AND WEEKLEY, NORTHAMPTONSHIRE

2083

Report sent to Dennis Jackson

Samples of Iron Age 'curvilinear decorated' pottery from Wakerley and Weekley were submitted for petrological examination, together with 'wasters' from the Roman kilus at these two sites. In addition, two examples of similarly decorated Iron Age pottery from Hunsbury hill-fort, southwest of Northampton, were analyzed for comparative purposes.

Iron Age

Wakerley BX III 1a. Medium thick, medium hard fabric, reddish-brown on the outside surface, black core and inside surface. Moderately gritted with shell. Tooled curvilinear decoration on the burnished outside surface.

Moderately gritted with shell. Sherd from a bowl with a short upright-rim and tooled curvilinear decoration on the burnished outside surface.

Weekley sample 2. Medium thick, hard fabric, dark brown throughout.

Heavily gritted with shell. Same type of vessel and decoration as sample 1.

Hunsbury (Fell, 1936, fig. 6, no. D8). Medium thick, fairly hard fabric, buff on the outside surfaces, with a laminated core. Very heavily gritted with shell, some of which show through the surfaces. Part of a bowl with a bead-rise. The outside surface has been roughly burnished and the decoration consists of irregular dots and tooled lines.

Thin sectioning of the four samples shows an optically anisotropic matrix of fired clay containing numerous inclusions of fossiliferous shell and some limestone. Also present are grains of subangular quartz, average size about 0.05-0.15mm.

The presence of fossiliferous shell and limestone in all four samples points to the Jurassic ridge as a likely source for the clay/temper. As all three sites, in fact, are situated on the Jurassic ridge, it is not possible without further analyses to suggest whether these wares were made separately at each site or share a common origin.

Hunsbury (Fell, 1936, Pl. xi B, no. D11 and fig. 6, no. D11). Medium thick, hard fabric, dark grey to buff on the outside surface, dark grey core and inside surface. Round-bottomed bowl with short everted-rim and tooled curvilinear decoration on the highly burnished outside surface.

In thin section the prominent inclusions are made up of iron-rich argillaceous matter set in an optically anisotropic matrix of fired clay. It is difficult to determine the exact composition of many of these inclusions due to the degree of staining, but ferruginous colite showing traces of concentric structure can be recognized in the section. Also present are a small amount of limestone and a scatter of subangular quartz, average size 0.1mm.

The iron-rich inclusions can be matched in the Northampton Sand

Ironstone deposits which cover a large area of Hunsbury (Hollingworth and

raylor, 1951, 34-35), and so it seems likely that the small number of vessels of this type from the site were made locally (see Fell, 1936).

been obtained at or near the three sites in question, and so the pottery may well be of local origin in each case. This situation appears to be quite different when compared with another form of curvilinear pottery, Glastonbury ware, which was clearly produced at a number of commercial centres and transported over some distance (Peacock, 1969). However, only a small number of vessels are included in the present programme, and more samples from other sites in the Northamptonshire area need to be analyzed before a clearer picture emerges of the origins of this particular group of Midland wares.

Roman

Wakerley 2005, kiln 2, third century A.D. Medium thick, very hard fabric, light grey throughout. Moderately gritted with limestone.

Thin sectioning reveals large fragments of limestone and numerous subangular grains of quartz, average size 0.20-0.30mm., set in an optically anisotropic matrix of baked clay.

Weekley kiln 5, early Roman. Thin, brittle fabric, oxidized bright red throughout.

In thin section the inclusions consist of numerous subangular grains of quartz, average size 0.1mm., together with a scatter of small fragments of limestone, set in an anisotropic matrix of fired clay.

to determine if these could have been used in the manufacture of the pettery. The sample of clay was baked and then sectioned for study under the petrological microscope in the same way as the pettery. Thin sectioning shows fragments of limestone and subangular grains of quartz, average size 0.05-0.10mm. The results suggest that the clay used for the pettery was the same as that found in the kiln. The presence of limestome would indicate a local source, possibly the Upper Lias clay which lies closeby to the site.

Table I shows the results of heavy mineral analysis (Peacock, 1967).

in terms of percentages of noncopaque minerals on a 'waster' and a

sample of sand from the kiln.

TABLE. I

			4					counted
	22 1000 1000	Staurolite	Tournaline	9 1 1 1 1 1 1	Garnet	Kyanite	Anatase	No. graims
Sand, Weekley kiln	75.2	10.6	5.2	4.1	2.3	1.4	1,2	767
'Waster', Weekley kiln	84.4	6.8	3.7	2.7	1.6	8,	¢ 150¢	315

The minerals have the following properties:

ZIRCON

Small well rounded grains and elongated bipyramidal varieties.

STAUROLITE

Large reddish-brown rounded grains.

TOURMALINE

Occurs chiefly as brownish-green grains, quite well rounded.

RUTILE

Small anhedral fractured grains, foxy-red in colour.

GARNET

Irregular colourless grains, usually small in size.

KYANITE

Short stumpy colourless grains.

ANATASE

A few stumpy grains, very clear.

The quantitive heavy mineral results for both samples display a close degree of correspondence, and this is also borne out by the similarity of the mineral characteristics. There can be little doubt that the same type of sand as that found in the kiln was used as a filler for the pottery.

The characteristic feature of the assemblage is the relatively high tenor of staurolite, easily exceeding that of tourmaline. Staurolite has been recorded as being plentiful in the Northampton Sand Ironstone (Skerl, 1927, 381-382), deposits of which occur closeby to the site.

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