd century BC (Mitsopoulos-Leon 1991, 34).

Fabric group 3

Db-175 93-835 + 93-836, IV-4 B 397/219

Two frs. of out-turned rim, body and strap handle with ivy-leaf thumb rest. H 2.2; Ø rim 13. Fabric: 2.5YR 6/8. Gloss: 2.5YR 5/8, 5YR 4/4.

Cf. Rotroff 1997a, no. 1768, 310-220 BC.

Db-176 93-824, IV-4 B 397/219. Pl. 107

Rim fr. with part of strap handle with rectangular handle plate. H 4.3; Ø rim 14. Fabric: 5YR 5/4. Gloss: Gley 1 2.5/N, flaked off in places, almost completely flaked off on ext., lustrous, metallic sheen. Decoration on handle and small ear at base of handle: added clay stem with leaves and on right side a stripe beside it. On handle, four stripes in vegetal pattern on small ear at base of handle in added clay.

Cf. Rotroff 1997a, nos. 252-254, 225-210 BC, but with torch.

Db-177 89-857, IV-1 B 253/146. Pl. 107

Five joining frs. of cup with rotelles, not complete. H 4.1; Ø rim 17. Rotelles broken off, sharp edge between upper and lower body, small ledge, lower body very incurving. Fabric: 2.5YR 5/6, hard fired, well levigated, many voids, some large up to 2 mm, many tiny to 0.2 mm particles, much mica. Gloss: slightly lustrous, uneven in colour, unevenly applied, 2.5YR 4/8, 10R 5/4. White triangles in a row, very faint, two incised lines just under rim and an incised line just over ridge at transition between upper and lower body.

Cf. Behr 1988, no. 29, variation B, but with egg and dart, middle of the 2nd century BC.

Fabric group 4

Db-178 89-424, II-6 B 186/49. Pl. 107

Fr. of handle with comic-mask thumb rest, head of an African. H 5.8. Fabric: 5YR 6/6, hard fired, well levigated, micaceous, quartz. Gloss: lustrous, metallic sheen, evenly applied, even in colour, few flakes, Gley 1 2.5/N.

Cf. Rotroff 1997a, nos. 236, 258, 250-225 BC; Webster 1978, type C, 11a, 11b.

Db-179 93-850a, III-2 R 388/86

Body fr. of out-turned rim and strap handle with ivy-leaf thumb rest, curved line incised beside handle. H 3.4; Ø rim 7. Fabric: 5YR 6/8. Gloss: 5Y 2.5/1, flaked off in places.

Cf. Rotroff 1997a, no. 1768, 310-220 BC.

Db-180 96-386 + 96-396, VI-3 R 477/276. Pl. 107

Two frs. H 4.7; Ø rim 7. Part of rim and one strap handle with rotelles preserved, out-turned rim. Fabric: 2.5YR 6/6, small voids less than 1 mm, hard fired, well levigated, many small white inclusions. Gloss: uneven in colour, few flakes, worn on rim, evenly applied, worn on handle, semi-lustrous, int. 2.5Y 3/2, ext. 10R 4/8, 7.5YR 2.5/1. White floral garland, small V-shaped leaves sloppily painted on.

Cf. Schäfer 1968, D56, 270 BC, D59, 190 BC, D65, 190 BC, form of cup D52, 280-270 BC.

Fabric group 8

Db-181 92-767 + 93-1237 + 92-725, III-3 R 359/114. Pl. 107

Three joining frs. of cup with spur handle and rectangular handle plate, ledge at transition between upper and lower body. H 7.3; Ø rim 13. Fabric: sandwich core, 2.5YR 5/8, 10R 5/8, dull, even in colour, many white particles. White and yellow leaves in garland.

Cf. Bozkova 1997, 10, 12, pl. 1.6, kantharos from Mesambria type III.1, pl. 1, fig. 6, 2nd to 1st century BC. Olbia: Farmakovskij 1903, 54, fig. 56; Bucovala 1967, 84, fig. 51b. Dimitrova 1971, 39, fig. 4, no. 3; Parović-Pešikan 1974, 86, fig. 80.8; Bozkova 1997, fig. 92a.6.

Db-182 91-154, II-5 B 311/23

Fr. of comic-mask thumb rest, man with high hairline at temples, long pointed beard, closed mouth(?).

Identified from find-list illustration.

Cf. Rotroff 1997a, nos. 269-270, 210-200 BC.

Db-183 94-462, VI-2 B 395a/261

Fr. of strap handle with handle plate.

Identified from find-list illustration.

Analogies as **Db-181**.

Various kantharoi feet**Fabric group 1 / Attic**

Da-184 95-575, VI-2 B 410/256

Fr. of moulded foot from cup-kantharos. H 2.8; Ø base 5. Milto in groove between moulding, two stamped palmettes preserved int.

Close to Rotroff 1997a, no. 101. Possibly from cup-kantharos with rotelle handles. 325-300 BC.

Other fabrics

Da-185 91-156, II-5 B 311/23

Fr. of moulded ring foot. H 1.8; Ø base 4.8. Fabric: 2.5YR 7/6, few very tiny lime particles. Black gloss, 10YR 2/1 black, semi-lustrous, slightly unevenly applied but evenly fired.

Possibly from a Hellenistic angular kantharos close to, for example, Rotroff 1997a, no. 206, 240-220 BC.

Various handles from cup-skyphoi or cup-kantharoi**Fabric group 1 / Attic**

Da-186 95-473, VI-2 B 410/258

Fr. of up-turned handle. H 3.2. Reserved band.

Da-187 95-472, VI-2 B 410/258

Fr. of up-turned handle. H 3.2. Reserved area inside handle.

Da-188 96-294, VI-3 R 477/287

Fr. of high swung, vertical handle. H 8.9.

Cf. Sparkes & Talcott 1970, no. 608, early 4th century BC.

Da-189 96-469, VI-3 B 474/290

Fr. of thin, delicate, horizontal handle, broken off at ca. middle. Ø close to body 1; Ø at bend 0.8.

Cf. Sparkes & Talcott 1970, no. 608, early 4th century BC.

Northwestern variant

Ca. 220-140 BC

Fabric group 7

Da-190 92-921, IV-4 B 353/224. Pl. 108

Fr. of stem and body, ledge on lower body. H 6.8. Not glossed. Traces of secondary burning.

Cf. Farmakovskij 1903, fig. 25; also represented in Bozkova 1997, pl. 1.2.

Da-191 93-673, III-3 B 368/105. Pl. 108

Rim fr., neck, body and stemmed conical foot, handle attachment, handles not preserved. H 15.4; Ø rim 8; Ø base 4.6.

CF. Farmakovskij 1903, fig. 25; also represented in Bozkova 1997, pl. 1.2.

Da-192 96-217, V R 469/231

Stemmed, moulded foot. H 3.4; Ø base 5.5. Only the lower part of the int. of the foot is glossed, unevenly applied.

Cf. Farmakovskij 1903, fig. 25; also represented in Bozkova 1997, pl. 1.2.

Da-193 94-561, VI-2 R 410/250. Pl. 108

Fr. of moulded foot. H 2.45; Ø base 4.25. Hole through upper part of foot, reused as tool.

CALYX CUPS

Three calyx cups are present in the material from Sector NGS. The earliest one, **Da-194**, is ascribed to Fabric group 4 and is thus difficult to date on the basis of parallels with finds from Athens, but it clearly belongs somewhere in the last quarter of the 4th century or the beginning of the 3rd century BC. This example has a plain body with a scraped groove on the upper part, which is in contrast to the examples from Athens, where all examples have a ribbed body. Two other later cups (**Da-195-Da-196**), dated to the period ca. 300-270 BC, have relief heads attached to the centre of the floor. One represents an African and the other, which is partly broken off, presumably a comic mask.

Ca. 325-275 BC

Fabric group 4

Da-194 95-120, II-5 B 390/33. Pl. 108

Fr. of body and base, groove just under shoulder ext., neck and rim missing. H 5.8; Ø base 1.9.

Close in shape to Rotroff 1997a, no. 118-120, but with plain body.

300-270 BC

Fabric group 1 / Attic

Da-195 88-1347. Pl. 109

Fr. of ribbed lower body and base, slight nipple, head of an African(?) in tondo. H 6.3 x 5.3. Miltos in groove on foot ext.

Cf. Rotroff 1997a, nos. 123, 125.

Da-196 89-1041. Pl. 109

Fr. of ribbed, lower body and base, comic mask, partly broken, head of old man or slave(?) in tondo. H 5; W 4.3. Gloss has flaked off in some places.

Cf. Rotroff 1997a, nos. 122, 126.

West Slope decoration

290-270 BC

Db-197 89-147, II-6 B 186/46

Body fr. of calyx cup, transition between upper and lower body with petal-like ribbing, incised groove at moulded transition of lower and upper body. Chequerboard decoration.

Identified from find-list illustration.

Cf. Rotroff 1997a, nos. 119-121. Chequerboard and rectangles are seen on Attic pieces from 270 to 86 BC, Rotroff 1997a, 64. Chequerboard Rotroff 1997a, nos. 123-124, 270 BC. Smetana-Scherrer 1982, nos. 497-498, 547, 4th to 3rd century BC.

SKYPHOI

The skyphos was one of the more popular drinking vessels in Athens during the 5th and 4th century BC.⁴⁰² In Olbia, the kylix seems to have been preferred over the skyphos, which is less well represented in the 5th century BC in Sector NGS. The majority of the Attic-type skyphoi are datable within the 5th century BC, while only one is dated to the first quarter of the 4th century BC. Four pieces are late (Da-207-Da-210) and comparisons with examples from the Athenian Agora would place them in the first quarter of the 3rd century BC. However, they could also belong to the second half of the 4th century BC, but this is difficult to evaluate due to their fragmented state. Most of the skyphoi are Attic, but individual pieces are ascribed to several other Fabric groups, in particular, the later skyphoi are characterized by a non Attic origin of their fabric. In comparison to the contemporary kylix it is interesting to note that, in contrast to the kylix, there are no imports of the earliest types of skyphoi. This is also seen in the decoration of the undersides, which on all preserved feet are reserved and decorated with concentric circles.⁴⁰³ Furthermore, it is worth noting that the gloss on the 5th century BC pieces is better applied and preserved than on the early Hellenistic ones.

500-480 BC

Fabric group 1 / Attic

Da-198 95-202, VI-3 B 434/281. Pl. 109

Fr. of straight rim. H 3.8; Ø rim 15. Three red bands under lip.

Cf. Sparkes & Talcott 1970, nos. 336-339.

Ca. 500-460 BC

Fabric group 1 / Attic

Da-199 95-244, II-5 B 390/34. Pl. 109

Fr. of straight rim. H 4.1; Ø rim 12.

Cf. Sparkes & Talcott 1970, nos. 336-342.

Da-200 95-591, VI-2 B 455/257

Fr. of ring foot. H 1.25; Ø base 5.5. Traces of red band on underside.

Cf. Sparkes & Talcott 1970, nos. 336-342.

500-450 BC

Fabric group 1 / Attic

Da-201 92-953, IV-3 B 343/213

Fr. of ring foot, flat rest. H 3.2; Ø base 7. Reserved rest and underside.

Cf. Sparkes & Talcott 1970, nos. 336, 361.

500-440 BC

Fabric group 1 / Attic

Da-202 97-141, VI-3 B 489/295

Fr. of straight rim. H 4.8; Ø rim 12.

Cf. Sparkes & Talcott 1970, nos. 336-343.

Other fabrics

Da-203 93-822, IV-4 B 397/219

Fr. of straight rim. H 3.6; Ø rim 12. Fabric: 5YR 6/6, some very tiny light-reflecting particles and few very tiny lime particles. Lustrous black gloss.

Close to Sparkes & Talcott 1970, nos. 336-343.

Ca. 470-440 BC

Fabric group 1 / Attic

Da-204 95-631, VI-2 B 410/258

Fr. of ring foot. H 3.8; Ø base 11. Scraped groove between body and foot, reserved rest.

Cf. Sparkes & Talcott 1970, nos. 342-343.

⁴⁰² Sparkes & Talcott 1970, 81-87; Rotroff 1997a, 94-96.

⁴⁰³ The early Attic skyphoi have completely glossed undersides, see Sparkes & Talcott 1970, 84.

Other fabrics

Da-205 89-757, II-2 B 248/8. Pl. 110

Fr. of ring foot. H 2.8; Ø base 6.5. Fabric: 5YR 6/8, few very tiny light-reflecting particles and a few very tiny lime particles. Lustrous gloss. Scraped groove between body and foot, reserved rest and underside.

Cf. Sparkes & Talcott 1970, nos. 342-343.

*400-375 BC***Fabric group 1 / Attic**

Da-206 95-546, II-5 R 451/42

Fr. of straight rim with very slightly out-turned rounded lip. H 2.6; Ø rim 15.

Cf. Sparkes & Talcott 1970, no. 349.

*300-275 BC***Fabric group 1 / Attic**

Da-207 95-545, II-5 R 451/42. Pl. 110

Fr. of out-turned rim, body and handle attachment. H 4.65; Ø rim 8.

Cf. Rotroff 1997a, nos. 152-153.

Da-208 01-1124, VI-3 B 661/304. Pl. 110

Fr. of ring foot and lower part of body. H 3.7; Ø base 4.75. Two Concentric circles on underside.

Cf. Rotroff 1997a, no. 152.

Fabric group 2

Da-209 92-664, IV-3 B 343/205

Fr. of out-turned rim. H 2.7; Ø rim 8.5. Worn on lip.

Cf. Rotroff 1997a, no. 152.

Fabric group 3

Da-210 93-891, III-3 B 368/106

Fr. of straight rim. H 3.2; Ø rim 12. Gloss: 5YR 5/6, Gley 1 2.5/N, flaked off in few places, slightly worn on rim, int. Ext. two white bands between a "lambda-shaped" decoration.

Cf. Rotroff 1997a, nos. 150-154.

BOLSALS

The nine bolsal fragments mostly belong to the last quarter of the 5th century BC. The six pieces **Da-212-Da-215** and **Da-218-Da-219** are clearly Attic imports, while the three remaining fragments are of different fabrics.

The shape of the lower part of the bolsals varies considerably in the last quarter of the 5th century BC, a characteristic which can also be observed among the bolsals from Sector NGS.⁴⁰⁴ The early date of

most of the bolsals is suggested by the lack, on most of the pieces, of the pronounced concave lower body common in the 4th century BC. The non-Attic **Da-217** probably represents a transitional stage to the 4th century BC. The decoration consists of a stamped palmette cross with two concentric circles and a central dot on the underside, both these features were common on bolsals of the early 4th century BC. The latest piece, **Da-219**, is Attic and belongs to the period ca. 380-350 BC, according to Sparkes & Talcott's chronology.⁴⁰⁵ Only two pieces, **Da-212** and **Da-217**, have stamped decoration preserved. However, since the lower body is only sufficiently preserved to recognize decoration on four of the pieces, this lack may be more apparent than real, although the two pieces **Da-214** and **Da-216** were clearly not decorated on the interior.

*Ca. 430 BC***Other fabrics**

Da-211 95-322, V Earth-dwelling 445/238

Fr. of handle and rim. H 2.2. Fabric: 10R 7/6, few very tiny black particles and few very tiny lime particles. Lustrous gloss, varies from 7.5YR 2.5/1 to 7.5YR 2.5/2, lower part of handle reserved.

Close to Sparkes & Talcott 1970, no. 534, although not securely from bolsal.

*425-400 BC***Fabric group 1 / Attic**

Da-212 95-24, VI-2 B 410/249. Pl. 148

Fr. of flat ring foot. H 1.5; Ø base 9.5. Band of rouletting, band of small stamped palmettes, three concentric bands of various sizes on underside.

Close to Sparkes & Talcott 1970, no. 554.

Da-213 93-341, III-2 B 389/87

Fr. of flat ring foot. H 1.9; Ø base 7. Some wear on the rest.

Close to Sparkes & Talcott 1970, no. 554.

Da-214 98-458, VI-3 Stove 561/307. Pl. 110

Fr. of moulded ring foot, up- and out-turned rest. H 2.95; Ø base 11. Red band between body and foot, two concentric red bands on underside.

Cf. Sparkes & Talcott 1970, no. 541.

Da-215 93-776, III-2 B 389/88

Fr. of straight rim. H 4.7; Ø rim 11. Repair hole on lower part of body.

Cf. Sparkes & Talcott 1970, no. 541.

Other fabrics

Da-216 91-313, IV-2 B 301/174

Fr. of broad, flattened, upturned ring foot, rounded rest. H 1.5; Ø base 7. Fabric: 10YR 7/4, many very tiny silver mica particles. Thin reserved band on lower body ext., on underside traces of milots, three concentric bands and central dot.

Cf. Sparkes & Talcott 1970, no. 541.

⁴⁰⁴ Corbett 1949, 332; Sparkes & Talcott 1970, 107.

⁴⁰⁵ Sparkes & Talcott 1970, 108.

Da-217 93-550, IV-4 B 351/218. Pl. 148

Fr. of flat ring foot. H 1.35; Ø base 6.5. Fabric: 7.5YR 2.5/2, few very tiny light-reflecting particles and few very tiny lime particles. Very dark, brown gloss, 7.5YR 2.5/2. Stamped palmette cross, three concentric circles on underside. Substantial wear on foot.

Cf. Sparkes & Talcott 1970, no. 554.

Early 4th century BC

Fabric group 1 / Attic

Da-218 91-311, IV-2 R 301/174

Fr. of straight, slightly out-turned rim and upper body. H 2.5; Ø rim 12.

Cf. Sparkes & Talcott 1970, no. 557.

380-350 BC

Fabric group 1 / Attic

Da-219 93-385, IV-3 R 383/197. Pl. 110

Fr. of body with flattened ring foot, flat rest. H 4.3; Ø base 7.5. Re-served underside.

Cf. Sparkes & Talcott 1970, no. 558.

MUGS

Ca. 420 BC

Fabric group 1 / Attic

Da-220 93-1011, III-3 R 359/123. Pl. 110

Rim fr., neck and ribbed body. H 4.4. Impressed band above ribbing.

Cf. Sparkes & Talcott 1970, no. 217. From Olbian necropolis, see Kozub 1974, 48, fig. 10.1.

TWO-HANDLED CUPS

The two-handled cup with carinated body and recurved handles is only represented by a small group in the NGS material. Seven examples have been identified and they roughly cover the period from the middle of the 2nd to the early 1st century BC. All of the identified fragments are rim fragments and we should probably expect the actual number of two-handled cups to be slightly higher had a secure identification of their bases been possible. The rim diameters range from 13 to 20, with the majority of the pieces in the more sizable range from 17 to 20.

Interestingly, one piece (**Da-221**), from around the middle of the 2nd century BC, has been ascribed to the possible local Fabric of group 6, while the three pieces of proper Knidian import, **Da-222-Da-224**, are

only more broadly datable to the period ca. 160-130 BC. Since further two pieces, **Da-226-Da-227** belong to Fabric group 6, we may conclude that initiatives to imitate the shape were taken in the local production and that not many other production centres seem to have been in play here.

The skyphoi **Da-228-Da-229** belong together with the group of Hellenistic Colour-Coated Ware A (see discussion above, p. 191).

Apart from the a early pieces mentioned above, the two other pieces of Fabric group 6 cups belong in the late span of our group, roughly dating from ca. 150 to the early 1st century BC, according to the closest shape parallels in the Athenian Agora material.

The shape has also been found in burials from the necropolis.⁴⁰⁶

In general, the shape, both in the Knidian version and in different local imitations, seems to have enjoyed great popularity all over the Hellenistic world.⁴⁰⁷ The imitations often have rouletting or stamped palmette decoration, which is also known from the Knidian production.⁴⁰⁸ Unfortunately, none of the NGS pieces are well enough preserved to judge whether decoration was present or not.

Ca. 175 BC to mid-2nd century BC

Fabric group 6

Da-221 89-836, IV-1 B 253/146

Fr. of straight rim, shallow carinated body, recurved handle. H 4.1; Ø rim 13. Gloss has flaked off in many places.

Close in shape to Rotroff 1997a, no. 406(?), but with higher-set handle.

Ca. 160-130 BC

Fabric group 2

Da-222 92-681, IV-4 B 351/218

Fr. of fairly straight, thin-walled rim, carinated body. H 5.4; Ø rim 18.5.

Close in shape to Rotroff 1997a, nos. 1577-1578.

Da-223 93-889, III-3 B 368/106

Fr. of fairly straight, thin-walled rim, recurved handle, carinated body. H 3.55; Ø rim 17.

Cf. Rotroff 1997a, nos. 1577-1578.

Da-224 93-1094, III-3 B 368/107. Pl. 110

Fr. of fairly straight, thin-walled rim, recurved handle, carinated body. H 3.3; Ø rim 17.

Cf. Rotroff 1997a, nos. 1577-1578.

Fabric group 3

Da-225 93-505, III-3 B 368/104

Fr. of fairly straight, thin-walled rim, recurved handle. H 3.75; Ø rim 15.

Close in shape to Rotroff 1997a, nos. 1577-1578.

⁴⁰⁶ Parovič-Pešikan 1974, 85-86.

⁴⁰⁷ The Knidian origin has been demonstrated by Kenrick (1985, 58-62). For the Athenian cups, see Rotroff 1997a, 119, 233-234.

⁴⁰⁸ Rotroff 1997a, 119; Kenrick 1985, 61-62.

*150-110 BC***Fabric group 6****Da-226** 93-129 + 93-130, III-3 B 368/102

Two non-joining frs. of fairly straight, thin-walled rim and recurved handle, carinated body. H 3.7; Ø rim 18. Gloss has flaked off in many places, much worn.

Close in shape to Rotroff 1997a, no. 401.

*Ca. 150 to early 1st century BC***Fabric group 6****Da-227** 93-904, III-3 B 368/106

Fr. of straight rim on sharply carinated body. H 3.9; Ø rim 20. Gloss has flaked off in many places, much worn.

Close in shape to Rotroff 1997a, nos. 402-403(?).

HELLENISTIC COLOUR-COATED WARE A SKYPHOI*Ca. 200-150 BC***Fabric group 10****Da-228** 92-796, IV-3-B 343/207. Pl. 110

Fr. of square, out-turned rim, handle swung up in a single flat loop. H 4.8; Ø rim 14.

Close to Domžalski 2007, fig. 7.

Da-229 92-797, IV-3 B 343/207. Pl. 110

Fr. of out-turned, thickened rim, very flat at top. H 2.7; Ø rim 14.

Domžalski 2007, fig. 4.c

MASTOS*200-100(?) BC***Fabric group 2****Da-230** 93-893, III-3 B 368/106. Pl. 110

Fr. of straight, slightly out-turned rim and thin-walled upper body, two grooves under rim ext., sharp ridge on int. below rim. H 4.8; Ø rim 16. Gloss is worn on lip. Three reserved concentric bands int.

Cf. Rotroff 1997a, nos. 329-330.

Brown-glossed group**CUPS AND BOWLS****Dc-231** 94-519, IV-2 B 302/187. Pl. 111

Rim fr. and body. H 5.3; Ø rim 19. Dense, light-red clay, no visible

inclusions. Brown gloss, no shine ext., red int. The rim is slightly in-turned, spherical body.

Cf. Rotroff 1997a, no. 163, 225-175 BC.

Dc-232 87-392, II-7 R 116. Pl. 111

Rim fr. with handle. H 3; Ø rim 7. Black-brown gloss, no shine. Vertical rim. At the bend of the handle, appliqué in the form of an ivy leaf.

Cf. Rotroff 1997a, no. 175, 300 BC.

Dc-233 01-385. Pl. 111

Rim fr. and body. H 5.7; Ø rim 11; Ø body 10. Dense, light-red clay. Brown gloss ext., red int. Rim is slightly straight, spherical body, horizontal handles. Three concentric grooves at the attachment of the handle, under the handle, incised lines at an angle to each other, ribbed body. Attic(?).

Cf. Rotroff 1997a, no. 279, 275 BC.

Dc-234 93-17, III-3 R 278/96. Pl. 111

Fr. of base and body. H 2.2; Ø base 3.8. Dense, dark-pink clay. Red gloss, no metallic shine. Low base, not profiled, spherical body.

Cf. Rotroff 1997a, no. 241, 250-225 BC.

CUPS WITH HANDLES**Dc-235** 93-726. Pl. 111

Rim and body. H 4.4; Ø 17. Light-red clay, no visible inclusions. weak, red-brown gloss. The rim is straight. Delos(?).

Cf. Rotroff 1997a, no. 391, 200-175 BC.

Dc-236 93-774, III-2 B 389/88. Pl. 111

Rim and body with fr. of handle. H 4.5; Ø 16. Light-pink clay, no visible inclusions. Brown gloss ext., red with metallic shine int. The rim is out-turned. Under rim fr. of handle. Delos(?).

Cf. Rotroff 1997a, nos. 391-393, 200-175 BC.

Dc-237 92-509. Pl. 112

Rim and body. H 6; Ø 23. Light-pink clay, no visible inclusions. Red gloss, no metallic shine. Ext. the gloss covers only top half of vessel. The rim is out-turned. Under rim handle is pressed in the middle in the place of transition from rim to body. Delos(?).

Cf. Rotroff 1997a, no. 391, 200-175 BC.

Dc-238 86-939, III-1 R 96/68. Pl. 112

Rim and body fr. H 3; Ø 12. Light-pink clay, no visible inclusions. Brown gloss with metallic shine, int. red. Ext. the gloss covers only top half of vessel. The rim is out-turned. Under rim handle is pressed in the middle in the place of transition from rim to body. Delos(?).

Cf. Rotroff 1997a, nos. 391-393, 200-175 BC.

Dc-239 93-170. Pl. 112

Rim and body fr. H 4; Ø 18. Light-yellowish clay, no visible inclusions. weak red gloss. The rim is out-turned. Under rim fr. of handle. Delos(?).

Cf. Rotroff 1997a, no. 392, 200-175 BC.

Dc-240 93-728. Pl. 112

Rim and body fr. H 4; Ø 14. Light-pink clay, no visible inclusions. Brown gloss ext., red with metallic shine int. Ext. the gloss covers only top half of vessel. The rim is straight. Under the rim the handle pressed in the middle in the place of transition from rim to body. Delos(?).

Cf. Rotroff 1997a, no. 392, 200-175 BC.

Dc-241 93-902, III-3 B 368/106. Pl. 112

Rim and body fr. H 3; Ø 14. Light-pink clay, no visible inclusions. Red-brown gloss ext., no metallic shine. The rim is straight. Under the rim the handle pressed in the middle in the place of transition from rim to body. Delos(?).

Cf. Rotroff 1997a, no. 393, 175-165 BC.

Dc-242 02-669. Pl. 112

Base fr. H 3; Ø base 4.2. Light-pink clay, no visible inclusions. Red gloss int., with metallic shine. Ext. the gloss covers only top half of vessel. Delos(?).

Cf. Rotroff 1997a, nos. 391-394, 200-165 BC.

Dc-243 99-505, VI R 591/241. Pl. 112

Base fr. H 3.7; Ø base 4.4. Light-pink clay, no visible inclusions. Red-brown gloss ext., red with metallic shine int. Ext. the gloss covers only top half of vessel. Near the base two concentric lines. Delos(?).

Cf. Rotroff 1997a, nos. 391-394, 200-165 BC.

Dc-244 95-137. Pl. 113

Base fr. H 2.2; Ø base 4.8. Light-pink clay, no visible inclusions. Red-brown gloss ext., with metallic shine. Ext. the gloss covers all surfaces of the vessel, including the base. Delos(?).

Cf. Rotroff 1997a, nos. 391-394, 200-165 BC.

Dc-245 97-685. Pl. 113

Fr. H 3; Ø rim 7; Ø base 4. Light clay. Brown gloss with metallic shine. Body rounded, smoothly extending to top, the rim is low, flat top, slightly slanting inwards, the horizontal handle is attached directly to the rim, the base is not preserved.

Dc-246 90-290, IV-1. Pl. 113

Rim fr. with handle. H 4.7; Ø rim 22. Dense, pink clay, no visible inclusions. Red gloss, no metallic shine. Vertical rim with figured handle.

Cf. Rotroff 1997a, no. 401, 150-110 BC.

Dc-247 89-835, IV-1 B 253/146. Pl. 113

Rim fr. with handle. H 3.8; Ø rim 18. Light clay with fine inclusions of lime particles. Red, weak gloss. Vertical rim with figured handle.

Cf. Rotroff 1997a, no. 401, 150-110 BC.

Dc-248 01-261. Pl. 113

Rim fr. with handle. H 3.5; Ø rim 18. Dense, red clay. Red gloss, no shine. Vertical rim with figured handle.

Cf. Rotroff 1997a, no. 401, 150-110 BC.

Dc-249 92-610, IV-3 B 343/204. Pl. 113

Rim fr. and body with handle. H 5.2; Ø rim 23. Dense light clay, no visible inclusions. Brown, weak gloss. Vertical rim with figured handle.

Cf. Rotroff 1997a, no. 401, 150-110 BC.

Dc-250 01-395. Pl. 113

Rim fr. with handle. H 3; Ø rim 22. Dense, pink clay. Red gloss, no shine. Vertical rim with figured handle.

Cf. Rotroff 1997a, no. 401, 150-110 BC.

Dc-251 93-506a. Pl. 114

Rim fr. with handle. H 3.4; Ø rim 15. Dense, red clay. Red gloss, no shine. Vertical rim with figured handle.

Cf. Rotroff 1997a, no. 397, 150-110 BC.

Dc-252 93-729. Pl. 114

Rim fr. with handle. H 3.9; Ø rim 15. Light clay, fine inclusions of lime particles. Gloss red, dull. Vertical rim with figured handle.

Cf. Rotroff 1997a, no. 397, 150-110 BC.

Dc-253 02-618. Pl. 114

Rim fr. and body with handle. H 6.5; Ø rim 12.5. Great number of lime inclusions. Brown gloss int., red ext., no metallic shine. Vertical rim, the rim is separated from the conical body by a profiled ledge, flat vertical handle.

Cf. Rotroff 1997a, no. 405, 225-200 BC.

Dc-254 00-943. Pl. 114

Rim fr. with handle. H 5; Ø rim 11. Dense, pink clay, no visible inclusions. Red-brown gloss, no metallic shine. Vertical rim, body conical, flat vertical handle with a ledge.

Cf. Rotroff 1997a, no. 405, 225-200 BC.

Dc-255 85-93. Pl. 114

Rim fr. and body with handle. H 6.5; Ø rim 12.5. Light(?) clay. Brown gloss, no metallic shine. Vertical rim, the rim is separated from the conical body by a profiled ledge, flat vertical handle with a ledge.

Cf. Rotroff 1997a, no. 405, 225-200 BC.

Dc-256 00-397. Pl. 115

Rim fr. H 3.9; Ø rim 19. Dense, pink clay, no visible inclusions. Brown gloss, no metallic shine. Vertical rim, conical body.

Cf. Rotroff 1997a, no. 405, 225-200 BC.

Dc-257 95-605. Pl. 115

Rim fr. H 4.3; Ø rim 16. Light clay, fine inclusions of lime particles. Brown gloss, metallic shine. Vertical rim.

Cf. Rotroff 1997a, no. 405, 225-200 BC.

Dc-258 92-84. Pl. 115

Rim fr. and body. H 4.4; Ø rim 23. Dense, red clay, no visible inclusions. Brown gloss ext., red int., no metallic shine. Vertical rim.

Cf. Rotroff 1997a, no. 405, 225-200 BC.

Dc-259 00-561. Pl. 115

Rim fr. H 3.8; Ø rim 19. Dense, pink clay, no visible inclusions. Brown gloss, metallic shine. Vertical rim, slightly in-turned.

Cf. Rotroff 1997a, no. 405, 225-200 BC.

CUPS WITH IN-TURNED RIMS

Dc-260 01-611. Pl. 115

Rim fr. and body. H 2.3; Ø rim 13. Dense, light-red clay, no visible inclusions. Red gloss, no metallic shine. Ext. the gloss covers only the top part of the vessel. Slightly in-turned rim, spherical body.

Cf. Rotroff 1997a, nos. 142-148, 290-250 BC.

Dc-261 01-522. Pl. 116

Rim fr. and body. H 4.5; Ø rim 23. Light-red clay. Brown gloss. The vessel has a rounded shape with in-turned rim.

Cf. Rotroff 1997a, no. 1018, 300-290 BC.

Dc-262 87-475. Pl. 116

Fr. H 4; Ø rim 7; Ø base 3. Grey clay, no visible inclusions. Black-brown gloss, metallic shine. The vessel has a rounded shape with in-turned rim. Ext. on the base a horizontal convex ledge.

Cf. Rotroff 1997a, no. 984, 310-300 BC.

Dc-263 02-448. Pl. 116

Fr. H 5; Ø rim 13.4; Ø base 5.6. Dense, light clay. Red gloss, no metallic shine. The vessel has a conical shape with in-turned rim, base not profiled. Inside on base three stamped ivy leaves.

Cf. Rotroff 1997a, no. 984, 310-300 BC.

Dc-264 01-386. Pl. 116

Rim fr. and body. H 2.6; Ø rim 10. Light clay, no visible inclusions. Brown gloss, metallic shine. The vessel has a rounded shape with in-turned rim.

Cf. Rotroff 1997a, no. 992, 250 BC(?).

Dc-265 00-276

Rim fr. and body. H 3.5; Ø rim 13. Red clay, no visible inclusions. Red-brown gloss with spots of black, metallic shine. The vessel has a conical shape with sharply in-turned rim.

Cf. Rotroff 1997a, no. 992, 250 BC(?).

Dc-266 85-181. Pl. 116

Fr. H 3.5; Ø rim 8; Ø base 3. Light clay, no visible inclusions. Brown gloss. The vessel has a conical shape with slightly in-turned rim, base not profiled.

Cf. Rotroff 1997a, no. 992, 250 BC(?).

Dc-267 02-956. Pl. 116

Fr. H 2.6; Ø rim 6.6; Ø base 3.2. Light clay, fine inclusions of lime particles. Brown gloss. The vessel has a conical shape with slightly in-turned almost vertical rim.

Cf. Rotroff 1997a, no. 992, 250 BC(?).

Dc-268 99-318. Pl. 116

Fr. H 2.7; Ø rim 8; Ø base 3. Light clay, fine inclusions of lime particles. Brown gloss. The vessel has a conical shape with slightly in-turned rim.

Cf. Rotroff 1997a, no. 992, 250 BC(?).

Dc-269 00-1334. Pl. 116

Rim fr. and body. H 3; Ø rim 19. Light red clay. Brown gloss, metallic shine. The vessel has a squat shape with in-curved rim.

Cf. Rotroff 1997a, no. 1051, 325-300 BC.

Dc-270 01-259. Pl. 117

Rim fr. and body. H 2.6; Ø rim 24. Red clay, with inclusions of particles of limestone. Brown gloss, metallic shine. Plain, in-turned rim.

Cf. Rotroff 1997a, no. 1023, 175-150 BC.

Dc-271 90-320, II-5 R 294/20

Fr. H 4; Ø rim 13; Ø base 4.4. Light clay, inclusions of fine sand. Black-brown gloss, no metallic shine. Body rounded, low base, not profiled, plain, in-turned rim.

Cf. Rotroff 1997a, no. 1063, 250 BC.

Dc-272 02-673. Pl. 117

Rim fr. H 4.2; Ø rim 10; Ø base 4. Dense, light clay, inclusions of sand. Brown gloss, ext. covers only top part of the vessel. The vessel has a conical shape with slightly in-turned rim.

Cf. Rotroff 1997a, no. 1061, 275-250 BC.

Dc-273 86-979, II-3 B 89. Pl. 117

Rim fr. and body. H 4.7; Ø rim 22. Light clay, inclusions of lime particles. Brown gloss int. in the form of concentric circles, no metallic shine. The vessel has a conical shape with in-turned rim.

Cf. Rotroff 1997a, no. 1008, 225-175 BC.

Dc-274 02-807. Pl. 117

Rim fr. and body. H 4; Ø rim 14. Light clay, with inclusions of particles of limestone. Red gloss, no metallic shine, ext. gloss covers only top part of the vessel. The vessel has a conical shape with in-turned rim.

Cf. Rotroff 1997a, no. 1010, 225-175 BC.

Dc-275 02-72. Pl. 117

Rim fr. H 3.6; Ø rim 6.6; Ø base 4.8. Light clay, fine inclusions of lime

particles. Brown gloss. The vessel has a rounded shape with in-turned rim, ring foot.

Cf. Rotroff 1997a, no. 1070, 325-295 BC.

Dc-276 94-84. Pl. 117

Rim fr. H 2.4; Ø rim 7; Ø base 4.6. Light clay, fine inclusions of lime particles. Brown gloss. The vessel has a rounded plain shape with in-turned rim, ring foot.

Cf. Rotroff 1997a, no. 1057, 300-275 BC.

Dc-277 94-141. Pl. 117

Rim fr. H 3; Ø rim 6; Ø base 4. Light clay, fine inclusions of lime particles. Brown gloss. The vessel has a rounded shape with in-turned rim, ring foot.

Cf. Rotroff 1997a, no. 1062, 250 BC.

Dc-278 90-171. Pl. 117

Rim fr. and body. H 3; Ø rim 11.5. Light clay, no visible inclusions. Red gloss int., ext. brown in the top part, below a strip of red, base part is not covered by gloss. The vessel has a conical shape with slightly in-turned rim.

Cf. Rotroff 1997a, no. 986, 300 BC.

Dc-279 92-776, III-1 Stove 329/71. Pl. 117

Rim fr. and body. H 4; Ø rim 13. Dense, red clay, inclusions of lime particles. Red gloss int., brown ext. The vessel has a conical shape with slightly in-turned rim.

Cf. Rotroff 1997a, no. 1011, 175 BC.

Dc-280 89-364. Pl. 117

Rim fr. H 5.7; Ø rim 9; Ø base 5. Pink clay, porous. Red gloss, no metallic shine, covers vessel completely int. and ext. The vessel has a conical shape with in-turned rim, ring foot.

Cf. Rotroff 1997a, no. 1007, 225-175 BC.

Dc-281 99-1496. Pl. 118

Rim fr. H 5.5; Ø rim 13; Ø base 7. Light clay, fine inclusions of lime particles. Brown gloss. The vessel has a conical shape with in-turned rim, high ring foot.

Cf. Rotroff 1997a, no. 1007, 225-175 BC.

Dc-282 95-135. Pl. 118

Rim fr. and body. H 5.4; Ø rim 20. Light clay, inclusions of lime particles. Brown gloss ext., red int., no metallic shine. The vessel has a conical shape with in-turned rim.

Cf. Rotroff 1997a, no. 1007, 225-175 BC.

Dc-283 93-264, III-3 B 368/102. Pl. 118

Rim fr. and body. H 5; Ø rim 14. Light clay. Brown gloss int., red ext., no metallic shine. The vessel has a conical shape with in-turned rim.

Cf. Rotroff 1997a, no. 1007, 225-175 BC.

Dc-284 86-989. Pl. 118

Rim fr. and body. H 6; Ø rim 17. Light red clay, porous, no visible inclusions. Red-brown gloss, no metallic shine. The vessel has a conical shape with in-turned rim.

Cf. Rotroff 1997a, no. 1010, 225-175 BC.

Dc-285 99-461. Pl. 118

Rim fr. and body. H 6.5; Ø rim 26. Light clay, no visible inclusions. Brown gloss, no metallic shine. The vessel has a conical shape with in-turned rim.

Cf. Rotroff 1997a, no. 1010, 225-175 BC.

Dc-286 86-688. Pl. 118

Fr. of vessel. H 5.6; Ø rim 18; Ø base 10. Dense, light clay. Red-brown

gloss, metallic shine. The vessel has a rounded shape, rim not in-turned. Inside vessel three or four stamped palmettes and two concentric circles of rouletting at the base. Traces of repair.

Cf. Rotroff 1997a, no. 1038, 175 BC.

CUPS WITH FLAT OR STRAIGHT RIMS

Dc-287 02-746a. Pl. 119

Rim fr. and body. H 4.4; Ø rim 11; Ø base 4.5. Light clay, no visible inclusions. Red gloss, no metallic shine. The vessel has a rounded hemispherical shape, rim is almost vertical, ring foot.

Cf. Rotroff 1997a, no. 1041, 140-110 BC.

Dc-288 00-1024. Pl. 119

Rim fr. and body. H 4; Ø rim 27.4. Dense, light clay. Red gloss, no metallic shine. The vessel has a conical shape, rim slightly thick, not in-turned, the top side smoothed.

Cf. Rotroff 1997a, no. 1042, 110-86 BC.

Dc-289 00-236. Pl. 119

Rim fr. and body. H 2; Ø rim 6. Dense, red clay. Red gloss, metallic shine. The vessel has a conical, rounded shape, rim slightly thick, not in-turned, the top side smoothed, on it two concentric grooves.

Cf. Rotroff 1997a, no. 937, 225-175 BC.

Dc-290 92-555. Pl. 119

Rim fr. H 4; Ø rim 8.2. Brown gloss. The vessel has a rounded shape with thickened rim separated outside by ring deepening/cut. Traces of repair in the form of drilled holes.

Cf. Rotroff 1997a, no. 1108, 200-175 BC.

Dc-291 01-950. Pl. 119

Rim fr. and body. H 4; Ø rim 14. Light clay, fine inclusions of lime particles. Brown gloss, metallic shine. The vessel has a rounded shape with thickened rim with an encircling groove below it.

Cf. Rotroff 1997a, no. 1108, 200-175 BC.

Dc-292 01-406. Pl. 119

Rim fr. and body. H 5.4; rim 14. Dense clay, no visible inclusions. Brown gloss int., red ext., metallic shine, base is not glossed. The vessel has a bi-conical shape with the edge separating the lower and upper parts of the body, with thickened, slightly out-turned rim.

Cf. Rotroff 1997a, no. 909, 260 BC.

Dc-293 92-378, III-3 R 359/113. Pl. 119

Fr. of vessel. H 3.5; Ø rim 7. Dense, red clay, no visible inclusions. Red gloss. The vessel has a rounded shape with thickened rim, ring foot, not profiled.

Cf. Rotroff 1997a, no. 918, 225-175 BC.

Dc-294 89-307. Pl. 119

Rim fr. and body. H 6.5; Ø rim 22. Light clay, fine inclusions of lime particles. Brown gloss, metallic shine. The vessel has a rounded shape with thickened rim.

Cf. Rotroff 1997a, no. 1108, 225-175 BC.

Dc-295 86-46. Pl. 120

Rim and body. H 4; Ø 17.2. Light clay, no visible inclusions. Red gloss int., no metallic shine. Ext. white slip, polished. Straight rim. Delos(?).

Cf. Rotroff 1997a, no. 922, 225-175 BC.

Dc-296 93-141. Pl. 120

Fr. of vessel. H 2.4; Ø rim 8; Ø base 3.6. Light clay, no visible inclu-

sions. Brown gloss, base not covered by gloss. The vessel has a flattened conical shape with the smooth edge separating the base from top, slightly straight rim, ring foot, not profiled.

Cf. Rotroff 1997a, no. 907, 275-250 BC.

Dc-297 02-402. Pl. 120

Fr. H 2.5; Ø rim 8; Ø base 3.6. Light clay, inclusions of lime particles. Weak-brown gloss, base not covered by gloss. The vessel has a flattened conical shape with a smooth edge separating the base from top, with rounded, out-turned rim, ring foot, not profiled.

Cf. Rotroff 1997a, no. 907, 275-250 BC.

Dc-298 93-430, II-7 P 1/66. Pl. 120

Rim fr. and body. H 3; Ø rim 11. Light clay, no visible inclusions. Brown gloss, hardly any metallic shine. The vessel has a conical shape with vertical, slightly out-turned rim.

Cf. Rotroff 1997a, no. 907, 275-250 BC.

Dc-299 00-1493. Pl. 120

Rim fr. and body. H 2.2; Ø rim 11. Dense, dark-pink clay, no visible inclusions. Red gloss. The vessel has a conical shape with a smooth edge separating the base from top, rim slightly out-turned.

Cf. Rotroff 1997a, no. 918, 225-175 BC.

Dc-300 01-1072. Pl. 120

Rim fr. and body. H 2.4; Ø rim 11. Dense, light-red clay, no visible inclusions. Red-brown gloss, metallic shine. The vessel has a conical shape with an edge separating the base from top, with thickened, slightly out-turned rim.

Cf. Rotroff 1997a, no. 918, 225-175 BC.

Dc-301 93-727. Pl. 120

Rim fr. and body. H 3; Ø rim 14. Light clay, no visible inclusions. Brown gloss. The vessel has a conical shape with an edge separating the base part from top, rim slightly out-turned.

Cf. Rotroff 1997a, no. 925, 175 BC.

Dc-302 94-590, IV-2 B 302/179. Pl. 120

Fr. H 4.9; Ø rim 15; Ø base 9. Light clay, no visible inclusions. Brown gloss. The vessel has a conical shape, rim out-turned.

Cf. Rotroff 1997a, no. 925, 175 BC.

Dc-303 93-167. Pl. 120

Rim fr. and body. H 3; Ø rim 14. Light clay, inclusions of lime particles. Weak, red-brown gloss. The vessel has a conical shape with an edge separating the base part from top, rim slightly out-turned.

Cf. Rotroff 1997a, no. 953, second half of 1st century BC.

Dc-304 01-79. Pl. 120

Fr. H 4.8; Ø rim 16; Ø base 6.6. Light clay, no visible inclusions. Brown gloss. The vessel has a conical shape, rim out-turned, top part is separated from the base by a low edge, under rim concentric deepening, ring foot, not profiled.

Cf. Rotroff 1997a, no. 953, second half of 1st century BC.

Dc-305 93-209, III-3 B 368/102. Pl. 120

Fr. H 4; Ø rim 12; Ø base 5. Light clay, no visible inclusions. Brown gloss. The vessel has a conical shape with a smooth edge separating the base from top, rim slightly out-turned, ring foot, not profiled.

Cf. Rotroff 1997a, no. 940, 150-50 BC.

Dc-306 89-45, II-6 B 195/55. Pl. 121

Fr. H 4.8; Ø rim 15; Ø base 7. Dense, red clay, no visible inclusions. Red gloss, weak, not covering all surfaces of vessel, circle of gloss int., rim glossed partially, gloss covers top part of vessel ext. The vessel has

a conical shape with a smooth edge separating the base from top, rim slightly out-turned, ring foot, not profiled.

Cf. Rotroff 1997a, no. 890, 225-200 BC.

Dc-307 95-381. Pl. 121

Fr. H 4.2; Ø rim 6.3; Ø base 3. Light clay, no visible inclusions. Brown gloss. The vessel has a rounded shape with a smooth edge separating the base from top, rim almost vertical, slightly out-turned, ring foot.

Cf. Rotroff 1997a, no. 858, 300-290 BC.

Dc-308 86-425. Pl. 121

Fr. H 2.8; Ø rim 10; Ø base 4.8. Light clay, no visible inclusions. Brown gloss. The vessel has a conical shape with a smooth edge separating the base from top, rim slightly out-turned, ring foot, not profiled.

Cf. Rotroff 1997a, no. 982, 300-275 BC.

Dc-309 86-818. Pl. 121

Fr. H 4.5; Ø rim 13; Ø base 5. Pink clay, no visible inclusions. Black-brown gloss, metallic shine. The vessel has a flattened shape with a smooth edge separating the base from top, rim slightly out-turned, high ring foot, not profiled. In base three circles of rouletting.

Cf. Rotroff 1997a, no. 871, 300-290 BC.

Dc-310 01-36. Pl. 121

Rim fr. and body. H 3.5; Ø rim 14. Dense, pink clay, no visible inclusions. Red gloss. The vessel has a rounded shape, almost vertical, slightly out-turned rim.

Dc-311 86-25. Pl. 121

Fr. H 3; Ø rim 9.2; Ø base 4. Light clay, inclusions of lime particles. Brown gloss, no metallic shine, in the form of concentric circles (int. three circles and glossed rim, ext. unglossed). Body rounded, smoothly extending to top, rim is flat on top with rounded outer edge, slanting outwards, base poorly preserved.

Dc-312 01-615. Pl. 121

Rim fr. and body. H 3.8; Ø rim 14. Light clay, no visible inclusions. Brown gloss, no metallic shine, covers vessel ext., int. only on rim. The vessel has a conical shape with a sharp edge separating the base from top, rim slightly out-turned. Under rim, encircling horizontal flange.

Dc-313 92-793, IV-3 B 343/207. Pl. 121

Rim fr. H 2.5; Ø rim 10.4. Red clay. Brown gloss. The rim is sharply out-turned at a right angle, top part of rim has flat surface. Direct analogies are not found, but it can be dated to the Hellenistic period.

Dc-314 00-1228. Pl. 121

Fr. H 4.2; Ø rim 8.6; Ø base 3.6. Light, friable clay, layered, with inclusions of sand. Almost red gloss, no metallic shine. The vessel has a rounded shape, out-turned rim with horizontal groove, ring foot. Probably local manufacture.

Dc-315 93-985, II-5 B 390/27. Pl. 121

Rim fr. and body. H 4.3; Ø rim 15. Dense, light clay. Red gloss, no metallic shine. The vessel has a conical shape. Direct analogies are not found, but it can be dated to the Hellenistic period.

Dc-316 90-253. Pl. 122

Rim fr. and body. H 5; Ø rim 15. Dense, light clay, inclusions of fine lime particles. Brown gloss, no metallic shine. The vessel has a conical shape, rim is not preserved. Inside four scratched concentric lines.

Dc-317 88-438. Pl. 122

Fr. of base and body. H 5.5; Ø base 4.6. Dense, light clay. Red gloss, no metallic shine. The vessel has a conical shape, ring foot, not profiled.

Dc-318 90-134. Pl. 122

Rim fr. and body. H 5; Ø rim 19. Light clay, no visible inclusions. Brown gloss, almost no metallic shine. The vessel has a conical shape with a vertical rim.

Dc-319 86-353. Pl. 122

Base fr. H 2.3; Ø base 8. Light clay. Black-brown gloss, metallic shine. Int. a circle of red colour, stamped palmette. Ring foot, not profiled.

2. STORAGE AND SERVING VESSELS

AMPHORAS

Only one piece among the NGS material has been securely identified as an amphora **Da-320**. It is a rim fragment from a neck-amphora with a moulded lip. The neck seems to have met the body at a straight angle which distinguishes it from the one-piece amphoras. The angularity of the upper moulding and the less pronounced moulding further down the neck deviate from the examples from the Athenian Agora. However, there can be no doubt of the Attic origin of this piece. Comparing it to early neck-amphoras, it should be dated sometime in the late 6th century BC, making it one of the earliest imported black-glossed pieces amongst the NGS material.

Furthermore, two catalogue entries, **Da-321-Da-322**, have been tentatively suggested as belonging to amphoras, although no obvious parallels have been encountered for these specific types.

Late 6th century BC

Fabric group 1 / Attic

Da-320 93-381, IV-3 R 383/197. Pl. 122

Fr. of moulded rim, thick and square with flat lip. H 4.2; Ø rim 12. Gloss has flaked off in places.

Cf. Sparkes & Talcott 1970, no. 2.

Other fabrics

Da-321 99-485, VI R 591/241. Pl. 122

Fr. of out-turned rim and part of upper body, slight bulb just below the lip. H 4; Ø rim 14. Gloss has flaked off in several places.

Da-322 91-474, III-3 R 278/91

Three joining frs. of out-turned, flattened rim. H 2.3; Ø rim 17. Gloss is very worn and has flaked off in many places. One repair hole.

West Slope decoration

4th century BC

Fabric group 3

Db-323 90-402 + 90-402a, IV-2 B 280/163. Pl. 122

Three frs. of moulded rim and tiny part of neck. H. 5.2; Ø rim 18. Fabric: 2.5YR 5/4, well levigated with small voids, many white particles, medium hard-fired. Gloss: Gley 1 3/10Y, int. also 10R 4/4, uneven in colour, flaked off, slightly lustrous, metallic sheen. Spearhead garland

with white strap and incised links between spearheads in added clay, incised groove below rim. Four repair holes, one with lead clamp.

Cf. Behr 1988, no. 95. Pergamon D71, 140-130 BC. According to Rotroff, this type was introduced in the early 2nd century BC (Rotroff 2002, 99-100, fig. 1,2). Black Sea finds: Stefani 1880, 12, no. 5 suppl., late 2nd century BC; Boehlau 1908, no. 302, taf. VII.17; Knipovic 1949, 271, fig. 3.1-2; Belin de Ballu 1972, 118-119, tab. 39.3, 2nd century BC; Parović-Pešikan 1974, 124, figs. 100.1, 100.3.

Db-324 99-447 + 99-727 + 99-729 + 99-486, VI-2 B 591/242. Pl. 123
Five joinings frs. H 7; Ø rim 22. Moulded rim, more than half of neck preserved. Fabric: 2.5YR 6/6, well levigated, hard fired, many voids from 0.01 mm to 0.1 mm, lots of white particles, from tiny to large, 0.1 mm to 1 mm, small stones, shells. Gloss: even in colour, evenly applied, few flakes on outside, much flaked on rim, semi-lustrous, metallic sheen, 5Y 2.5/1. Thick white straps hanging from incised taenia.

Analogies as **Db-323**.

Db-325 91-410, IV-1 B 315/137. Pl. 123

Two joined body frs. H 6.4. Fabric: 2.5YR 6/8, hard fired, well levigated, small voids, much quartz, many white particles less than 0.1 mm, few mica. Gloss: even in colour, evenly applied, flaked off in places, few flakes on int., semi-lustrous, metallic sheen, duller int., Gley 1 2.5/N, int. 10R 4/8. A broad yellow line on upper body, a white line between the two incised lines at transition from lower and upper body, ribbed body. Large repair with lead clamps still in place.

Cf. Schäfer 1968, D71, 140-130 BC. According to Rotroff, the type was introduced in the early 2nd century BC (2002, 99-100, fig. 1.2). Parović-Pešikan 1974, 124, fig. 100.3.

Db-326 89-149, II-6 B 186/46

Body fr. H 4.5. Thick wall, 0.7 cm, only part of shoulder preserved, angle at transition from lower to upper body. Fabric: 7.5YR 5/6, many voids from 0.01 mm to 0.1 mm, hard fired, well levigated, many tiny shells, few tiny mica. Gloss: even in colour, evenly applied, glazing crazed in places, few flakes, uneven in colour int. with brownish spots. There is a hole on the int. which looks to have been drilled, but not all the way through. Gloss: Gley 1 2.5/N, int. 5YR 4/6. Garland of ivy leaves, with three stems, one going through, wavy line in added clay.

Cf. Schäfer 1968, D 70, 140-130 BC.

Fabric group 4

Db-327 93-263, III-3 B 368/102. Pl. 123

Fr. of handle, naked male standing ithyphallic, perhaps Attis, preserved from part of feet to scrotum, more drapery than the Sardis example Rotroff & Oliver Jr. 2003, no. 174, H 6.4. Fabric: 2.5YR 5/6, semi hard fired, micaceous, well levigated, tiny black particles. Gloss: semi-lustrous, very flaked off, worn on legs, glossed on backside, evenly applied, even in colour, Gley 1 3/N.

Cf. Rotroff & Oliver Jr. 2003, no. 174, late Hellenistic.

Fabric group 5

Db-328 92-800, IV-3 B 343/207

Body fr. H 2.8. Fabric: 5YR 5/6, hard fired, well levigated, many small white particles less than 0.1 mm. Gloss: unglossed on int., gloss very flaked on ext., even in colour, evenly applied, lustrous, metallic sheen, Gley 1 2.5/N. Yellowish garland in added clay of heart-shaped ivy leaves and stems incised.

Cf. Schäfer 1968, D70, 140-130 BC; Parović-Pešikan 1974, 124, fig. 100.2.

Db-329 94-512, IV-2 B 302/186. Pl. 123

Fr. of handle, naked man holding drinking vessel in left hand, perhaps Attis. H 8.2. Fabric: 10YR 5/4, even in colour, hard fired, few black particles, many silver flakes, few lime. Gloss: dull, heavily destroyed by secondary burning, flaked off in places, varies in colour, 10YR 3/1 to 7.5YR 4/6, medium quality.

Cf. Rotroff & Oliver Jr. 2003, no. 174, late Hellenistic.

Fabric group 6

Db-330 91-408, IV-1 B 315/137

Fr. of moulded rim. H 5.4; Ø rim 16. Fabric: 7.5YR 7/6, well levigated, hard fired, many small voids, small white particles less than 0.2 mm. Gloss: slightly lustrous, colour evenly applied, flaked off in many places, 7.5YR 2.5/2, int. 2.5YR 3/6. Two not straight incised bands, below the rim shadow of thicker white line.

Cf. Schäfer 1968, D71, 140-130 BC. According to Rotroff, the type was introduced in the early 2nd century BC (Rotroff 2002, 99-100, figs. 1-2).

No parallel to decoration.

Db-331 93-907, III-3 B 368/106

Body fr. H 4.2. Rotelles at base of handle, only small part of body preserved at base of one handle. Fabric: 10YR 7/4, well levigated, from small to larger voids 0.1 mm to 0.5 mm, hard fired. Gloss: slightly lustrous, even in colour, flaked off in many places, glossed on int., flaked off in many places, slight metallic sheen, int. 2.5YR 3/4, ext. Gley 1 2.5/5GY. A small curl just above one of the rotelles, perhaps beginning of ivy garland with shadow of ivy leaf. Lower body ribbed by incised grooves, very poor quality. Pergamene style.

Lungu 2000-2001, nos. 33-34, 272-273, no. 2, 100-86 BC.

Db-332 93-203, III-3 B 368/102

Fr. of foot. H 3.1; Ø base 10. Fabric: 7.5YR 6/6, well levigated, hard fired, lots of small voids less than 1 mm, many white particles less than 0.1 mm, small stones less than 0.2 mm. Gloss: evenly applied, uneven in colour, worn on int., flaked on ext., 5YR 4/4, int. 5YR 5/4. Very small part of decoration preserved, six incised vertical lines, perhaps leaf(?).

Parović-Pešikan 1974, 124, fig. 100.5; Lungu 2000-2001, 272, no. 1, 100-86 BC.

Db-333 91-505, II-5 B 311/22

Body fr. Vegetal garland frieze at shoulder, uncertain if incised or painted.

Identified from find-list illustration.

Cf. Smetana-Scherrer 1982, no. 524, similar kind of ornaments dated to the first half of the 3rd century BC; Radt & DeLuca 1999, no. 451, same kind of ornaments.

Db-334 92-408, IV-3 B 343/202

Fr. of moulded rim and neck preserved down to shoulder. Spearhead necklace with incised links(?). Palmette on shoulder just below groove at transition between neck and shoulder.

Identified from find-list illustration.

Boehlau 1908, no. 302, taf. VII.17; Schäfer 1968, D71, 140-130 BC; Behr 1988, no. 95.

Db-335 93-49, II-7 P 1/64

Fr. of neck and shoulder preserved to upper body. and moulded rim with two grooves beneath rim, groove at transition between shoulder and upper body. Spearhead necklace on neck, garland of ivy leaves and white(?) dots on shoulder.

Identified from find-list illustration.

Cf. Schäfer 1968, D71, 140-130 BC; Behr 1988, no. 95. Accord-

ing to Rotroff, this type was introduced in the early 2nd century BC (Rotroff 2002, 99-100, fig. 1-2). Black Sea finds: Stefani 1880, 12, no. 5 suppl., late 2nd century BC; Knipovic 1949, 271, figs. 3.1-2; Belin de Ballu 1972, 118, tab. 39.3, 2nd century BC; Parovič-Pešikan 1974, 124, figs. 100.1, 100.3. Boehlau 1908, no. 302, taf. VII.17; Rotroff 1997a, no. 1276, ivy garland with central wavy stem, 120-86 BC?.

JUGS

Despite the long chronological period from ca. 325 to just after the middle of the 2nd century BC that they cover, only 15 jugs in total were found in Sector NGS. The jugs are divided into five subtypes which are: choes **Da-336-Da-339**, filter jugs **Da-340-Da-342**, small jug with wide mouth **Da-343**, olpai **Da-344-Da-348** and two other jugs **Da-349-Da-350**. The choes cover the chronological span from ca. 325 to 200 BC. Two of the earliest pieces are of Attic manufacture, while another two belong to the presumed Pergamene production of Fabric group 3 and the unidentified production centre of Fabric group 5. A later piece, **Da-339**, tentatively dated by its closest parallels in the Athenian Agora material to ca. 225-200 BC, belongs in the presumed local production of Fabric group 6. In general, the choes are quite worn and the gloss has flaked off on most pieces. The popularity of the shape in the Mediterranean and especially at Athens makes the relatively low numbers in NGS stand out.⁴⁰⁹

The filter jug is represented by three pieces dated around ca. 200-150 BC. Two examples, **Da-340-Da-341**, belong to the local Fabric group 6, while **Da-342** belongs to the category of "other fabrics". Again, the gloss is heavily flaked off and much worn. In the Mediterranean the shape seems to be mainly concentrated in the East where it occurs at several sites.⁴¹⁰

There is only one piece of a jug with a wide mouth **Da-343**, which seems to have been quite a rare shape among the Athenian Agora material.⁴¹¹ The shape is also found in the Olbian Agora excavations.⁴¹² Although there are not so many pieces in the Athenian material, other sites in the Hellenistic world have yielded quite a few examples.⁴¹³

There are only five fragments of what are most probably olpai in the NGS material.⁴¹⁴ The earliest piece, **Da-344**, dates ca. 575-550 BC according to its closest parallels, but the fabric is not ascribed to any known production centre and the date provided by the material from the Athenian Agora is thus rather tentative. Three pieces (**Da-345-Da-347**) are dated slightly later to ca. 500-480 BC. The first pieces are of Attic manufacture the latter is ascribed to Fabric group 2.⁴¹⁵

Da-350 is a very interesting piece. It is most probably an oinochoe or some other kind of small jug with an applied "medallion" which holds the incised letters OA. The letters have been incised before the jug was glossed. The jug was presumably used as an official measuring jug similar in function to the agoranomoi oinochoai also found in Olbia

and Didova Chata (see also **G-128** in greyware).⁴¹⁶ The fabric is that of Fabric group 6 and the jug thus forms the basis for the assumption of Fabric group 6 as a local production. Unfortunately, the fragment is rather small and therefore difficult to date. Before the middle of the 3rd century BC the agoranomoi measuring vessels are stamped. **Da-350** should therefore perhaps be dated after the middle of the century. It would have been interesting to estimate the exactly amount of liquid held by the jug had it been better preserved. **Da-344** has a dipinto on the underside, which presumably reads "ελ".

Choes

325-275 BC

Fabric group 1 / Attic

Da-336 96-235, II-5 B 390/40

Fr. of lower body, conical moulded foot. H 3.1; Ø base 3.3. Gloss has flaked off in few places. Reserved underside.

Closest parallel Rotroff 1997a, no. 474, ca. 325-300 BC.

Fabric group 3

Da-337 95-21, VI-2 B 410/249. Pl. 124

Two frs. of rounded, lower body, squat foot, unevenly potted. H 6.3; Ø base 6. Gloss has flaked off in places, varies greatly in colour from black to red, 2.5YR 4/8.

Closest parallels Rotroff 1997a, nos. 475-476.

Fabric group 5

Da-338 87-540, II-3 B 89/10

Two joining frs. of lower body and flat base. Heavy tool marks int. H 4.6; Ø base 6.05. Gloss has flaked off in many places.

Close to Rotroff 1997a, nos. 474-475(?), 325-275 BC.

225-200 BC

Fabric group 6

Da-339 87-539, II-3 B 89/10

Five joining body frs. H 6.3; Ø body 8.8. Gloss has flaked off heavily.

Possibly close to Rotroff 1997a, nos. 478-479(?).

⁴⁰⁹ Pouring vessels are much more numerous among the local grey ware and red clay pottery (see Karjaka in this vol.). For the Attic material and the general development within the Mediterranean world, see Rotroff 1997a, 125-127.

⁴¹⁰ See Rotroff 1997a, 181-182, for a discussion of the filter jug's function.

⁴¹¹ Rotroff 1997a, 130-131.

⁴¹² Levi 1964b, 255-256.

⁴¹³ For references, see Rotroff 1997a, 130.

⁴¹⁴ The development of the olpe is described in Sparkes & Talcott 1970, 76-79.

⁴¹⁵ The area around Knidos has recently been subjected to more intensive investigations and Archaic material from the so-called "Old Smyrna" has appeared. However, our knowledge of pottery production at Knidos in the Archaic period is still very limited, see Numan 2004.

⁴¹⁶ For the agoranomoi measuring vessels from Olbia, see Levi 1956, 62-63, fig. 21-22; Diatroptov & Rusjaeva 1993; Krapivina 2003, 128. For Didiva Chata, see Ruban 1982.

Filter jugs*Ca. 200-175 BC***Fabric group 6****Da-340** 96-520, II-5 B 390. Pl. 124

Fr. of out-turned neck, sharply offset shoulder. H 5.9. Ø neck 6.1. Gloss is very worn.

Close to Rotroff 1997a, no. 1186(?).

*200-150 BC***Fabric group 6****Da-341** 93-266, III-3 B 368/102

Two joining frs. of upper body, spout broken off. H 4.9. Gloss has flaked off in many places.

Could be any spout from Rotroff 1997a, nos. 1086-1088.

*200-100 BC***Other fabrics****Da-342** 93-551, IV-4 B 351/218

Fr. of strainer, probably from a filter jug(?) H 1.4; Ø 2.9. Fabric: 7.5YR 7/6, many very tiny light-reflecting particles, many very tiny lime particles, hard fired. Lustrous black gloss, metallic, evenly applied, evenly fired, flaked off in several places.

Closest parallels Rotroff 1997a, nos. 1185-1189.

Small jug, wide mouth, type 2*4th to 3rd century BC***Fabric group 9****Da-343** 89-852, IV-1 B 253/146. Pl. 124

Fr. of wide mouth, down-turned rim, short, grooved neck, offset shoulder, double handle bound with loop of clay at arch. H 3.6; Ø rim 5.4.

Morel 1981, 5362a1, 4th to 3rd century BC. More likely in the middle of the period.

Olpe, trefoil*Ca. 575-550 BC***Other fabrics****Da-344** 99-494, VI R 591/241. Pl. 124

Fr. of conical, flaring ring foot, flat rest. H 2.9; Ø base 6.1. Semi-lustrous black gloss, slightly streaky ext. Reserved band at bottom of foot ext., reserved underside.

Closest parallel Cf. Sparkes & Talcott 1970, no. 240, but much smaller.

Olpe, footed*Ca. 500-480 BC***Fabric group 1 / Attic****Da-345** 93-705, IV-3 R 383/198

Fr. of flat, projecting foot and lower body of closed vessel possibly an olpe. H 2.4; Ø base 4. Gloss unevenly applied, possibly dipped.

Seems closest in shape to Sparkes & Talcott 1970, no. 264, although somewhat smaller, ca. 500 BC.

Da-346 95-627, VI-2 B 410/258

Fr. of rounded handle. H 4.95. Two repair holes.

Close in shape to Sparkes & Talcott 1970, no. 276(?).

Fabric group 2**Da-347** 96-467, VI-3 B 474/290

Fr. of out-turned rim and neck. H 4; Ø rim 6.5. Gloss flaked off in places.

Close to Sparkes & Talcott 1970, no. 276.

*250-225 BC***Fabric group 1 / Attic****Da-348** 95-198, VI-2 B 410/254

Fr. of lower body and simple flat base. H 1.95; Ø base 3.

Close to Rotroff 1997a, no. 507(?).

Other jugs**Fabric group 1 / Attic****Da-349** 87-430, II-3 B 89/11

Fr. of false ring foot, flat rest. H 3.25; Ø base 12. Gloss has flaked off in places. Reserved underside, slipped int., 5YR 5/6. Probably from small jug(?).

Fabric group 6**Da-350** 93-765, VI-1 P 384/244. Pl. 124

Fr. of upper body of jug, ridge on the middle of the body. H 6.9; W 4.1. Gloss has flaked off in some places. Applied stamp with incised letters (OA).

Second half of the 3rd century BC(?).

Brown-glossed group**Jugs****Dc-351** 01-59. Pl. 124

Upper part. H 9.3; Ø rim 8; Ø body 20. Dense, light clay, a small number of lime inclusions. Brown gloss. High neck smoothly set on

rounded body, straight rim outside with superficial depression at the upper edge, handle oval in section, with a low flange (bolster?) along it, one end is attached to the rim, the other to the top part of the body. At transition of neck and body, two encircling grooves.

Cf. Edwards 1975, no. 301, first quarter of the 3rd century BC.

Dc-352 00-591. Pl. 124

Rim fr. H 3; Ø rim 10. Dense, light-yellow clay, no visible inclusions. Brown gloss. Out-turned, slightly thickened rim with the slanting edge.

Cf. Edwards 1975, no. 291, first quarter of the 4th century BC.

Dc-353 00-538. Pl. 124

Rim fr. H 3; Ø rim 13. Dense, light clay, a small number of lime inclusions. Brown gloss. The rim is sharply out-turned with a vertical edge, similar to a lekythos rim.

Cf. Edwards 1975, no. 301, first quarter of the 3rd century BC.

Dc-354 92-1047, III-3 C 331/129. Pl. 125

Rim fr. and neck. H 4; Ø rim 7.2. Dense, light-red clay. Brown gloss, hardly any metallic shine. Out-turned rim, on neck, encircling flange, cylindrical neck.

Thompson 1934, B-39, first half of the 3rd century BC.

Dc-355 90-316, II-5 R 294/20. Pl. 125

Rim fr. and neck. H 6; Ø rim 10. Light, porous clay. weak, brown gloss. The rim is sharply out-turned with a small thickening flattened on top edge, cylindrical neck.

Thompson 1934, B-39, first half of the 3rd century BC.

Dc-356 99-218. Pl. 125

Upper part. H 14.6; Ø rim 10.4; Ø body 20. Dense, pink clay, a small number of lime inclusions. Red, weak gloss. High neck set on rounded body, rim is out-turned with a small thickening on the edge, handle is oval in section and is attached by one end under the rim. Below, encircling groove.

Thompson 1934, B-39, first half of the 3rd century BC.

Dc-357 00-116. Pl. 125

Rim fr. and neck. H 2; Ø rim 12. Dense, light clay, a small number of lime inclusions. Brown gloss. The rim is sharply out-turned.

Cf. Edwards 1975, no. 286, first half of the 2nd century BC.

Dc-358 93-471. Pl. 125

Rim fr. and neck. H 5; Ø rim 9. Dense, light clay, a small number of lime inclusions. Brown gloss, no metallic shine. The rim is sharply out-turned with a small thickening on flattened edge. On its external edge, a groove.

Cf. Edwards 1975, no. 187, around 150 BC.

Dc-359 00-761. Pl. 125

Rim fr. H 2.7; Ø rim 13. Dense, light clay, no visible inclusions. Brown gloss. The rim has flattened top edge, flat, out-turned rim, on neck, a ledge (off-set).

Dc-360 99-317. Pl. 125

Upper part. H 4.3; Ø rim 4; Ø body 5. Dense, light clay, a small number of lime inclusions. Brown gloss ext., edge of rim and top of neck are glossed red int. Low neck set on egg-shaped body, rim is out-turned, the handle, rectangular in section, is attached at one end directly on rim.

Dc-361 01-187. Pl. 126

Upper part with twisted handle. H 8.8; Ø rim 15. Dense, light clay. Brown gloss. The rim is sharply out-turned with a small thickening on flattened edge, high, cylindrical neck, sharply set on body. Under rim twisted handle with two round features on each side. Two encircling grooves above handle under rim in the place of the attachment of upper part of handle.

Cf. Rotroff 1997a, no. 465, 225-200 BC.

Dc-362 93-166. Pl. 126

Rim fr. and neck. H 3.4; Ø rim 17. Dense, light clay, a small number of lime inclusions. Red-brown gloss. Round thickened rim, sharply out-turned, in the shape of a bell, under rim, low encircling flange.

Dc-363 93-906, III-3 B 368/106. Pl. 126

Upper part. H 6; Ø rim 6; Ø body 7. Light, pinkish clay, no visible inclusions. Red gloss. Low neck set on cylindrical body, rim is out-turned, with flattened top edge, the handle, oval in the section, is attached by one end directly under rim.

Dc-364 90-381. Pl. 126

Rim fr. with handle. H 3; Ø rim 11. Dense, light clay, no visible inclusions. Red gloss. The rim is out-turned, conical in shape, the handle is oval in section.

KRATERS

Only three fragments of krater were found among the NGS material. The most easily identifiable piece is the foot of a bell krater, **Da-365**. Similar kraters, both completely glossed and decorated in red figure technique, are known from the necropolis.⁴¹⁷ According to the decoration, they belong to the beginning of the 4th century BC. However, it remains uncertain whether the krater fragment from NGS was completely glossed or had a red-figured decoration. The completely glossed rim fragment **Da-367** seems closest to some of the rims of the late Archaic column kraters. The last piece is a handle from a lug-handle krater. It is ascribed to Fabric group 3. Thus, it is possible that the krater was decorated, whereas all Attic examples are completely glossed. According to contexts from the Athenian Agora the type can be dated to ca. 240-220 BC.⁴¹⁸

Bell krater

Ca. 400 BC

Fabric group 1 / Attic

Da-365 96-343, VI-3 B 474/288. Pl. 126

Fr. of large moulded foot. H 6.4; Ø base 19. Three reserved bands alternating with black bands of different sizes, underside reserved.

Robinson & Graham 1938, no. 27.

⁴¹⁷ Kozub 1974, for example, fig. 19.1-4.

⁴¹⁸ Rotroff 1997a, no. 591.

240-225 BC

Fabric group 3

Da-366 89-495, III-2 R 255/85

Fr. of lug handle. H 4.4. Gloss has flaked off in some places.
Possibly from shape similar to Rotroff 1997a, no. 591.

Column krater(?)

460-450 BC

Fabric group 4

Da-367 95-429, VI-3 B 434/283. Pl. 126

Fr. of very thick square rim, slightly out-turned profile. H 4.3; Ø rim 38.5.

Cf. Rotroff & Oakley 1992, no. 204.

West Slope decoration

Krater/basin

2nd century to the beginning of the 1st century BC

Fabric group 3

Db-368 89-759, II-2 B 248/8. Pl. 127

Fr. of lug handle. Ø inner rim 22. Fabric: 5YR 6/6, well levigated, hard fired, small voids, small white particles less than 1 mm. Gloss: lustrous, uneven in colour, flaked off in few places, worn on handle and on int. rim, evenly applied, 5Y 4/3, 2.5YR 4/6. On rim two semi-thin incised lines, from which a palmette with seven leaves rise, trace of something painted in whitish-yellow, nozzle of leaping dolphin(?) in added clay.

Cf. Schäfer 1968, D38-39, last half of the 3rd and first half of the 2nd century BC; Behr 1988, nos. 69-70, second to first quarter of the 2nd century BC; Radt & DeLuca 1999, no. 441.

Db-369 93-894, III-3 B 368/106

Fr. of krater or basin. H 4.4; Ø rim 33. Only very small part of outer rim preserved. Fabric: 5YR 6/6, many voids, hard fired, well levigated, quartz up to 0.1 mm, white particles less than 0.1 mm, micaceous. Gloss: even in colour, evenly applied, flaked off in few places, slight wear on rim, semi-lustrous, metallic sheen, 7.5YR 2.5/1. A small white dot partially preserved due to break, yellow body of dolphin painted in one stroke, upper fin, part of body and lower fin separate, tail partly preserved trefoil shape, two incised lines close to the edge of the rim.

Cf. Behr 1988, nos. 69-70, 2nd century to first quarter of the 1st century BC.

Db-370 99-733 + 01-44 + 02-684, VI-2 B 591/242. Pl. 127

Three frs. of rim. H at outer rim 2.8; Ø rim 64. Very large open krater, only rim fragments preserved. Fabric: 5YR 5/6, well levigated, hard fired, a lot of voids, white particles, a very few small mica. Gloss: black, 7.5YR 2.5/1, red, 2.5YR 5/6, with a greenish tinge on the edge of the rim, uneven in colour, evenly applied, many small flakes, underside of rim much flaked off, crazed in places, semi-lustrous, metallic sheen in places. Flower and palmette, flower with seven petals, alternating white and added clay, 10 leaves in palmette.

Cf. Schäfer 1968, D38-39, last half of the 3rd and first half of the 2nd century BC; Behr 1988, no. 66 for form, 2nd century to the first quarter of the 1st century BC.

Db-371 87-127, I-1. Pl. 127

Four joining frs. of basin. H 11.9; Ø inner rim 23; Ø outer rim 32. Fabric: 5YR 6/6. Gloss: 5Y 3/2, 5Y 2.5/1, underside 5Y 2.5/1, uneven in colour, evenly applied, semi-lustrous. Palmettes alternating with petal-like structures in white and yellow, incised decorative bands.

Cf. Schäfer 1968, D44, exact parallel to decoration, last half of the 3rd and first half of the 2nd century BC; Rotroff 1997a, nos. 590-591, for the form, ca. 250, 240-225 BC.

Db-372 93-897, III-3 B 368/106

Fr. of body. H 8.7. Fabric: 5YR 6/6, 10YR 6/3, large voids, white particles, quartz. Gloss: Gley 1 2.5/N, lustrous, metallic sheen. Rosette of alternating white and yellow petals, incised decorative bands around rosette and white dot border between incised bands.

Cf. Schäfer 1968, D3, but with foliage, uncertain date.

Db-373 91-8, IV-2 B 280/165

Fr. of open vessel, inner part of offset rim of krater(?). H 2.7. Fabric: 10R 6/6, 2.5YR 6/8, 5YR 5/6, many very tiny light-reflecting particles and a single tiny silver mica. Gloss: Gley 1 2.5/N to 7.5YR 2.5/1, medium to fine quality, lustrous, metallic sheen, few flakes, even in colour. Egg border design in incision and added white and yellow clay.

Cf. Behr 1988, no. 69-70, for the shape, 2nd century to first quarter of the 1st century BC; Behr 1988, no. 110, for the decoration with egg and dart, but no date; Ajbabin et al. (eds.) 2006, 247, fig. 8, basin with identical decoration.

Fabric group 4

Db-374 94-463, VI-2 B 395a/261

Fr. of body from krater(?). H. 7.1; Ø base 16. Very fragmented, only part of beginning of foot preserved, body and outer rim broken off. Fabric: 5YR 5/6, well levigated, hard fired, many voids, white particles, small stones, shells, very micaceous. Gloss: evenly applied, even in colour int., uneven ext., semi-lustrous, 2.5YR 2.5/1, ext. 10R 2.5/1. Int. one thin incised line, a white dot band, two thick incised lines.

Db-375 94-114, IV-2 B 302/182

Fr. of body from krater(?). H 10.2; Ø base 16. Fabric: 5YR 5/6, very micaceous. Gloss: int. 2.5YR 2.5/1, ext. 10R 2.5/1, evenly applied, even in colour int., uneven ext., semi-lustrous. Int. five incised bands, perhaps ribs in leaves. Ext. one thin incised line, a white dot band, two thick incised lines. White and yellow decoration in the middle of the bowl, with incised details, vegetal motif(?). A leaf with incised ribs and perhaps two flowers, three lines from tip of one flower.

Db-376 94-57 + 94-57a, IV-2 B 302/180

Fr. of body from krater(?). H 7.1; Ø base 16. Very fragmented, only part of beginning of foot preserved, body and outer rim broken off. Fabric: 5YR 5/6, well levigated, hard fired, many voids, white particles, small stones, shells, very micaceous. Gloss: evenly applied, even in colour int., uneven ext, semi-lustrous, 2.5YR 2.5/1, ext. 10R 2.5/1. Int. one thin incised line, a white dot band, two thick incised lines. Perhaps leaf in added clay.

Cf. Behr 1988, no. 49, for the decoration.

THYMIATERIA

Fabric group 1 / Attic

Da-377 93-827, IV-4 B 397/219. Pl. 128

Fr. with mouldings and vertical grooves. H 7.8. The gloss has flaked off in places, some scratch marks. Miltois.

Somewhat similar to Bruneau et al. 1970, no. D 57, from late 2nd to early 1st century BC context.

STEMMED DISHES, CONVEX AND SMALL

11 pieces have been identified among the NGS material. Sparkes & Talcott emphasized the many variations in shape among the small stemmed dishes from the Athenian Agora.⁴¹⁹ All the pieces from NGS except one (**Da-379**) are Attic imports of the type “convex and small” and also exhibit variation in shape, although the moulded and slightly projecting rim is common to all the rim fragments. All extant pieces are of the small variant, which belongs to the period immediately prior to the earliest salt-cellars, i.e. in the period from 525-480 BC. Some of the pieces are extensively worn and the gloss has flaked off on others. The only decoration consists of an occasional scraped, reserved groove on the exterior below the lip (**Da-382-Da-383**, **Da-386**).

520-500 BC

Fabric group 1 / Attic

Da-378 95-25, VI-2 B 410/249. Pl. 128

Fr. of broad, angular foot, slightly convex underside, central cone. H 4.6; Ø base 7.9. Very worn, reworked around lower edge, secondary use(?). Two repair holes in floor.

Closest parallel is Cf. Sparkes & Talcott 1970, no. 983, but this specimen has much deeper cone.

Other fabrics

Da-379 95-484, VI-2 B 410/258

Fr. of flat, broad foot with flat rest. H 1.2; Ø base 7.5. Fabric: 5YR 6/6, core: 10YR 6/3, one large and a few smaller voids, many lime particles, inclusion of shell, some very tiny light-reflecting particles, hard fired. Lustrous black gloss, metallic, flaked off in places. Foot reserved on lower part ext., reserved underside with one broad black circle.

Close to Sparkes & Talcott 1970, no. 974.

Ca. 500 BC

Fabric group 1 / Attic

Da-380 95-73, VI-2 B 410/245

Fr. of thickened, in-turned rim, shallow body. H 2.8; Ø rim 18. Gloss has flaked off ext. and on lip.

Cf. Sparkes & Talcott 1970, no. 976.

Da-381 95-417, V Earth-dwelling 445/239. Pl. 128

Fr. of thickened, in-turned rim. H 3.45; Ø rim 16. Gloss has flaked off in several places, almost disappeared ext.

Close to Sparkes & Talcott 1970, no. 979, but with smaller, thinner rim and more in-turned lip.

Da-382 95-543, II-5 R 451/42

Fr. of thickened, in-turned rim, deep groove on lower part of rim ext. H 2.35; Ø rim 10. Gloss is slightly worn on lip int. Repair hole.

Close to Sparkes & Talcott 1970, no. 979, but with deep groove ext.

Da-383 95-576, VI-2 B 410/256

Fr. of rounded foot with slight groove, broad, flat rest, central cone. H 8; Ø base 6.5. Reserved band around foot. Very worn.

Possibly as Sparkes & Talcott 1970, no. 979(?).

Da-384 95-589, VI-2 B 455/257. Pl. 128

Fr. of broad, flattened foot, flat rest, relatively high stem. H 4.25; Ø base 7. Gloss varies in colour, ext. 7.5YR 2.5/1 to 7.5YR 4/6, int. 2.5YR 4/8.

Close to Sparkes & Talcott 1970, no. 979.

Da-385 91-141, IV-2 B 307/168. Pl. 128

Rim fr. H 3.7; Ø rim 17.

Cf. Rotroff & Oakley 1992, no. 217, but with thinner wall and more delicate.

500-480 BC

Fabric group 1 / Attic

Da-386 95-624 + 95-482, VI-2 B 410/258. Pl. 128

Two frs. of thickened, in-turned rim, flat lip with slight groove, two small grooves under rim ext. H 3.2; Ø rim 13. Gloss has flaked off in places.

Close to Sparkes & Talcott 1970, no. 973, but with more angular lip and grooves below rim ext.

Da-387 95-629, VI-2 B 410/258

Fr. of squat base, rounded foot. H 2.4; Ø base 8.3. Pierced through, reused as tool(?).

Cf. Sparkes & Talcott 1970, pl. 20, fig. 4, no. 420.

475-450 BC

Fabric group 1 / Attic

Da-388 91-639, IV-1 B 315/141. Pl. 128

Fr. of flat rim with rounded shoulder. H 3.1; Ø rim 24. Two horizontal dusky red bands just under rim, barely visible. Traces of secondary burning on rim(?).

Cf. Rotroff & Oakley 1992, no. 219.

PLATES

The plates in the NGS material are confined to the type with rolled rim and a single plate with what can best be described as a stepped or

⁴¹⁹ Sparkes & Talcott 1970, 140.

rolled rim.⁴²⁰ There are 23 fragments of plates with rolled rim, which forms a substantial group within the category of serving vessels. The plates roughly cover the period from the middle of the 4th to the early 1st century BC. Only three pieces can be ascribed to the 3rd century BC (Da-398-Da-400). The complete profile is often preserved, though several rim fragments and feet are present in the material as well. The rim fragments have been placed in a chronological sequence as best possible, whereas the feet have been more problematic, thus often resulting in a more broad categorization under “various feet” (see below). In general, and regardless of fabric, the plates are often quite worn, especially on the rims and rests suggesting substantial use over longer periods of time. However, only one of the early plates (Da-391) has been repaired, whereas the plates of the 2nd century BC were more extensively repaired.

Already from the end of the 4th century BC the plates began to vary greatly in quality and, especially from the early 2nd century onwards, there were many misfirings, stacking marks and sloppy executions in general. The size of the plates varies considerably across the centuries and often differs from the Athenian plates. Firstly, the generally small diameter of the early plates from the Athenian Agora is not clearly observable. Secondly, the uniformity of size in the Athenian plates after ca. 150 BC is not observable.⁴²¹ The fabrics of these later plates are mainly concentrated in Fabric groups 4 and 6, but Fabric groups 3 and 7 are also represented, as well as other unidentified fabrics. Among the early plates more than half has been identified as Attic, while the rest belongs to other unidentified production centres. However, from the late 3rd century BC the colour and fabric of Attic clay becomes more difficult to identify and some of the plates ascribed to Fabric group 6 seem close to Rotroff’s description of a second Attic clay.⁴²² Pieces from the latest period in the material, from the middle of the 2nd to the early 1st century BC, also often have a very badly-preserved gloss, which is also characteristic of some of the Attic pottery from the later Hellenistic period. In general, it seems that the production centre of Fabric group 4 was an active supplier of plates over the entire period, while the number of plates ascribed to Fabric group 6 increases markedly from the end of the 3rd century onwards, constituting more than half of the plates from the end of the 3rd to the early 1st century BC. Examples in Fabric group 10 also have a marked position among the later plates.

Decoration is only observable on four of the pieces and stamping only occurs on one Attic piece (Da-394). Stamping is also absent on the Attic feet from the “various feet” group. This seems to correspond to the situation at Panskoe I, where most of the early Hellenistic Attic plates are undecorated.⁴²³

Rolled rims

Ca. 350-325 BC

Fabric group 4

Da-389 89-179. Pl. 128

Rim fr., shallow body, groove under rim ext., ring foot with flat rest,

complete profile preserved. H 2.3; Ø rim 13; Ø base 8. Gloss has flaked off on rest.

Cf. Rotroff 1997a, nos. 632-633.

325-300 BC

Fabric group 1 / Attic

Da-390 89-178

Rim fr., groove and ridge just under rim ext., ring foot, flat rest, complete profile preserved. H 3.3; Ø rim 23; Ø base 11.5.

Cf. Rotroff 1997a, no. 642.

Da-391 91-496, II-5 B 311/24. Pl. 128

Fr. of very shallow body, ring foot, flat rest. H 2.5; Ø base 13. Gloss has flaked off in many places, much worn on rim. Traces of secondary burning. Repair hole.

Cf. Rotroff 1997a, no. 638.

Da-392 95-390, II-5 R 451/43. Pl. 129

Rim fr., groove ext., broad ring foot, flat rest. H 3.2; Ø rim 24; Ø base 17. Band of rouletting.

Close to Rotroff 1997a, no. 649, but with larger diameter and slightly higher foot, ca. 300 BC(?).

Da-393 93-852, III-1 R 388/86

Fr. of in-curved thick rim, offset ext. H 2.2; Ø rim 24. Gloss has flaked off in some places.

Close to Rotroff 1997a, no. 640.

Da-394 95-51, II-5 B 390/32. Pl. 129, 148

Fr. of lower body and broad ring foot, grooved rest, nipple. H 3.2; Ø base 9.6. Five stamped linked palmettes within three bands of rouletting, reserved rest, reserved band at junction between body and foot.

Cf. Rotroff 1997a, no. 633, ca. 325.

Fabric group 3

Da-395 94-418, VI-2 R 410/247

Fr. of shallow plate on ring foot, complete profile. H 2.2; Ø rim 15; Ø base 9.

Closest parallels Rotroff 1997a, nos. 636, 638.

Fabric group 4

Da-396 95-20, VI-2 B 410/249

Rim fr., flat floor, broad ring foot, flat rest, complete profile preserved. H 2.6; Ø rim 22; Ø base 10. Gloss flaked off in places, relatively even in colour, part of underside fired brownish. Band of rouletting, reserved band at junction between floor and foot ext.

Close to Rotroff 1997a, no. 633, ca. 325.

⁴²⁰ For the plates with rolled rims see Rotroff 1997a, 142-145.

⁴²¹ Rotroff 1997a, 143.

⁴²² For the second Attic clay of the late 3rd and 2nd century BC, see Rotroff 1997a, 10-11. Both this Attic clay and Fabric group 6 are described as very pale brown, 10YR 7/4, according to the Munsell soil colour chart.

⁴²³ Hannestad, Stolba & Hastrup 2002, 130.

Da-397 02-107, VI-3 B 661/303

Rim fr., offset ext. H 1.3; Ø rim 36. Gloss has flaked off in many places.
Close to Rotroff 1997a, no. 640.

Ca. 275 BC

Other fabrics

Da-398 89-510, II-6 B 186/49. Pl. 129

Fr. of shallow plate, rim offset ext., broad ring foot, grooved rest, complete profile preserved. H 3; Ø rim 20; Ø base 15. Fabric: 5YR 6/8, relatively even in colour, relatively pure, hard fired. Lustrous, black gloss, slightly metallic, evenly applied, even in colour, flaked off in places. Traces of secondary burning.

Close to Rotroff 1997a, no. 656.

Ca. 275-215 BC

Fabric group 3

Da-399 93-518, VI-2 B 395/259. Pl. 149

Fr. of broad ring foot, flat rest. H 2.2; Ø base 9.5. Gloss has flaked off in many places. One preserved stamped palmette leaf. One repair hole. Graffito: S-61.

Zolotarev 2005, fig. 7, no. 3.

250-225 BC

Fabric group 6

Da-400 92-663, IV-3 B 343/205

Rim fr. and floor. H 1; Ø rim 35. Gloss is badly preserved and worn.
Close to Rotroff 1997a, no. 661(?).

250-175 BC

Fabric group 10

Da-401 89-157, II-6 B 186/46. Pl. 129

Fr. of thin rim, shallow body, ring foot, flat rest, complete profile preserved. H 2.9; Ø rim 16; Ø base 5.2. Gloss is much worn on rim ext., partly glossed ext., stacking mark int.

Closest parallels Rotroff 1997a, nos. 671, 673.

175-160 BC

Fabric group 4

Da-402 92-911, III-1 Stove 329/72. Pl. 129

Fr. of thickened rim. H 8.5; Ø rim 18.

Close to Rotroff 1997a, no. 678(?).

Fabric group 10

Da-403 93-670, III-3 B 368/105

Fr. of flattened rim. H 3.5; Ø rim 21. Gloss is unevenly applied and fired, varies in colour from 2.5YR 5/8 to 5YR 2.5/1, flaked off in many places, partly glossed ext.

Closest parallel Rotroff 1997a, no. 680, ca. 175-150.

150-110 BC

Fabric group 10

Da-404 90-401, IV-2 B 280/163. Pl. 129

Nearly complete plate, thickened, rolled rim, relatively deep groove at rim int., deep body, ring foot, flat rest. H 4.5; Ø rim 22; Ø base 9.8. Int. four scraped concentric bands, two grooves under rim ext. Eight repair holes.

Closest parallel Rotroff 1997a, no. 687(?).

Da-405 93-201, III-3 B 368/102

Two joining rim frs., groove int./ext. under rim, shallow body. H 9.5; Ø rim 25. Traces of two crude bands of rouletting(?) ext.

Close to Rotroff 1997a, no. 687.

Da-406 93-669, III-3 B 368/105

Rim fr. H 2.3; Ø rim 25. Partly glossed on ext.

Close to Rotroff 1997a, no. 699.

Da-407 99-490, VI R 591/241

Rim fr. H 2.1; Ø rim 19. Extensive crazing, partly glossed ext.

Cf. Rotroff 1997a, no. 688.

110-86 BC

Fabric group 2

Da-408 94-177, IV-2 B 302/182

Fr. of down-turned rim and body. H 4.2; Ø rim 21. Two repair holes near rim and centre.

Cf. Rotroff 1997a, no. 698.

Fabric group 7

Da-409 92-992, III-3 R 328/112

Rim fr., slightly down-turned, ridge on upper part of rim. H 1.4; Ø rim 17. Partly glossed ext.

Close to Rotroff 1997a, no. 698.

Fabric group 10

Da-410 94-585, VI-2 B 395a/261

Fr. of flattened rim, shallow body, slightly grooved under rim ext. H 1.8; Ø rim 17. Gloss has flaked off in many places, very worn on lip, partly glossed ext. Int. red stacking mark. One repair hole. Graffito: S-125.

Close to Rotroff 1997a, nos. 697, 699.

Other feet

Fabric group 4

Da-411 94-459, VI-2 B 395a/261

Fr. of broad ring foot, grooved rest, slight nipple. H 2.2; Ø base 14. Gloss has flaked off in many places. Central circle, four crudely stamped palmettes within broad band of rouletting. Traces of secondary burning.

West Slope decoration

Fabric group 4

Db-412 93-718 + 93-423, II-7 P 1/66. Pl. 130

Two joint frs. of offset rim. H 1.7; Ø rim 20. Fabric: 2.5YR 6/6, very micaceous, few white particles, small black particles. Gloss: Gley 1 2.5/N, almost completely flaked off, marks of secondary burning. White dots in incised border.

Cf. Rotroff 1997a, no. 826, 225-175 BC, no. 827, 250-225 BC, nos. 840-841, 140-110 BC, but they have Ø 25-29 cm. The decoration is paralleled in a bowl/lid in Smetana-Scherrer 1982, no. 495, 4th to 3rd century BC; also Behr 1988, no. 101, for the decoration, but with white dot border below, no date; Behr 1988, no. 29, same egg and dart border on skyphos, mid-2nd century BC.

Fabric group 6

Db-413 86-795, I-3 R 49/4. Pl. 130

Fr. of offset rim. H 6; Ø rim 19. Fabric: 5YR 6/6, micaceous, white particles. Gloss: 5YR 2.5/1, underside 2.5YR 4/6, almost no gloss preserved. Floral garland with incised stems.

Cf. Rotroff 1997a, no. 826, 225-175 BC, no. 827, 250-225 BC, nos. 840-841, 140-110 BC, but they are 25-29 cm in Ø. The decoration is paralleled in a bowl/lid in Smetana-Scherrer 1982, no. 495, 4th to 3rd century BC.

Brown-glossed group

Plates with thickened rims

Dc-414 00-303. Pl. 130

Rim fr. H 2.5; Ø rim 18. Dense, light clay, a small number of mica and lime inclusions. Brown gloss, metallic shine, int. a circle of red gloss, ext. gloss covers only top half of vessel. A plate of conic type with thickened, horizontal rim, ring foot, not profiled. Local manufacture(?).

Cf. Rotroff 1997a, no. 698, 110-86 BC.

Dc-415 88-473, III-2 R 52. Pl. 130

Fr. H 4; Ø rim 19; Ø base 4. Dense, light clay, a small number of mica and lime inclusions. Brown gloss, metallic shine, int. a circle of red gloss, ext. gloss covers only top half of vessel. A plate of conic type with thickened, horizontal rim, ring foot, not profiled. Local manufacture(?).

Cf. Rotroff 1997a, no. 698, 110-86 BC.

Dc-416 88-200. Pl. 130

Fr. H 5.5; Ø rim 25; Ø base 7. Dense, light clay, a small number of mica and lime inclusions. Brown gloss, metallic shine, int. a circle of red

gloss, ext. gloss covers only top half of vessel. A plate of conic type with thickened, horizontal rim, ring foot, not profiled. Local manufacture(?).

Cf. Rotroff 1997a, no. 698, 110-86 BC.

Dc-417 02-349. Pl. 131

Fr. H 3.5; Ø rim 20; Ø base 7. Dense, light clay, a small number of mica and lime inclusions. Brown gloss, metallic shine, int. a circle of red gloss, ext. gloss covers only top half of vessel. A plate of conic type with thickened, horizontal rim, ring foot, not profiled. Local manufacture(?).

Cf. Rotroff 1997a, no. 698, 110-86 BC.

Dc-418 93-721. Pl. 131

Rim fr. H 2.8; Ø rim 24. Dense, light clay, a small number of mica and lime inclusions. Brown gloss, metallic shine. A plate of conic type with flattened, thickened rim. Local manufacture(?).

Cf. Rotroff 1997a, no. 698, 110-86 BC.

Dc-419 01-266. Pl. 131

Base fr. H 1.8; Ø base 6.8. Dense, light clay, a small number of mica and lime inclusions. Brown gloss, metallic shine. Ring foot, not profiled. Local manufacture(?).

Cf. Rotroff 1997a, no. 698, 110-86 BC.

Dc-420 87-132

Base. H 2.5; Ø base 7. Dense, dark-pink clay, fine lime particles. Brown gloss int. in the form of a spiral on the base of the vessel. Ring foot, not profiled.

Plates with slightly out-turned thickened rims

Dc-421 87-302. Pl. 131

Fr. H 4; Ø rim 16; Ø base 6. Dense, red clay, a small number of lime particles. Brown gloss, metallic shine and spots of red. A plate of conic type with thickened, fairly straight rim. Int. under rim concentric sharp thickening, at the base a concentric circle of rouletting. Ring foot, not profiled.

Cf. Rotroff 1997a, no. 694, 110-86 BC.

Dc-422 98-486. Pl. 131

Rim fr. H 2.7; Ø rim 26. Dense, light clay, no visible inclusions. Brown gloss, no metallic shine, int. under rim a concentric unglossed strip, ext. rim is not glossed, other part of vessel is completely glossed. A plate of flat conic type with slightly out-turned, thickened rim. At the base a concentric circle of rouletting.

Cf. Rotroff 1997a, no. 694, 110-86 BC.

Dc-423 98-397. Pl. 131

Rim fr. H 1.8; Ø rim 20. Dense, light clay, no visible inclusions. Brown gloss, no metallic shine. A plate of conic type with slightly out-turned, thickened rim.

Cf. Rotroff 1997a, no. 694, 110-86 BC.

Dc-424 94-405, VI-2 R 410/247. Pl. 131

Fr. H 4.1; Ø rim 22; Ø base 7. Dense, light clay, inclusions of sand. Brown gloss, no metallic shine, ext. gloss is absent. A plate of conic type, almost flat with slightly out-turned, beak-shaped rim, ring foot, not profiled.

Cf. Rotroff 1997a, no. 694, 110-86 BC.

Other plates

Dc-425 95-257. Pl. 131

Rim fr. H 1.5; Ø rim 22. Dense, light clay, no visible inclusions. Brown gloss, no metallic shine. A plate of flat conic type with horizontal, slightly out-turned rim. Ext. under rim, encircling flange.

Dc-426 01-561. Pl. 132

Rim fr. H 1.5; Ø rim 33. Dense, light red clay, no visible inclusions. Brown gloss, no metallic shine. A plate of conic type with horizontal, slightly out-turned rim. Int. on edge of rim a concentric groove.

Dc-427 00-1720. Pl. 132

Base fr. H 2; Ø base 8.6. Dense, red clay, no visible inclusions. Red gloss, no metallic shine. A plate of flat conic type, ring foot, not profiled. Int. on base stamped palmette.

Dc-428 88-172. Pl. 132

Base fr. H 1.5; Ø base 10. Dense, light clay, no visible inclusions. Red gloss, no metallic shine. A plate of flat conic type, ring foot, not profiled. Int. on base stamped palmette.

Dc-429 90-51. Pl. 132

Base. H 2.5; Ø 8. Dense, light clay. Brown gloss, no metallic shine. Ring foot, not profiled. Between the foot and plate concentric deepening, ext. on base graffito in the form of a cross.

Dc-430 92-262. Pl. 132

Base. H 3; Ø base 10. Dense, light clay, no visible inclusions. Brown gloss, no metallic shine, in the middle a circle of lighter shade. Ring foot, not profiled. Ext. near foot graffito: A.

Fish-plates

The catalogue includes 30 entries of fish-plates. Chronologically they cover the period from the last quarter of the 4th century to the early 1st century BC. Only two pieces (**Da-434**, **Da 437**) can securely be identified as Attic imports, the rest are of different fabrics, which makes dating according to Attic parallels difficult. This is contrary to the situation at Panskoe I where the majority of the fish-plates are Attic.⁴²⁴ The two Attic fish-plates belong to the end of the 4th or the first quarter of the 3rd century BC. There is great variation in the shape and size of the plates. At Phanagoria, imported Attic black-glossed fish-plates are completely lacking, whereas the red figure version is common.⁴²⁵ The opposite seems to be true for Olbia, where only one fragment of the red figure version is known.⁴²⁶ Morgan suggests that the lack of Attic black-glossed fish-plates at Phanagoria was a result of a local production of glossed fish-plates.

It is at least possible that some of the fish-plates from NGS were imported from Phanagoria.⁴²⁷

325-310 BC

Fabric group 3

Da-431 90-321, II-5 R 294/20. Pl. 131

Two joining frs. of foot with grooved rest, floor and rim, scraped groove around edge of floor and two grooves around depression. H 3.2; Ø rim 22; Ø base 11. Traces of secondary burning.

Cf. Rotroff 1997a, no. 710.

Fabric group 4

Da-432 95-164, VI-3 B 434/275

Fr. of foot with flat rest, floor and rim. H 2.7; Ø base 18. Scraped groove around edge of floor, reserved rest.

Cf. Rotroff 1997a, nos. 710-711. Lynch forthcoming, dates this type slightly later to around 300 BC.

310-290 BC

Fabric group 5

Da-433 95-238, II-5 B 390/34

Fr. of floor and rim. H 2.2; Ø rim 21. Scraped groove around edge of floor and int. of rim.

Cf. Rotroff 1997a, nos. 711-715.

310-275 BC

Fabric group 1 / Attic

Da-434 91-503, II-5 B 311/22

Fr. of floor and rim. H 2; Ø rim 38. Scraped groove around edge of floor, reserved band on int. rim.

Cf. Rotroff 1997a, nos. 712-718.

Fabric group 4

Da-435 01-1123, VI-3 B 661/304

Rim fr. and floor. H 2; Ø rim 22. Scraped groove around edge of floor, reserved band on rim and on lower part of floor ext.

Cf. Rotroff 1997a, nos. 712-717.

Fabric group 5

Da-436 94-20, IV-2 B 302/178. Pl. 133

Rim fr., floor and foot, nipple, complete profile preserved. H 3.6; Ø rim 23; Ø base 11.7. Groove around depression. Secondary burning, stacking mark.

Cf. Rotroff 1997a, nos. 713-717.

⁴²⁴ Hannestad, Stolba & Hastrup 2002, 130, B 169-183, pl. 66, 74.

⁴²⁵ Morgan 2004, 216.

⁴²⁶ Rusjaeva & Nazarčuk 2006a, 174-175, pl. 187.9.

⁴²⁷ For the local production of fish-plates at Phanagoria, see references in Morgan 2004, 216, n. 340. However, the three fragments with golden mica (**Da-447**, **Da-449** and **Da-460**) are clearly not from Phanagoria as there is no golden mica in that area.

290-275 BC

Fabric group 1 / Attic

Da-437 89-596, IV-1 B 253/143. Pl. 133

Fr. of floor and rim. H 2.7; Ø rim 33.

Cf. Rotroff 1997a, nos. 716-717.

Fabric group 4

Da-438 89-597, IV-1 B 253/143

Fr. of floor and rim. H 2.5; Ø rim 28. Scraped groove around edge of floor.

Cf. Rotroff 1997a, nos. 716-717.

Da-439 96-19, II-5 B 390/36

Fr. of floor and rim. Scraped groove around edge of floor.

Cf. Rotroff 1997a, nos. 716-717.

Fabric group 5

Da-440 87-545, II-3 B 89/10

Rim fr., floor and moulded ring foot, flat rest, groove around depression. Complete profile preserved. Reserved band around depression, reserved rest, two concentric reserved bands on underside, some scratch marks. Traces of secondary burning.

Close to Rotroff 1997a, no. 716.

Da-441 90-65

Rim fr. and upper floor, reserved groove at edge of floor. H 2.3; Ø rim 33. Gloss is worn on rim. Band of rouletting just below rim ext.

Close to Rotroff 1997a, no. 718, ca. 275 BC.

290-225 BC

Fabric group 4

Da-442 94-178, IV-2 B 302/182

Fr. of foot, floor and rim. H 2.9; Ø rim 16; Ø base 10. Scraped groove around edge of floor. Unevenly glossed ext.

Cf. Rotroff 1997a, nos. 716, 724-725.

275-250 BC

Fabric group 3

Da-443 94-619, II-5 B 390/30

Fr. of floor and bevelled foot. H 4; Ø base 12. Scraped groove between foot and floor, reserved underside with black band. Traces of secondary burning.

Cf. Rotroff 1997a, no. 719.

Fabric group 6

Da-444 87-533, II-3 B 89/10

Three joining frs. of floor, two grooved bands on ext. of floor. Ø base max 27.5. Large parts of the gloss have flaked off. Many scratch marks. Miltos in two grooves.

Cf. Rotroff 1997a, nos. 720-722. Could also be from a stemmed dish or saucer.

275-225 BC

Fabric group 3

Da-445 89-600, IV-1 B 253/143

Fr. of floor and bevelled foot. H 9; Ø base 9.2. Scraped groove around depression. Reused as tool(?).

Cf. Rotroff 1997a, nos. 719-723.

Da-446 94-423, VI-2 R 410/247. Pl. 133

Fr. of floor and flat foot. H 3.6; Ø base 9.

Cf. Rotroff 1997a, nos. 719-726.

Other fabrics

Da-447 89-598, IV-1 B 253/143. Pl. 133

Rim fr., floor and straight foot. H 2.6; Ø rim 28.5; Ø base 12.5. Dark-grey clay with reddish-brown core, 5YR 4/1 to 4/4, few tiny golden mica particles. Black gloss. Scraped groove around edge of floor, two concentric bands on underside. Traces of secondary burning.

Cf. Rotroff 1997a, nos. 719-723.

Da-448 89-599, IV-1 B 253/143

Rim fr., floor and foot with bevelled rest. H 3.4; Ø rim 20.8; Ø base 11.1. Fabric: 10YR 6/4, core: 5YR 6/6, many very tiny light-reflecting particles. Gloss varies in colour from 7.5YR 4/1 to 7.5YR 4/2. Scraped groove around edge of floor and depression, two concentric bands on underside. Traces of secondary burning, stacking mark. Graffito: S-88

Cf. Rotroff 1997a, nos. 719-723.

Da-449 89-881, IV-1 B 253/146

Fr. of floor and ring base, groove around depression. H 1.6; Ø base 10. Fabric: 5YR 6/8, core with pink edges, 7.5YR 7/4, some very tiny gold mica particles and few very tiny black particles. Black to dark reddish-brown gloss, 5YR 3/3, lustrous, very metallic, unevenly applied, uneven in colour, flaked off in very few places.

Cf. Rotroff 1997a, nos. 719-723.

250-225 BC

Fabric group 3

Da-450 92-407, IV-3 B 343/202

Rim fr. and floor. H 1.5; Ø rim 20. Scraped groove around edge of floor.

Cf. Rotroff 1997a, nos. 720-721.

Da-451 93-833, IV-4 B 397/219. Pl. 133

Rim fr. and floor. H 1.8; Ø rim 23. Fine throwing marks on both ext. and int. Some wear on rim.

Cf. Rotroff 1997a, nos. 720-728.

Fabric group 5

Da-452 87-554, II-3 B 89/10

Two joining frs. and one non-joining fr. of floor with groove around edge. Rim is missing, presumably cut off. Ø rim 24. Gloss has flaked off heavily on ext. Traces of secondary burning.

Close to Rotroff 1997a, no. 720.

Fabric group 6**Da-453** 02-110, VI-3 B 661/303

Fr. of floor and foot, low ridge and broad groove around depression. H 2.6; Ø base 6.7.

Cf. Rotroff 1997a, nos. 720-723.

*250-200 BC***Fabric group 2****Da-454** 93-283, III-3 R 278/99

Rim fr. and floor. H 1.7; Ø rim 22.

Cf. Rotroff 1997a, nos. 720-728.

Fabric group 6**Da-455** 93-14, III-3 R 278/96. Pl. 133

Rim fr. and floor, groove around edge of floor, slightly offset ext. H 1.7; Ø rim 24. Not glossed on ext.

Cf. Rotroff 1997a, nos. 720-728.

Da-456 93-500, III-3 B 368/104

Six joining frs. and one non-joining Rim fr. and body. H 1.3; Ø rim 25. Two broad grooves around edge of floor.

Cf. Rotroff 1997a, nos. 720-728.

*225-200 BC***Fabric group 4****Da-457** 89-851, IV-1 B 253/146

Rim fr. and floor. H 1.2; Ø rim 21. Scraped groove around edge of floor.

Cf. Rotroff 1997a, nos. 725-728.

Da-458 92-405, IV-3 B 343/202

Fr. from body of plate with small part of depression preserved, high, broad ring foot. H 4.4; Ø base 11.

Close to Rotroff 1997a, no. 725-726.

*Late 2nd to early 1st century BC***Fabric group 6****Da-459** 92-406, IV-3 B 343/202. Pl. 134

Fr. of foot, floor and rim, complete profile preserved. H 3.6; Ø rim 20; Ø base 7.

Cf. Rotroff 1997a, no. 732.

Other fabrics**Da-460** 92-404, IV-3 B 343/202

Rim fr., body and foot. H 4.2; Ø rim 15. Fabric: 7.5YR 6/4, a single very tiny golden mica particle. Gloss varies in colour from black to red, 2.5YR 5/8. Scraped groove around edge of floor.

Cf. Rotroff 1997a, no. 764.

Brown-glossed group**Dc-461** 99-636. Pl. 134

Fr. of vessel. H 5.2; Ø rim 23; Ø base 9. Dense, pink clay, a small number of mica and lime inclusions. Brown almost black gloss, metallic shine. A plate of flat type, with ring foot and horizontal rim. The edge is decorated with two encircling grooves, the 1.5 cm deep and 6 cm wide central depression is surrounded by a ridge.

Cf. Rotroff 1997a, no. 733, end of the 2nd to the beginning of the 1st century BC.⁴²⁸**Dc-462** 99-561. Pl. 134

Fr. of vessel. H 4.3; Ø rim 28; Ø base 9. Light-red clay, inclusions of lime particles, some large. Red, weak gloss. A plate of flat type, horizontal rim. The edge is decorated with two encircling grooves, the central depression, 1.7 cm deep and 5.4 cm wide, is surrounded by a ridge.

Cf. Rotroff 1997a, no. 733, end of the 2nd to the beginning of the 1st century BC.⁴²⁹**Dc-463** 99-686. Pl. 134

Rim fr. H 5; Ø rim 27. Light clay, layered, inclusions of lime particles. Red-brown gloss, no metallic shine. A plate of flat, conic type. Rim is decorated with two encircling grooves.

Cf. Rotroff 1997a, no. 733, end of the 2nd to the beginning of the 1st century BC.⁴³⁰**Dc-464** 90-262, IV-1. Pl. 134

Rim fr. H 1.5; Ø rim 24. Dark-pink clay, layered, inclusions of a small number of sand and mica particles. Red, weak gloss. A plate of flat type. Horizontal rim decorated with two encircling grooves.

Cf. Rotroff 1997a, no. 733, end of the 2nd to the beginning of the 1st century BC.⁴³¹**Dc-465** 01-324. Pl. 134

Rim fr. and body. H 3.6; Ø rim 23. Dark-pink clay, inclusions of sand. The red-brown, weak gloss is found int. only. A plate of conic type, the edge of the horizontal rim is made in three horizontal platens.

Cf. Rotroff 1997a, no. 733, end of the 2nd to the beginning of the 1st century BC.⁴³²**Dc-466** 90-368. Pl. 135

Fr. of vessel. H 5; Ø rim 21; Ø base 8. Dark-pink clay, inclusions of lime particles and mica. The weak, red-brown gloss is found int. in the form of three concentric strips, ext. the vessel is completely glossed. A plate of conical type, rim is smoothly out-turned, thickened, ring

⁴²⁸ See, however, also Lejpuskaja 1986b, 36, fig. 3 (late Archaic). Note also H-149 from the same find spot [note added by the editors].⁴²⁹ See, however, also Alexandrescu 1966, 162-168, 286, cat. no. XXII.16, pl. 88 (ca. 450-425 BC) [note added by the editors].⁴³⁰ See, however, also Hannestad, Stolba & Hastrup 2002, 147, cat. no. B225, pl. 69 (early Hellenistic) [note added by the editors].⁴³¹ See, however, also Bechtold & Docter 2008, 48-49, fish-plates cat. no. 1, fig. 1a (early Hellenistic) [note added by the editors].⁴³² See, however, also Kowal 2008, fig. 2.1 (early Hellenistic) [note added by the editors].

foot, not profiled. The shallow central depression is 5.2 cm wide and surrounded by a ridge. There are traces of repair.

Cf. Rotroff 1997a, no. 730, 175 BC.

Dc-467 01-94, Pl. 135

Upper part of vessel. H 2.5; Ø rim 25. Dark-pink clay, inclusions of lime particles and mica. weak, red-brown gloss. A plate of conic type, rim is smoothly out-turned, thickened.

Cf. Rotroff 1997a, no. 730, 175 BC.

Dc-468 93-903, III-3 B 368/106, Pl. 135

Upper part of vessel. H 3.3; Ø rim 19. Dense light clay, no visible inclusions. Brown gloss, no metallic shine. A plate of conic type with rim sharply out-turned. Local manufacture(?).

Cf. Rotroff 1997a, no. 730, 175 BC.

Dc-469 92-570, IV-3 B 343/203, Pl. 135

Base. H 3; Ø base 9. Dense, light-red clay, no visible inclusions. Red gloss, no metallic shine. Ring foot, not profiled. Central depression surrounded by a low ridge.

Cf. Rotroff 1997a, no. 714, 310-290 BC.

SAUCERS

The saucer with a projecting rim is represented in the NGS material by 10 pieces roughly covering the period from ca. 275 to 150 BC, according to their closest parallels from Athens. All the identified pieces are rim fragments and we should probably expect the actual number of saucers to be higher had a secure identification of their bases been possible. Two of the later pieces show signs of wear on the lip (**Da-471**, **Da-478**), while the rest are mainly well preserved. However, the earliest piece (**Da-470**), identified as a possible local product, has a very badly-preserved gloss, typical for this fabric group. There are no stamped decorations on any of the pieces and the only attempt at decoration is found on **Da-473**, which has a simple, thin incised band on the interior. This seems to correspond quite well with the picture at Athens, where stamped decoration is also absent, leading Rotroff to suggest, considering also the often careless execution of the vessels, that the saucer was among the cheapest of the glossed goods.⁴³³ The popularity of the shape throughout the Hellenistic world is documented by Rotroff,⁴³⁴ who also points out its manufacture at many different localities. In the NGS material, only one fragment has been identified as being of Attic manufacture; the remaining nine pieces come from other production centres. It is interesting to note that a very substantial proportion of these pieces (seven) belongs to our Fabric group 4. According to parallels from Athens, they probably date mainly from the early to mid-2nd century BC.

Saucers have also been found among the grave goods of the Hellenistic burials in the Olbian necropolis.⁴³⁵

Ca. 275 BC

Fabric group 6

Da-470 95-114, II-5 B 390/33, Pl. 135

Fr. of projecting rim and body. H 4.8; Ø rim 20. Gloss is unevenly applied, flaked off in most places. Only partially glossed on lip int.

Close to Rotroff 1997a, no. 734.

200-175 BC

Fabric group 4

Da-471 91-384, IV-2 R 302/181, Pl. 135

Fr. of projecting rim. Worn on lip. Ø rim 36.

Close to Rotroff 1997a, no. 748.

Other fabrics

Da-472 93-892, III-3 B 368/106

Fr. of down-turned rim and body. H 2.7; Ø rim 20. Fabric: 7.5YR 5/6, many very tiny lime particles, few tiny voids. Lustrous gloss.

Close to Rotroff 1997a, no. 748.

175-150 BC

Fabric group 4

Da-473 89-648, IV-1 B 253/144, Pl. 136

Fr. of down-turned rim, body and ring foot. H 4; Ø rim 18.5. Incised circle int.

Close to Rotroff 1997a, no. 756.

Da-474 93-825, IV-4 B 397/219

Fr. of down-turned rim and body. H 2.9; Ø rim 19.

Close to Rotroff 1997a, no. 756.

Da-475 02-108, VI-3 B 661/303

Fr. of projecting rim. H 2.3; Ø rim 29.

Close to Rotroff 1997a, no. 756.

Da-476 89-850, IV-1 B 253/146

Fr. of floor and down-turned rim. H 1.8; Ø rim 22.

Close to Rotroff 1997a, no. 756.

Da-477 89-337, III-2 R 164/82

Fr. of down-turned rim and body. H 1.3; Ø rim 18.5.

Close to Rotroff 1997a, no. 756.

Da-478 94-55, IV-2 B 302/180

Body fr. and down-turned rim. H 1.8; Ø rim 34. Gloss is worn on lip.

Close to Rotroff 1997a, nos. 756-757.

⁴³³ Rotroff 1997a, 149.

⁴³⁴ Rotroff 1997a, 149.

⁴³⁵ Parovič-Pešikan 1974, 86-88.

Other fabrics

Da-479 91-711, III-3 C 332/131

Fr. of out-turned rim. H 2.3; Ø rim 24. Fabric: 7.5YR 6/4, few tiny lime particles, few very tiny silver mica particles, some lime eruptions, hard fired. Lustrous gloss, metallic, some wear, Gley 2.5/10Y. Lip is reserved ext., slight groove at junction between lip and upper body.

Cf. Rotroff 1997a, no. 756.

ONE-HANDLERS

The one-handler is represented by six pieces of the black variety belonging to the 4th century BC. The earlier banded variety has not been identified.⁴³⁶ There are two pieces (Da-480-Da-481) dated to around 400 BC. Most characteristic for this type is the unbroken curve of the body from rim to foot. No decoration is preserved on any of the pieces, but in the case of the Attic example this may be accounted for by the fact that only rim fragments are preserved. Only three pieces have a larger part of the profile preserved (Da-480, Da-481, Da-483), but they are not decorated. This is contrary to Attic examples known from the Athenian Agora where interlinked palmettes were canonical. At the Olbian necropolis, the one-handlers are attested mostly from the Classical period.⁴³⁷

Ca. 400 BC

Fabric group 4

Da-480 97-224, VI-3 B 489/296

Fr. of deep body, simple rounded ring foot, complete profile preserved. H 7.3; Ø rim 14.4; Ø base 6.5. Concentric black band on underside.

Shape resembles Cf. Sparkes & Talcott 1970, no. 755, but slightly deeper and with more rounded foot.

Other fabrics

Da-481 97-57, VI-3 B 489/293. Pl. 136

Fr. of relatively shallow body, slightly upturned handle, ring foot with flat rest, complete profile preserved. H 6.5; Ø rim 15; Ø base 7.2. Concentric band with central dot on underside.

Shape resembles Cf. Sparkes & Talcott 1970, no. 755, only slightly shallower.

375-350 BC

Fabric group 1 / Attic

Da-482 93-851, III-1 R 388/86. Pl. 136

Fr. of straight rim, flat lip. H 2.9; Ø rim 14.5. Gloss has flaked off in many places.

Close to Sparkes & Talcott 1970, no. 759, but with slightly flatter, more angular rim.

Fabric group 5

Da-483 93-956, III-3 R 359/121

Fr. of flattened rim and upper body. H 5.4; Ø rim 18.

Close in shape to Cf. Sparkes & Talcott 1970, no. 757, but with much larger Ø of rim, ca. 375 BC.

Other fabrics

Da-484 93-775, III-2 B 389/88

Fr. of straight rim. H 3.9; Ø rim 18. Fabric: 7.5YR 6/6, many very tiny light-reflecting particles, hard fired. Lustrous black gloss, metallic, worn both int. and ext.

Cf. Sparkes & Talcott 1970, no. 759

325-300 BC

Fabric group 6

Da-485 94-685, IV-2 B 302/191

Three joining frs. of flat rim, handle attachments preserved, flat base, complete profile preserved. H 2.9; Ø rim 9.5; Ø base 4.5. Gloss has flaked off in many places.

Close to Rotroff 1997a, no. 826, but flat base.

BOWLS WITH OUT-TURNED RIMS

In the Mediterranean one of the most popular and widely distributed bowls of the late Classical and Hellenistic periods was the bowl with out-turned rim, and the appearance of this type in Olbia is no exception.⁴³⁸ Within the NGS material, the bowls are represented by two subtypes; Classical bowls with out-turned rims and Hellenistic bowls with out-turned rims. There are 12 Classical bowls and four of the Hellenistic type.⁴³⁹ The Classical bowls cover the period from the early 4th to the late 3rd century BC. The earliest pieces have a so-called “bird-head” profile (Da-486-Da-488), while the later examples have a simpler rim continuing from the curve of the wall for example, Da-489-Da-497. None of the catalogued pieces come from the Attic production and the variety of different fabrics is great, mainly concentrating in Fabric

⁴³⁶ It is reasonable to assume that the banded variety was in fact present in Sector NGS. The lack of identified pieces probably results from the fact that most of the vessel is normally left unglossed. Diagnostic fragments are thus more likely to be categorized under non-glossed pottery.

⁴³⁷ Kozub 1974, 55-56.

⁴³⁸ For the bowls with out-turned rims at Athens, see Rotroff 1997a, 156-157.

⁴³⁹ There may be potentially more bowls in this category since secure identifications of feet fragments have not always been possible. Thus, there may be feet categorized under the group “Various feet” which in fact belong here.

groups 3 and 4, as well as a number of different unidentified “other fabric” ascriptions. The diversity in fabric is also reflected in the rim diameters, which range from 12 to 20 cm, as well as in the execution of the vessels, which is often of very varying quality. Decoration is found on four pieces: **Da-489** and **Da-491**, which have stamped palmettes within rouletting and **Da-492** and **Da-497**, which have stamped palmettes on their own.

The Hellenistic-type bowls overlap somewhat with the Classical bowls and thus cover the period from ca. the mid-3rd to the late 2nd century BC. None of the four pieces from the NGS material come from the Attic production, but instead stem from the unidentified production centres of Fabric groups 3, 5, 6 (possibly local) and “other fabrics”. The rim diameters vary from 9 to 18 cm, and in general the bowls are of rather varying quality and execution. There are frequent stacking marks and carelessly applied gloss, all in all leaving an impression of a group of rather cheap vessels. Decoration is absent from the Hellenistic pieces – a picture which seems to fit well with the Athenian material where decoration is very rare on similar contemporary pieces.⁴⁴⁰

Classical bowls with out-turned rims

380-360 BC

Other fabrics

Da-486 96-281, VI-3 R 477/287. Pl. 136

Rim fr. with bird-head profile and body, vertical wall. H 3.4; Ø rim 16. Reddish-brown, 5YR 5/4, some very tiny golden mica.

Cf. Sparkes & Talcott 1970, no. 802.

325-300 BC

Fabric group 3

Da-487 92-831, IV-3 B 343/208. Pl. 136

Rim fr. with bird-head profile, short and thickened rim. H 4.2; Ø rim 18.

Cf. Rotroff 1997a, nos. 866, 868.

Other fabrics

Da-488 92-315, IV-3-B 343/201

Rim fr. with bird-head profile, thin-walled. H 4; Ø rim too little preserved to measure. Fabric: 7.5YR 6/4, 7.5YR 6/6, no visible inclusions. Reserved band on lower part of body.

Cf. Rotroff 1997a, nos. 866, 868.

310-290 BC

Fabric group 4

Da-489 89-710, IV-1 B 257/156. Pl. 136, 149

Rim fr., body and ring foot, nipple, complete profile preserved. H 5.9;

Ø rim 16; Ø base 9.5. One and a half stamped palm branches preserved within three bands of rouletting.

Shape close to Rotroff 1997a, no. 871. Stamp close the Zolotarev 2005, fig. 7.3 (dated slightly later).

Da-490 95-16, VI-2 B 410/249

Rim fr., body and broad ring foot, complete profile preserved. H 4.9; Ø rim 13; Ø base 7. Stacking mark int.

Cf. Sparkes & Talcott 1970, no. 808.

Fabric group 5

Da-491 93-901, III-3 B 368/106. Pl. 137, 149

Rim fr., body and broad ring foot, complete profile preserved. H 4.5; Ø base 9. One preserved stamped palmette within band of rouletting. Campanian?

Cf. Rotroff 1997a, nos. 871-874, early 3rd century BC; possibly also Morel 1981, nos. 2645a-2645b, 3rd to 2nd century BC.

Da-492 94-209, II-5 B 390/29

Rim fr., body and ring foot with grooved rest, complete profile preserved. H 4; Ø rim 12. Two thin horizontal grooves ext., two stamped palmettes. Stacking mark.

Cf. Rotroff 1997a, nos. 869-871.

Other fabrics

Da-493 91-539a, III-3 R 278/93

Fr. of projecting rim, body and ring foot with flat rest, complete profile preserved. H 4; Ø rim 12.5; Ø base 7. Fabric: layered 5YR 4/6 to 5YR 4/3, many very tiny lime particles, many tiny lime particles, some very tiny black particles, many very tiny light-reflecting particles, hard fired, compact. Dull dusky red gloss, 10R 3/3, unevenly applied, well fired, flaked off in few places. Reserved underside.

Cf. Rotroff 1997a, nos. 871-874, early 3rd century BC.

275-250 BC

Other fabrics

Da-494 93-342, III-2 B 389/87

Fr. of out-turned rim. H 3.2; Ø rim 20. Fabric: 2YR 6/8, few light-reflecting particles. Gloss unevenly fired from 10YR 3/4 to 7.5YR 2.5/1, flaked off in several places.

Cf. Rotroff 1997a, no. 879.

250-240 BC

Fabric group 3

Da-495 92-790, IV-3 B 343/206. Pl. 137

Rim fr. and angular body. H 5.4; Ø rim 18.

Cf. Rotroff 1997a, no. 887.

⁴⁴⁰ Rotroff 1997a, 158.

250-225 BC

Cf. Rotroff 1997a, no. 926.

Fabric group 4

Da-496 01-1125, VI-3 B 661/304

Fr. of high ring foot, angular body, grooved rest. H 4; Ø base 10. Reserved band at junction between body and foot. Traces of secondary burning.

Cf. Rotroff 1997a, no. 885.

225-200 BC

Fabric group 3

Da-497 95-14, VI-2 B 410/249

Rim fr., body and high ring foot. H 4.1; Ø rim 11; Ø base 6.5. Foot and lower part of body reserved, part of one stamped palmette preserved int.

Cf. Rotroff 1997a, no. 890.

Hellenistic bowls with out-turned rims

250-200 BC

Fabric group 5

Da-498 94-641, VI-2 R 410/251. Pl. 137

Four joining frs. of rim, deep body and broad ring foot, complete profile preserved. H 5.2; Ø rim 16.

Cf. Rotroff 1997a, no. 916.

200-175 BC

Fabric group 3

Da-499 91-668, III-1 Stove 329/69. Pl. 137

Fr. of projecting rim, angular body and ring foot, complete profile preserved. H 6.3; Ø rim 22; Ø base 10. Foot reserved ext. Stacking mark int. Three repair holes.

Cf. Rotroff 1997a, nos. 923-924.

175-150 BC

Fabric group 6

Da-500 02-112, VI-3 B 661/303. Pl. 137

Rim fr., angular body and ring foot, nipple, complete profile preserved. H 2.9; Ø rim 9; Ø base 3.9. Lower part of body and foot reserved.

Variant

Other fabrics

Da-501 94-678, VI-2 R 410/251

Fr. of small bowl, out-turned rim, ring base, complete profile preserved. H 3.45; Ø rim 15; Ø base 5. Fabric: 10R 7/8, few very tiny light-reflecting particles, few very tiny lime particles, single large lime particle, hard fired. Gloss varies in colour from 2.5YR 4/8 to 5YR 2.5/1, evenly applied, but unevenly fired.

OTHER BOWLS

Apart from the bowls with out-turned rims there are several other different types of smaller and larger bowls within the NGS material.⁴⁴¹ The earliest types are the bowls with shallow walls, convex-concave profiles (Da-502); the early and heavy type (Da 503-Da-505). These bowls all belong to the 5th century BC, roughly covering the last half of the century. They are mostly smaller bowls with a rim diameter around 10 cm. All pieces are of Attic manufacture and the majority shows signs of extensive wear. One of the pieces, Da-504, deserves special mentioning due to its elaborate decoration. The type is well known from Athens, but it is unique within the NGS material.⁴⁴²

The most common type of bowl in the NGS material is the echinus bowl (Da-506-Da-546). The catalogue entries roughly cover the period from the third quarter of the 4th to the early 1st century BC. The different types within this chronological period are the shallow Classical echinus bowl (Da-506-Da-517),⁴⁴³ the shallow Hellenistic type (Da-518-Da-527)⁴⁴⁴ and the deep Hellenistic type (Da-528-Da-546).⁴⁴⁵ Furthermore, there are 12 small bowls with broad bases (Da-547-Da-558), as well as two pieces of the so-called footed, hemispherical bowl (Da-559-Da-560).

The shallow, Classical echinus bowls date from ca. 325-275 BC in our material. The early pieces are all of Attic manufacture and in general there is a large number of Attic pieces among this type. Both within the Attic pieces and the pieces from other production centres the rim diameters vary greatly from 9.5 cm to 23 cm. Bands of rouletting are the most common type of decoration, while only one piece (Da-510) has a stamped palmette decoration. In general, the pieces are much worn and the gloss is often badly preserved. Two pieces, Da-510 and Da-513, have ancient repairs.

The shallow Hellenistic echinus bowls were produced at the same time as the Classical type but they appeared a little later and continued a little longer. There is still quite a substantial amount of Attic imports, but other fabrics are more prominent, especially among the later types compared to the shallow Classical type. The presumed local production of Fabric group 6 is now present with three examples (Da-524-Da-526) dating from ca. 300-250 BC. As was the case with the

⁴⁴¹ There may be quite a number of unidentified feet belonging to this group. They have, for reasons of problematic identification, been classified under "Various feet".

⁴⁴² Sparkes & Talcott 1970, 133-134.

⁴⁴³ Rotroff 1997a, 161-162.

⁴⁴⁴ Rotroff 1997a, 162.

⁴⁴⁵ Rotroff 1997a, 162-163.

previous Classical type, the rim diameters vary greatly from 8 cm to 17 cm, reflecting very little standardization within the group, which is contrary to Athens where they are rather uniform in size.⁴⁴⁶ In general, it seems difficult to conclude whether the pieces with a larger diameter belong to the Classical type or not. The quality of the bowls varies; often there are stacking marks, unevenly applied gloss, many variations in colour, poor firing and badly-preserved gloss. In general, they show signs of extensive use, and four pieces (Da-520-Da-522 as well as Da-527) have ancient repair holes. Decoration consisting of simple bands of rouletting and stamped palmettes (Da-522) is less used and confined to early pieces.⁴⁴⁷

The deep Hellenistic bowls cover the long span from the late 4th to the early 1st century BC. This form is the most numerous among the echinus types in the NGS material, with 20 catalogue entries. There are substantial variations in sizes and minor shape divergences as well as ascriptions to a range of fabric groups, thus leaving the impression of quite a heterogeneous collection. As with the shallow Hellenistic type, the quality of the bowls varies greatly; often there are red stacking marks, unevenly applied gloss, many variations in colours, poor firing and badly-preserved gloss. Most pieces are much worn and the gloss is, in general, substantially flaked off. Ancient repairs occur on four pieces (Da-528, Da-543, Da-545 and Da-546), the latter two both dated late in the period ca. 110-75 BC and interestingly from the presumed local production of Fabric group 6. Decoration is sparse and of poor quality. Thus, Da-533 has a band of poor rouletting while Da-539 has two preserved stamped palmettes.

The so-called small bowls with broad bases cover the chronological period from ca. 380 to the middle of the 3rd century BC. In the 4th century BC there is much variation in fabrics, while the later period, from ca. 300-250 BC, has a markedly high number of Attic imports compared with the number of pieces from other production centres (five out of eight catalogue entries are Attic). The very latest pieces, dated roughly from 275-250 BC on the basis of their analogies in the Attic series, are two possible local products of Fabric group 6 as well as a piece from Fabric group 3. In general, the bowls are quite worn, especially on the rims and rests and the gloss is often badly preserved. Da-549 is the only piece with an ancient repair. Decoration is confined to the Attic pieces and consists of a stamped palmette cross, Da-552, and bands of rouletting, Da-533 and Da-555.

The shape is popular in the Attic series, especially in the 4th century BC, but seems not to have continued beyond the middle of the 3rd century BC at Athens.⁴⁴⁸

Footed, hemispherical bowls (Da-559-Da-560) are only represented by two pieces in the NGS material. The identification of the two rim fragments is tentative, since only small parts of their profiles are preserved. However, both pieces are from unidentified production centres and, if indeed the identifications are correct, the dates suggested here must be cautiously approached in comparison with the more securely-dated material from Athens.⁴⁴⁹ Rotroff suggests a possible foreign influence on the Attic pieces, but refrains from pinpointing a certain prototype.⁴⁵⁰

Small bowl, shallow wall, convex-concave profile

450-430 BC

Fabric group 1 / Attic

Da-502 91-385, IV-2 B 302/181. Pl. 137

Fr. of in-curved rim, shallow concave body, broad, flat base. H 3.2; Ø rim 7.5; Ø base 7. Gloss has flaked off in places, much worn on ext. lip. Reserved rest.

Cf. Sparkes & Talcott 1970, nos. 817-818.

Small bowls, early and heavy

450-425 BC

Fabric group 1 / Attic

Da-503 92-798, IV-3 B 343/207

Fr. of broad, thick rim, slightly rounded at top, shallow body, very thin-walled at lower part of fr. H 2.2; Ø rim 9.5.

Cf. Sparkes & Talcott 1970, no. 861.

425-400 BC

Fabric group 1 / Attic

Da-504 97-467, VI-2. Pl. 138, 149

Fr. of flat rim, shallow body and moulded ring foot, moulding on lower body, complete profile preserved. H 3.5; Ø rim 10; Ø base 6.1. Gloss has flaked off in several places on rim and rest. Small, delicate stamped palmettes on flat rim, int. two bands of stamped palmettes within two concentric bands, central concentric band. Reserved underside with one black circle.

Close in shape to Cf. Sparkes & Talcott 1970, no. 849, but with more elaborate foot and mouldings as well as stamped palmette decoration pointing to a date later in the century, perhaps 425-400 BC.

Da-505 87-760, II-3 B 92/14

Rim fr., body and foot, flat base. H 2.8; Ø rim 6.5; Ø base 4.5.

Close to Sparkes & Talcott 1970, no. 870, 425-400 BC.

⁴⁴⁶ Rotroff 1997a, 162.

⁴⁴⁷ According to Rotroff, none of the shallow Hellenistic bowls in Athens were decorated. Two of the shallow Hellenistic bowls from Sector NGS with decoration are not Attic which could explain the continued use of rouletting and stamping.

⁴⁴⁸ Rotroff 1997a, 165.

⁴⁴⁹ Rotroff 1997a, 164.

⁴⁵⁰ Rotroff 1997a, 164.

Echinus bowls***Shallow, Classical type****375-350 BC***Fabric group 1 / Attic****Da-506** 88-619, II-4 R 176. Pl. 138

Fr. of in-curved rim, shallow body, ring foot, complete profile preserved. H 2.6; Ø rim 9.5. Gloss is flaked off in many places, almost completely worn off int. and on lip. Reserved rest.

Close to Sparkes & Talcott 1970, no. 828.

*325-300 BC***Fabric group 1 / Attic****Da-507** 86-816, I-1 R 10/1. Pl. 138

Fr. of slightly in-curved rim, shallow body, ring foot, complete profile preserved. H 3.1; Ø rim 23; Ø base 9.8. Band of rouletting, reserved rest.

Cf. Rotroff 1997a, nos. 979-980.

Other fabrics**Da-508** 89-708, IV-1 B 257/156

Fr. of ring foot with pointed middle. H 2.8; Ø base 8.3. Fabric: 5YR 5/8, relatively even in colour, many golden mica particles, some large lime particles, few tiny black particles, hard fired. Semi-lustrous gloss, varies in colour from 2.5Y 2.5/1 to 2.5YR 4/8, evenly applied, slightly metallic. Four stamped palmettes in a cross, incised circle, three bands of rouletting, reserved band between foot and base.

Cf. Rotroff 1997a, no. 970, ca. 300 BC.

*300-275 BC***Fabric group 1 / Attic****Da-509** 93-983, II-5 B 390/27

Fr. of in-curved rim. H 1.7; Ø rim 18. Band of rouletting, reserved band at junction between body and foot.

Cf. Rotroff 1997a, no. 981.

Da-510 93-1152, IV-4 B 392/221. Pl. 138

Fr. of in-curved rim, shallow body, grooved ring foot, complete profile preserved. H 3.65; Ø rim 15; Ø base 8.5. Gloss flaked off and cracked in places, scraped groove at junction between body and foot. One preserved stamped palmette within rouletting. One repair.

Cf. Rotroff 1997a, nos. 981-982.

Da-511 95-391, II-5 R 451/43

Fr. of in-curved rim, shallow body, relatively thin-walled. H 3.1; Ø rim 15. Gloss is much worn on lip. Several uneven bands of rouletting.

Cf. Rotroff 1997a, no. 978.

Da-512 96-18, II-5 B 390/36

Fr. of in-curved rim and upper body. H 2.6; Ø rim 13. Band of rouletting, reserved band on lower part of body ext.

Cf. Rotroff 1997a, no. 978.

Da-513 01-1107, VI-3 B 661/304

Fr. of in-curved rim. H 3.8; Ø rim 22. Traces of secondary burning. Repair holes.

Close to Rotroff 1997a, nos. 978-980.

Fabric group 4**Da-514** 95-163, VI-3 B 434/275

Fr. of in-curved rim. H 2.2; Ø rim 23. Band of rouletting. Traces of secondary burning.

Close to Rotroff 1997a, nos. 978-980.

Da-515 87-547, II-3 B 89/10

Five joining frs. of rim and upper body. H 5.4; Ø rim 16. Gloss has flaked off on part of rim.

Close to Rotroff 1997a, no. 981.

Other fabrics**Da-516** 93-528, VI-2 B 395/259

Fr. of in-curved rim, shallow body, ring foot, complete profile preserved. H 4.3; Ø rim 10. Fabric: 5Y 3/1, some very tiny light-reflecting particles. Black, 5Y 2.5/1, gloss, much worn, many scratch marks. Several bands of rouletting. Traces of secondary burning.

Close to Rotroff 1997a, no. 978, ca. 275 BC.

Da-517 93-529, VI-2 B 395/259

Fr. of in-curved rim. H 3.5; Ø rim 14. Fabric: 5YR 6/6, a few very tiny lime particles, hard fired. Gloss very uneven in colour ext., 7.5YR 2.5/2, int. 2.5YR 5/8.

Close to Rotroff 1997a, no. 978.

Shallow, Hellenistic type*Ca. 310-300 BC***Fabric group 1 / Attic****Da-518** 92-881, IV-3 B 343/210

Fr. of slightly in-curved rim. H 2.3; Ø rim 8.

Cf. Rotroff 1997a, no. 983.

Da-519 93-649, III-3 R 359/120

Fr. of in-curved rim with rounded lip, shallow body. H 1.85; Ø rim 14. Gloss has flaked off in places, very worn on lip. Two bands of rouletting, reserved band at junction between body and foot. Red stacking mark int. Traces of secondary burning.

Cf. Rotroff 1997a, no. 986.

Da-520 95-235, II-5 B 390/34

Fr. of in-curved rim. H 2; Ø rim 14. Repair hole.

Close to Rotroff 1997a, no. 984.

Other fabrics**Da-521** 95-109, II-5 B 390/33

Fr. of in-curved rim, shallow body, high ring foot, complete profile preserved. H 4.1; Ø rim 11; Ø base 6.3. Fabric: varies greatly in colour at one side of vessel, 5YR 5/6 to 2.5Y 6/2. Gloss is uneven in colour, flaked off in places. Faint traces of rouletting. Repair hole.

Close to Rotroff 1997a, no. 986.

Da-522 95-237, II-5 B 390/34. Pl. 138

Fr. of in-curved rim, high ring foot, grooved rest, complete profile preserved. H 5.5; Ø rim 17; Ø base 11. Fabric: 5YR 6/6, pure, even in colour, hard fired. Lustrous, black gloss, metallic, very slight variation in colour, flaked off in few places. Stamped palmette within two bands of rouletting, reserved groove between body and foot, red paint in groove on rest.

Close to Rotroff 1997a, no. 986.

300-250 BC

Fabric group 1 / Attic

Da-523 95-544, II-5 R 451/42

Fr. of in-curved, flattened rim. H 1.6; Ø rim 9.5. Fabric: 2.5Y 3/2, gloss, slightly worn on int. lip. Stacking mark int.

Cf. Sparkes & Talcott 1970, no. 887.

Fabric group 6

Da-524 97-59, VI-3 B 489/293

Fr. of in-curved rim, shallow body. H 5.3; Ø rim 18. Gloss has some wear, partly glossed ext.

Close to Rotroff 1997a, no. 989.

Ca. 250(?)

Fabric group 6

Da-525 93-123a, III-3 B 368/102

Fr. of in-curved rim. H 3.4; Ø rim 10. Ext. partly glossed, much crazing, flaked off in many places.

Close to Rotroff 1997a, no. 991.

Da-526 94-209a, II-5 B 390/29

Fr. of in-curved rim, shallow body, ring foot with flat rest, slight nipple, complete profile preserved. H 2.95; Ø rim 8; Ø base 4. Ext. partly glossed, flaked off in many places, much worn on rim and lip.

Close to Rotroff 1997a, no. 992.

Other fabrics

Da-527 91-475, III-3 R 278/91

Fr. of in-curved rim and body. H 6.5; Ø rim at least 13. Fabric: 5YR 6/6, relatively even in colour, very pure, hard fired. Semi-lustrous gloss, slightly metallic, evenly applied, varies in colour from black to red, 2.5YR 4/8, well preserved. Stacking mark int. Repair hole.

Close to Rotroff 1997a, no. 991.

Deep, Hellenistic type

Ca. 325

Other fabrics

Da-528 91-502, II-5 B 311/22. Pl. 138

Fr. of thick in-curved rim, deep body, ring foot, complete profile preserved. H 6.4; Ø rim 16. Fabric: 5YR 5/6, very even in colour, few

very tiny light-reflecting particles, few voids, some large lime particles, few reddish pebbles, a single piece of silver mica, hard fired. Lustrous, black gloss, very metallic with a blue/purple shine, flaked off in many places, much worn on rim and int. Repair hole.

Cf. Rotroff 1997a, no. 993.

300-290 BC

Fabric group 1 / Attic

Da-529 93-127, III-3 B 368/102

Fr. of in-curved rim, shallow body. H 2.05; Ø rim 17. Gloss has flaked off on lip, much worn on ext. of rim.

Cf. Rotroff 1997a, no. 996.

Fabric group 4

Da-530 91-667, III-1 Stove 329/69

Fr. of shallow body, simple ring foot, grooved rest. H 4.15; Ø base 8. Gloss has flaked off in places.

Close to Rotroff 1997a, no. 1018.

Da-531 87-552, II-3 B 89/10

Four joining frs. of rim and body, very small part of groove between body and foot preserved. H 4.5; Ø rim 10.2. Gloss has flaked off in many places, much crazing, much worn on lip.

Close to Rotroff 1997a, no. 996, ca. 300 BC.

Fabric group 6

Da-532 94-163, IV-2 B 302/182. Pl. 139

Fr. of fairly sharp, in-curved rim, small, deep body, moulded ring foot, large nipple, complete profile preserved. H 5.1; Ø rim 10.5; Ø base 4.7. Gloss has flaked off in many places, ext. partly glossed, much worn on rim and lip.

Close to Rotroff 1997a, nos. 996-998.

300-275 BC

Fabric group 1 / Attic

Da-533 93-826, IV-4 B 397/219

Fr. of slightly in-curved rim, relatively shallow body, ring foot. H 4.8; Ø rim 16. Gloss has some wear. Band of poor rouletting. Thin reserved band and thin groove at junction between base and body ext.

Close to Rotroff 1997a, no. 1029.

Fabric group 4

Da-534 94-40, IV-2 B 302/180

Fr. of in-curved rim, rounded at lip. H 3.45; Ø rim 10.

Close to Rotroff 1997a, no. 1028, but with thinner wall.

Other fabrics

Da-535 93-767, VI-1 P 384/244

Fr. of in-curved rim and upper body. H 2.15; Ø rim 20. Fabric: 10YR 6/2, some very tiny lime particles, few large lime particles, few very

tiny black particles, some very tiny air bubbles, some cracks, hard fired. Black gloss, 5YR 2.5/1, evenly applied, evenly fired, flaked off in some places, much worn on ext.

Close to Rotroff 1997a, no. 1001, ca. 290-275 BC.

275-250 BC

Fabric group 6

Da-536 96-493, VI-3 R 477/278

Fr. of in-curved rim, angular foot, nipple. H 3.5; Ø rim 8; Ø base 3.5. Partly glossed ext., a lot of crazing, flaked off in many places.

Close to Rotroff 1997a, no. 1029.

Fabric group 7

Da-537 90-441, IV-2 B 280/164. Pl. 139

Two joining frs. of thin in-curved rim, shallow bowl, conical ring foot, complete profile preserved. H 3.8; Ø rim 10; Ø base 3.8.

Cf. Rotroff 1997a, no. 1002.

Other fabrics

Da-538 93-663, III-3 B 368/105

Fr. of in-curved rim, fairly shallow body. H 4.8; Ø rim 13. Fabric: 10YR 6/1-6/2, some large and one very large lime particles, some shells. Dull gloss unevenly applied, varies in colour from 2.5Y 2.5/1, to 2.5Y 4/2, much worn on ext.

Close to Rotroff 1997a, no. 1002.

275-200 BC

Fabric group 4

Da-539 94-417, VI-2 R 410/247. Pl. 139

Fr. of in-curved rim, deep body, simple ring foot, complete profile preserved. H 7.6; Ø rim 27; Ø base 8.5. Two stamped, very rounded palmettes. Partly glossed ext.

Zolotarev 2005, fig. 7, no. 3, ca. 275-215 BC.

Fabric group 6

Da-540 93-832, IV-4 B 397/219

Fr. of body. H 9.54. Gloss has flaked off in many places. Not glossed ext. Throwing marks ext.

Cf. Rotroff 1997a, no. 1019, ca. 275.

Other fabrics

Da-541 93-664, III-3 B 368/105

Fr. of thin lip, heavily in-curved rim, thin-walled body. H 2.5; Ø rim 11. 2.5YR 5/8, some silver mica and many medium lime particles, few shells. Gloss is flaked off in places, much worn on ext., varies in colour from 5Y 2.5/1 to 5Y 3/2.

Close to Rotroff 1997a, nos. 1029-1030.

Da-542 93-517, VI-2 B 395/259

Fr. of in-curved rim, deep body, low ring foot, complete profile pre-

served. H 2.6; Ø rim 7.5; Ø base 4.2. 5YR 6/6, even in colour, pure, hard fired. Dull gloss, ext. partly glossed, varies in colour from black to red, 2.5YR 4/8, flaked off in many places.

Close to Rotroff 1997a, nos. 1029-1030.

225-175 BC

Other fabrics

Da-543 90-440, IV-2 B 280/164

Three joining frs. of in-turned rim and upper body. H 6.1. Fabric: 10YR 5/3, some tiny light-reflecting particles, few very tiny voids, single very tiny black particle, sandy, compact, even in colour, very hard fired. Slightly lustrous, black gloss, unevenly applied, partly glossed ext., very worn on lip and rim ext. Stacking mark ext. Seven repair holes.

Close to Rotroff 1997a, no. 1007, 225-175 BC.

150-140 BC

Fabric group 4

Da-544 99-496, VI R 591/241

Five joining frs. of in-curved rim, deep body, high ring foot, flat rest, complete profile preserved. H 5.8; Ø rim 14; Ø base 6.5. Gloss is slightly worn on lip.

Close to Rotroff 1997a, no. 1012.

110-75 BC

Fabric group 2

Da-545 89-336, III-2 R 164/82

Fr. of in-curved rim and upper body. H 4.5; W 9.1. Gloss is much worn on lip, stacking mark int. One repair hole.

Cf. Rotroff 1997a, no. 1025, ca. 110-86 BC.

Fabric group 6

Da-546 91-406 + 91-407, IV-1 B 315/137. Pl. 139

Three non-joining frs. of in-curved rim, offset int., deep body. H 6.6; Ø rim 24.5. Gloss has flaked off in many places, partly glossed ext. Two repair holes on upper body below rim.

Close to Rotroff 1997a, no. 1017.

Small bowls, broad bases

Ca. 380 BC

Fabric group 1 / Attic

Da-547 92-799, IV-3 B 343/207

Fr. of simple, rounded, in-curved rim and upper body. H 2.7; Ø rim 10. Gloss has some wear.

Cf. Sparkes & Talcott 1970, no. 876.

Fabric group 3

Da-548 94-640, VI-2 R 410/251. Pl. 139

Fr. of in-curved rim, broad, flat base, complete profile preserved. H 2.8; Ø rim 8.7; Ø base 5.6. Gloss is flaked off in many places, much worn.

Upper part of profile close to Sparkes & Talcott 1970, no. 882, but base is much broader.

Other fabrics

Da-549 94-760, VI-2 R 410/251

Fr. of in-curved rim, shallow body, broad base, complete profile preserved. H 3; Ø rim 9; Ø base 5. Fabric: 7.5YR 6/4-6/6, relatively pure, hard fired. Semi-lustrous gloss, slightly metallic, unevenly applied, varies in colour, ext. black, int. red, 2.5YR 4/8, flaked off in many places. Repair hole.

Close to Sparkes & Talcott 1970, no. 882.

*Ca. 350-325 BC***Fabric group 4**

Da-550 89-420, II-6 B 186/45

Fr. of in-curved rim, shallow body, broad base pointed at middle, complete profile preserved. H 2.7; Ø rim 9; Ø base 5.4.

Close to Sparkes & Talcott 1970, no. 887.

Other fabrics

Da-551 96-216, V R 469/231. Pl. 139

Fr. of in-curved flattened rim, shallow body, flat broad base, grooved rest, nipple, complete profile preserved. H 3.3; Ø rim 8.5; Ø base 5. Fabric: 7.5YR 6/6. Gloss is worn on lip and rest.

Cf. Sparkes & Talcott 1970, no. 887.

*300-275 BC***Fabric group 1 / Attic**

Da-552 89-511, II-6 B 186/49. Pl. 149

Fr. of broad base with broad rest, nipple. H 1.4; Ø base 6.5. Stamped palmette cross.

Cf. Rotroff 1997a, no. 1056.

Da-553 90-193, III-3 R 278/89

Fr. of in-curved rim and body. H 1.5; Ø rim 12. Band of rouletting, reserved area on lower body ext.

Close to Rotroff 1997a, no. 1059, but with larger rim diameter.

Da-554 95-82, VI-3 B 434/277

Fr. of in-curved rim. H 2; Ø rim 9. Reserved band below lip ext.

Cf. Sparkes & Talcott 1970, no. 1056.

Da-555 95-236, II-5 B 390/34

Fr. of in-curved rim. H 1.3; Ø rim 12. Gloss has flaked off in places. Band of rouletting.

Close to Rotroff 1997a, no. 1058, but with slightly thinner rim and lip.

*275-250 BC***Fabric group 3**

Da-556 93-544, IV-4 B 351/218

Fr. of in-curved rim. H 2.45; Ø rim 13. Some crazing, gloss has some wear on lip.

Close to Rotroff 1997a, no. 1061.

Fabric group 6

Da-557 94-465, VI-2 B 395a/261. Pl. 139

Fr. of small, slightly in-curved rim, very shallow body, broad, flat base, nipple, flat rest, complete profile preserved. H 2.1; Ø rim 7; Ø base 4.2. Gloss is badly preserved, much worn on rim.

Close to Rotroff 1997a, no. 1061.

Da-558 89-758, II-2 B 248/8

Fr. of in-curved rim, body and ring foot, nipple. H 3; Ø rim 10; Ø base 3. Partially glossed ext., stacking mark.

Close to Rotroff 1997a, no. 1061, but thinner base.

Footed, hemispherical bowls*150-140 BC***Other fabrics**

Da-559 93-21a, III-3 R 278/96

Fr. of in-curved rim and upper body. H 3.1; Ø rim 12.

Close to Rotroff 1997a, no. 1040.

*110-86 BC***Other fabrics**

Da-560 93-545, IV-4 B 351/218

Rim fr. with rounded lip. H 4.8; Ø rim 23. Fabric: 5YR 5/6, few very tiny light-reflecting particles, few very tiny lime particles, few voids. Lustrous, black gloss.

Close to Rotroff 1997a, no. 1044.

Concave bowls***West Slope decoration*****Fabric group 4**

Db-561 89-854, IV-1 B 253/146. Pl. 139

Fr. of lower and upper body of skyphos. H 4.2. Fabric: 5YR 5/4, well levigated, hard fired, few voids, many small white particles, small quartz. Gloss: Gley 1 2.5/N, even in colour, very few flakes, evenly applied, semi-lustrous, metallic sheen. Band of two incised lines with row of white dots, vegetal garland with incised stem with alternating white and yellow leaves and three dot flowers above the yellow leaves.

Cf. Schäfer 1968, D29, but with birds, 150 BC. For the decoration, see Schäfer 1968, no. D19, 220 BC.

Secondary burning

Db-562 94-398, IV-2 B 302/183. Pl. 140

Fr. of incurving rim with convex profile. H 4.1; Ø rim 13. Fabric: 10YR 4/2. Gloss: flaked off in many places, worn on rim, Gley 1 3/N. Row of white triangles running right.

Pergamon: Behr 1988, no. 57, but with incised lines. Form known in Attic and Corinth from the third quarter of the 3rd century to the middle of the 2nd century BC, but the form is seen throughout the 2nd century BC.

Db-563 94-359, IV-2 B 302/182

Same as **Db-562**.

Hemispherical cups

285-275

Fabric group 1

Db-564 86-520, II-3 R 67. Pl. 140

Three frs. of rim and body. H 4.7; Ø rim 14. Fabric: 10YR 7/6. Gloss: Gley 1 2.5/N, gloss flaking off. Two incised bands with miltois, olive garland with broad stem in added clay.

Smetana-Scherrer 1982, no. 472, last quarter of the 4th century BC; Rotroff 1997a, nos. 311-315, 285-265 BC.

Db-565 89-49 + 89-50, II-6 B 195/55

Two frs. of incurved rim and mouldmade shell foot. Two grooves below the decoration panel. Pairs of antithetical leaping dolphins over waves formed by interlocking double spirals on double ground line with row of dots between them in added clay.

Identified from find-list illustration.

Smetana-Scherrer 1982, no. 528, pl. 40, also with dolphins, first half of the 3rd century BC; Rotroff 1997a, no. 311, but without grooves under decoration panel, no. 315, 285-275 BC.

Parabolic cup mastos

Fabric group 4

Db-566 89-760, II-2 B 248/8. Pl. 140

Rim fr. H 2.7; Ø rim 14. Fabric: Gley 1 6/10Y and 5YR 5/6, upper side reddish-black, 5YR 2.5/1. Gloss: slightly lustrous, few flakes, uneven in colour on ext. body. Incised grooves above and below decorative panel with white dot border near rim.

Cf. Rotroff 1997a, nos. 328-329, 200-175 BC.

Net-pattern cup

Second half the 3rd century to 200 BC

Fabric group 3

Db-567 94-176 + 94-176a + 94-114, IV-2 B 302/182. Pl. 140

Four joining frs. H. 9.6; Ø rim 19. Base not preserved, straight rim. Fabric: 2.5YR 5/8, well levigated, hard fired, large voids, small white particles less than 0.1 mm. Gloss: even in colour, lustrous, metallic sheen, int. 2.5YR 4/6, ext. Gley 2 2.5/1 5BG. Precise incised net pattern. Two repair holes.

Cf. Rotroff 1997a, no. 318, 240-225 BC; Radt & DeLuca 1999, no. 433, second half of the 3rd century to 200 BC; Rotroff & Oliver Jr. 2003, nos. 133-135, late 3rd to early 2nd century BC.

Fabric group 4

Db-568 93-138, II-7 P 1/65

Fr. of small net-pattern cup. H 1.5; Ø base 4. Fabric: 10YR 6/3, 2.5YR 6/6. Gloss: 5Y 3/1, semi-lustrous, metallic sheen, duller on inside, very few flakes. Incised net pattern.

Cf. Rotroff 1997a, no. 318, 240-225 BC; Radt & DeLuca 1999, no. 433, second half of the 3rd century to 200 BC; Rotroff & Oliver Jr. 2003, nos. 133-135, late 3rd to early 2nd century BC.

Secondary burning

Db-569 99-495, VI R 591/241. Pl. 140

Base fr. H. 2.1; Ø base 3.3. Fabric: sandwich, 7.5YR 6/4, 7.5YR 5/1, well levigated, hard fired, small voids 0.1 mm. Gloss: evenly applied, uneven in colour because of secondary burning, few flakes, semi-lustrous, metallic sheen, int. uneven in colour, evenly applied, burn marks, 2.5Y 2.5/1, int. 2.5Y 4/2. Incised net pattern, but only three lines preserved.

Cf. Rotroff 1997a, no. 318, 240-225 BC. Pergamon: Radt & DeLuca 1999, nos. 433, 434, 436, 438, second half of the 3rd century to 200 BC; Rotroff & Oliver Jr. 2003, nos. 133-135, late 3rd to early 2nd century BC.

Campana A bowls and plates

Within the glossed pottery from NGS is a relatively small but distinctive group of imported Campanian pottery.⁴⁵¹ The group consists exclusively of examples of Campana A ware, all of which are dated within the 2nd century BC. Most fragments belong to bowls (**Da-570-Da-578**), which is one of the most common shapes in the Campanian repertoire. However, the group also includes a jug fragment (**Da-343**).

The distribution of Campanian pottery in the Mediterranean is well known,⁴⁵² but it has largely been overlooked as a substantial group at Black Sea sites, and the assemblage from NGS constitutes the largest published collection to date.⁴⁵³

Four fragments (**Da-575-Da-578**) are stamped with a characteristic tulip-shaped motive. Bowls and plates with this stamp are probably the products of a Sardinian workshop, since the motif is particular common on this island and also found in samples from the Punta Scaletta

⁴⁵¹ For the Campanian pottery, see Morel 1981; Morel 1986; Lamboglia 1960; Lamboglia 1964. A good introduction with extensive bibliography can be found in Taborelli 2005 (for Campana A, see especially 70-72).

⁴⁵² For example, Morel 1981; Morel 1986; Morel 1990, 66-68.

⁴⁵³ See, however, Lungu 2009 for a recent assessment of Hellenistic Italic ceramics found at Black Sea sites.

shipwreck off the coast of Toscana.⁴⁵⁴ The tulip-shaped floral design underwent a regression from having very clearly marked and separated leaves to becoming stereotyped and rudimentary in the later versions. Examples of the earlier types have been found at Carthage and should, therefore, be dated before the destruction of the city in 149/146 BC.⁴⁵⁵ A lower date for bowls bearing this stamp is provided by a destruction layer from inside Megaron N at Scythian Neapolis dated to 135/131 BC.⁴⁵⁶ This date for the tulip-shaped stamp is confirmed by the fill of a cistern in the Olbian Agora, which contained at least three fragments of Campanian pottery.⁴⁵⁷ The closing of the cistern can now, after the revised dating of the Rhodian and Sinopean amphoras, be placed in the 140s BC.⁴⁵⁸ This date is further supported by the recent redating of the Pergamon deposit by Lawall, since, as Levi noted, the assemblages from both places seem to correspond well chronologically.⁴⁵⁹ One of the Campanian fragments from the cistern has a stamped motive similar to the stamps on Da-575-Da-578.

Apart from Olbia, Campanian pottery has been found also at other Black Sea sites, such as Istros, Chersonesos, Kalos Limen, Scythian Neapolis in the Crimea, Bol'shoj Kastel' and at Kozyrka 2 in the Olbian chora.⁴⁶⁰

Ca. 200-150 BC

Fabric group 9

Da-570 93-899, III-3 B 368/106. Pl. 141, 149

Fr. of ring foot with flat rest, slight nipple. H 2.1; Ø base 5.65. Gloss has flaked off in a few places, very worn on foot. Central stamped dot rosette.

For the decoration, see. Morel 1963, 32, fig. 1.9.

2nd century BC

Da-571 93-260, III-3 B 368/102. Pl. 150

Three joining frs. of rolled rim, body, ring foot with flat rest. H 4.35; Ø rim 17; Ø base 7. Gloss has flaked off in places, much worn on rim. Stamped floral palmette within band of rouletting. Reddish-brown stacking mark int., dusky-red, misfired spots ext. Two repair holes.

Morel 1981, no. 2811a.

Ca. 150-140 BC

Da-572 91-580, IV-1 B 315/139. Pl. 141

Fr. of lower body and ring foot. H 3.2; Ø base 4.7. Dot within concentric band in tondo. Stacking mark.

Morel 1981, no. 2952a 1.

Ca. 140-120 BC

Da-573 93-284, III-3 R 278/99. Pl. 141

Fr. of shallow body, broad ring foot, flat rest. H 5.1; Ø base 9. Gloss has flaked off in places, reddish-brown stacking mark in tondo.

Close to Morel 1981, no. 2234g.

Ca. 150-130 BC

Da-574 93-984, II-5 B 390/27. Pl. 141, 150

Fr. of lower body and ring foot, flat rest. H 3.1; Ø base 12. One preserved stamped palmette. Very worn. Traces of secondary burning.

For the decoration, see Morel 1990, pl. 1.2.

Da-575 91-665, III-1 Stove 329/69. Pl. 141, 151

Fr. of shallow body, ring foot with flat rest, slight nipple. H 3; Ø base 6.7. Four tulip-shaped palmettes within incised band and band of rouletting. Some misfired spots of dusky-red ext.

Morel 1981, series 2234. For the decoration, see Lamboglia 1964, 244, type 8 B.

Da-576 93-898, III-3 B 368/106. Pl. 141, 151

Fr. of lower body and ring foot with thin groove near rest, flat rest. H 2.7; Ø base 10. Stamped palmette, tulip-bud-shaped and inscribed in oval, band of rouletting.

Morel 1981, series 2234. For the decoration, see Lamboglia 1964, 244, type 8 B.

Da-577 92-614, IV-3 B 343/204. Pl. 141, 151

Fr. of high, broad ring foot. H 2.4; Ø base 8. Stamped petals within two bands of rouletting. Some dusky-red misfiring ext. Reddish-brown stacking mark int.

Close to Morel 1981, no. 2855a 1.

Da-578 91-675, III-3 C 331/128. Pl. 141, 151

Two joining frs. of floor and high ring foot, flat rest. H 4.8; Ø base 9. One tulip-shaped palmette within two bands of rouletting.

Close to Morel 1981, no. 1314a 1.

WHEELMADE BOWLS WITH HORIZONTAL FLUTING

Group A

Dd-579 89-338 III-2 B 164/82. Pl. 142

Rim and joining body frs. H 8.4; Ø rim 11. Fabric: 7.5YR 7/6. Coat

⁴⁵⁴ Morel 1963, 20-37; Lamboglia 1964, 244.

⁴⁵⁵ Morel 1990, 19-20, pl. 1.2.

⁴⁵⁶ Zajcev 2005, figs. 3.25, 4.14.

⁴⁵⁷ Levi 1964b, fig. 5.1-3.

⁴⁵⁸ For the original publication of the cistern, see Levi 1964b. The revised chronology of the Sinopean and Rhodian amphoras can be found in Fedoseev 1999 and Finkielsztejn 2001a.

⁴⁵⁹ Lawall 2002a.

⁴⁶⁰ Istros: Condurachi 1954, fig. 354; Chersonesos: Borisova 1956, 15-16, fig. 63 (from grave no. 5 in the area of the pottery workshops); Stojanov 2005, fig. 4.14; Kalos Limen: Užencev 2006, fig. 72, 77; Scythian Neapolis: Zajcev 2005, figs. 3.25, 4.14. Bol'shoj Kastel': unpublished; Kozyrka 2: photo archive, St Petersburg.

ext. 2.5YR 4/8, 2.5YR 2.5/4, int. 5YR 2.5/2, bi-coloured from stacking during firing.

Dd-580 89-338a III-2 B 164/82. Pl. 142

Three joining rim frs. H 7.1; Ø rim 13. Fabric: 10YR 8/4. Coat ext. 10R 4/8, 10YR 3/1, int. 10R 4/6, bi-coloured from stacking during firing.

Dd-581 93-508 III-3 B 368/104. Pl. 142

Base fr. The bowl is very worn. H 3; Ø base 5.5. Fabric: 5YR 7/6. Coat ext. 2.5YR 5/8, int. 2.5YR 5/6. One repair hole.

Group B

Dd-582 89-841 IV-1 B 253/146. Pl. 142

Two joining rim frs. with same number. H 5.3; Ø rim 9.5. Fabric: 2.5Y 7/4. Coat ext. 10YR 3/1, int. 10YR 3/1. Burnt.

Dd-583 93-103 III-3 B 368/102. Pl. 142

Rim fr. Not seen.

Dd-584 93-104 III-3 B 368/102. Pl. 142

Body fr. H 3.6. Fabric: 2.5Y 7/2. Coat ext. 7.5YR 6/4, 5/2, int. 10YR 4/1. Secondary burning.

SALT-CELLARS

There are 17 saltcellars in the NGS material, 13 of which have a complete profile preserved. Despite their small size and compact shape in general, due to their state of preservation none of the salt-cellars is complete. A few of the pieces, where only the rim and upper body are preserved, have been difficult to categorize securely as salt-cellars since their resemblance with the smaller echinus-type bowls is very strong.⁴⁶¹ There are three types of salt-cellars in the material, namely the salt-cellar with echinus wall, the footed salt-cellar and the spool salt-cellar. The first type is represented by three catalogue entries (**Da-585-Da-587**), while the second type is by far the most common constituting 13 out of the 17 catalogue entries (**Da-588-Da-600**). The single spool salt-cellar (**Da-601**) is, unfortunately, only preserved with a nearly complete profile. The rim diameters of the echinus-type salt-cellars are very homogeneous, ranging from 5.5 cm to 6.5 cm. The rim diameters of the footed salt-cellars are somewhat larger, ranging between 6.1 cm and 9 cm, with the majority between 7 cm and 9 cm. The rim diameter of the spool salt-cellar is difficult to measure exactly due to its poor preservation, but an estimate would be ca. 12 cm. Chronologically, the echinus-walled salt-cellars are the earliest among our pieces, dating from ca. 500 to the late 5th century BC. It is remarkable that the later development of the echinus salt-cellar, with flat underside, belonging to the second half of the 5th century BC is not present in the NGS material.⁴⁶² The footed salt-cellars cover the period from the early 4th to the middle of the 3rd century BC, while the spool salt-cellar seems to be datable within the range 325-295 BC.⁴⁶³

It is interesting to note that the three earliest echinus salt-cellars are all of Attic manufacture. They are all much worn, showing signs of extensive use, and one piece (**Da-586**) has the only ancient repair hole among the whole group of salt-cellars. In contrast, the footed salt-cellars

come in a great number of different fabrics and thus minor variations in shape are numerous. It is, however, common for all of them that they show signs of extensive use, with much wear and badly-preserved gloss.

Echinus wall

500-480 BC

Fabric group 1 / Attic

Da-585 94-783, VI-2 B 395a/267. Pl. 143

Fr. of in-curved rim, thick-walled body, simple grooved base, complete profile preserved. H 2.9; Ø rim 6. Gloss is flaked off in many places, much worn on lip and int.

Close to Cf. Sparkes & Talcott 1970, no. 901.

Ca. 475 BC

Fabric group 1 / Attic

Da-586 95-74, VI-2 B 410/245

Fr. of slightly in-curved rim, body and foot, complete profile preserved. H 3; Ø rim 5.5. Gloss is much worn. One repair hole.

Cf. Sparkes & Talcott 1970, no. 903.

475-450 BC

Fabric group 1 / Attic

Da-587 95-587, VI-2 B 455/257. Pl. 143

Fr. of slightly in-curved rim, cylindrical body, groove below rim ext., flat, simple base, complete profile preserved. H 3.2; Ø rim 6.5; Ø base 5.5. Gloss has flaked off in places, much worn on ext. foot. Traces of red paint on underside.

Close to Sparkes & Talcott 1970, no. 901, but with groove below rim and slightly higher base.

Footed

375-350 BC

Fabric group 3

Da-588 94-761, VI-2 R 410/251. Pl. 143

Fr. of thick-walled, in-curved rim, simple ring foot, flat rest, complete profile preserved. H 3.3; Ø rim 7; Ø base 5. Gloss has flaked off in many places, much worn on rim and ext. body.

Close to Sparkes & Talcott 1970, no. 944, but thinner and with smaller foot.

⁴⁶¹ Rotroff 1997a, 161, 167; Morgan 2004, 213.

⁴⁶² The type also seems to be absent in the necropolis, see Kozub 1974, 52-54.

⁴⁶³ Sparkes & Talcott 1970, 136-138; Rotroff 1997a, 165-166.

Fabric group 4**Da-589** 94-557, VI-2 R 410/250

Fr. of in-curved rim, false ring foot, complete profile preserved. H 3.3; Ø rim 9; Ø base 5. Gloss is flaked off in many places, much worn.

Closest parallel is Cf. Sparkes & Talcott 1970, no. 944, but foot on our specimen is somewhat lighter, the rim is thicker at the middle and it has a larger rim Ø.

Other fabrics**Da-590** 93-778, III-2 B 389/88

Rim fr., body and foot, complete profile preserved. H 2.8; Ø rim 7; Ø base 5. Fabric: 10YR 5/3, many very tiny lime particles and a few very tiny silver mica particles. Gloss is flaked off in many places, much worn on ext., traces of secondary burning ext.

Close to Sparkes & Talcott 1970, no. 946, but with slightly higher and simpler foot.

Da-591 95-113, II-5 B 390/33

Fr. of in-curved rim, body and flat foot, complete profile preserved. H 3.3; Ø rim 7; Ø base 4. Fabric: 5YR 6/6, some golden mica, a single lime and black particle. Gloss is unevenly applied, flaked off in many places, varies in colour from black to red, 2.5YR 5/8.

Close to Sparkes & Talcott 1970, no. 944.

*325-300 BC***Fabric group 1 / Attic****Da-592** 95-234, II-5 B 390/34. Pl. 143

Fr. of in-curved rim and body. H 3.5; Ø rim 8.

Cf. Rotroff 1997a, no. 1077.

Fabric group 5**Da-593** 87-553, II-3 B 89/10

Rim fr. and body. H 2.15; Ø rim 7. Gloss has flaked off extensively.

Close to Rotroff 1997a, no. 1075(?), ca. 325 BC.

Other fabrics**Da-594** 87-531, II-3 B 89/10. Pl. 143

Three joining frs. of rim, body and ring foot with broad groove, complete profile preserved. H 3.3; Ø rim 6.1; Ø base 4.9. Gloss has flaked off extensively, very worn on lip.

Close to Rotroff 1997a, no. 1075, ca. 325 BC.

*275-250 BC***Fabric group 1 / Attic****Da-595** 95-112, II-5 B 390/33. Pl. 143

Fr. of very thin body, square profile, straight lip/rim, moulded ring foot, grooved rest, complete profile preserved. H 3; Ø rim 6.5; Ø base 5.

Closest parallel is Rotroff 1997a, no. 1087, but with a grooved rest and a straighter wall.

Fabric group 4**Da-596** 87-432, II-3 B 89/11

Fr. of in-curved rim, body and high ring foot, flat rest, complete profile preserved. H 4.1; Ø rim 11.5; Ø base 6.

Close to Rotroff 1997a, nos. 1084-1085.

Da-597 94-464, VI-2 B 395a/261

Fr. of sharply in-curved rim, thin-walled body, nipped ring foot, flat rest, complete profile preserved. H 3.7; Ø rim 8.5; Ø base 4.3. Gloss has flaked off in places, worn on rim. Reserved underside.

Cf. Rotroff 1997a, nos. 1087-1088.

Other fabrics**Da-598** 89-709, IV-1 B 257/156

Fr. of in-curved rim, relatively square, thick body, ring foot, nipple, complete profile preserved. H 3.7; Ø rim 7; Ø base 5. Reddish-yellow clay with spots of slightly pinker colour. Gloss tends to appear brownish in places.

Close to Rotroff 1997a, no. 1086, but with squarer body.

Da-599 94-113, IV-2 B 302/182

Fr. of flat, incurved rim. H 2.3; Ø rim 8. Fabric: 5Y 4/1, few tiny lime particles and few very tiny golden flakes. Gloss is much worn, traces of secondary burning.

Close to Rotroff 1997a, no. 1084, but with flatter rim and slightly deeper body.

Da-600 96-280, VI-3 R 477/287

Fr. of in-curved rim, body and foot, complete profile preserved. H 3.1; Ø rim 6.5; Ø base 3.2. Fabric: 5YR 6/6, 7.5YR 6/4. Gloss is dull, unevenly applied, only partly glossed ext., varies in colour from 5YR 5/6, flaked off in many places.

Cf. Rotroff 1997a, no. 1086.

Spool*325-295 BC***Fabric group 1 / Attic****Da-601** 93-339, III-2 B 389/87. Pl. 143

Rim fr. and body. H 4.4; Ø inner base 8. Some crazing.

Close to Rotroff 1997a, no. 1070.

3. VESSELS FOR OIL**LEKYTHOI**

There are only three identified lekythoi in the NGS material. The black bodied piece, **Da-602**, which is from the unidentified production centre of Fabric group 4, can probably be dated somewhere around the middle of the 5th century BC on the basis of its closest morphologi-

cal analogy in the Athenian material.⁴⁶⁴ The second piece, **Da-603**, is Attic and dated ca. 425 BC, while the last piece, **Da-602**, belongs in the late 4th to early 3rd century BC. It is of Attic manufacture and the shape is characterized by Rotroff as the final stage of the Classical development.⁴⁶⁵ In general, the larger lekythoi probably served multiple purposes, not only confined to containing oil,⁴⁶⁶ while the smaller pieces, like our **Da-602**, with a much more limited capacity, possibly served as containers for finer liquids such as oil, honey or other substances. Lekythoi of similar black bodied type as our specimen are found in the Olbian necropolis from the end of the 6th century BC onwards,⁴⁶⁷ and the lekythos in general is, not surprisingly, very common in the grave goods of the 5th and 4th century BC.⁴⁶⁸ The later piece also has parallels in the Olbian necropolis material of the late 4th and early 3rd century BC.⁴⁶⁹

Black bodied

Ca. 450 BC

Fabric group 4

Da-602 96-417, V R 465/230. Pl. 152

Fr. of body, sharp shoulder profile. Neck, handle and foot missing. H 7.1. Gloss varies greatly in colour from black to dark greyish-brown to olive-brown, 2.5Y 4/2-4/3, flaked off in many places. On shoulder uneven dark-grey strokes, under shoulder on upper part of body and near foot two dusky-red bands, 2.5YR 3/2.

Close to Sparkes & Talcott 1970, no. 1119.

Ca. 425 BC

Fabric group 1 / Attic

Da-603 95-436, II-5 B 390/35

Fr. of neck, high vertical handle and upper body, sharp ridge at junction between neck and shoulder. H 3.4. Gloss has flaked off at places.

Similar in shape to Cf. Sparkes & Talcott 1970, no. 1123.

325-275 BC

Fabric group 1 / Attic

Da-604 87-544, II-3 B 89/10

Two joining frs. of rim and neck. H 4.2; Ø rim 10. Gloss has flaked off in few places, slight wear on lip.

Cf. Rotroff 1997a, no. 1110, 325-275 BC.

Brown-glossed group

Dc-605 95-256. Pl. 143

Rim and neck with fr. of handle. H 3.5; Ø rim 4. Dense, light clay, a small number of lime inclusions. Brown gloss.

Cf. Rotroff 1997a, no. 1123, 125-100 BC.

Dc-606 88-303. Pl. 143

Rim fr. H 5.6; Ø rim 10. Red clay, porous, a small number of lime inclusions, sand and mica. Brown, weak gloss. Vertical rim.

Cf. Rotroff 1997a, no. 1114, 200-175 BC.

AMPHORISKOI

Two specimens of amphoriskoi, with delicate stamped decoration, come from the NGS material. They have an elaborate decoration consisting of impressed stars or palmettes that cover the entire preserved area. They belong to the "stamped" class of amphoriskoi well known from the Athenian Agora and dating to the period ca. 430-400 BC.⁴⁷⁰

Ca. 430-420 BC

Fabric group 1 / Attic

Da-607 97-281. Pl. 143

Fr. of pointed foot and lower body of amphoriskos(?). H 4.2; widest Ø of lower body 4.6. Small stamped five-petalled star rosettes all over body, closely spaced, very delicately executed.

Shape close to Sparkes & Talcott 1970, no. 1150.

Da-608 99-631a, VI R 591/241. Pl. 144

Nearly complete piece, upper part of neck and one handle missing. H base to handle top 9.1; Ø base 1.3. Delicately stamped palmettes in three decorative bands all over body, incised tongue pattern around lower neck.

Close to Sparkes & Talcott 1970, no. 1159.

Not available for study, identified from find list illustration.

ASKOI

There are only three securely identified black-glossed askoi in the NGS material. They all belong to the shallow type of askoi of the last third of the 5th century BC.⁴⁷¹ Two pieces are of Attic manufacture and, despite their fragmentary condition, they are of a fine quality and well preserved, both in terms of clay and gloss. They are fully glossed and decorated with a reserved band on the exterior. **Da-610** has two ancient repair holes. The shallow askos seems to have been a very popular shape

⁴⁶⁴ Sparkes & Talcott 1970, 153, no. 1119.

⁴⁶⁵ Rotroff 1997a, 169.

⁴⁶⁶ Rotroff 1997a, 169.

⁴⁶⁷ For example, Skudnova 1988, 151, grave 59.

⁴⁶⁸ Kozub 1974, 92-103.

⁴⁶⁹ Parovič-Pešikan 1974, 107, type II.

⁴⁷⁰ Sparkes & Talcott 1970, 156-157.

⁴⁷¹ There are a number of spouts (**Da-613-Da-616**) which, due to their fragmentary condition, have been categorized together in a separate group since they could belong to either askoi or footed aryballoi.

at Athens where its development and chronology have been traced by Sparkes & Talcott.⁴⁷²

There are also parallels from the Olbian necropolis, where red figured examples are found among the grave goods of the Classical burials.⁴⁷³

Shallow type

Ca. 430 BC

Fabric group 1 / Attic

Da-609 93-1065, VI-2 B 395/260. Pl. 144

Rim fr., neck, body and base, complete profile preserved though handle missing. H 4.4; Ø rim 1.6; Ø base 8.5. Reserved band at mid-body.

Cf. Sparkes & Talcott 1970, no. 1174.

Da-610 95-440. Pl. 144

Two joining frs. of large, flat base and shallow body. H 2.6; Ø base 11.5. Gloss has spilled out int., reserved band ext. One repair hole in base.

Cf. Sparkes & Talcott 1970, no. 1174.

Fabric group 2

Da-611 93-768, VI-1 P 384/244

Fr. from rim. H: 3.5; Ø rim 4.5. A lot of crazing and part of a fingerprint. Only the lower part and the underside of the foot has gloss. Secondary burning.

ARYBALLOI

There is only one fragment of a presumed footed aryballos in the NGS material. The fragment is rather small and the rim has not been preserved, thus making secure identification problematic. The piece is tentatively dated to ca. 225-175 BC on the basis of comparison with Athenian material, though the NGS specimen belongs to the "other fabrics" group which makes the comparison and thus date tentative.

Footed

225-175 BC

Other fabrics

Da-612 93-265, III-3 B 368/102

Fr. of out-turned neck, rim missing, simple, flattened handle, ridge on shoulder. H 4.45. Fabric: 5YR 5/6, very micaceous, some tiny lime particles, a large lime particle, a few inclusions of shell, some small and

one large voids. Semi-lustrous gloss, 10YR 3/2, slightly metallic, flaked off in many places, worn on handle.

Closest parallel Rotroff 1997a, no. 1139(?).

Various spouts from shallow askoi or footed aryballoi(?)

Fabric group 1 / Attic

Da-613 88-531

Fr. of small neck with broad, flat, out-turned rim. H 3.4. Gloss has flaked off in many places.

Cf. Rotroff 1997a, no. 1139(?), 225-175 BC; or Cf. Sparkes & Talcott 1970, no. 1174, ca. 430 BC.

Da-614 94-658, IV-2 B 302/190

Fr. of small neck with broad, flat, out-turned rim, handle attachment preserved. H 3.1; Ø rim 3.5. Gloss has flaked off in many places. Reserved band on flat part of lip.

Cf. Rotroff 1997a, no. 1139(?), 225-175 BC; or Cf. Sparkes & Talcott 1970, no. 1174, ca. 430 BC.

Da-615 94-670, IV-2 B 302/192

Fr. of small, short neck, simple, slightly out-turned rim. H 2.3; Ø rim 2.6. Gloss is very worn at lip, flaked off in few places.

Cf. Rotroff 1997a, no. 1139(?), 225-175 BC; or Cf. Sparkes & Talcott 1970, no. 1174, ca. 430 BC.

Da-616 95-625, VI-2 B 410/258

Fr. of small, short neck, simple, slightly out-turned rim. H 2.2; Ø rim 3.

Cf. Rotroff 1997a, no. 1139(?), 225-175 BC; or Cf. Sparkes & Talcott 1970, no. 1174, ca. 430 BC.

GUTTI

The gutti in the NGS material are not numerous. The Classical type guttus is represented by **Da-617**. A single body fragment, **Da-618**, could be from either the Hellenistic type or the lidded type, as both these types have lion spouts as does our specimen. Furthermore, two gutti handles (**Da-619** **Da-620**) could be from either the Classical or Hellenistic type. Despite the chronological span between the two guttus fragments, they are both from the unidentified production centre of Fabric group 4, while the two handles come from the Attic production. The Classical type can be dated by comparisons within the Attic series to around ca. 300-285 BC,⁴⁷⁴ while the Hellenistic type should probably belong somewhere around ca. 290-275 BC.⁴⁷⁵ The lidded type is quite a bit later, dating somewhere from 140-125 BC,⁴⁷⁶ but it is not possible to be conclusive about a secure identification of the NGS piece due to its poor preservation. There seem to be traces of secondary burning on **Da-617**. However, none of the pieces show signs of ancient repairs.

⁴⁷² Sparkes & Talcott 1970, 158-159.

⁴⁷³ Kozub 1974, 68.

⁴⁷⁴ Rotroff 1997a, 172-173.

⁴⁷⁵ Rotroff 1997a, 173-174.

⁴⁷⁶ Rotroff 1997a, 174-175.

Gutti of various types have also been found among the grave goods of the Classical and Hellenistic necropoleis.⁴⁷⁷

Classical type

Ca. 300-285 BC

Fabric group 4

Da-617 01-1100, VI-3 B 661/302. Pl. 144

Fr. of short neck and rounded, offset upper body, handle and rim missing. H 6.8. Gloss has flaked off in places. Traces of secondary burning. Cf. Rotroff 1997a, nos. 1141-1142.

Hellenistic or lidded(?)

Ca. 290-275 BC or ca. 140-125

Fabric group 4

Da-618 91-405, IV-1 B 315/137. Pl. 144

Fr. of small part of rim, part of upper body with lion-head spout, part of strainer preserved. H 4.7; Ø rim 3. Gloss has flaked off in many places. Closest parallel Rotroff 1997a, no. 1155.

Handles

Fabric group 1 / Attic

Da-619 95-478, VI-2 B 410/258

Fr. of body and broken-off ring handle. H 3.4.

Could be handle from any of the types from Rotroff 1997a, nos. 1140-1157.

Da-620 96-476, VI-3 B 474/290

Fr. of ring handle with two grooves. H 3.4; Ø handle 3.4. Gloss has flaked off in places.

Could be handle from any of the types from Rotroff 1997a, nos. 1140-1157.

West Slope decoration

275 BC

Fabric group 3

Db-621 93-848, IV-4 B 351/220. Pl. 144

Fr. of guttus with ring handle. H 2.7; Ø widest point on body 10. Less than half of upper body preserved, tiny fragment of lower body, handle

broken off at beginning of neck. Fabric: 2.5YR 5/8, 10YR 5/4, hard fired, well levigated, many small voids, core 10YR around and lower body 2.5YR, small quartz less than 0.5 mm, mica less than 0.1 mm. Gloss: uneven in colour, evenly applied, no glazing on int., slight wear on transition from lower to upper body, 2.5Y 3/1, 5YR 3/4. Row of white drops 7.5 mm large around base of neck, incision, slight groove under ridge at beginning of neck,

Cf. Schäfer 1968, D74, 190 BC; Rotroff 1997a, pl. 71, nos. 1145, 1147, 275 BC; Radt & DeLuca 1999, no. 462, 200 BC.

Fabric group 4

Db-622 89-78, III-2 R 255/83. Pl. 144

Body fr. of guttus with ring handle, flat shoulder, offset ridge at base of neck, mouth, upper part of neck and handle, as well as lower body missing, foot missing. H 6.3; Ø of widest point on body 10.2. Fabric: 5YR 6/6, well levigated, small voids, hard fired, small white particles, perhaps shells less than 1 mm, small mica particles. Gloss: shiny, flaked off, glazing on int. of neck, not glossed int. body. Slightly lustrous, worn on edge between upper and lower body, worn on lower body, 2.5Y 2.5/1. White drops ca. 0.75 cm round end towards ridge, under ridge at base of neck a white stripe on either side of handle, ca. 2.4 cm, beginning at ridge at base of neck ending at beginning of lower body.

Cf. Schäfer 1968, D74, 190 BC; Rotroff 1997a, pl. 71, nos. 1145, 1147, 275 BC.

UNGUENTARIA

There are few unguentaria among the black-glossed pottery, whereas more pieces seem to belong to the greyware group (see Karjaka in this vol. p. 303). The six pieces within the black-glossed pottery cover the chronological span from ca. 300-200 BC. The earlier pieces (**Da-623-Da-625**) are of Attic manufacture, while **Da-626** seems to be from an unidentified production centre. A slightly later piece, the fusiform unguentarium **Da-627**, is of particular interest as it is from the presumed northwestern Black Sea production of Fabric group 7, which also produced the kantharoi **Da-190-Da-193**, the plate with rolled rim **Da-409** and the echinus bowl **Da-537**. The chronologically latest unguentarium comes from the presumed local production of Fabric group 6 and can probably be dated sometime in the second half of the 3rd century BC.

There are numerous parallels in the material from the Olbian necropolis where the unguentarium took the place of the lekythos as the Hellenistic oil container *par excellence*.⁴⁷⁸

325-300 BC

Fabric group 1 / Attic

Da-623 95-626, VI-2 B 410/258. Pl. 145

Fr. of small, short neck. H 2.1; Ø rim 2.8. Traces of secondary burning on one side of rim(?).

Cf. Rotroff 1997a, no. 1164.

⁴⁷⁷ Kozub 1974, 56-58, Parovič-Pešikan 1974, 85-87.

⁴⁷⁸ Parovič-Pešikan 1974, 108-113.

Ca. 300 BC

Fabric group 1 / Attic

Da-624 93-777, III-2 B 389/88. Pl. 145

Fr. of lower body and base. H 3.3; Ø base 3.8. Gloss has flaked off in places.

Closest parallels Rotroff 1997a, nos. 1168-1169.

Da-625 01-482, VI-3 B 641/297

Fr. of spout. H 2.1; Ø rim 2.5. Gloss has flaked off in several places.

Cf. Rotroff 1997a, no. 1168.

Other fabrics

Da-626 96-388, VI-3 R 477/276

Rim fr. H 2.8; Ø rim 2.75. Fabric: 2.5YR 5/6, few very tiny lime particles and few tiny voids. Dark reddish-brown gloss, unevenly applied and fired. Traces of secondary burning.

Close to Rotroff 1997a, no. 1169.

Ca. 300-250 BC

Fabric group 7

Da-627 88-291, III-2 R 164/76. Pl. 145

Almost complete fusiform unguentarium, rim and neck missing. H 10.35; Ø base 2.3.

Ca. 250-200 BC

Fabric group 6

Da-628 93-900, III-3 B 368/106

Lower part of fusiform unguentarium, rim missing. H 8.9; Ø base 2.2. Gloss has flaked off in most places.

Brown-glossed group

Dc-629 86-455. Pl. 145

Body and stem. H 10.7; Ø stem 2; Ø body 5.4. Dense, light clay, a small number of lime inclusions. Brown gloss, hardly any metallic shine. Egg-shaped body, short stem, vertical, without stand.

Thompson 1934, C-76, 225-100 BC.

Dc-630 93-882, III-3 B 368/106. Pl. 145

The base part of body and stem. H 9; Ø foot 2.4. Dense, pink clay, a small number of lime inclusions. Brown gloss with metallic shine. Spindle-shaped body, very long vertical stem. Ext. body and stem are decorated with horizontal convex fluting.

Thompson 1934, D-78, 150-50 BC.

LAGYNOI

West Slope decoration

Fabric group 3

Db-631 94-520, IV-2 B 302/187. Pl. 145

Fr. of lagynos with rotelles at handle, handle, neck and base broken off. H 5.5; Ø widest point on body 19. Fabric: 5YR 6/6, well levigated, hard fired, small voids, small white particles less than 1 mm, very few mica. Gloss: uneven in colour, evenly applied, flaked off in few places, worn on transition from lower to upper body, flaked on int., 2.5YR 6/1, Gley 1 3/5G, int. 5Y 2.5/1. Two incised bands just above the transition from lower to upper body, white paint on the rotelles at the bottom of the handles. Palmettes consisting of seven or eight leaves alternating in white and added clay.

Cf. Behr 1988, no. 108, beginning of 1st century BC. Decoration: palmettes in Pergamon from the beginning of the 2nd century to the beginning of the 1st century BC on kraters (Behr 1988, 155-156). Schäfer 1968, 50, D73, pl. 19, second half of the 3rd century BC. Bozkova 1997, 13, type VIII. From Kabyle: Getov 1991, 175, figs. 56-57. Tomis: Stoian 1961, 235, fig. 1. Olbia: Parovič-Pešikan 1974, 98, fig. 88.4-5.

4. TOILET VESSELS

LEKANIDES

The lekanides constitute a small group of five pieces within the NGS material. They are chronologically early in span, covering the period from ca. 525-425 BC. The three earliest pieces, **Da-632-Da-634**, are dated according to parallels in the Athenian series, but are all from unidentified production centres, thus leaving the Attic comparisons and subsequent date tentative. The same can be said about the piece **Da-636**, which comes from Fabric group 3. Furthermore, a secure identification is problematic due to the fragmentary state of the pieces. Lekanides are also found in the necropolis material from Olbia both in figured and in black-glossed versions.⁴⁷⁹

Ca. 525 BC

Other fabrics

Da-632 90-411, IV-1 B 253/153. Pl. 145

Fr. of short, thickened rim, ribbon handle. H 3.6; Ø rim 16. Fabric: 10YR 6/4, very even in colour, few very tiny golden mica particles, few very tiny lime particles, hard fired. Semi-lustrous, black gloss, metallic, evenly applied, even in colour, flaked off in few places. Two red bands int. just below lip.

Close in shape to Cf. Sparkes & Talcott 1970, no. 1211.

Da-633 93-957, III-3 R 359/121

Fr. of fairly straight, slightly out-turned rim and shallow body. H 4.2; Ø rim 19. Fabric: 10YR 5/4, pink towards edges, many very tiny light-reflecting particles, some voids, hard fired. Lustrous, black gloss, metallic, evenly applied, even in colour, flaked off in few places.

Close to Sparkes & Talcott 1970, no. 1211.

⁴⁷⁹ Kozub 1974, 68.

Da-634 95-283, V Stove 443/236. Pl. 145

Fr. of lekanis lid. H 1.5; Ø 6. Fabric: 7.5YR 6/6, very few light-reflecting particles and some large mica flakes. Black gloss, 10YR 2/1, unevenly applied.

Cf. Sparkes & Talcott 1970, no. 1229, 525-500 BC.

Ca. 425 BC

Fabric group 1 / Attic

Da-635 01-485, VI-3 B 641/297

Two joining frs. of slightly concave foot and lower part of body. Ø base 11.5. Gloss has many cut marks(?) and crazing.

Cf. Sparkes & Talcott 1970, no. 1220.

Fabric group 3

Da-636 94-763, VI-2 R 410/251

Fr. of short, straight rim and shallow body, off set ext., ribbon handle. H 5.7. Gloss varies in colour from ext. black to int. red, 2.5YR 4/6. Rim fragment too small to measure Ø.

Close to Sparkes & Talcott 1970, no. 1220(?).

VARIOUS FEET

Small cups, plates or bowls

Fabric group 1 / Attic

Da-637 91-164, IV-2 B 307/169

Fr. of conical foot and lower body. H 1.8; Ø base 4. From skyphos(?).

Da-638 95-590, VI-2 B 455/257

Fr. of moulded ring foot with flat rest. H 1.4; Ø base 6. Traces of red paint on underside.

Da-639 91-312, IV-2 B 301/174

Fr. of moulded, flattened ring foot, flat rest. H 1.2; Ø base 8.5. Red band in groove between body and foot.

Da-640 96-262, VI-1 B 479/243

Fr. of ring foot. H 1.45; Ø base 6. Gloss has flaked off in several places ext. Reserved band at junction between body and foot, reserved underside with two concentric bands. Reused as tool. Two repair holes.

Da-641 94-514, IV-2 B 302/186

Fr. of false ring foot. H 1; Ø base 4.15. Reused as tool.

Da-642 89-499, III-2 R 255/85

Fr. of ring foot. H 1; Ø base 3.6. Gloss has flaked off in many places. Reused as tool.

Da-643 89-879, IV-1 B 253/146

Fr. of moulded foot. H 0.7; Ø base 3.5. Gloss has flaked off in most places, very worn. Reused as tool.

Da-644 96-203, VI-3 R 459/273

Fr. of foot from open vessel, broad base, flat rest, nipple. H 2.75; Ø base 8.8. Gloss is much worn. Deliberately cut around upper edge, pierced through in centre. Reused as tool.

Da-645 89-814, IV-1 B 257/157

Fr. of foot from unidentified open vessel. H 1.2; Ø base 5. Gloss flaked off in places, very worn. Graffito: **S-100** (4th century BC).

Da-646 95-665, VI-3 B 434/283

Fr. of broad base. H 1.6; Ø base 9.5. Fabric: 5YR 6/6, even in colour, pure, hard fired. Lustrous, black gloss, slightly metallic, evenly applied, even in colour, flaked off in very few places.

Cf. Sparkes & Talcott 1970, no. 415, 525-500 BC.

Fabric group 3

Da-647 90-413, IV-1 B 253/153

Fr. of ring foot. H 2.7; Ø base 5.2. Reserved band of dull red (10R 4/6) on lower part of foot. Possibly from bowl with out-turned rim(?).

Cf. Rotroff 1997a, nos. 933-934(?), 110-100 BC.

Da-648 94-424, VI-2 R 410/247

Fr. of shallow plate, grooved at rim int., bevelled broad ring foot. H 3.1; Ø base 8. Gloss is flaked off in many places, very worn. Traces of secondary burning.

Fabric group 4

Da-649 02-109, VI-3 B 661/303

Fr. of ring foot. H 1.6; Ø base 5.5. Two stamped palmettes.

Da-650 95-577, VI-2 B 410/256

Fr. of torus foot from unidentified vessel. H 1.6.

Fabric group 6

Da-651 92-1030, IV-3 B 343/215

Fr. of foot. H 1.4; Ø base 3.

Other fabrics

Da-652 89-649, IV-1 B 253/144

Fr. of moulded foot. H 1.3. Fabric: 2.5YR 6/8, few tiny voids, hard fired. Lustrous, black gloss, metallic, has flaked off in a few places. Reused as tool.

Da-653 92-377, III-3 R 359/113

Fr. of moulded ring foot, broad groove at junction between lower body and foot. H 1.7; Ø base 6.5. Fabric: 2.5YR 6/8, slightly uneven in colour, slightly sandy, hard fired, compact. Lustrous gloss, varies in colour from 7.5YR 4/6 to 2.5Y 2.5/1, unevenly applied, evenly fired. Reserved groove at junction between body and foot, one broad band and two thin black bands on underside.

Da-654 88-406, II-6 B 186/44

Fr. of broad ring foot, nipple. H 2.6; Ø base 8. Fabric: 2.5YR 6/6 and 5Y 5/1, pure, hard fired. Semi-lustrous, black gloss, slightly metallic, unevenly applied, relatively uneven in colour, flaked off in some places.

Da-655 95-547, II-5 R 451/42

Fr. of simple, broad ring foot with grooved rest. H 2.2; Ø base 8. Fabric: 7.5YR 6/6, very even in colour, some very tiny light-reflecting particles, some small voids, pure, hard fired. Lustrous, black gloss, metallic, very evenly applied, relatively even in colour, well preserved. Three bands of rouletting, reserved band between junction of foot and body ext. Graffito: **S-96** (second half of the 5th century BC).

Da-656 91-163, IV-2 B 307/169

Fr. of small ring foot with a slight moulding. H 3.05; Ø base 4.1. Fabric: 2.5YR 7/6, few tiny lime particles, few very tiny light-reflecting particles, hard fired. Lustrous gloss, metallic, varies in colour from 10YR 2/1 to 5Y 3/1, evenly applied, evenly fired. Crazeing int. Reserved underside.

Large plates or bowls

Fabric group 1 / Attic

Da-657 94-706, VI-2 B 395a/265

Fr. of slightly concave ring foot, flat underside. H 2.1; Ø base 6. Reserved underside with one broad black band. Cut around edges, secondary use(?).

Da-658 93-386, IV-3 R 383/197

Fr. of high, slightly out-turned ring foot. Very badly preserved. H 2.1; Ø base too little preserved to measure. Gloss has flaked off in places. One preserved stamped palmette, very delicate leaves.

Cf. Sparkes & Talcott 1970, nos. 809-814; Morel 1981, no. 2231a 1, late 5th to early 4th century BC.

Da-659 96-263, VI-1 B 479/243

Fr. of shallow body, high, broad ring foot, flat rest. H 4.4; Ø base 14.5. Two fully and two partially preserved stamped palmettes within four bands of rouletting.

4th century BC.

Fabric group 3

Da-660 94-458, VI-2 B 395a/261

Fr. of broad ring foot, pointed at middle, flat rest. H 2.1; Ø base 14. Gloss has flaked off in few places. Central circle, six linked stamped palmettes within two bands of rouletting, reserved rest.

Decoration close to Sparkes & Talcott 1970, no. 659, first half of the 4th century. BC.

Other fabrics

Da-661 91-314, IV-2 B 301/174

Fr. of ring foot with grooved rest. H 2.35; Ø base 10. Fabric: 10YR 5/3, 5YR 5/4 and 7.5YR 4/4, some voids, some tiny lime particles, hard fired. Semi-lustrous gloss, 5Y 3/1, metallic, relatively even in colour, evenly applied, worn on rest.

Ø of foot unknown

Fabric group 1 / Attic

Da-662 96-175, V R 465/229

Fr. of moulded foot. Too battered to measure and draw. Pierced through. Reused as tool.

Fabric group 4

Da-663 92-1032, IV-3 B 343/215

Fr. of foot. H 1.7; too worn to measure Ø.

Other fabrics

Da-664 02-116, VI-3 B 661/303

Base fr. Very worn and very badly preserved. H 0.5; too battered to measure Ø. Fabric: 5YR 7/6, even in colour, pure, hard fired. Lustrous, black gloss, very metallic, unevenly applied, uneven in colour, well preserved. Concentric circles on underside. Central drilled hole. Reused as tool.

Da-665 96-430, VI-3 B 474/289

Base fr. Very worn and very badly preserved. H 0.6; too battered to measure Ø. Fabric: 5YR 7/6, even in colour, pure, hard fired. Lustrous, black gloss, metallic, evenly applied, slightly uneven in colour, well preserved. Concentric circles on underside. Secondary use(?). Graffito: S-1 (first half of the 5th century BC).

VARIOUS BODY FRAGMENTS

Fabric group 1 / Attic

Da-666 87-827, II-1 R 156/7

Fr. from unidentified open vessel. H 3.4; W 2.4. Gloss has flaked off in many places. Reused as tool.

Da-667 97-21, VI-3 B 489/292

Fr. of lower body from unidentified open vessel. H 3.7; W 2.1. Two linked palmettes partially preserved.

Da-668 90-570

Fr. of body from unidentified open vessel. H 4.2; W 2.4. Gloss has some wear. Reused as tool.

Da-669 90-583, IV-2 B 287/171

Fr. of body from unidentified open vessel. H 3.2; W 2.4. Gloss has some crazing. Reused as tool.

Da-670 90-135

Fr. of body from unidentified open vessel. H 2.2; W 1.9. Reused as tool.

Da-671 90-532

Fr. of body from unidentified open vessel. H 2.2; W 1.9. Two red thin red bands. Reused as tool.

Da-672 95-593, VI-2 B 455/257

Fr. of body from unidentified open vessel. H 4.1; W 3.5. Two red thin red bands. Reused as tool.

Da-673 95-571, VI-2 B 410/256

Fr. of body from open unidentified vessel. H 3.5; W 2.6. Two concentric bands and central dot on underside.

Da-674 89-539

Fr. of body from unidentified open vessel. Applied snake on ext. H 4.5; W 6.8. Gloss has flaked off on appliqué.

Da-675 89-591, II-6 B 195/57

Fr. of unidentified open vessel. H 2.25; W 1.2.

Da-676 90-221, IV-2 B 280/160

Fr. of body from unidentified open vessel. H 3.4; W 1.6. Reused as tool.

Da-677 89-601, IV-1 B 253/143

Fr. of lower part of unidentified cup. H 0.9. Two concentric bands on underside. Gloss flaked off in places. Graffito: S-37 (5th century BC).

Da-678 91-8a, IV-2 B 280/165

Fr. of unidentified vessel. H 3.1. Reused as tool.

Da-679 87-721, II-3 B 89/12

Fr. of unidentified open vessel. H 3.3; W 3.15. Reused as tool.

Da-680 89-766, II-2 B 248/8

Fr. of unidentified open vessel. H 1.7; W 1.5. Reused as tool.

Da-681 91-392, IV-2 B 302/181

Fr. of very thick-walled, 1-1.25, unidentified open vessel. H 5.2; W 4.9. Gloss has flaked off in several places.

Da-682 91-9, IV-2 B 280/165

Fr. of unidentified open vessel. H 3.6; W 2.5. Reused as tool.

Da-683 92-960, IV-3 B 343/213

Fr. of a cup(?). H 3.2; W 3.2. Gloss is much worn ext. Reused as tool.

Da-684 92-972, IV-4 B 353/225

Fr. of a cup(?). H 2.5; W 2.2. Gloss is worn int./ext. Reused as tool.

Da-685 92-317, IV-3 B 343/201

Fr. of body. H 0.9. Gloss has flaked off in places.

Da-686 93-549, IV-4 B 351/218

Fr. of body from an unidentified open vessel. Two repair holes with metal clamps preserved.

Da-687 93-704, IV-3 R 383/198

Fr. of body. H 0.7. Two concentric bands, band of circles, two concentric bands, tongue ornament band.

Cf. Sparkes & Talcott 1970, for example, no. 441, late 5th century BC.

Da-688 94-661, IV-2 B 302/190

Fr. of a cup(?) H 3.6; W 3.4. Gloss has flaked off in several places. Reused as tool(?).

Da-689 94-764, VI-2 R 410/251

Base fr. H 0.3. Gloss has flaked off in few places. Stamped rosette within band of stamped palmettes, ext. two concentric bands.

Cf. Sparkes & Talcott 1970, no. 583, ca. 430 BC.

Da-690 95-242, II-5 B 390/34

Fr. of foot, very worn. H 0.9. Stamped palmette. Possibly from bolsal. Early 4th century BC.

Da-691 96-293, VI-3 R 477/287

Fr. of an open unidentified vessel. H 4.3; W 3.6. Very worn int./ext. Reused as tool.

Da-692 02-115, VI-3 B 661/303

Fr. of body from unidentified open vessel. Gloss has flaked off in places, much worn int. Reused as tool.

Fabric group 2

Da-693 96-266, VI-3 B 479/243

Fr. of upper body from cup(?). H 3.4. Dark on upper half ext., stacking mark.

Fabric group 4

Da-694 86-523

Fr. of body from unidentified open vessel. Pierced through. Reused as tool.

Da-695 95-430, VI-3 B 434/283

Fr. of body from unidentified open vessel. H 3.6.

Other fabrics

Da-696 93-239, II-5 B 390/25

Fr. of unidentified open vessel. H 3.1. Fabric: 7.5YR 7/6. Few very tiny light-reflecting particles. Black gloss. Lustrous and slightly metallic.

Da-697 96-295, VI-3 R 477/287

Fr. of handle. H 5.3. Fabric: 7.5YR 5/4, even in colour, pure, hard fired. Lustrous, black gloss, slightly metallic, very evenly applied, very even in colour, flaked off in places.

Da-698 98-386, VI-3 Stove 561/306

Fr. of handle, broken off at both ends. Fabric: 5YR 6/6, very even in colour, some light-reflecting particles, a single large lime particle, hard fired. Lustrous gloss, 5YR 3/1-3/2, very metallic, evenly applied, flaked off in places.

Da-699 94-216, II-5 B 390/29

Fr. of body from unidentified open vessel. Fabric: 5YR 6/6, very even in colour, pure and hard fired. Semi-lustrous, black gloss, slightly metallic, relatively evenly applied, even in colour, flaked off and much worn int. Two repair holes.

VARIOUS UNIDENTIFIED SHAPES

Fabric group 1 / Attic

Da-700 93-820, IV-4 B 397/219

Rim fr. with slightly out-turned, short lip. H 2.9; Ø rim 12. Gloss has a lot of deep crazing.

Da-701 92-966, IV-4 B 353/225

Fr. of out-turned rim from unidentified thin-walled, open vessel. H 1.6; Ø rim 15. Reserved band on lip int.

Da-702 95-282, V Stove 443/236

Fr. of broad moulded ring foot, flat rest. H 1.8; Ø base 10.3. Miltos, reserved rest.

Fabric group 3

Da-703 92-912, III-1 Stove 329/72

Fr. of slightly out-turned rim, groove ext. H 3.8; Ø rim 20. Gloss has flaked off in several places, only partly glossed int.

Fabric group 6**Da-704** 93-816 + 93-819, IV-4 B 397/219

Four frs. of out-turned rim with two grooves ext. H 2.5; Ø rim 25.
Gloss has flaked off in many places and has completely disappeared int.

Other fabrics**Da-705** 91-357, III-3 C 332/130

Fr. of out-turned rim. H 2.9; Ø rim 13. Fabric: 7.5YR 7/6. Gloss: 7.5YR 2.5/2, semi-lustrous and semi-metallic. White horizontal line on rim and shoulder. Gloss has flaked off in some places.

Possibly 2nd century BC.

**NOT SEEN — IDENTIFIED FROM
FIND LIST ILLUSTRATION**

Da-706 87-529, II-3 B 89/10

Body(?) fr. from bowl-kantharos with head of Dionysos(?) in appliqué.
Cf. Rotroff 1997a, no. 135, ca. 275-250 BC.

Da-707 89-712, IV-1 B 257/156

Ribbed kantharos or cup-kantharos, almost complete.
Cf. Rotroff 1997a, no. 74, late first quarter of the 3rd century BC.

Da-708 94-329, IV-2 B 302/182

Echinus bowl.
Cf. Rotroff 1997a, no. 1027(?), early 3rd century BC.

Da-709 94-331, IV-2 B 302/182

Fish-plate, late type.
Cf. Rotroff 1997a, nos. 720, 723, ca. 275-250 BC.

Da-710 95-160, VI-3 B 434/274

Kantharos foot.

Da-711 04-378

Rim from lekaneis. Graffito: **S-111** (4th century BC).
Cf. Rotroff 1997a, nos. 1254-1255(?), ca. 300-250 BC. Possibly also earlier.

Da-712 04-383

Unidentified body fr. Graffito: **S-39**.

Da-713 04-405, II-7 B 20

Unidentified body fr. Reused as tool. Graffito: **S-27**.

Da-714 04-434

Body fr. Graffito: **S-62**.

BLACK-GLOSSED, NOT SEEN

85-198, II-7 B 20/62

86-794, I-3 R 49/4

87-229, not in deposit (**S-35**)87-255, not in deposit (**S-74**)87-301, not in deposit (**S-90**)

87-427, II-3 B 89/11

87-429, II-3 B 89/11

87-433, II-3 B 89/11

87-530, II-3 B 89/10

87-532, II-3 B 89/10 (**S-89**)

87-534, II-3 B 89/10

87-535, II-3 B 89/10 (**S-108**)

87-537, II-3 B 89/10

87-538, II-3 B 89/10 (**S-77**)

87-549, II-3 B 89/10

87-704, II-3 B 89/12

87-705, II-3 B 89/12

87-706, II-3 B 89/12

87-707, II-3 B 89/12

87-708, II-3 B 89/12

87-709, II-3 B 89/12

87-710, II-3 B 89/12

87-711, II-3 B 89/12 (**S-51**)

87-712, II-3 B 89/12

87-713, II-3 B 89/12

87-714, II-3 B 89/12

87-922, II-6 P 127/60 (**S-69**)

89-51, II-6 B 195/55

89-148, II-6 B 186/46

89-205, II-6 B 186/47

89-318, III-2 R 164/81

89-335, III-2 R 164/82

89-423, II-6 B 186/49

89-426, II-6 B 186/49

89-510a, II-6 B 186/49

89-756, II-2 B 248/8

89-877, IV-1 B 253/146

89-986, II-4 B 243/19 (**S-36**)

90-215, IV-2 B 280/160

90-317, II-5 R 294/20

90-412, IV-1 B 253/153

90-442, IV-2 B 280/164

90-501, IV-2 B 287/172 (**S-53**)

90-582, IV-2 B 287/171

91-151, II-5 B 311/23

91-243, IV-2 B 301/175

91-246, IV-2 B 301/175 (**S-18**)

91-409, IV-1 B 315/137

91-411, IV-1 B 315/137

91-539, III-3 R 278/93

91-595, IV-1 B 315/140

91-599, IV-1 B 315/140 (**S-22**)91-640, IV-1 B 315/141 (**S-103**)

91-641, IV-1 B 315/141

91-664, III-1 Stove 329/69

91-707, IV-1 B 315/142

91-708, IV-1 B 315/142

91-709, IV-1 B 315/142

92-388, III-3 R 359/113 (**S-16**)

92-880, IV-3 B 343/210

92-933, IV-4 B 353/226

92-952, IV-3 B 343/213

92-968, IV-4 B 353/225

93-13, III-3 R 278/96

93-128, III-3 B 368/102

93-190, II-5 B 390/26 (**S-101**)

93-340, III-2 B 389/87

93-383, IV-3 R 383/197

93-384, IV-3 R 383/197 (**S-79**)

93-498, III-3 B 368/104

93-499, III-3 B 368/104

93-516, VI-2 B 395/259

93-546, IV-4 B 351/218

93-547, IV-4 B 351/218
 93-770, VI-1 P 384/244
 93-817, IV-4 B 397/219
 93-818, IV-4 B 397/219
 93-819, IV-4 B 397/219
 93-830, IV-4 B 397/219
 93-847, IV-4 B 351/220
 93-895, III-3 B 368/106
 93-905, III-3 B 368/106
 93-1017, III-3 R 359/123
 93-1018, III-3 R 359/123
 93-1019, III-3 R 359/123 (S-68)
 93-1064, VI-2 B 395/260
 93-1066, VI-2 B 395/260 (S-14)
 93-1095, III-3 B 368/107 (S-45)
 93-1096, III-3 B 368/107
 94-38, IV-2-B 302-180
 94-205, II-5 B 390/29 (S-7)
 94-206, II-5 B 390/29
 94-207, II-5 B 390/29
 94-208, II-5 B 390/29
 94-307, VI-2 R 410/246
 94-312, VI-2 R 410/246 (S-19)
 94-330, IV-2 B 302/182
 94-416, VI-2 R 410/247
 94-419, VI-2 R 410/247 (S-57)
 94-420, VI-2 R 410/247 (S-60)
 94-460, VI-2 B 395a/261
 94-461, VI-2 B 395a/261
 94-511, IV-2 B 302/186
 94-589, VI-2 B 395a/261 (S-65)
 95-9, VI-2 B 410/248
 95-19, VI-2 B 410/249
 95-22, VI-2 B 410/249
 95-36, VI-2 B 410/249
 95-107, II-5 B 390/33
 95-117, II-5 B 390/33
 95-119, II-5 B 390/33
 95-167, VI-3 B 434/275
 95-182, V Stove 443/232
 95-197, VI-2 B 410/254
 95-205, VI-3 B 434/281 (S-23)
 95-240, II-5 B 390/34
 95-241, II-5 B 390/34
 95-252, VI-3 B 434/282
 95-284, V Stove 443/236
 95-287, V Stove 443/236
 95-319, V Earth-dwelling 445/238
 95-330, V Earth-dwelling 445/238
 95-321, V Earth-dwelling 445/238
 95-326, V Earth-dwelling 445/238
 95-327, V Earth-dwelling 445/238
 95-329, V Earth-dwelling 445/238

95-371, V Earth-dwelling 445/240
 95-396, II-5 R 451/43
 95-479, VI-2 B 410/258
 95-483, VI-2 B 410/258
 95-506, V Earth-dwelling 445/240 (S-120)
 95-548, II-5 R 451/42 (S-110)
 95-578, VI-2 B 410/256
 95-597, II-5 R 451/41
 95-628, VI-2 B 410/258
 96-71, II-5 B 390/37 (S-20)
 96-79, II-5 B 390/39
 96-283, VI-3 R 477/287
 96-284, VI-3 R 477/287 (S-66)
 96-340, VI-3 B 474/288
 96-341, VI-3 B 474/288
 96-342, VI-3 B 474/288
 96-387, VI-3 R 477/276
 96-465, VI-3 B 474/290
 96-466, VI-3 B 474/290
 96-468, VI-3 B 474/290
 96-471, VI-3 B 474/290
 96-477, VI-3 B 474/290
 96-495, VI-3 R 477/278
 97-20, VI-3 B 489/292
 97-58, VI-3 B 489/293 (S-99)
 97-108, VI-3 B 489/295
 97-116, VI-3 B 489/295
 97-142, VI-3 B 489/295
 98-331, III-2 R 164/82
 99-613, VI R 591/241 (S-128)
 99-728, VI B 591/242
 01-486, VI-3 B 641/297
 02-111, VI-3 B 661/303
 04-362, not in deposit (S-49)

BROWN-GLOSSED, NOT SEEN

90-194, III-3 R 278/89
 90-196, III-3 R 278/89

WEST SLOPE, NOT SEEN

89-512, II-6 B 186/49
 89-513, II-6 B 186/49
 89-514, II-6 B 186/49
 89-514a, II-6 B 186/49
 89-514b, II-6 B 186/49
 01-493, VI-3 B 641/297 (S-11)