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**EARLY IMPERIAL HANDMADE SOUTH GAULISH POTTERY FROM LOWER GERMANY**

With a contribution by Malgorzata Daszkiewicz and Gerwulf Schneider

**Introduction**

Excavations in Lower Germany have unearthed a small group of early Imperial, handmade pots of South Gaulish origin (types Haltern 94/95; Gellep 449 and Hofheim 122; Tongeren 109; Deru P59)<sup>1</sup>. In Southern Gaul most of those forms occur both as wheelmade and handmade versions. Many of the handmade vessels show traces of additional treatment on a slow-turning wheel. This article aims to describe the type range and the fabrics of this group. Some aspects of their import into Germany are also discussed here.

**Typology**

According to the rim-forms two types can be distinguished.

**1) Pot with carinated shoulder and low rim**

Carinated shoulder and low, everted rim. The shoulder often turns, frequently there is a ridge on the exterior shoulder. This type has been subdivided into four variants:

- a) On Haltern 94 (**figs. 1,1a; 2,1–2**) the rim and shoulder are polished, the surface of the body shows no signs of tooling<sup>2</sup>. Flat base.

- b) The rim and shoulder are polished, vertical polished lines on the wall (**fig. 1,1b**).
- c) Haltern 95 (**fig. 1,1c**) is almost identical, but has two small lugs below the shoulder. Flat base.
- d) The rim and shoulder are polished, there are vertical or slightly diagonal ribs on the wall. Ring foot (**figs. 1,1d; 2,3**).

**2) Pot with ridged shoulder**

The rim and shoulder of Hofheim 122/Tongeren 109/Deru P59/Gellep 449 (**figs. 1,5; 2,4–5**) are polished; on the shoulder is a ridge. This type is always decorated with vertical ribs and has a ring foot.

**Chemical and mineralogical composition**

(by Malgorzata Daszkiewicz and Gerwulf Schneider)

Two samples of type 1a (T936, T938) and two of type 2 (T873, T937) have been analysed by WD-XRF (**table 1**). Sample T936, T937 and T938 are very similar to each other, T873 is slightly different. The lower values of some elements in this latter sample may be connected with the higher silica content, but the very different ratios of sodium to potassium (Na/K) and of strontium to calcium (Sr/Ca) make the difference significant. The elevated content of Zinc (Zn) in sample T873 very probably is a secondary effect as are the elevated values of phosphorus ( $P_2O_5$ ) and barium (Ba) in all four samples. The analyses do not match any of the analysed Roman pottery from the Rhineland in our databank<sup>3</sup>. We also did not find any match with our limited number of analyses of pottery from Lyon and the Rhone valley, e.g. from Saint-Romain-en-Gal<sup>4</sup>.

Thin-sections studies of three samples (T936, T937, T938) point to their provenance from a region with acid plutonic rocks (**fig. 3**). This again rules out a provenance from the lower Rhine valley. The coarse inclusions, very probably representing added temper, consist mainly of rock fragments with quartz, K-feldspar and plagioclase, and more biotite than muscovite.

<sup>1</sup> LOESCHKE 1909, 302–303 pl. 25,1.3; RITTERLING 1912, 351 pl. 37,122; VANVINCKENROYE 1991, 32–33 pl. 12,109; DERU 1996, 133. – Apparently the sources of those vessels have so far remained undetermined; cf. WEBER 1993, 30 („germanisch“ according to v. Uslar). DERU 1996, 133 and PIRLING/SIEPEN 2006, 186 allocated pots with ridged shoulder and vertical ribbing (Type 2) as terra nigra, a technique in which similar forms were produced. Only a few of the vessels mentioned in this study could be personally examined. Wheel-made pots with carinated shoulder and low rim were in use in Gaul, Rhaetia and Germania. Some vessels from Lower Germany can be attributed to Southern Gaul, cf. LIESEN 2004a, 467 fig. 3.8 (this vessel was falsely designated as handmade). – LIESEN 2004b, 738 fig. 50,1–2. – Archäologischer Park Xanten, find no. C 21690 (pers. comm. A. Willmitzer). Pots with carinated shoulder and low rim were produced in the 1<sup>st</sup> century workshops at Xanten (LIESEN 1994, pl. 9,14–18), Neuss (FILTZINGER 1972, pl. 62,1–8) and Cologne (HÖPKEN 2005, pl. 45,08–145); the surface treatment of the Neuss vessels resembles the South Gaulish manner. – We would like to thank A. Willmitzer (Bamberg) for information concerning finds from Xanten, R. Niemeijer (Nijmegen) for finds from Nijmegen, St. Berke (Trier) and B. Tremmel (Münster) for finds from Haltern and Anreppen, V. Jauch (Zürich) and D. Schmid (Augst) for finds from Switzerland, C. Höpken (Köln) for information concerning contents of pots, and C. Bridger-Kraus (Xanten) for correcting the English text.

<sup>2</sup> CHAUSSERIE-LAPRÉE/NIN 2004, 142–143.

<sup>3</sup> There is no need to discuss this in detail; cf. SCHNEIDER 2001; BIEGERT ET AL. 2002 (with further references).

<sup>4</sup> SCHNEIDER/DASZKIEWICZ 2006.

Lab.-no.	T936	T938	T873	T937
Inv.-no.	RMX 91,11.026	APX C25655	APX C21705	APX C11810
Type	1a	1a	2	2
SiO <sub>2</sub>	62.33	61.95	65.61	62.84
TiO <sub>2</sub>	0.831	0.799	0.648	0.814
Al <sub>2</sub> O <sub>3</sub>	21.99	21.64	19.84	20.66
Fe <sub>2</sub> O <sub>3</sub>	6.30	5.46	4.90	5.61
MnO	0.043	0.033	0.031	0.032
MgO	1.06	1.24	0.98	1.31
CaO	1.27	1.59	1.21	1.96
Na <sub>2</sub> O	1.07	1.30	1.55	1.02
K <sub>2</sub> O	4.49	4.18	3.67	4.49
P <sub>2</sub> O <sub>5</sub>	0.60	1.80	1.57	1.26
V	106	111	87	109
Cr	114	106	97	101
Ni	62	47	45	50
(Cu)	32	28	247	36
Zn	207	204	225	321
Rb	205	261	208	249
Sr	212	218	176	240
Y	31	30	33	28
Zr	279	231	193	298
Nb	18	17	14	18
Ba	1275	1017	816	1300
(La)	75	44	53	65
(Ce)	157	128	99	153
(Pb)	59	54	40	53
(Th)	41	41	26	43
I.o.i.	4.19	2.05	1.42	5.20
total	100.03	100.19	100.06	99.96

**Table 1.** Chemical composition analysed by WD-XRF of samples ignited at 900°C (I.o.i. = loss on ignition).

## Distribution

The distribution of this group in Lower Germany is limited to military sites, as well as associated settlements and cemeteries (**fig. 4**).

### 1) Pot with carinated shoulder and low rim.

a) Haltern 94: Xanten, Cologne, Haltern and Anreppe<sup>5</sup>; further examples are recorded from sites in Northern Gaul and Upper Germany<sup>6</sup>.

b) Pot with polished decoration: Cologne<sup>7</sup>.

c) Haltern 95: Haltern<sup>8</sup>.

d) Pot with ribbed decoration: Xanten and Cologne<sup>9</sup>; further vessels from sites in Upper Germany have been noted<sup>10</sup>. Some rim fragments cannot be attributed to a subtype<sup>11</sup>.

### 2) Pot with ridged shoulder.

Nijmegen, Xanten, Neuss and Cologne<sup>12</sup>; further examples are recorded from sites in Northern Gaul and Upper Germany<sup>13</sup>.

<sup>5</sup> Xanten: HEIMBERG 1987, 447; 445 fig. 13,15; WEBER 1993, 148–149 no. BE 88; pl. 14, BE88 (gravel-pit Xanten-Wardt) (sample no. T936); JOACHIM 1999, 183; 184 fig. 4,11 (sample no. T938); Archäologischer Park Xanten, find nos. C 21353, C 21383 (pers. comm. A. Willmitzer), C 39092 (*Colonia Ulpia Traiana*), unpublished. – Cologne: LIESEN 2004a, 467 fig. 3,6–7.9; 486. – Haltern: LOESCHKE 1909, 302; three sherds found in the cemetery presumably represent either Haltern 94 or Haltern 95: find nos. 1986,061; 1988,252/a7; 1988,253/a3. These sherds are not interpreted as grave goods; unpublished, pers. comm. S. Berke. – Anreppe: unpublished, pers. comm. B. Tremmel.

<sup>6</sup> Trier: GOERTHER-POLASCHEK 1985, 281; pl. 1,8c. – Vindonissa: MEYER-FREULER 2003, 534; 535 pl. 7, Ke117–Ke118; 572; 573 pl. 26, Ke424; 588; 589 pl. 34, Ke549 (ibid. 301 n. 1682–1683 with further references from sites in Switzerland).

<sup>7</sup> LIESEN 2004a, 467 fig. 3,2–4; 486.  
<sup>8</sup> LOESCHKE 1909, 302.

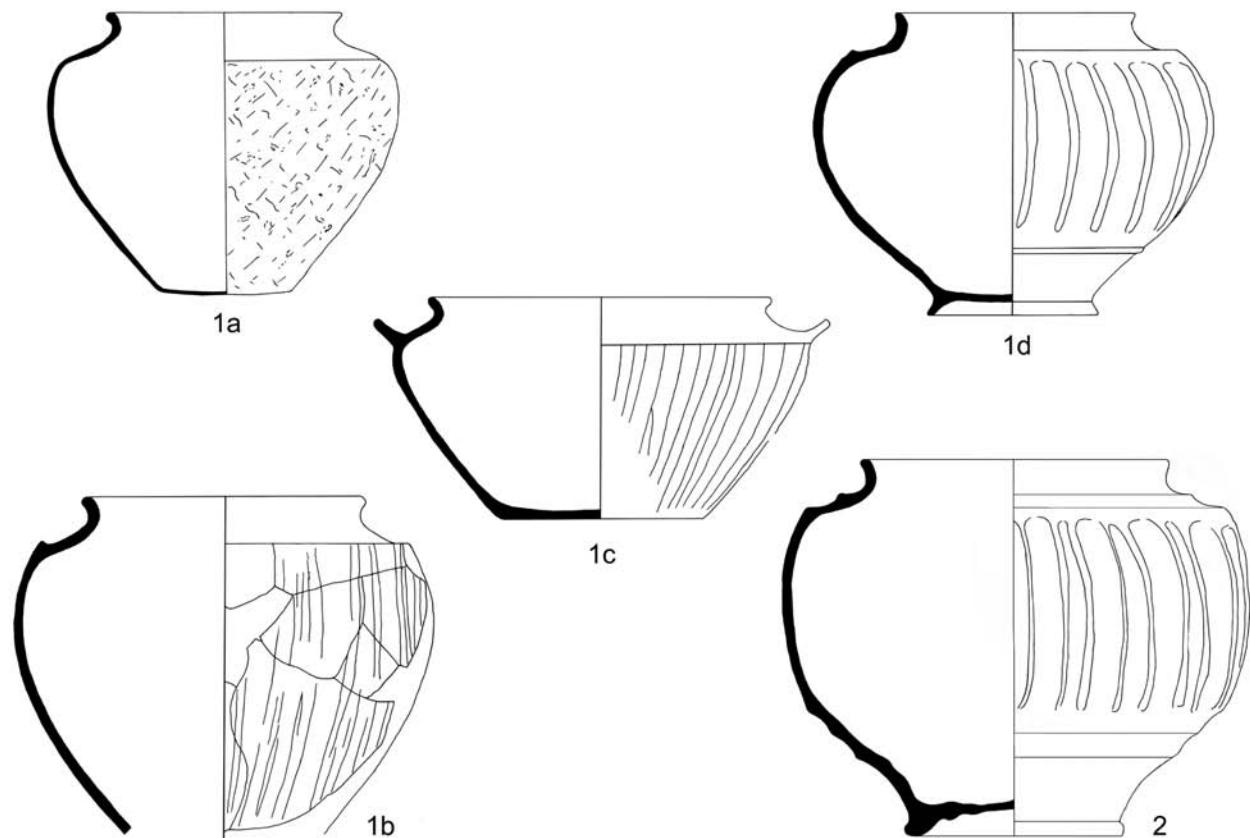
<sup>9</sup> Xanten: HANEL 1995a, pl. 102, C1958–C1959; HANEL 1995b, 235 nos. C1958–C1959 (*Veterra I*); Archäologischer Park Xanten, find no. C 9140 (*Colonia Ulpia Traiana*), unpublished. – Cologne: FREMERSDORF 1927, 258 fig. 4; LIESEN 2004a, 467 fig. 3,1,5; 486.

<sup>10</sup> Cf. FREMERSDORF 1927, 258 n. 7.

<sup>11</sup> LIESEN 2004b, 759; 760 fig. 99,5; KRÄMER 2012, 137; 136 fig. 45,415–25.

<sup>12</sup> Nijmegen: Castra 1990, find no. 3377, excavations Radboud University Nijmegen 1990, unpublished, pers. comm. R. Niemeijer. – Xanten: JOACHIM 1999, 184; 185 fig. 5,11–12 (fig. 5,11: sample no. T938); Archäologischer Park Xanten, find nos. C 7418 + C 7436, C 21705 (sample no. T873) (*Colonia Ulpia Traiana*), unpublished. – Krefeld-Gellep: PIRLING/SIEPEN 2000, 156 grave 5394 pl. 110,6; 140,3. – Neuss: FILZINGER 1972 pl. 7,1. – Cologne: DOPPELFELD 1953, 117 nos. 128–129 pl. 9,128.

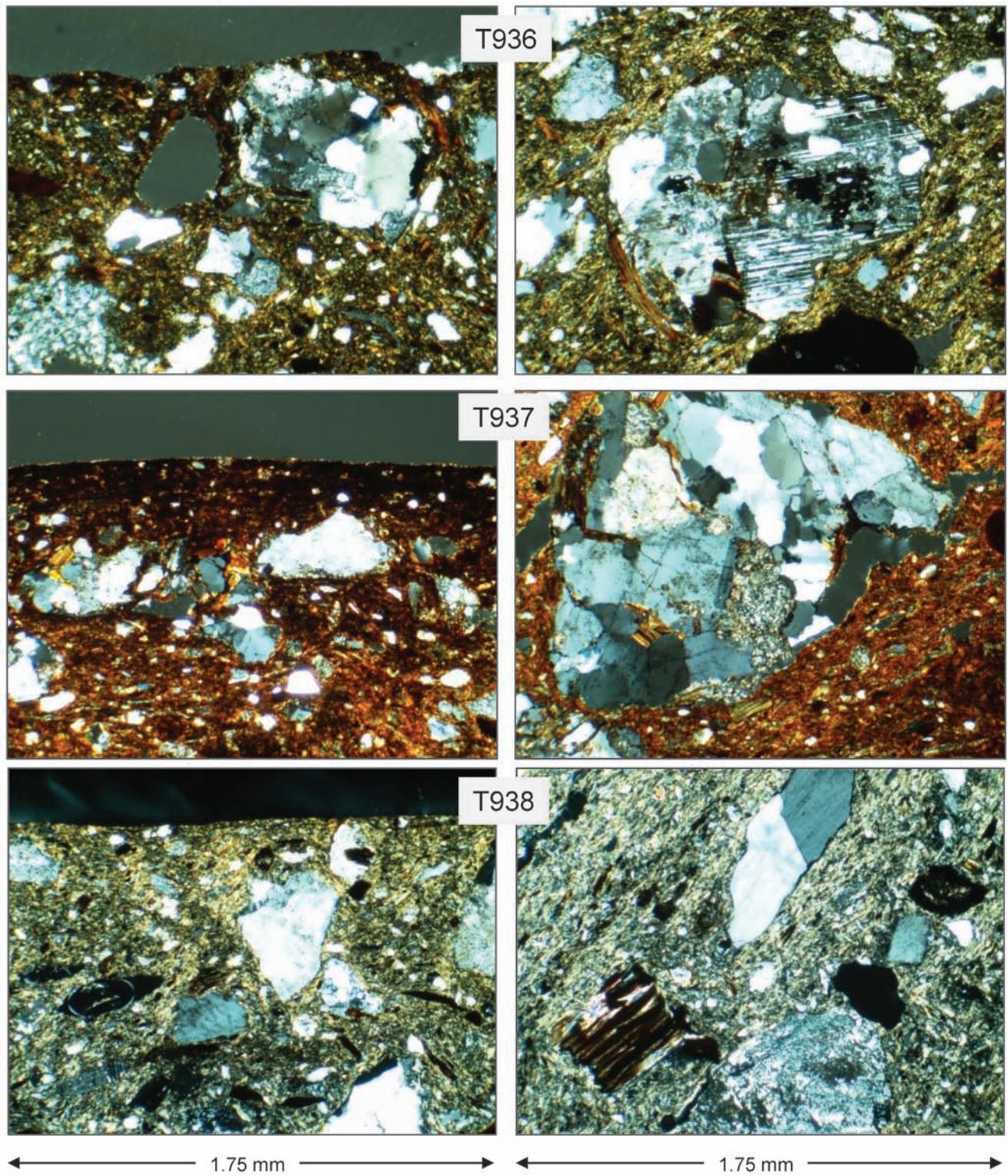
<sup>13</sup> Tongeren: VANVINCKENROYE 1991, 32; 33 pl. 12,109. – Karden: NICKEL 1999, 122; 375 Fototaf. 20,86,92,29,363. – Hofheim: RITTERLING 1913,



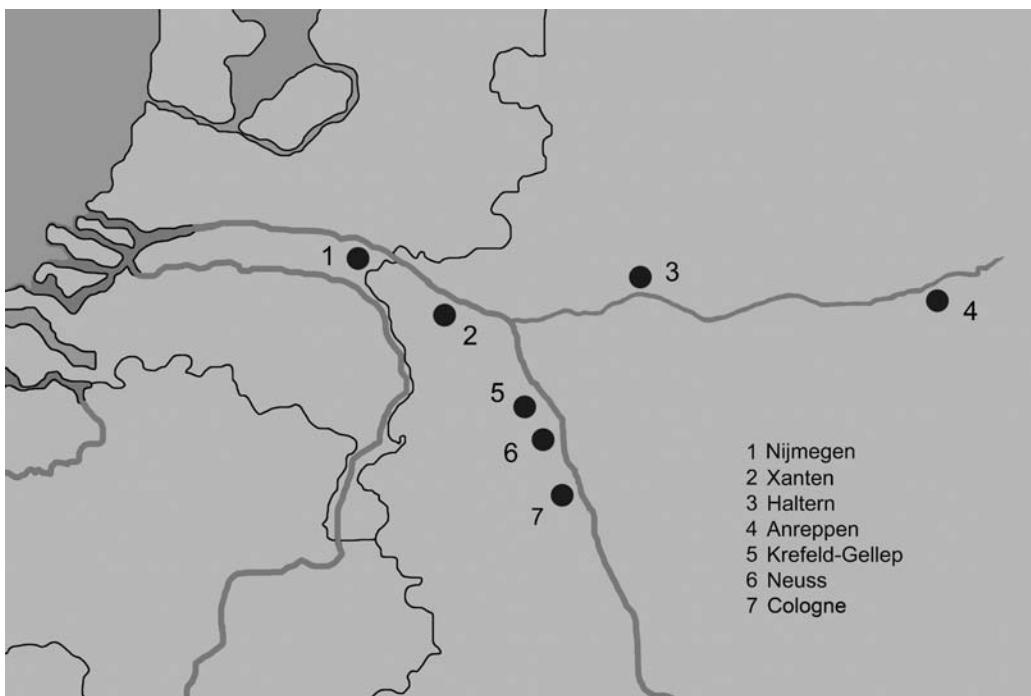
**Fig. 1.** Handmade South Gaulish Pottery from Lower Germany. Vessel types. Scale 1:3.



**Fig. 2.** Handmade South Gaulish Pottery from Lower Germany. 1–2: type 1a; 3: type 1d; 4–5: type 2.



**Fig. 3.** Photomicrographs of thin-sections of samples T936, T937 and T938 (XPL).



**Fig. 4.** Handmade South Gaulish Pottery from Lower Germany. Distribution.

## Origin

The chemical and mineralogical composition of these vessels does not match reference data from pottery workshops in Lower Germany and Haltern. Forms and fabrics are those of vessels that appear to originate in Southern Gaul and the middle Rhone valley. But as shown above there is no match with the analyses of pottery from Lyon and the Rhone valley in the Berlin database. The provenance of the pots therefore cannot be determined precisely until further analyses are available for comparison.

### 1) Pot with carinated shoulder and low rim

- a) Haltern 94: Common in the Provence, less frequent in the coastal areas of Liguria<sup>14</sup>. The type was produced in Orgon near St. Rémy<sup>15</sup>, but there is strong evidence for other sources in that region<sup>16</sup>.
- b) Pot with polished decoration: Wheel-made pots with polished decoration were manufactured in Lyon, Saint-Romain-en-Gal und Aoste<sup>17</sup>; they are common in the Rhone valley and in the Provence<sup>18</sup>. Whether the handmade vessels of this type belong to those workshops

351: „...Bruchstücke eines rötlichtonigen und eines grauen Gefäßes, die anscheinend ohne Anwendung der Drehscheibe, wohl in der Form, hergestellt sind“. Thus Hofheim type 122 represents both handmade and wheel-made pots. – Finds from sites in Switzerland: Kempraten: ACKERMANN in press cat. no. 411. – Oberwinterthur: excavation Lindbergstraße 14, no. 1997.051.279, unpublished, pers. comm. V. Jauch.

<sup>14</sup> MARTY 2004, 99. – CHAUSSERIE-LAPRÉE/NIN 2004, 143.

<sup>15</sup> ARCELIN 1993, 251 (Orgon); 251 no. CNT-ALP 1a11; ARCELIN 2011, 15 fig. 3.f.

<sup>16</sup> ROCHE 2009.

<sup>17</sup> Lyon: THOLLON-POMMEROL/LAROCHE 1997, 68 pl. 18,6. – Saint-Romain-en-Gal: LEBLANC 1995, 257. – Aoste: LAROCHE 1987, 330 fig. 19,1.

<sup>18</sup> CHAUSSERIE-LAPRÉE/NIN 2004, 146 fig. 10–11; MARTY 2004, 104.

cannot be determined with certainty.

- c) Haltern 95 was found in Saint-Romain-en-Gal<sup>19</sup>. Handmade pots with carinated shoulder and small lugs were attributed to workshops in the Rhone valley<sup>20</sup>. Wheel-made examples of this type were produced in Lyon, Saint-Romain-en-Gal and Aoste<sup>21</sup>.
- d) Pot with ribs: I do not know any parallels from Southern Gaul, but the fabric is very similar to that of type 2, so one can assume a South Gaulish origin.

### 2) Pot with ridged shoulder.

Wheel-made vessels of this type were produced in Aoste<sup>22</sup>. Whether the handmade vessels of this type belong to those workshops cannot be determined with certainty. Nevertheless, the content of mica clearly indicates a source in the middle Rhone valley.

## Chronology

These pots follow a pre-Roman tradition. In Southern Gaul the forms described here are common from the 1<sup>st</sup> century BC to the 1<sup>st</sup> century AD<sup>23</sup>.

The handmade South Gaulish pots are absent in the military fortress at Oberaden<sup>24</sup>. Haltern 94 and Haltern 95 appear

<sup>19</sup> LEBLANC 2007, 171 fig. 147, H6n°51.

<sup>20</sup> MARTY 2004, 101 fig. 5,26.

<sup>21</sup> Lyon: THOLLON-POMMEROL/LAROCHE 1997, 68 pl. 18,2. – Saint-Romain-en-Gal: LEBLANC 1995, 257. – Aoste: LAROCHE 1987, 332 pl. 20,2.

<sup>22</sup> LAROCHE 1987, 329; 330 fig. 19,7.

<sup>23</sup> CHAUSSERIE-LAPRÉE/NIN 2004, 146–148; LEBLANC 2007, 166–169 (Saint-Romain-en-Gal).

<sup>24</sup> For handmade pottery from Oberaden cf. LOESCHKE 1942, 135. The shape of Rödgen type 56 corresponds to our type 1, but has a different fabric; cf. SIMON 1976, 103.

for the first time at Haltern (and perhaps Anreppen), so it is likely that the pots with carinated shoulder were exported to Lower Germany from about 5 BC onwards. Pots with carinated shoulder and low rim appear in a deposit of the 3<sup>rd</sup> quarter of the 1<sup>st</sup> century AD in Cologne. The pots from *Vetera I* are pre-Flavian. The pots seem to have gone out of use by the Flavian period.

## Conclusions

Although the number of South Gaulish handmade pots found in Lower Germany is low, one can assume that they were not personal belongings of individuals. They are early Imperial, long-distance exports to Germany, supplying the military camps on the Rhine and the Lippe<sup>25</sup>. Several typological variants – as far as examined in this report – may originate from the same area. One sample showing a somewhat different

chemical composition may indicate a different workshop. Each of the typological variants are characteristic in shape and identifiable as containing products of the territory around. However, there is no clear evidence for the content of the pots so far. It is unlikely that they are just cooking pots.

Finally, we would like to point out that further research, starting from a much larger quantity of vessels, is an essential precondition for any sufficient appraisal of this pottery within the context of early Imperial commerce.

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## List of figures

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<sup>25</sup> Pots were identified as containers for honey, olives (ALBRECHT 1998; EHMIG 2006), berries (EHMIG 2009, 399; 434 no. 315), pigments (TUFREAU-LIBRE/BARBET 1997, 402–403; EHMIG 2007, 244–245; 298 no. 188), and preserved meat and fish (DEFFRESSINGE 1986, 125 fig. 3,2; EBNÖTHER/MONNIER 2002, 170 fig. 172; DONAT ET AL. 2006; HÖPKEN 2009, 145; VAGINAY/GUILHARD 1988, 190); cf. TYERS 2001, 98–100.

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