

*Material koinai in the West: Achaean colonial pottery production between 8<sup>th</sup> and 6<sup>th</sup> century BC\**

I will briefly summarize part of a wider research conducted on colonial pottery coming from Sybaris, Kroton and *Kaulonía* and dated between the second half of the 8<sup>th</sup> and the end of the 6<sup>th</sup> centuries BC.<sup>1</sup>

In archaeological terms, we know very little about the phases of birth and growth of these three colonial centers, due to the paucity of excavations that have reached the oldest levels or to the lack of published data, while historiographical sources concentrate their attention on the *aitia* and chronologies of foundation and on the wars of the 6<sup>th</sup> century BC. So there is a *vacuum* essentially for the 7<sup>th</sup> century BC, namely a crucial period of development in which the colonies try to reach their complete individual appearance.<sup>2</sup> Archaeological data give more

indications on urban structures during these initial periods. Traces of the archaic city have been found in several areas of Sybaris, but the information that we have about the spatial organization of the settlement are still very lacking.<sup>3</sup> Rescue excavations conducted in Kroton during the last thirty years, especially in the southern part of the modern city, allow us to reconstruct the sketch of a urban plan designed since the end of the 7<sup>th</sup> century BC, as the dislocation of the necropolis that will be maintained during all the life of the city seems to confirm.<sup>4</sup> We know of the existence of walls and roads starting from the second half of the seventh century BC in *Kaulonía*, together with a clear functional definition of the different parts of the city attested by the distribution of houses and sacred spaces.<sup>5</sup> In this situation, pottery studies are one of the principal sources to refer to try to reconstruct the first two centuries of life of first generation Achaean colonies. So the ambitious aim of my research is to help to fill a large gap in the knowledge of the Achaean colonial world in the archaic period.

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\* I want to express my genuine gratitude to the Organizing Committee of the Conference for giving me the possibility to propose my work in this important occasion. Part of my post-doc researches on topics presented in this paper has been conducted during a period of study at the Scuola Archeologica Italiana di Atene, where I could stay thanks to the helpfulness of the Director, Prof. Emanuele Greco, and of all the staff which facilitated my work in every possible way.

<sup>1</sup> The research *La ceramica arcaica delle colonie achee d'Occidente. Importazioni e produzioni coloniali a Sibari, Croton e Caulonia tra la metà dell'VIII e la fine del VII secolo a.C.* was conducted during the XXIV PhD program in 'History and Civilization of the Ancient World' of the University of Florence and will be entirely published within the end of the year in the Tekmeria collection. All the unpublished materials mentioned in this paper will be presented in the final edition of the work.

<sup>2</sup> Literature concerning complex stages of the birth of these colonies, in particular of Sybaris and Kroton, is very rich: among the more general essays see e.g. for Kroton Mele 1983, 9-60 on the archaic period; for

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Sybaris Ampolo 1992; for *Kaulonía*, usually less considered in the amplest debate on the Achaean colonial world, Lombardo 2010, 8-11. For epigraphic and numismatic sources *BTCGI* XVIII, 764-5 (*Sibari*); V, 472-88 (*Croton*); X, 192-4 (*Monasterace Marina*).

<sup>3</sup> For a general view of the researches conducted in Sybaris see *Sibari* I-V, For the archaic phases *Santuari della Magna Grecia*, 232 and Carando 1999. In recent years the Italian Archaeological School at Athens began to investigate the area of Casa Bianca: annual reports of these activities are available on *ASAtene*. Some new very important data on the archaic phase of the city coming from the area of Parco del Cavallo were presented at the Convegno di Studi sulla Magna Grecia di Taranto in the past year (Proceedings forthcoming).

<sup>4</sup> See now *Kroton* 2014, pp.

<sup>5</sup> Luberto 2015, 123-7.

The need to conduct a comparative analysis of the archeological documentation of the three centers is consistent with the current research directions in this field; this was the way D. Mertens investigated on architectural systems, Coldstream on some pottery productions and Croissant on coroplastics, just to name a few examples.<sup>6</sup> This kind of approach is clearly imposed by the very nature of the Achaean colonial phenomenon which on the whole is very uniform in terms of times, places and structuring modalities. As is known, indeed Kroton, Sybaris and *Kaulonia* were founded in rapid chronological sequence and in narrow geographical contiguity by Greek people coming, themselves, from adjacent sites of Eastern Achaea.<sup>7</sup>

Colonial pottery production in these colonies starts together with the beginning of colonization. The first ceramic series that we can recognize is Thapsos style pottery, represented by a large group of cups and by only one fragment of krater (Figg. 1-2).<sup>8</sup> Among cups, the very first document can be dated to the last years of the 8<sup>th</sup> century BC, but the bulk of the group is attested between the beginnings and the first half of the 7<sup>th</sup> century BC (Table 1).<sup>9</sup> The production of 'Protocorinthian/Corinthian type pottery', one of the most conspicuous series among Achaean colonial pottery production

together with the 'East Greek type', begins during the same period.<sup>10</sup>

I cannot of course discuss in detail every group that I mention, so I'll say a very few things about these last two groups and I'll concentrate my attention on the others. First of all, terminology requires some correction: I've chosen the names "Protocorinthian/Corinthian type" and "East Greek type" for these classes with the goal of making clear what is, in my opinion, the general background that inspired these productions in terms of morphologies and decorations, but in this case there are only very few examples that can be realistically considered strict imitations of motherland products, such as is known for Pitecusa and Taranto.<sup>11</sup>

Protocorinthian type pottery starts to be produced during the last decade of the 8<sup>th</sup> century BC and lasts till the end of the first half of the 6<sup>th</sup> century BC (Table 2). The first example is a *kantharos* from Sybaris,<sup>12</sup> while the most popular shapes are, as happens in

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<sup>10</sup> These last two groups are so large that is impossible to quote here all the bibliographical references of the published materials, so I'll talk about just a few examples and I'll refer for morphologies and quantities to the Tables and to the final publication for the all the details.

<sup>11</sup> For a general overview see e.g. Iozzo-Denoyelle 2009, 35, 48-9 (Pitecusa), 67-71 (Taranto) with further bibliographical references; for Pitecusa Mermati 2012.

<sup>12</sup> *Sibari V*, 24, n. 180. Tomay 2002, 335-7, 'seconda variante': *kantharoi* locally produced from the Sibaritide with orange clay and black or brownish-red paint, comparable with *La dea di Sibari* 2, 58-9, 75-7, nn. 36-42 from Francavilla M.ma. *Kantharoi* entirely painted, very similar for technological characteristics to those from Sybaris and the Sibaritide, come from Incoronata: *Incoronata* 1, 51, 57, 82, nn.58 and 74; *I Greci sul Basento* 1986, 171, table 40.1; *Incoronata* 6, 69 and 71, nn. 21-6; Stea 1991, 423-4, note 42. For further information on morphology and on distribution in South Italy see d'Agostino 2002, in particular notes 2-3, 5.

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<sup>6</sup> Mertens 2002, Croissant 2002 and Coldstream 1998.

<sup>7</sup> On the argument see e.g. the opposite views in Mele 2002, 78 on colonies, and Morgan 2002, in particular 100-103, 100 for ample references to previous bibliography; furthermore see 'Introduction' by E. Greco in *Gli Achei*.

<sup>8</sup> Fragment of krater: Luberto 2010a, 284, n. 25, from the excavations conducted in the south quarter, in the area 'Crugliano 1975' (Fig. 1).

<sup>9</sup> See notes 26-7 below.

other colonial centers, cups and *kotylai* with linear decoration (Table 3).<sup>13</sup> Cups were produced since the end of the 8<sup>th</sup> century BC, in parallel with Thapsos type pottery, in five typologies, identified by the parallel examination of the shape of lip and body, and seven - five already attested in Thapsos type pottery plus two new - decorative variants (Table 3a-b; Fig. 3).<sup>14</sup> *Kotylai*, largely attested as cups, are of two types defined on the basis of the rim, with two morphological variants determined by the thickness of the walls and two others based on the form of the feet; decoration, always very poor, is known in two variants, with vertical strokes under the rim and with large painted bands. Figured production is very rare and all concentrated in Sybaris (Table 4).<sup>15</sup>

The largest part of the production of East Greek type pottery is attested during the

<sup>13</sup> There are some other smaller groups of morphologies illustrated on Table 3.

<sup>14</sup> I'll mention below just some significant examples per typology. Type C, DV<sub>2</sub>, end of 8<sup>th</sup>-first half of the 7<sup>th</sup> century BC: *Sibari* V, 232, n. 236 (Fig. 3.1); DV<sub>3</sub>, first quarter of the 7<sup>th</sup> century BC: Luberto 2010b n. 11 (from *Kaulonia*; Fig. 3.2); DV<sub>4</sub>, second quarter of the 7<sup>th</sup> century BC: *Sibari* II, 107, n. 92. Type D, DV 4, end of the 7<sup>th</sup> century BC: Cavazzuti 2001 (2003), 265 n. 59, from *Kaulonia*; DV 3, 7<sup>th</sup> century BC: Gagliardi 2004 (2007), 75 n. 55, from *Kaulonia*; DV 5, second half of the 7<sup>th</sup> century BC: unpublished from Kroton (fig. 3.3). Type E, DV<sub>4+6</sub>, end of 7<sup>th</sup>-beginnings of the 6<sup>th</sup> century BC: Luberto 2010a, 282, note 53, n. 9, from Kroton (Fig. 3.4); DV<sub>3</sub>, 7<sup>th</sup> century BC: unpublished; DV<sub>7</sub>: unpublished. Type F, DV<sub>6</sub>, end of the 7<sup>th</sup>-beginnings of the 6<sup>th</sup> century BC: Luberto 2010a, 282, note 55, n. 10, from Kroton (fig. 3.5); Dv 5, end of 7<sup>th</sup>-beginning of 6<sup>th</sup> century BC: unpublished; DV 7, beginnings of the 6<sup>th</sup> century BC: unpublished. Type G: DV 5 and 7 (Fig. 3.6, from Kroton), unpublished.

<sup>15</sup> *Kotylai*: *Sibari* III, 129, n. 252 and *Sibari* IV, 84, n. 145; lids: *Sibari* V, 225, n. 193; *Sibari* IV, 454, n.1; *pixydes*: *Sibari* III, 131, n. 262; *Sibari* IV, 119, n. 302; *paterna*: *Sibari* III, 90, n. 118; *aryballos*: *Sibari* IV, 143, n. 409; *alabastron*: *Sibari* III, 88, n. 115; *oinochoe*: *Sibari* II, 165, n. 304.

second half of the 7<sup>th</sup> century BC and of course is made up of cups of the well-known 'ionian' types, undoubtedly of local production because we have defective examples in all our colonies (Table 5):<sup>16</sup> four types with nine decorative variants there have been identified on the basis of the same parameters used for cups of protocorinthian-corinthian types just mentioned (Table 6; Fig. 4).<sup>17</sup> A small group of vases from Sybaris and one fragment of a *deinos* that was found in Kroton have figured decoration (Table 7).<sup>18</sup> Noteworthy is the presence among them

<sup>16</sup> Ionian type cups are most represented than any other morphology in Achaean colonial contexts, like in all colonial centers. As it's known, we still don't have the possibility to refer to a classification that embraces all the types of cups produced in the West, so my purpose in the specific case of the three centers analyzed is to define the common elements of their production, which in general is rather different from that of the models evaluated in the other classifications (see for example Van Compernelle 1994, 344-5). For ample bibliographical references on this argument see Tardo 2000, 383-8.

<sup>17</sup> Seven decorative variants as protocorinthian-corinthian type cups (DV 1-7) plus two new (DV 8-9): Type H, MV<sub>1</sub>, DV<sub>3</sub>, second half of the 7<sup>th</sup>-beginnings of the 6<sup>th</sup> century BC: Luberto 2010a, 283 note 74, n. 19 from Kroton (Fig. 4.1); MV<sub>1</sub>, DV<sub>6</sub>, end of the 7<sup>th</sup>-beginnings of the 6<sup>th</sup> century BC: *Sibari* I, 134, n. 176; MV<sub>2</sub>, DV<sub>3</sub>, end of the 7<sup>th</sup>-beginnings of the 6<sup>th</sup> century BC: *Sibari* V, p. 121 n. 170. **Type I**, DV<sub>5</sub>, end of the 7<sup>th</sup>-beginnings of the 6<sup>th</sup> century BC: Luberto 2010a, 283, note 79, n. 22 from Kroton (Fig. 4.2); DV<sub>7</sub>, end of the 7<sup>th</sup>-beginnings of the 6<sup>th</sup> century BC: unpublished. **Type L**, DV<sub>6</sub>, first half of the 6<sup>th</sup> century BC: *Sibari* III, 121, n. 223 (Fig. 4.3); DV<sub>5</sub>, first half of the 6<sup>th</sup> century BC: *Sibari* II, 262, n. 157; DV<sub>8</sub>, second half of the 6<sup>th</sup> century BC: *Sibari* III, 58, n. 16. Type M, DV<sub>8</sub>, first half-end of the 6<sup>th</sup> century BC: Luberto 2010a, 283 n. 24, note 82 (Fig. 4.4); DV 5, second half-end of the 6<sup>th</sup> century BC: unpublished; DV 9, second half-end of the 6<sup>th</sup> century BC: unpublished.

<sup>18</sup> Open vases: *Sibari* IV, 57, n. 45; Tomay 2005, 208, n. 10. Supports: *Sibari* III, 119, nn. 218-9; Tomay 2005, 212, note 45; *Sibari* III, 101, n. 161 and 133, n. 266; *Sibari* III, 81, n. 89; Guzzo 1978, 113, note 100. Kraters: *Sibari*

of one fragment of *oinochoe* that Luigina Tomay considers of local production (Fig. 5):<sup>19</sup> this is one of the few proposed cases of literal imitation that we can find in the Achaean colonial area. This fragment can be compared also to several imported *oinochoai* of the same type coming from Parco del Cavallo in Sybaris, but above all largely attested in Francavilla Marittima.<sup>20</sup>

From the very first decades of life of Sybaris, Kroton and *Kaulonia* is attested a particular group of vases which I have called “Achaean Colonial pottery with geometric and linear decoration”, that is just a temporary denomination, not exact, nor entirely pertinent. But my purpose in this particular case is to isolate under this temporary and open definition all the artifacts that in shape and decoration are clearly not inspired or derived from just one area or from one specific production of motherland, like previous groups; all the examples collected here show indeed elements pertaining to more than one artisan current, but totally re-elaborated in order to create an original product. So this is, in my opinion, one of the most genuine and important nuclei of Achaean colonial pottery production of the

archaic period, that remains fashionable till the first half of the 6<sup>th</sup> century BC.<sup>21</sup>

Finally there are five fragments, four of which come from Sybaris and only one from Kroton, that belong to the group of “black and white pottery”, named on the basis of the decoration which is black on white on *oinochoai* and *stamnoi* and white on black on plates.<sup>22</sup> They recall both Corinthian and Euboean productions, but better comparisons can be found in the local colonial productions of Pithecusa and Incoronata for the first group and in Etruscan archaeological materials from Tarquinia, Cerveteri and Pontecagnano for the second.<sup>23</sup>

After this very short presentation of the local Achaean pottery groups, now some general remarks on characteristics and specific distribution of some of them.

Thapsos style pottery has received in recent times renewed attention thanks to the work of Anastasia Gadolou who has reconsidered all the examples coming from old and new excavations conducted in Achaea. Her observations about the possibility that there was more than one center of production of this type of pottery, besides Corinth, seem to

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III, 105, n. 179; Tomay 2005, 213, n. 51; *Sibari* III, 105, n. 178; Tomay 2005, 213, n. 51; *Sibari* III, 105, n. 180. Rosette cups: *Sibari* III, 100, n. 157; Guzzo 1978, 112, note 81. Plates: *Sibari* III, 136, n. 280; Tomay 2005, 212, note 44; Guzzo 1978, 113, note 98. *Lekanai*: *Sibari* III, 105, n. 181. *Deinoi*: *Sibari* I, 79, n. 136; Tomay 2005, 211; Guzzo 1978, 113, note 91; from Kroton: Guzzo-Iaculli 1977, 36, fig. 8.

<sup>19</sup> *Sibari* V, 122, n. 173; Tomay 2005, 208, note 8. Another imitation from Francavilla M.ma is recorded in Tomay 2005, 208, note 11 (*contra* Martelli 2012, 20, note 8).

<sup>20</sup> *Sibari* II, 179, n. 388; Guzzo 1978, 107, note 1. For a general view of all the related imports in Francavilla see Jacobsen-Handberg 2010, 307-8 and Martelli 2012, 19-21 with ample bibliographical references.

<sup>21</sup> See below 5-7 and note 28-44.

<sup>22</sup> ‘White on black’, *oinochoai*: *Sibari* II, 192 n. 414 and III, 105 n. 184; *stamnos*: *Sibari* IV, 125, n. 239. ‘Black on white’, plates: *Sibari* IV, 137, n. 376; Luberto 2010a, 284, n. 31, note 97 from Kroton.

<sup>23</sup> *Lefkandi* I, 65 sgg. for Euboea; Coldstream 1968, 256-7 for geometric Corinthian production. For the first group see in general: *Cuma* 2006, 21-2; *Pithekoussai* I, to. 436.1 e to. 654.1, local production; *Pithekoussai* I, to. 220.1 and 515.1, euboean and corinthian imports. For the *stamnos* from Sybaris, above: *Incoronata* 3, 59 and 63, n. 6. For the plates of the second group: Tanci - Tortoioli 2002, 161-2, fig. 152, n. 288 for morphology; Buranelli 2003, 43-44; d’Agostino 1968, 89, 105-8, fig. 10, n. 35 (XXVIII.6) from Pontecagnano; *Pithekoussai* I, to. 137.18-25 and to 151.3; Brock 1957, 62, n. 644 from Fortetsa.

me particularly convincing in the light of my discussion on Achaean colonial pottery.<sup>24</sup> As I said before, this is the very first pottery series to be produced soon after the foundation of the colonies and, as Claudio Sabbione has asserted in 1982, it's a clear proof of the knowledge that Greek colonists brought with them from their motherland, as in turn Gadolou's researches have shown.<sup>25</sup> Thapsos cups of Achaean colonial production have been divided in two types on the basis of morphology and in five decorative variants; the oldest fragment known comes from Kroton, while the rest of the group is homogeneously distributed in all the three colonies with a numeric preeminence of the later versions, the Sub-Thapsos types (Table 1; Fig. 2).<sup>26</sup> Plus, the only fragment of krater from Kroton finds a meaningful comparison with the well-known krater with sphinxes from Aegion (Fig. 1).<sup>27</sup> It seems therefore clear that, when Achaean potters, in the first phase of their work, felt the need to switch from ordinary mass production - that of the Thapsos plain type

cups, in this case - to a more elaborate composition, they drew from the mature knowledge that they had brought with them from the homeland.

Very different is the case of the so-called "Achaean colonial pottery with geometric and linear decoration" that testifies on the other hand the need for something different and more suited to the new situation that the colonists were experiencing. Most shapes of this group are large containers used for the consumption of wine like kraters, *deinoi* and *stamnoi* (Table 8).<sup>28</sup> Kraters, attested in two typologies, show a range of very articulate morphologies and have close similarities to the production of the areas of Euboea, Samos, Chios, Corinth and Argos and to colonial artifacts from the area of the Ionic Gulf, especially with examples coming from Inoronata, Siris, Taranto and also from the Fusco necropolis in Syracuse. Type B has four morphological variants: the first two, respectively of the first and second half of the 7<sup>th</sup> century BC, remind examples from Samos and Lefkandi and are attested elsewhere in South Italy and Sicily,<sup>29</sup> like

<sup>24</sup> Gadolou 2010 and 2011.

<sup>25</sup> Sabbione 1983, 249 and Gadolou 2010, 22-3.

<sup>26</sup> Type A-Thapsos type, DV 1: Sabbione 1982, 267, note 38, n. 26; DV2, end of the 8<sup>th</sup>-beginnings of the 7<sup>th</sup> century BCE and DV3, beginnings of the 7<sup>th</sup> century BC: *Sibari* I, 90, n. 182 and 134, n. 175; Sabbione 1982, 267, note 38, n. 29 and Luberto 2010a, 281, n. 5 from Kroton; Minniti 2004 (2007), 442, n. 5 (DV3) from *Kaulonia*. Type B-sub-Thapsos types, first half of the 7<sup>th</sup> century BC, DV2: *Sibari* III, 426, n. 425 and V, 37, n. 31; one unpublished from Kroton; Cavazzuti 2001 (2003), 258, n. 15 and 264, n. 57, Gagliardi 2004 (2007), 73, n. 56 from *Kaulonia*. DV3: Sabbione 1982, 267, note 38, n. 28 and one unpublished from Kroton. DV4: *Sibari* I, 134, n. 173; Luberto 2010a, 282, note 41, n. 6 plus one unpublished from Kroton; Cavazzuti 2001 (2003), 272, n. 108 and 269, n. 88 from *Kaulonia*. DV5: one unpublished from Kroton.

<sup>27</sup> Kourou 1994, pp. 40-1, fig. 4 and Gadolou 2011, pp. 81-2, n. 113.

<sup>28</sup> For these three specific morphologies see below. Furthermore the series include plates (*Sibari* IV, 140, n. 392; Luberto 2010a, 282, n. 12, note 62 from Kroton), *pixydes* (*Sibari* IV, 57, n. 43; Tomay 2005, 217, tav. CII; *Sibari* IV, 140, n. 391; *Sibari* II, 100, n. 77; *Sibari* II, 53, n. 28; from Kroton: Luberto 2010a, 284, n. 32 and one unpublished; from *Kaulonia*: Gagliardi 2004 (2007), 62, n. 24 and one unpublished), *oinochoai* (*Sibari* V, 127 n. 197; Tomay 2005, 209, note 21; *Sibari* V, 123, n. 177) and *skyphoi* (*Sibari* V, 110, n. 106).

<sup>29</sup> MV1: *Sibari* V, 232, n. 237; *Sibari* IV, 110, n. 271; *Sibari* V, 62, n. 168 plus two fragments unpublished; from Kroton Luberto 2010a, 282, n. 26 (Fig. 5.1) and Sabbione 1982, 271, note 43, n. 64 plus one more fragment unpublished. MV 2: Luberto 2010a, 282, n. 27 (Fig. 5.2); Sabbione 1982, 271, note 43, n. 60. These variants recall examples from Samos (Isler 1978, 156-157, nn. 577-8, 580-1; Walter 1968, 33, fig. 17) and Lefkandi (*Lefkandi* II, 26-7, 'amphoroid craters') and

variants third<sup>30</sup> and fourth<sup>31</sup>, both of the first half of the 7<sup>th</sup> century BC (Fig. 5). The latter actually requires some additional remarks because it's clearly linked to the local production of the Ionian islands and to the famous Fusco kraters from Syracuse, as B. d'Agostino underlined some years ago: in his opinion this particular variant was created for the first time in Cephalonia and then distributed, by means of Corinth, along western Mediterranean, as Syracuse findings testify.<sup>32</sup> The Achaean colonial examples collected here, well documented both in Sybaris than in Kroton, prove that the distribution routes of this vases have reached also the Ionian Calabrian coast, before or after touching Syracuse. The use of the same decorative systems - vertical strokes, series of Z or S, succession of plane and striped panels - for the neck and/or for shoulders in all the identified morphological variants implies, in my opinion, their homogeneous elaboration starting from a unitary basic

idea.<sup>33</sup> The last version documented is type C, a kind of simple cup-krater with, obviously, the same spectrum of comparisons of the previous ones.<sup>34</sup> In a cultural perspective this doesn't seem a fortuitous choice: the Achaean craftsmen may have intentionally preferred consolidated colonial traditions, inspired by models of the motherland but not literally imitative, for the elaboration of a pottery shape with a strong symbolic value, which had a central role in the political and social life of the polis.

For the *deinoi* we have to look to the same range of comparisons of the kraters;<sup>35</sup> the conspicuous presence of the *deinoi* in *Kaulonía*, compared to the data of Sybaris and Kroton, could be explained on the basis of the complementary function of the two morphologies. The *stamnoi* on the whole recall in a very narrow way the production of *Incoronata*: according to L. Tomay's

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are attested elsewhere in South Italy and Sicily (from Taranto: Cinquantaquattro 2010, 497-8, figg. 10, nn. 2-3; from Policoro: Giardino 1998, 110, figg. 7-8; Pitecusa: Coldstream 1995, 252, fig. 1, table 27, n. 4; Naxos: Lentini 1998, 382, fig. 21; Syracuse and Naxos: Pelagatti 1978, table i, fig. 3, n. 1; Pelagatti 1982, 153, fig. 15c; Arias 1936, 146, n. 7, table XIII, n. 2).

<sup>30</sup> MV 3: *Sibari* V, 34, n. 19 plus one fragment unpublished; from Kroton Sabbione 1982, 271, note 43, nn. 57-9 and Luberto 2010a, 282, n. 28 (Fig. 5.3) plus one fragment unpublished. For this variant see Giardino 1998, 110, figg. 7-8 from Policoro and *Archeologia dei Messapi*, 56, n. 32 from Vaste.

<sup>31</sup> MV 4: *Sibari* IV, 148, n. 418; *Sibari* III, 426, n. 427; *Sibari* V, 63, n. 210 plus one fragment unpublished; Luberto 2010a, 282, n. 29 from Kroton (Fig. 5.4), plus three fragments unpublished; from *Kaulonía* Minniti 2004, 451, n. 12.

<sup>32</sup> See d'Agostino-Soteriou 1998, pp. 357-8 e 362 and d'Agostino 2002, 359; Arias 1936, tav. XI.A for Syracusan examples; another interesting evidence from Itaca in Benton 1953, 281, fig. 42.666.

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<sup>33</sup> In addition to previous references, for the decoration of all the types see for example *Incoronata* 2, 74-5, n. 19, note 51 and *Incoronata* 3, 66, n. 36 and 69 with further bibliographical references; Isler 1978, 157, nn. 577-580; Walter 1968, 99 and 106, nn. 145 and 263; d'Agostino 2002, 359, fig. 3.

<sup>34</sup> *Sibari* IV, 131, n. 342; *Sibari* IV, 115, n. 288; *Sibari* II, 291, n. 286; *Sibari* IV, 143, n. 405; from Kroton Sabbione 1982, 271, note 43, nn. 56 and 67; from Caulonia Minniti 2004 (2007), 454, n. 29 plus one more fragment unpublished. For similar morphologies see *La dea di Sibari*, 2, 87-9, nn. A1, A7-9 from Francavilla Marittima; *I Greci sul Basento* 1986, 151-3 and *Incoronata* 1, 82, n. 52 from *Incoronata*; Cinquantaquattro 2010, 497-8, fig. 10, n.1.

<sup>35</sup> *Sibari* II, 313, n. 410; *Sibari* IV, 292, n. 347; *Sibari* V, 124, n. 183; from Kroton: Luberto 2010a, 291, note 97, n. 30; from *Kaulonía*: Minniti 2004 (2007), 445, n. 22, 438-9, nn. 25-6, 482, nn. 54-5 and Cannata 2004 (2007), n. 9. For parallels see Tomay 2005, table XCIII, fig. 3.1 (*stamnos*) and table XCIV, fig. 4.1 (*deinos*) from Francavilla Marittima; *Incoronata*, 3, 58, n. 3 (krater); *Lefkandi* I, table 54, n. 258; Boardman 1952, 6-7, nn. 7-8.

classification, they can be divided in two typologies, the first one of which seems to have been very popular in the Achaean colonies (Fig. 6).<sup>36</sup> Among them, one shows a decoration with curvilinear motifs and a central inverted **palmetta** of East Greek origin (Fig. 6.1), comparable to that on a cup-krater from Incoronata and to another on a *hydria* from Siris.<sup>37</sup> A *stamnos* of the second typology shows as sole decoration a crescent with thin extremities, a peculiar pattern of Argive origin once more attested on similar vases from Incoronata (Fig. 6.2): the Sybarite example significantly retains just this main characterizing motif of the more complex original decoration.<sup>38</sup> On the basis of these

<sup>36</sup>Type A: *Sibari V*, 128-9, nn. 200 (Fig. 6.1), 203 and one fragment unpublished from Kroton. Type B: *Sibari V*, 60, n. 158 (Fig. 6.2) and *Sibari II*, 313, n. 409; one fragment unpublished from Kroton; Luberto 2013, 75, n. 9 from *Kaulonia*. For typologies see Tomay 2005, 210, notes 24-5 which in turn refers to previous studies on Incoronata's artifacts published in Cialfoni 1985.

<sup>37</sup>*Sibari V*, 128, n. 200. For East Greek examples see Isler 1978, table XLII, figg. 53-4; Calvet-Yon 1978, table XXIII, fig. 5. For Incoronata Adamesteanu 1978, 314, table CXLIII.8; for Siris Adamesteanu, Dilthey 1978, 520, fig. 7 where the motif recurs also on a fragment of cup (*ibidem*, fig. 7). A more elaborate version of the same patterns appears on a *stamnos*, equally belonging to type A, again from Siris (Adamesteanu, Dilthey 1978, 519, fig. 8). For the setting out of the decoration see e.g. a fragment of one of the famous *deinoi* from Incoronata decorated with two horses and a central palmetta: Panzeri 1980, 337 and tables 65-7.

<sup>38</sup>*Sibari V*, 60, n. 158. This typology and its decoration is very popular in the artisanal production of Incoronata: *I Greci sul Basento* 1986, 148-50, nn. 82-4, notably n. 82 for crescents with thin extremities. In all these latter examples the decorative motifs are more complex and arranged in a peculiar, quite different manner in comparison to the one from Sybaris, which appears to be a simplified version of the previous ones with the crescent as main decoration located near the handles.

peculiar motifs the manufactures from Incoronata have been connected to the same tradition from which the kraters from the Fusco necropolis in Syracuse have originated.<sup>39</sup> the Achaean colonial *stamnoi* – and certainly, as we have seen, also the Achaean colonial kraters – clearly belongs to the same material *koine*.

Figured production, although testified by a small number of very badly preserved finds, shows strong marks of originality and again compels us to look to Incoronata (Table 8).<sup>40</sup> The lyre motif on a fragment of a krater from Kroton, for example, can be compared for subject, setting and position of the decoration with two *stamnoi* among those just mentioned and the parallel is also valid for the secondary decoration with vertical elements in elongated panels (Fig. 7; same system, different individual decorative patterns on these two vases).<sup>41</sup> Noteworthy is the fact that the decoration on the lip of this fragment and on another one, again from Kroton, with scale meander and interposed crosses finds once again meaningful parallels with a fragment of mug from Incoronata decorated with lozenges and interposed crosses.<sup>42</sup> One fragment from Kroton with a depiction of a *deinos* on a tripod, traditionally connected by scholars with the iconography of the coins of the city, that is to say with topics of urban political propaganda which link Kroton to the Delphic oracle, can be compared also with

<sup>39</sup> *Incoronata* 3, 70, with further bibliographical references.

<sup>40</sup>Kraters: Sabbione 1982, 271, note 43, n. 61-63, 65; *kantharoi*: Gagliardi 2004 (2007), 56-57, n. 2.

<sup>41</sup>Sabbione 1982, 271, note 43, n. 61 comparable to Orlandini 1991, 2-4, table 1 and fig. 4 and *Incoronata* 2, 71, n. 1.

<sup>42</sup>Sabbione 1982, 271, note 43, n. 65 (krater from Kroton); *I Greci sul Basento* 1986, 161, n. 111 (mug from Incoronata).

the same main motif that appears on the *deinoi* with horses still from Siris and Incoronata (Fig. 7).<sup>43</sup>

Concerning Achaean colonial *kantharoi* with linear decoration on the lip - a shape that has been considered purely "Achaean", enough to be the only one that deserves an ethnic connotation in its definition - their distribution in the urban contexts of Sybaris, Kroton and *Kaulonía* is very limited (Table 7). These data strongly stand opposite to those coming from Francavilla Marittima and from other sites:<sup>44</sup> in this respect, I think that the large presence of this shape in some specific sites has nothing to do with ethnicity, as after all colonial centers show very well, and maybe could be better explained by the ritual use of this vase in a sacred context.<sup>45</sup>

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<sup>43</sup> Sabbione 1982, 271 note 43, n. 62. For krotoniate coins with tripods see Perri 2010, 299, note 1. For the *deinoi* from Incoronata see Orlandini 1991, 4-7, table II, fig. 11. Depiction of the handles of the *deinos* on this fragment is identical to the accessory patterns of the krater from Kroton with lyra pattern previously mentioned: they both recalls in a very narrow way the drawings of the handles of the *deinoi* from Incoronata just mentioned and strongly testify the persistence of stylistic links between all these areas in Archaic period.

<sup>44</sup> Tomay 2005, 331-2, 349 has correctly enucleated the risk in this case of associating shapes with 'ethnicity'. In Papadopoulos 2001, 383-407 a different point of view about the question.

<sup>45</sup> For the distribution of the shape in South Italy and in Sicily see in particular Tomay 2005, 339-47. The catalogue produced by Papadopoulos 2001, pp. 411-32 is substantially different: note that most pieces from Sybaris listed on p. 412 are just hypothetically considered *kantharoi* by the Author, as they were originally published as cups (and for me they are: see on this once again Tomay 2005, 350). Furthermore, the quantities of these vases reported in Papadopoulos 2001, 412-4 from Francavilla M.ma, 416-20 from Incoronata and 423-4 from Siris are significantly and definitively in contrast with those from Achaean colonies equally listed there (Kroton

Of course there are many questions and problems that it's impossible to consider here, but I hope that this short presentation could be useful to demonstrate an important concept. Referring to the dossier that I've proposed, it is possible to assert that there is a meaningful recurrence of the same typologies and of their morphological and decorative variants in Sybaris, Kroton and *Kaulonía* for almost every example that I have considered. This fact usefully testifies that there has been a unitary development of an artisanal-artistic trend in all these Greek centers, confirmed by the persistence of the same decorative motifs and iconographical schemas that actually recur in a very homogeneous way from the Ionian coast of South Italy till the Eastern coast of Sicily. This formal similarity can be considered as a sort of result of a common starting training which soon acquires original accents on the basis of the specific characters of the single contexts, as testified by the different solutions adopted in each single production for the composition of the various decorative elements.

In light of these observations, it seems reasonable to think about Achaean colonial pottery production on the whole, in its meanings and in its functions, as a form of a possible material *koine* that has involved the Achaean colonies just as a part of the vast region that goes from Taranto to Syracuse. Something that therefore has nothing to do with ethnicity, Achaean ethnicity in this specific case, but which finds its correct explanation in the particular structure of the entire colonial world of South Italy and Sicily, characterized by the complex series of relationships and mechanisms determined by the foundation

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and *Kaulonía* 415-6, Metaponto 416, Poseidonia 420) and in this paper (Tab. 8).

of a large number of colonies in a small geographic space, moreover previously not uninhabited. The material culture of Achaean Western colonies in my opinion has to be appropriately connected to this rich kind of background.

Abbreviations used here and in the text:

SYB: Sybaris; KR: Kroton; KL: Kaulonia

MV: morphological variants; DV: decorative variants

Numbers in brackets refer to quantities of unpublished fragments

		SYB	KR	KL
Type A (Thapsos type)				
	DV 1 (panel type)		1	
	DV 2 (fillets on lip and shoulder)	2	2	
	DV 3 (fillets just on lip)			1
<b>Partial amount</b>		<b>2</b>	<b>3</b>	<b>1</b>
Type B (sub-Thapsos type)				
	DV 2 (fillets on lip and shoulder)	2	1	3
	DV 3 (fillets just on lip)		2	
	DV 4 (fillets on lip, panel on shoulder)	1	2	2
	DV 5 (glazed lip, reserved shoulder)		1	
<b>Partial amount</b>		<b>3</b>	<b>6</b>	<b>5</b>
<b>Total amount</b>		<b>5</b>	<b>9</b>	<b>6</b>

Table 1. Thapsos type cups.

		SYB	KR	KL
<i>Itaca t. kantharoi</i>		1		
Protocorinthian type cups		12	7 (+14)	20
Corinthian type cups		3	11	19
Pyxides				
	Type A (globular)	3	9	1
	Type B (cylindrical)	3		
<i>Kalathoi</i>				3
<i>Kotylai</i>		10	29	31
Plates		1		
<i>Phialai</i>				
<i>Oinochoai</i>		3	4	
<i>Lekythoi</i>		2		1
<i>Aryballoi</i>				1
<i>Exaleiptra</i>		5		
<i>Phormiskoi</i>		1		
<b>Total amount</b>		<b>44</b>	<b>60 (+14)</b>	<b>76</b>

Table 2. Protocorinthian-Corinthian type pottery with geometric and linear decoration

<b>Protocorinthian type cups</b>	SYB	KR	KL
<b>Type C (high lip, scarcely distinct from bowl which is shallow with marked shoulder)</b>			
DV 2 (fillets on lip and shoulder)	1		1
DV 4 (fillets on lip, panel on shoulder)	8	4	6
DV 3 (fillets on lip, glazed bowl)	3		2
<b>Partial amount</b>	<b>12</b>	<b>4</b>	<b>9</b>
<b>Type D (shallow flaring lip, shallow bowl)</b>			
DV 4 (fillets on lip, panel on shoulder)		2	8
DV 3 (fillets on lip, glazed bowl)			2
DV 5 (glazed lip, reserved shoulder)		1	1
<b>Partial amount</b>		<b>3</b>	<b>11</b>
<b>Total amount</b>	<b>12</b>	<b>7</b>	<b>20</b>

<b>Corinthian type cups</b>	SYB	KR	KL
<b>Type E (lip-bowl with continuous concave/convex profile; heart-shaped bowl)</b>			
DV 4+6 (fillets on lip, reserved shoulder with/without panel decoration)	1	3	4
DV 3 (fillets on lip, glazed bowl)		1	
DV 7 (reserved lip, glazed shoulder)			3
<b>Partial amount</b>	<b>1</b>	<b>4</b>	<b>7</b>
<b>Type F (shallow flaring lip, shallow bowl with marked shoulder)</b>			
DV 6 (fillets on lip, reserved shoulder without panel decoration)	2	2	
DV 5 (glazed lip, reserved shoulder)		2	1
DV 7 (reserved lip, glazed shoulder)		2	4
<b>Partial amount</b>	<b>2</b>	<b>6</b>	<b>5</b>
<b>Type G (very flaring lip, lip/shallow bowl with continuous profile)</b>			
DV 5 (glazed lip, reserved shoulder)			6
DV7 (reserved lip, glazed shoulder)		1	1
<b>Partial amount</b>		<b>1</b>	<b>7</b>
<b>Total amount</b>	<b>3</b>	<b>11</b>	<b>19</b>

Tabb. 3a-b. Protocorinthian-Corinthian type cups

	SYB	KR	KL
<i>Kotylai</i>	2		
Lids	2		
<i>Pyxides</i>	2		
<i>Paterae</i>	1		
<i>Aryballoi</i>	1		
<i>Alabastra</i>	1		
<i>Oinochoai</i>	1		

Table 4 . Protocorinthian-Corinthian type pottery with figured decoration.

				SYB	KR	KL
Cups				97	20	37
Lip <i>kotylai</i>				7	1	1
Bowls						
	Type A (rounded rim)					
			DV <sub>1</sub> (Linear decoration)	11		7
			DV <sub>2</sub> (Entirely glazed)	3		
	Type B (squared rim)		DV <sub>1</sub> (Linear decoration)	1		4
<i>Lekanai</i>						
	Type A (hemispherical bowl)			5	6	7
	Type B (articulated bowl: "vasca carenata")			4		9
	Type C (hemispherical bowl with grooved lip)			5		1
				14	6	17
<i>Stamnoi</i>	Type A (vertical rim; horizontal handles)			15		3
Plates				1		2
Chian chalices				2		
<i>Hydriai</i>						
	Type A (developed rim)					
		MV <sub>1</sub> (round cross-section)		2		6
		MV <sub>2</sub> (triangular cross-section)				4
	Type B (outstretched lip)					
		MV <sub>1</sub> (round-crossed section)		8		5
		MV <sub>2</sub> (triangular cross-section)				3
		MV <sub>3</sub> (squared cross-section)		6		1
Jugs and bottles				1		4

Varia						
	<i>Lydia</i>			2		
	Lids			1		
<b>Total amount</b>				<b>164</b>	<b>25</b>	<b>93</b>

Table 5. East Greek type pottery.

		SYB	KR	KL
Type H (high straight lip, concave or convex profile; disc foot)				
MV 1 (deep bowl)				
	DV 3 (fillets on lip; glazed bowl)	18	4	2
	DV 6 (fillets on lip; reserved shoulder)	15	1	1
MV 2 (shallow bowl)				
	DV 3 (fillets on lip; glazed bowl)	8	2 (+1)	1
<b>Partial amount</b>		<b>41</b>	<b>7(8)</b>	<b>4</b>
Type I (separate flaring lip; shallow bowl; shallow ring foot)				
	DV 5 (glazed lip; reserved shoulder)	6	2	10
	DV 7 (reserved lip; glazed shoulder)		3	
<b>Partial amount</b>		<b>6</b>	<b>5</b>	<b>10</b>
Type L (plastic or narrowing lip-bowl junction; flaring cone foot)				
	DV 6 (fillets on lip; reserved shoulder)	9	1	
	DV 5 (glazed lip; reserved shoulder)	1		6
	DV 8 (fillet on rim, fillet or band on shoulder)	9		7
<b>Partial amount</b>		<b>19</b>	<b>1</b>	<b>13</b>
Type M (separate flaring lip, thin walls, deep bowl, flaring cone foot)				
	DV 8 (fillet on rim, fillet or band on shoulder)	31	3	7
	DV 5 (glazed lip, reserved shoulder)		1	3
	DV 9 (entirely covered with red paint)		2	
<b>Partial amount</b>		<b>31</b>	<b>6</b>	<b>10</b>
<b>Total amount</b>		<b>97</b>	<b>19(20)</b>	<b>37</b>

Table 6. East Greek type cups.

	SYB	KR	KL
<i>Oinochoai</i>	1		
Open vase (wall)	1		
Supports	3		
Chalyx kraters	3		
<i>Deinoi</i>	1	1	
Rosette cups	1		

Plates	1		
<i>Lekanai</i>	1		
<b>Total amount</b>	<b>12</b>	<b>1</b>	

Table 7. East Greek type pottery with figured decoration.

			SYB	KR	KL
Kraters					
	Type B with separate neck				
		MV 1 straight neck	3 (+2)	2 (+1)	
		MV 2 curved neck		2	
		MV 3 narrowing junction between neck and shoulder	1 (+1)	4 (+1)	
		MV 4 plastic junction between neck and shoulder	3 (+1)	1 (+3)	1
	Type C Cup kraters		4	2	1 (+2)
	Feet fragments			1	1
<b>Partial amount</b>			<b>11 (+4)</b>	<b>12 (+5)</b>	<b>3 (+2)</b>
<i>Stamnoi</i>					
		Type A Vertical rim, horizontally set up handles	2	(1)	
		Type B Flat lip, vertical handles ('Incoronata type')	2 (+1)		1
<b>Partial amount</b>			<b>4 (+1)</b>	<b>1</b>	<b>1</b>
<i>Deinoi</i>			3	1 (+2)	6
<i>Kantharoi</i>			4	1 (+1)	4 (+1)
Plates			1	1 (+1)	
<i>Pyxides</i>		Type C Stamnos type	5	1 (+1)	1 (+1)
<i>Oinochoai</i>			2		
<i>Skyphoi</i>			1		
<b>Total amount</b>			<b>31(+5)</b>	<b>16(+11)</b>	<b>15(+4)</b>

Table 8. Achaean colonial type pottery with geometric and linear decoration.

		SYB	KR	KL
				14

Kraters Type B with separate neck				
	Lips and walls		3	
	Walls		1	
<i>Kantharoi</i>				1
<b>Total amount</b>			<b>4</b>	<b>1</b>

Table 9. Achaean colonial type pottery with figured decoration

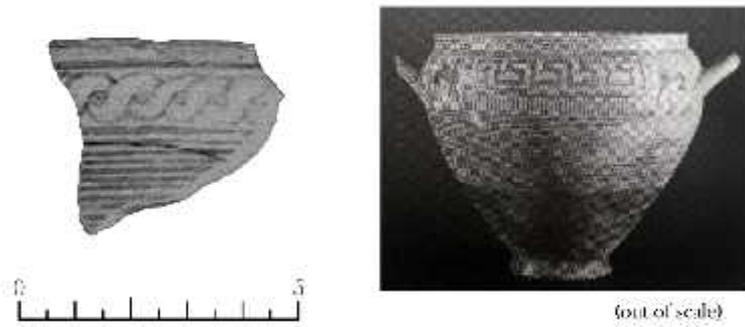


Fig. 1. On the left, fragment of krater form Kroton (photo by L. Renda); on the right, Thapsos krater with sphinxes from Aegion (Gadolou 2011).

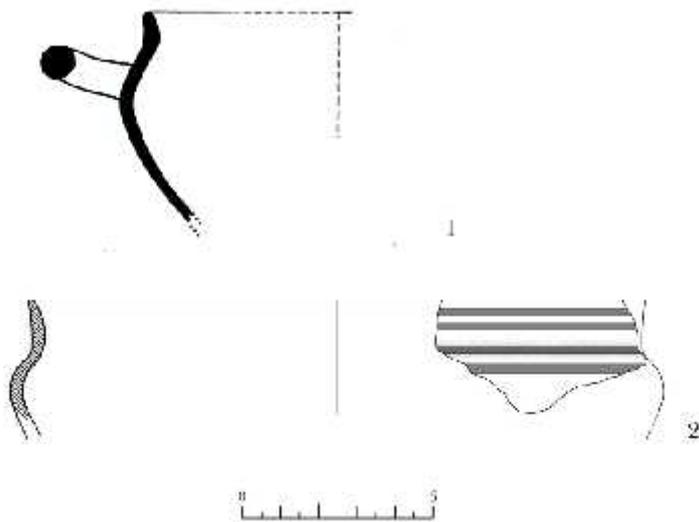


Fig. 2. Thapsos style cups. 1: type A, Thapsos type (Sabbione 1982); 2: type B, sub-Thapsos type (drawing by the author).

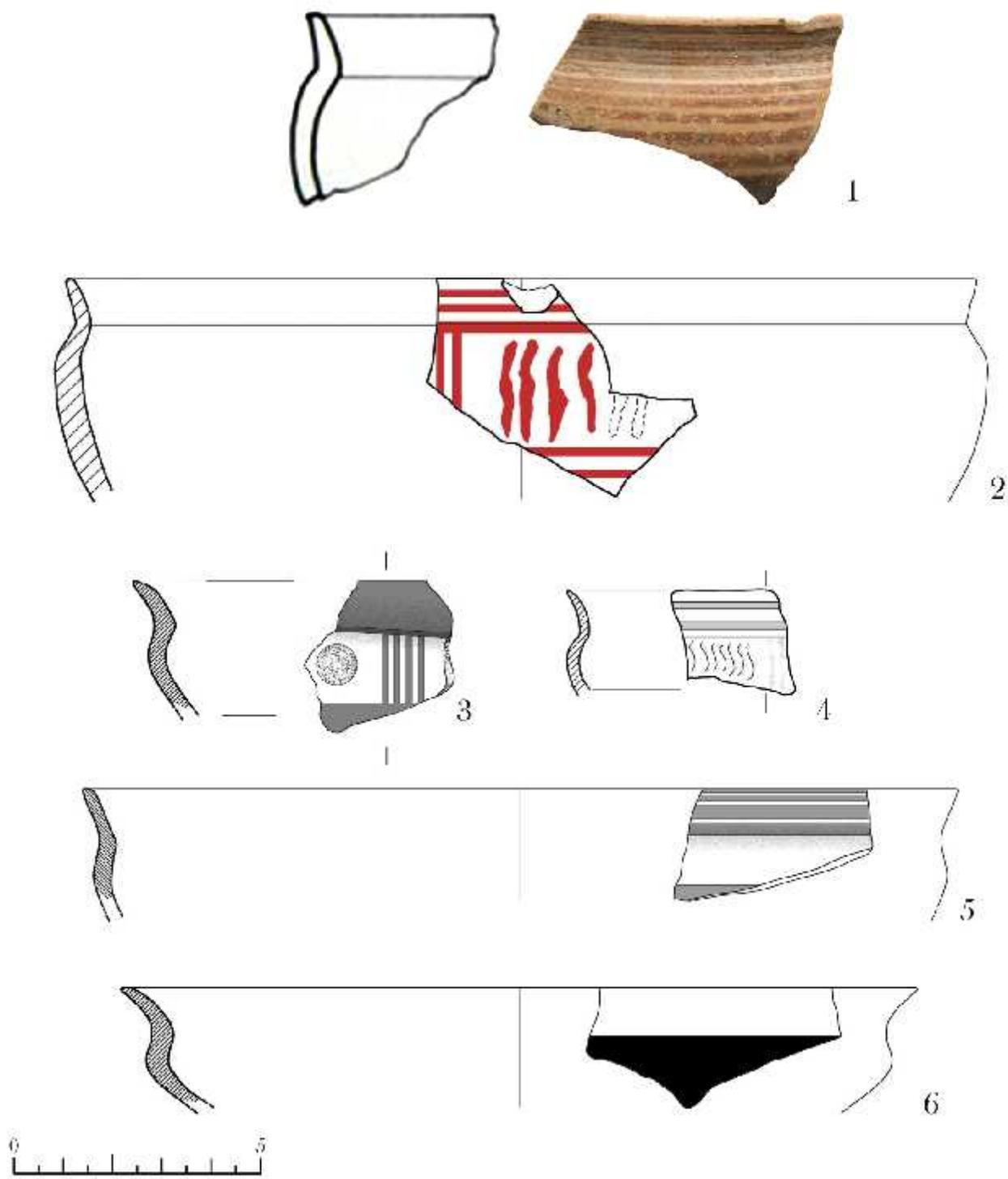


Fig. 3. Protocorinthian-corinthian type cups. 1: type C, DV2; 2: type C, DV3; 3: type D, DV5; 4: type E, DV4+6; 5: type F, DV6; 6: type G, Dv7 (1: *Sibari V*, photo by the author; 2: Luberto 2010b; 3-5 Luberto 2010a; 6 drawing by the author).

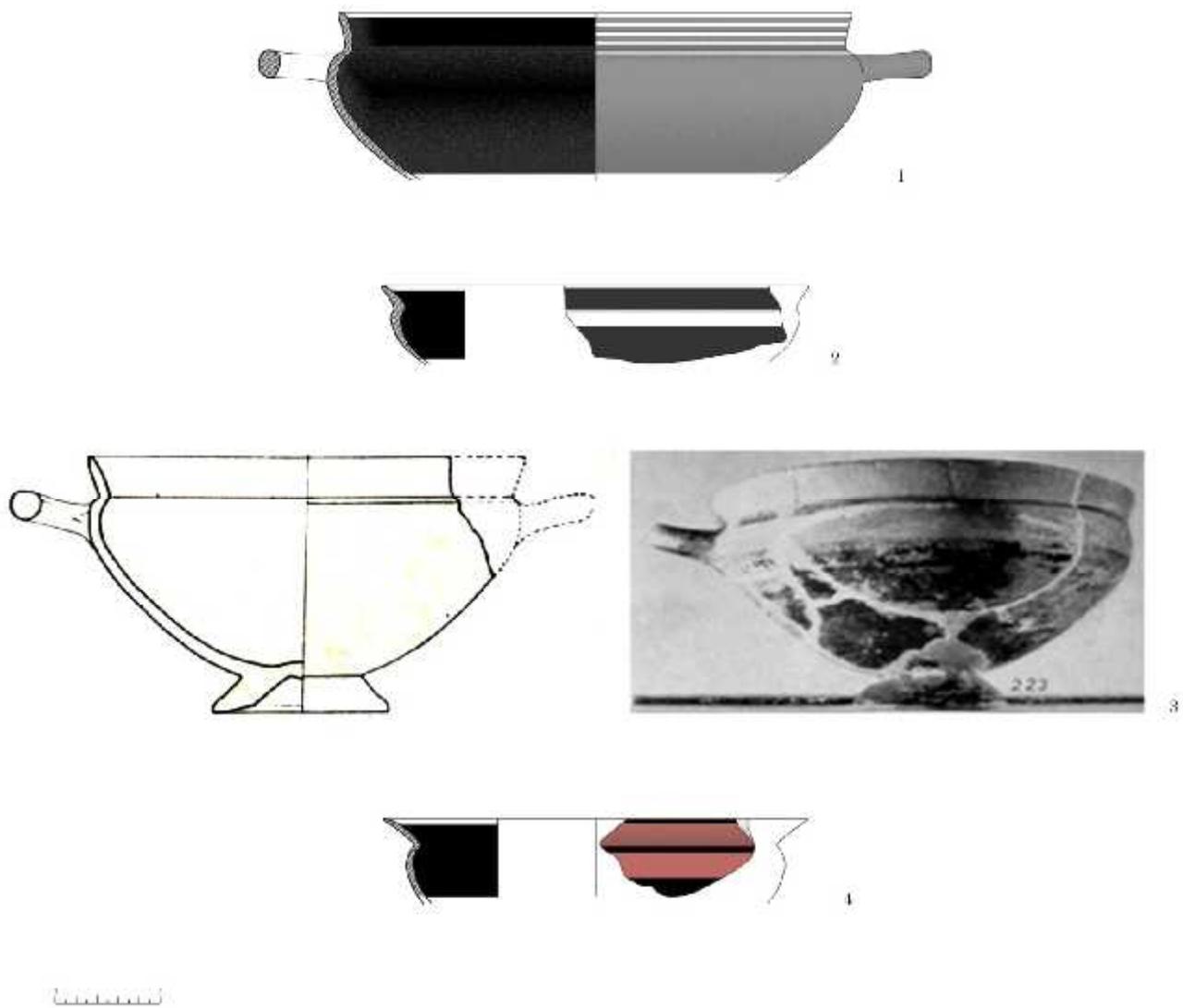


Fig. 4. East-Greek type cups. 1: type H, MV<sub>1</sub>, DV<sub>3</sub>; 2: type I, DV<sub>5</sub>; 3: type L, DV<sub>6</sub>; 4: type M, DV<sub>8</sub> (1,2, 4: Luberto 2010a; 3: *Sibari III*).

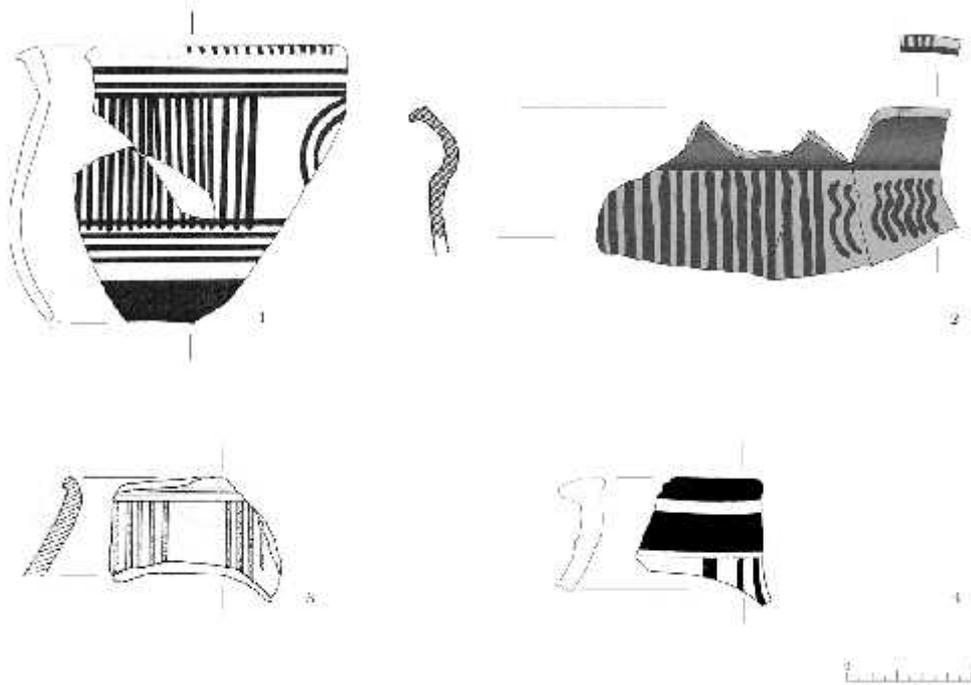


Fig. 5. Achaean colonial katers with geometric and linear decoration from Kroton. 1: MV1; 2: MV2; 3: MV3, 4: MV4 (Luberto 2010a).

Fig. 6: Achaean colonial *stamnoi* with geometric and linear decoration from Sybaris. 1: type A; 2: type B (from *Sibari V*, photos by the author).



Fig. 7: Achaean colonial kraters with figured decoration. On the left, fragments from Kroton; on the right, *stamnoi* and *deinos* from Incoronata (out of scale. Sabbione 1982, 1983; Orlandini 1991, *Incoronata 2*).

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