

PETROLOGICAL EXAMINATION OF ARRETINE FROM PUCKERIDGE/BROUGHING

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Introduction

All but one of the arretine sherds from the 1971-2 excavations at Puckeridge/Broughing were submitted for thin sectioning and study under the petrological microscope as part of a current programme of petrological analysis of arretine and early samian ware. Comparison with previously sectioned material attributable to the main arretine and early samian production centres (Williams, 1978; Jefferson, Dannell and Williams, 1981; together with other sectioned sherds) allowed the following comments to be made.

Arezzo

AAA 3

AAL 14

AAA 102

AAP 37

AAP 48

AAV 16

AAX 1

ABC 23

ACB 1

ACJ 1

ACX 1

ACY 8

ADF 1
ADF 5
AED 1
AED 2
AEH 3
AHY 7
AIJ 29
AIP 16
AIP 30
AJH 5
AJZ 37
AKA 2
ALH 16
AQH 1/3
AQH 4
ARH 1/3

Texturally these sherds compare favourably with previously analyzed material attributable to Arezzo, displaying a fine-textured fabric composed of a scatter of small quartz grains and a moderate amount of mica (Williams, 1978). Sherds AAA 3, AAA 102, AIJ 29, AIP 16 and ARH 1/3 appear slightly more micaceous than the other sherds in this group.

La Graufesenque

ACY 5
AAP 70

Both of these sherds contain some quartz grains and mica, together with numerous limestone voids, usually with a white hazy reaction rim surround. This fabric is strongly suggestive of the products of La Graufesenque (Williams, 1978).

Undesignated

AJQ 2

The fabric of this sherd contains frequent flecks of mica (mainly muscovite), perhaps not quite as strongly micaceous as the early products of Lezoux, but nevertheless producing a distinctive fabric.

Undesignated

AAP 9

ADH 7

ADY 2

APH 1

AQH 3

AQI 1

AQR 2

AQR 4

ARB 1

ARB 5

ARH 19

This group contains a variety of textural fabrics, all of which are slightly coarser than what the writer has taken to be the normal Arezzo fabric or that associated with some of the other centres.

Undesignated

AED 3

The fabric of this sherd contains abundant grains of quartz ranging up to 0.30mm across, although the majority are 0.10mm and below in size, together with some flecks of mica and a little opaque oxide. This is a very much coarser fabric than the other Puckeridge/Broughing sherds - is it arretine ?

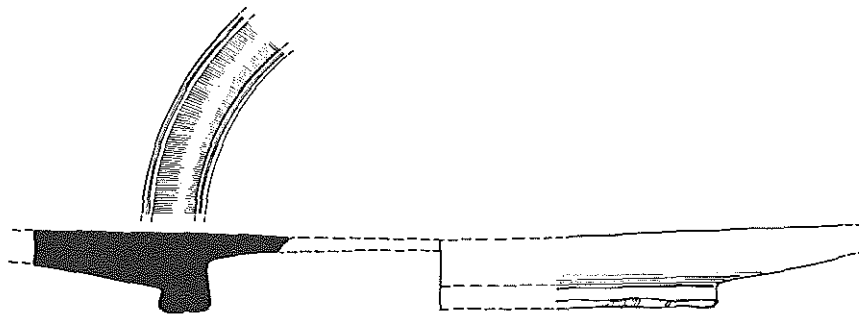
Comments

The thin sectioning results suggest that the majority of the arretine from the site came from Arezzo: at least 28 sherds out of 43 sampled. This agrees with recent visual identification and to a certain extent chemical analysis of Italian arretine at Chichester, Skeleton Green and Gatesbury Track, where the overwhelming majority of vessels are designated as coming from Arezzo (Dannell, 1978; 1981; Partridge, 1979).

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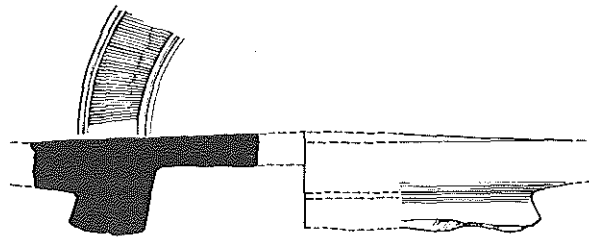
Braughling Anectiae Potta
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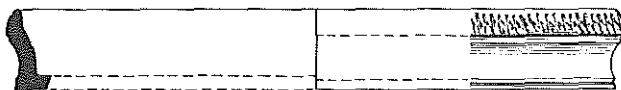
ARH19



ANY79.



ARM3
(2)



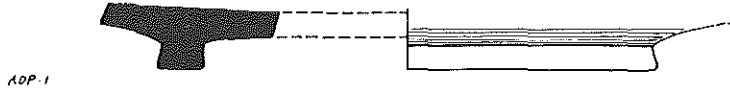
AAW4



AAV



Braughing : Ametine Pottery



AOP-1



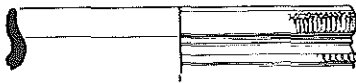
AQR3



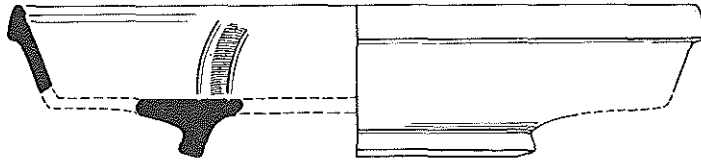
AAA
102



AIP-1



AED



AAB5
AAB1



AQR3

Brughing : Ametline Pottery @ 7.

ACS
①

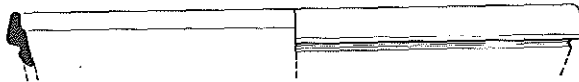


APM
①



AQR

APM
①



ABC23

ACS
①



8. Arretine Ware from Braughing

In view of the relatively large group of Arretine ware from the site, it seems worth noting both the stratified and unstratified material, which is now listed sherd by sherd.

1. AAA3 Cup base (Loeschcke 7 etc. Service I) stamped in a square frame (Oxé-Comfort 1968, 561, though not with this precise reading (unless 561, 27 is it). Crispinus worked at Arezzo. Stamps at Haltern and Vindonissa suggest late-Augustan activity, probably extending into the early-Tiberian period. CRIS
PINI
2. AAA102 Loeschcke 1a (Service Ib), Italian. The form is close to examples at Oberaden (cf. Ulbert 1960, Beilage 1). Augustan.
3. AAL14 Loeschcke 2 (Service II) with rouletted rim and shiny, peeling glaze. Probably Italian and late-Augustan or Tiberian.
4. AAP9 Probably Loeschcke 7a, Italian. A good, glossy surface and a rather straight wall. Probably Augustan.
5. AAP37 A fragment from an Italian dish.
6. AAP48 Similar to the last (burnt).
7. AAP70 Loeschcke 2 (Service II), unrouletted. The fabric suggests provincial origin. Tiberian.
8. AAV16 Base fragment of a dish in Italian fabric. The stamp XAN[is XANTHI when complete (Oxé-Comfort 1968, 61, 155, 177, 317a) with an example from Vindonissa. c. A.D. 10-30.
9. AAX1 Fragment from a very large Italian dish. More probably Augustan than later.
10. ABC23 (probably = AHY7) A fragment from a crater with rouletted central cordon and gadroons in the lower zone. The upper zone probably has a scroll. Italian. Augustan or early-Tiberian.
11. ABR1 Loeschcke 1b (Service Ic), Italian fabric, rather pink in the fracture. The vessel is shallow and has good glaze. Augustan (cf. Ulbert 1960, Taf. 5, 7 - Oberhausen).
12. ACB1 A scrap in Italian fabric.
13. ACJ1 Loeschcke 2 (Service II), unrouletted (cf. Ulbert 1960, Taf. 7, 2 - Oberhausen). Italian fabric with the glaze mainly flaked away. Late-Augustan or early-Tiberian.

14. ACX1 A triangular footring from a dish. Italian fabric. Late-Augustan or early-Tiberian.
15. ACY5 Loeschcke 2, unrouletted, possibly Gaulish. Tiberian.
16. ACY 8 An undatable Italian scrap.
17. ADF1 Loeschcke 3b(?), unglazed inside the squat, heavy footring and without rouletting in the base (burnt). Certainly Italian and Augustan.
18. ADF5 Dish fragment, Italian.
19. ADH7 Loeschcke 7b rim (Service Ib), Italian in pink fabric with dull, red glaze. Augustan.
20. ADY2 Dish fragment, Italian.
21. AED1 Loeschcke 8, with coarse rouletting, in a fabric which could be either Italian or provincial, but is more probably the latter. Ulbert 1960, Taf. 9, 1 is close. c. A.D. 10-35.
22. AED2 Dish fragment, Italian.
23. AEH3 Dish fragment, Italian.
24. AHY7 See no. 10.
25. AIP16 Dish of Service Ic, Italian (cf. Ulbert 1960, Taf. 4, 7 : Oberhausen). Late-Augustan.
26. AIP30 Dish, probably of Service Ic, Italian. Late-Augustan?
- BSC - 27. AKA2 The plain portion of a crater, below the decoration. Pale fabric and shiny glaze. Probably Italian and Tiberian.
28. ALH16 Dish, probably Goudineau 17b (Service Ic), Italian. Augustan.
29. (APH1) Dish, Service II (Ulbert 1960, Taf. 8, 3 : Oberhausen), Italian. Drilled for rivets. Late-Augustan or Tiberian. *united*
- C27 - 30. (AQR2) Cup base stamped L. SEMPR L. GELLI in a rectangular frame (Oxé- Comfort 1968, 747). For the partnership of L. Sempronius and L. Gellius there are comparatively few stamps, and it was presumably short-lived. Examples may be noted from Oberhausen (Loeschcke 8), Nens, Sels, Mont Beuvray and probably Haltern. c. 10 B.C. - A.D. 10. C27. (4)
- C27 - 31. AQR4 Cup, probably Goudineau 41, the ancestor of Ritterling 9. Perhaps provincial and Tiberian rather than earlier. C27.
- C27 - 32. AQH1 and 3 (same vessel) Camulodunum S10A is very close, but examples of Service Ib at Oberaden and Oberhausen (Ulbert 1960, Beilage 1) are also similar, Italian. Late-Augustan. C27.

- C27 - 33. AWH3 A late variant of Loeschcke 8 (Service II), probably provincial and in rather coarse fabric with dull red granular finish. The vertical rim is grooved instead of being rouletted. Tiberian. C27.
- C27 - 34. AWH4 An Italian dish fragment, not closely datable. C27.
- C27 - 35-7. AQI1-3: Eroded fragments, all Italian. C27.
- C27 - 38. ARB1 Footring and base of a small, rouletted dish, Italian. This form of footring falls late in Goudineau's first group (Goudineau 1968, p. 40, B-2C-13). Augustan. C27.
- C36 - 39. AR⁸45 Rim of Goudineau type 24 (Service Ib) but with a slighter internal moulding at the lip (cf. Oberhausen, Ulbert 1960, Beilage 1), Italian. c. 10-1 B.C. C36.
- C36 - 40. ARH1, 3, 18 Three fragments from the same large, rouletted dish with massive, squat footring. Unglazed inside the footring. Cf. Goudineau 1968, p. 243 (B-3-18). c. 15 B.C.-A.D. 10. C36.
- C36 - 41. ARH19 A burnt footring of the same general type as the last, but less massive. Cf. Goudineau 1968, p. 243 (B-2B-15). Augustan. C36.

Summary

The first and most obvious point is that, with a few possible or probable exceptions, visual examination strongly suggests Italian rather than provincial origin for most of the sherds. (Of the forty vessels only five are likely to be provincial.) This could be related perhaps as much to the available supplies as to chronology, but a chronological element is clearly present, as the emphasis on Services Ib and Ic rather than II shows. In other words there is a strong Augustan component. An approximate chronological ordering of the datable material gives 21 sherds within the range 15 B.C. - A.D. 20 and only 7 in the range A.D. 15-35. The closest parallels tend to come from Oberhausen for Services Ib and c and the period around 10 B.C. - A.D. 10 is best-represented.

Terra rubra fragments from:

AED 3, AEH 1, ACH 2, AQR 1, ARB 15,
ARH 2, 5, 6, 7, 8, 10, 13, 16, 17, 20.

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