ANK Report

FROM SHERBORNE CASTLE, DORSET

A range of late mediaeval sherds from Sherborne Castle were submitted for petrological analysis. From an initial macroscopic examination, followed by selective thin sectioning and heavy mineral separation to allow study under the petrological microscope, a number of tentative divisions could be made on the basis of the aplastic inclusions present. These are listed below following descriptions of the sherds. Munsell colour charts are referred to together with free descriptive terms.

Fabric 1

74-1124, 74-1448(55 & 56), 73-484, 74-1450, 74-1369, 74-1381, 74-1349, 74-970, 74-842, 74-579(36), 73-694(36), 73-715, 74-1292, 74-1041.

Hard, harsh fabric, surface colour varies from reddish-buff to dark grey, with a light to dark grey core. Some sherds show signs of an green glaze. Inclusions of flint and quartz sand are usually clearly visible throughout the fabric.

Petrology

Inclusions of flint (up to 2.5mm, across) are common, together with frequent ill-sorted subangular quartz grains, ranging in size from 0.20-1.0mm, and a little limestone.

A possible sub-group may be 73-707 and 74-1164. The petrology is very similar, the only difference being the presence in

the latter sherds of large grains of red iron ore, easily seen in the hand specimen.

Fabric 1, representing the majority of pottery from the site, has been grouped together very tentatively on the basis of the presence of two extremely common inclusions in much mediaeval pottery, flint and frequent quartz grains. It is perfectly possible, not to say likely, that careful study may reveal several subdivisions of this pottery by taking careful note of the percentages of the main constituents present. However, to obtain meaningful results such work is best done by incorporating the Sherborne pottery in a general review of mediaeval flint tempered ware from several sites, and as such this lies outside the scope of the present report. Due to the common nature of the inclusions, therefore, it is not possible to say with any degree of assurance whether this pottery, or at least some of it, can be regarded as local, though given the large quantity involved a fairly local source seems likely.

Fabric 2

70-228, 70-230, 74-1324, 73-357, (?)74-970.

Hard, fairly rough sandy fabric, surfaces tend to be light red (2.5TR 6/8), with a lightish grey core.

Petrology

Abundant inclusions of subangular quartz, average size 0.20-30mm. Also present are frequent fairly well-rounded light brown grains of limonite (altered glauconite), and some

collophane.

The presence in some numbers of glauconite suggests an origin in the Greensand and Gault Beds, of which the nearest deposits to Sherborne lie some six miles to the south. Close to these deposits is situated a thirteenth century kilm at Hermitage whose products appear fairly similar in the hand-specimen to Fabric 2 at Sherborne (Field, 1966, 165-172). Thin sectioning of waste material from the Hermitage kiln revealed a similar range of inclusions to the Sherborne pottery, including the glauconitic grains. A heavy mineral separation on samples from Sherborne Fabric 2 and wasters from Hermitage also displayed points of similarity, noteably in the comparatively high percentage of rutile, contrasting with a separation on a sherd from Sherborne Fabric 1 (Table). It seems quite likely, therefore, that Sherborne Fabric 2 was made at the Hermitage kiln, or at any rate reasonably close to it.

Fabric 3

74-1041 and 74-1085.

Hard, rough sandy fabric, light red (2.5YR 6/6) throughout, with traces of dark red (?) paint on the outer surface.

Petrology

Fabric 4

74-868。

Hard fabric, mottled olive-green glaze with a white core.

Petrology

Frequent inclusions of subangular quartz grains, average size 0.10-.20mm.

Fabric 5

74-39.

Very hard fabric, olive-green glaze with a white core and inside surface.

Petrology

Frequent subangular quartz grains, average size 0.40-1.0mm., and a little flint. Similar to Fabric 1.

Laverstock Vare

Two sherds from Sherborne Castle (71-342 & B62) from (?)
jugs, appeared similar to certain types from the Laverstock
kilns near Salisbury (Musty, Algar and Ewance, 1969). Thin
sectioning of the Sherborne sherds revealed frequent subangular
quartz grains, average size 0.20-.30mm, and flecks of mica.
This agrees quite well with thin sectioning of sherds from
(?) jugs from the Laverstock kilns, and the Sherborne samples
may well have come from there, though this cannot as yet be
conclusively demonstrated. Heavy mineral analysis might offer
a further means of characterizing Laverstock products in any

future comparisons, on this occasion both Sherborne samples and those from Laverstock were to small to allow the method to be employed. However, one interesting point did arise from the thin sectioning, namely that a section from a Laverstock cooking-pot differed from the jug sample tested. The former contained only a scatter of subangular quartz grains, and these were a size grade higher than those in the jug, average size 0.40-.60mm. Either a slightly coarser clay was used for cooking-pots as opposed to jugs, or else the added sand was gently crushed for the jugs. The coarser texture of the cooking-pots was probably deliberate, adding refractory qualities to the vessels.

South Dorset Mares

A small amount of comparative material from Wareham (unglazed) and Corfe Castle (both glazed and unglazed) was also examined, to see if South Dorset Wares were represented at Sherborne. The Wareham samples contained little else but quartz grains, average size 0.30-.40mm. A heavy mineral separation produced a tourmaline-rich assembly recalling that found in the products of the Romano-British black-burnished industry centred around the western shores of Poole Harbour and on the heathlands south of Wareham (Williams, 1977, Group 1). An origin in this area may also be likely for the Wareham sherds, the mediaeval potters utilizing roughly the same clay beds as were in use during the Roman period. Neither thin sections for heavy mineral assemblage agreed with those of the Sherborne samples studied.

Thin sectioning of the Corfe Castle sherds showed a scatter of subangular quartz grains, average size 0.60-1.0mm, with a little flint and iron ore. Texturally, these sherds appear to be slightly different to those samples from Sherborne Fabric 1, containing less quartz than the latter, and so suggesting the possibility of a different origin, though it is difficult to be precise on this point.

TABLE

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No.	Site	Zircen	Tourmaline	की दें दें	Kyanite	Andalusite	Staurelite	Garnet	Apatite	No. grains co
1	Sherborne Castle, Fabric 1 74-1041	71.0	13.4	2.8	1.4	4,3	1 ,4	4.3	1.4	2 69
2	Sherborne Castle, Fabric 2 74-228	83 ₀ 6	4.2	8.8	1.3	9468	£100	1.4	.7	277
3	Hermitage kiln	80.6	2.5	11.2	2.1	••••	E-44	2.1	1.5	397
4 .	Warehan	40.8	51.9	•9	.9	3.7	• 9	G gred a	•9	308

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Application for petrological analysis

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*DESCRIPTION OF POTTERY AND STRATIFICATION DETAILS

See attached lists

AIM OF ANALYSIS

Also to clarify the possible secures cap intravae, or assumed intravale weres

COMPARATIVE MATERIAL AVAILABLE (i.e. scope of intended programme, will other, associated, material be collected and submitted for comparison?)

Material from Kider site at Hernistage, Porset.

Local wares from Porset ie: looke Custle,

+ Wareham.

NUMBER OF ANALYSES ANTICIPATED

10 - 15

^{*}Please submit further sheets if necessary.

Same Similar as large econstructed, pot combing, splashed glaze. + Small fragments of potlich, same type. ? Hermitage ware. SHERBOANE 70. 228 (25)

OLD 70. 230 (25)

CASTLE, DOLSET. Waren with questy tempering Rough soundy feeling waves, seinly obsciously the same best to what extent and what geology

32.735 - Block core and glosed.

73. 110 Pink guarts ware inside, but Black + white outside Aso wateralog this type from 74 - (50) + (56) . Also gloged rough ware the this from 74 - (39) while waves and link tented waves. Hille waves and link Unted waves. 71-342 - White all horough. Dugon molled glaze. ? Loverstock 71.454. While sine ware. lighter gon mottled which also not cover out the ext. surpose. 74.868 . Find white waves with nottled gran get, mostly doth. - These waves are Kin and very fine indeed. 74.987. White wave type, but with pink tinge. It green of and Brown patterning often applied clay. 74. (39 (lager 39) thistone of white pink waves with some orange of varying quality. Comparison with themselves and others in this group, (+ ? comparison with Salisbury Plain stuff if (com get it) _____ 73-636. Course & Main the above frey come. 73.688. Also v. course, but glazed. Degrey , Black core. 74. 1315. 68) Tile pragment Compasion (B) Later Drauge coloured ? Local Land tempered waves. Assumed to be locale by sleer weight of our locate. Hermitage were tends to be in this category - compare. 34. 13 26 | Orange sand tempered were with you cover 71. 357. | Island - slighly more gray.

73. 357. Several sheeds hand onege was gray core.

74. Lager 65) + (56). 34.970. and in oneny cases small challe in dusions. (C) Very worde wares desen. - Notably . very bearily gritted some with rough testure, selest the rounded inclusions not too rough luglaged light weight perf but involved. Usually gay colour, sometimes brown.

- Pink-buys ware like (73.110) 7323,74.1292.] HERBORNE 74.1450- Strange sandy ware with large in classic and ASTLE. DOKSET 23-484. Brich redware with chalk and a large quantity ag other in all suit colored to pirt wave mentioned in these layer. Same wares Brick sed, sometimes burnt black as Probably waves local to the Sherborne Hrea. (D) order 74.842: (st.2) localware with frey core and mostly plint 74.1292: inclusions. Slightly brown appearance. Some guards present. 34.1041: Michire. - Orange Sandtempered hard wares. " softer wares. More inclusions. Just come in clusions. 73. 694 light grey ware quite hard, with sand in dusions in falorie, Not completely the 10.715 Grey sand tempered save, slightly glazel all over with light you glaze. Very large left scattered inch. of chath, plint. ? Tripod pitcher sherds. (34.842. Orange warse Faisly soft palvice. Grey core. Sandtempered, (3400 3) grady present : large in classics of chalk and dash plint. 14. 970. Heavy gray ware. Large flint instraions. Surellichalle partistes. Visty brown/gran gloge. Some red onhe-like Welusions. ? Tripod politics.

EP2.015	
AERBOLNE VD PASTLE, DIRSET.	74. 1124. (5). Selection of wares, all answered to be local. Hostly Grey reference paidly well tempered wares. Flint , chalk.
set Ye-	74-1349. Extremely warse waves. Early Redieval. Hostly 74-1396. black with large chall inclusions and some slint 4 brownish shoots with smaller inclusions and sandier feel.
	14-1164. Single rim bord. light frey come. Very large to base inclusions. Fairly sandy what are the red particles.
	33: 357. Hard orange sandy worth with grey we.
	73-703. Mieture of I local wares. Large proportion
	74-1381. Dange feed grantzy waves - 2 stands . frey
	34. 1381. Local wave? white stopen appearance. Small chalk particles in chaled. Fasically fairly hand and may be saved tempered.
+	Comparable shorts from Bean's earlier executer.
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