

C B A RESEARCH REPORT 45

SAFFRON WALDEN: EXCAVATIONS AND RESEARCH, 1972-80

BY S R BASSETT

MICROFICHE SUPPLEMENT TO THE PRINTED TEXT

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SECTION I

CATALOGUE OF THE ILLUSTRATED FLINTWORK

by E Healey

ELM GROVE

- Fig 19.1 Unspecialised core of single platform type. A small corticed nodule (weight 170 g) has had three irregular flakes removed from a platform formed by a single flake bed. There is step fracturing on the face of the core and a percussed area on one corner of the nodule suggesting difficulty in detaching flakes. Dark grey mottled flint.
- 19.2 Small single platform core (weight 30 g) of semiconical form; an area of cortex remains on the face. There are beds of eleven major flakes of irregular shape struck from a thermal scar. The edge of the platform has been partially trimmed but this is irregular. There are two areas of prominent step fracturing about a third of the way up the face of the core. Dark grey flint.
- 19.3 Prismatic blade core (weight 30 g) with scars of nine flakes struck from two platforms (both flake beds). The edge of one platform has been irregularly trimmed. A small area of cortex remains on the side of the core. There is step fracturing on one face. Dark grey flint. Patinated.
- 19.4 Two-platformed blade core (weight 40 g), the platforms being at an oblique angle to each other. The main platform is corticed and there are scars of five blades struck from it. The other platform is formed by a mechanical fracture and most of the flakes struck from this platform have resulted in very short flakes and step fractures, but on the top left-hand corner (as illustrated) relatively long narrow flake scars have been struck. Patinated.
- 19.5 Discoidal core (?) (weight 55 g) the main scar removal on one face (the second in the illustration) truncates the scars from the keeled edge. There are nine major flake beds. Small areas of cortex remain on the edge of the core. Dark grey flint; light patina.
- 19.6 Small flake with inverse edge retouch on oblique right margin (cf obliquely blunted points), and light utilization on opposite edge. Brown flint; patinated.

- 19.7 Squat flake with moderately steep, inversely executed edge retouch (very regular) on left edge. Grey flint, cortex.
- 19.8 Small flake with flat bifacial edge retouch on one edge, carelessly executed, much step fracturing as on core edge. Dark brown-grey mottled flint, cortex.
- 19.9 Large irregular corticed flake with neat steep retouch on oblique right edge (cf obliquely truncated blades), and irregular moderately heavy sporadic retouch on rest of flake. There is also an area of medium steep regular retouch on left edge at butt end. Black flint.
- 19.10 Flake (truncated) with light but steep retouch on one edge and inverse heavier and more invasive retouch on other edge and end. Opaque brown flint.
- 19.11 Squat corticed flake with regular heavy steep trimming on distal end (right edge on illustration) and light spalling on chisel-like end. Brown grey flint; patinated.
- 19.12 Large parallel-sided flake ending in hinge fracture. Light utilisation or (?) edge retouch on both margins. Light grey flint.
- 19.13 Large flaring blade (damaged) with indications of utilization on both edges (one probably serrated). Patinated.
- 19.14 End scraper: rounded scraping edge on the distal end of a flake. Classic semi-convergent medium steep retouch. Margins retouched (heavier and more regular retouch on right side). Slight wear observed on distal end and both margins. Patinated.
- 19.15 Compound scraper: rounded scraping edge on the distal end of a blade, and concave scraping edge on side. Classic semi-convergent steep retouch on end. Left margin lightly retouched; (?) facettled butt. Light grey flint.
- 19.16 End scraper (?): rounded scraping edge on the distal end of a damaged blade. Classic, but shallow retouch (possibly scale-flaking). Light marginal retouch. Opaque grey-white flint.
- 19.17 End scraper: straight scraping edge on the distal end of a flake. Classic (but somewhat irregular) steep retouch; slight step fracturing on the edge. Both margins show parallel inverse retouch, and there is a small semicircular notch on the right margin near the scraping edge. Dark

grey flint.

- 19.18 End scraper and (?) point: rounded scraping edge on the distal end of a transversely truncated blade. Non-specialized steep retouch; edge heavily worn. Point, also worn, on right corner of scraping edge, and seemingly part of scraping edge. Light, alternate edge retouch on right margin and heavier retouch and wear on left (truncated). dark grey flint; corticed.
- 19.19 End scraper: straight scraping edge on the distal end of a corticed flake. Non-specialized steep retouch. Both margins show medium, irregular retouch, the concave edge being crudely bifacially worked. Dark grey flint; light patina.
- 19.20 Double end scraper: pointed scraping edge on the butt end of a large corticed flake; classic medium steep retouch, worn. The distal end of the flake (which would have provided an excellent scraper edge) has been lightly worked with non-specialized retouch. The right margin also shows irregular sporadic serrations. Light grey mottled flint; lower part patinated.
- 19.21 Compound scraper: straight and pointed edges; the pointed scraping edge is on the side of a broad truncated flake. Classic, medium steep retouch, edge crushed. The straight edges on the margins of flake also have classic steep retouch, and seem to have been intended as scraping edges. There are two small semicircular notches, one immediately adjacent to the pointed scraping edge, and the other opposite it. Patinated.
- 19.22 Side scraper: rounded scraping edge on the side of a large corticed flake. Classic, medium retouch. Edge crushed. (?) Facetted butt. Dark grey mottled flint; light patina.
- 19.23 Small end scraper: irregularly rounded scraping edge on a corticed flake with non-specialized steep retouch and light step fracturing on edge. Dark grey flint.
- 19.24 Small scraper: rounded scraping edge on a thermal flake; truncated; classic steep retouch and slight step fracturing on edge. Dark grey flint; cortex.
- 19.25 Small (?) double end scraper: straight scraping edge on distal end of an irregular flake. Classic steep retouch,

- light retouch on butt end. Light brown flint; old patinated scars on dorsal surface.
- 19.26 Small end scraper: rounded scraping edge on a very small flake. Classic steep retouch; slight step fracturing on edge. Right margin shows inverse edge retouch. Dark brown-grey flint.
- 19.27 End and side scraper: scraping edge (retouched from alternate faces) on a thermally fractured piece of flint. Non-specialized irregular retouch, with slight step fracturing on part of edge. The retouch continues along both sides (partly inversely) to wider end. Light grey-brown flint; corticed.
- 19.28 Concave scraper: classic steeply retouched concave scraping edge on the side of a corticed flake. The distal end of the flake has a scraper-like profile and light, non-specialized retouch for a short length. Right margin shows sporadic retouch. Dark grey flint; light patina.
- 19.29 Concave scraper: classic steeply retouched concave scraping edge on the side of a corticed flake with an exceptionally wide butt. Dark grey flint.
- 19.30 Concave scraper: keeled sectioned flake (truncated) with a steeply retouched wide shallow notch; the retouch continues along the edge of the flake. The opposite edge has been irregularly retouched from alternate faces and is very slightly concave. There is considerable step fracturing on all edges and wear on the left edge. The butt end has been modified by retouch. Dark grey flint.
- 19.31 Notched flake: small semi-circular steeply retouched notch on the corner of the distal end of a squat corticed flake. Dark grey flint, corticed; light patina.
- 19.32 Notched flake: steeply retouched semi-circular notch towards the distal end of a large corticed flake. The retouch continues along the edge of the flake. Dark grey flint; notch patinated.
- 19.33 Notched flake: two adjacent semi-circular notches on side of a truncated flake near the butt end. The lower and larger notches has medium steep invasive flaking which modifies the bulb of percussion. Edges of notch crushed. Patinated and corticed.
- 19.34 Notched flake with a serrated edge: small semi-circular notch at end (near butt) of serrated edge on a largely

corticed flake.

- 19.35 Spurred implement on a squat truncated flake. The spur projects from a steeply but crudely retouched scraper-like edge. Dark grey flint; corticed; light patina.
- 19.36 Piercer. A leaf-shaped flake has light but steep and partially bifacial retouch on both edges forming an elongated and sharp point. Patinated.
- 19.37 Piercer. Medium steep retouch on edges of a leaf-shaped flake forming an elongated rounded point. The two small shallow inversely worked semicircular lateral notches serve to offset the point, rather than having another functional purpose. Opaque greeny brown flint.
- 19.38 Piercer: short sharp point on a squat flake projecting from a steeply retouched edge (cf no 35). Dark grey brown flint.
- 19.39 Piercer on the distal end of a leaf-shaped blade; a short sharp point, lightly retouched and offset by two small notches. Patinated.
- 19.40 Piercer on the side of a transversely truncated blade, formed by steep retouch. Wear on point. The opposite margin has light edge retouch, and the butt end has been trimmed. Opaque grey flint.
- 19.41 Piercer. Wide short point or projection on the side of a flake formed by extensive regular retouch in the concave areas on either side of it. Dark grey-brown flint; corticed; light patina.
- 19.42 Piercer, formed by steep retouch on the left edge of a thermally detached corticed flake, and flatter lighter retouch on the right edge. Brown flint.
- 19.43 Piercer; on an irregular, thermally shattered piece of flint of keeled cross-section. The point is formed by light edge retouch on three sides of a triangular sectioned part; it is crushed and there is some spalling on the ventral face. Grey flint; corticed.
- 20.44 Serrated edge (concave) on a thick irregular flake (truncated). Dark grey mottled flint; corticed.
- 20.45 Serrated edge (straight) on a large blade. The denticulations on the lower part of the edge are more pronounced than elsewhere. There is extensive retouch on the opposite edge and on the distal end, and heavy wear. Patinated.

- 20.46 Transverse angle graver (Froom 1976, Gp 3): single graver facet struck from the butt end of a flake which has been transversely truncated by steep retouch. Minimal sporadic retouch on the other edges. Mottled grey flint.
- 20.47 Obliquely truncated blade: the left edge of a blade has been obliquely truncated by steep retouch. Patinated.
- 20.48 Obliquely truncated blade (damaged): a large leaf-shaped blade with steep regular retouch on oblique right edge towards distal end. Left margin shows light retouch. Grey flint; patinated.
- 20.49 Obliquely truncated blade: small leaf-shaped flake with steep trimming on right edge near distal end. Patinated.
- 20.50 Obliquely truncated blade: formed by steep slightly invasive retouch on right edge of leaf-shaped flake, and light but steep retouch on left side. Butt retouched. Brown flint.
- 20.51 Obliquely truncated blade on an irregular corticed flake formed by steep trimming on the right edge, and flat flaking on the point. The corticed edge also shows sporadic but regular retouch. Dark grey flint; light patina.
- 20.52 Obliquely blunted point on an irregular leaf-shaped flake with light steep retouch on both edges forming the point. Dark grey flint; cortex and patina.
- 20.53 Micro-burin (?): small corticed flake with snapped, inversely worked notch. Dark grey flint. Patinated.
- 20.54 *Petit tranchet* arrowhead (Clark 1934, Class A) or possibly a microlithic trapeze. Both sides steeply retouched; cutting edge shows regular squilling. Brown grey flint; corticed.
- 20.55 *Petit tranchet* arrowhead (Clark Class A), steeply blunted on both transverse edges. Brown grey flint; corticed.
- 20.56 Transverse arrowhead of chisel-ended type (Clark Class B). One edge has been partially steeply retouched from both faces to remove the bulb of percussion. The other edge has lighter regular retouch. The transverse edge has been damaged. Brown grey flint.

- 20.57 Transverse arrowhead of chisel-ended type (Clark Class C), damaged, sides bifacially worked with flat flaking. Light brown-grey flint; patinated.
- 20.58 Barbed and tanged arrowhead, of ogival outline and with obliquely trimmed square ended barbs damaged in antiquity (break patinated). Green's Conygar Hill type. One face has been retouched all over, but the other face has only edge retouch, the original scar being left unworked. Heavy white patina.
- 20.59 Small barbed and tanged arrowhead of ogival outline; Green's Sutton B type, one barb broken and the other damaged, but probably originally square ended. Irregularly flaked all over both faces. Light grey flint.

ABBEY LANE

- 20.60 Core, probably single platform (Clark Class Aii), but thermally shattered. Truncated, heavily patinated scars indicate earlier use also as core. Dark grey flint; some cortex.
- 20.61 Core with two platforms at an angle (Clark Class Bii) one of which truncates a previously worked third face. Mid-grey flint; cortex.
- 20.62 Blade (broken) with a trimmed or faceted butt, probably struck from a core with prepared edge or possibly a core scraper. Left edge has been inversely worked. Mid brown-grey flint; cortex.
- 20.63 Core-rejuvenation flake; struck at an angle to platform to remove its edge for new core face. Mid brown flint; light patina.
- 20.64 Core-rejuvenation flake, struck to remove edge of old platform, presumably to provide new working face. Some step-fracturing at butt end. The edges of the flake have been retouched, the left margin alternately, the right one inversely on the lower part. Dark brown-grey flint.
- 20.65 Core-rejuvenation flake of plunger type, removing apex of core. Distal end steeply retouched to form concave area. Grey mottled flint; cortex.

- 20.66 Edge dressed blade. Steep retouch on both edges of broken blade; ? knife. Mid brown flint.
- 20.67 (?) End scraper on broken blade. Narrow rounded working edge steeply retouched by removal of parallel small blade-like flakes. Some step fracturing on edge. Dark brown-grey flint; cortex.
- 20.68 End scraper on small flake. Straight working edge steeply retouched. Slight step fracturing. Butt end faceted. Mid grey-brown flint; cortex.
- 20.69 End scraper (or knife) on broad flake; straight working edge with medium steep retouch. Some step fracturing particularly on projecting parts. Sporadic retouch on other margins of flake. Mid brown-grey flint; some cortex.
- 20.70 Scraping edge on distal end of flake with an immediately adjacent inversely worked lateral notch, and marginal retouch. The scraping edge is straight and steeply retouched, with some step fracturing. Mid brown-grey flint; cortex.
- 20.71 End and side scraper on short flake. The scraper retouch is of convergent pattern and continues from the distal end onto the side of the flake forming a rounded contour. Possibly reworked. Considerable step fracturing on projecting areas where it is rubbed almost smooth. Mottled grey flint; some cortex.
- 20.72 End and side scraper on large flake. The scraper retouch continues from distal end onto side of flake forming a rounded pointed contour. The retouch is steeper at the distal end than on the sides. There is some step fracturing and in some areas the edge is rubbed almost smooth. The retouch on the left side continues inversely onto the butt end of the flake modifying it. Platform probably faceted. Mottled grey flint; some cortex.
- 20.73 Side scraper on a thick flake with a prominent bulb of percussion and wide striking platform. The retouch is invasive, meeting at a ridge, and is somewhat core-like. The edge has been trimmed, and there is some step fracturing. Mid grey flint; cortex.

- 20.74 Disc scraper. Rounded scraping edge formed by medium steep invasive almost scale-like flaking around three quarters of circumference of thick flake. Slight step fracturing. Mottled grey flint; some cortex and light patina.
- 20.75 (?) Scraper. The butt end of a squat flake has been truncated by steep retouch to form a straight, scraper-like edge. Dark grey flint; light patina.
- 20.76 (?) Scraper. Side of flake has been inversely worked to form a straight scraper-like edge. Mid grey-brown flint; some cortex.
- 20.77 (?) Scraper. Large thermally detached flake with steeply retouched scraper-like edge, forming a straight contour; some step fracturing, sporadic retouch on remaining edges of flake; could be damage. Grey flint; cortex.
- 20.78 Concave scraping edge on thermally fractured flake. Working edge steeply retouched; some step fracturing. Dark brown flint; some cortex and old patina.
- 20.79 Concave scraping edge on squat flake; inversely worked. Some additional marginal retouch. Dark brown-grey flint; cortex.
- 20.80 Concave scraping edge on blade. Working edge steeply flaked, partly invasive. Some step fracturing on edge. Opposite edge lightly retouched with some flaking on bulbar face; butt modified. Mid grey-brown flint.
- 20.81 Semi-circular notch on side of blade. The notch is steeply and inversely worked; the retouch continues on a dorsal face. Light flattish edge retouch on opposite side. Mid grey flint.
- 20.82 Semi-circular notch on side of blade-like flake. Notch steeply and inversely worked with steep scraper-like retouch (with step fracturing) continued onto distal end on dorsal face. Dark grey flint; cortex; light patina cut through by retouch.
- 21.83 Spurred implement. Large flake with sharp spur projecting from shallowly retouched scraping edge. Sides of flake also retouched - the right one steeply - and there is some spalling on the bulbar face. The butt end has also been modified by irregular steep

- retouch, Mottled grey flint; cortex.
- 21.84 Spurred implement. Flake with small spur on distal end offset by two notches. Right edge inversely worked with much step fracturing. Light grey mottled flint.
- 21.85 Piercer. Small flake with point on distal end offset by two small notches. Grey flint; cortex; light patina.
- 21.86 Piercer. Distal end of flake lightly retouched point. Mid grey flint.
- 21.87 Awl. Point on side of flake retouched from alternate faces. Mid brown flint.
- 21.88 Dihedral graver(Froom 1976, Gp 2). There are three facets on one face and one on the other. Mid grey flint; cortex; old patina.
- 21.89 Oblique angle graver (single facet) (Froom 1976, Gp 3). Distal end of blade truncated obliquely with steep retouch. Right edge also has regular steep edge retouch.
- 21.90 Truncated blade. Distal end of small blade obliquely truncated by steep retouch. Butt end damaged by burin-like blow; this is probably accidental as it cuts through the light patina which otherwise covers the whole blade. Mid brown flint; light patina.
- 21.91 Truncated blade with notch. Distal end of blade obliquely truncated with small notch on opposite edge. Inverse edge retouch on left edge. Mid brown flint; slight cortex.
- 21.92 Truncated blade. Distal end of blade truncated and retouched to form a concave area. Mid grey flint; trace of cortex.
- 21.93 Truncated blade. Butt end of blade obliquely truncated by abrupt inverse retouch. Light retouch or utilization on other edge. Mid brown flint.
- 21.94 (?) Micro-burin mis-hit. Distal end of blade snapped immediately above small notch. Retouch on distal end and inversely on one side. Mid brown-grey flint, some cortex.
- 21.95 (?) Unsnapped micro-burin. Blade with inversely worked asymmetric notch near butt end, and retouch on opposite edge. Distal end also retouched. Mid brown-

grey flint.

- 21.96 Arrowhead of *petit tranchet* derivative type possibly of oblique form. Butt end of blank corticed and damaged, and there is some damage on cutting edge. The other two edges are bifacially worked. Mottled grey flint.
- 21.97 Pick. Heavy pointed object made by steep retouch on both sides of a thick thermally detached flake. Mottled grey flint; some cortex.
- 21.98 (?) Adze sharpening flake. Small flake struck across the edge of a bifacially worked object. Mid brown-grey flint.
- 21.99 *Tranchet* adze of unequal lozenge cross section. Retouch from both edges meets at a central ridge on one face, but is more diffuse on the other. The cutting edge is formed by transverse blows from both faces; and the point of percussion has been flaked away on both sides. The butt end is partly steeply retouched and partly unworked, leaving a naturally fractured surface. Mid brown-grey flint; light patina.

BATTLE DITCHES 1959

- 21.100 Multiplatform core with two ordinary platforms and three keeled edges. These edges have much step fracturing on them, possibly resulting from use as a chopper or hammerstone. Mottled grey flint.
- 21.101 Denticulate: part of a large flake with five teeth, on its distal end and side, each formed by the removal of several spalls. There is flatter retouch on the lower part of the blade, and steeper retouch on left side of distal end. Dark grey flint; light patina (cut into by some of the retouch); cortex.
- 21.102 Piercer on a thermal flake. Point formed by invasive retouch. Some step fracturing on the edges and point with some spalling on the ventral face. The butt end has also been modified by flaking and the edges have some retouch. Dark grey flint; weathered cortex.

CEMETERY EXCAVATION 1876

- 21.103 Fine spherical hammerstone, probably once abraded all over, but it has been burnt and much of the original surface damaged. It now weighs 235 gm.
- 21.104 Core with a large area of cortex; slightly patinated. Flakes have been struck from a keeled platform and a plain platform.
- An area of cortex has been abraded, possibly in use as a hammerstone. The existing flake beds are mainly of short squat removals (20-25 mm) but 'fossil' scars of larger blade-like flakes are also present. It weighs 100 gm.

SECTION 2 CATALOGUE OF THE PREHISTORIC AND ROMAN MATERIAL OTHER THAN
FLINT FROM S R BASSETT'S EXCAVATIONS

by P J Drury

ELM GROVE

NEOLITHIC

FEATURE 156

Fig 22.1 Early Neolithic simple rolled-over rim in a rather soft, crazed, abraded orange-brown fabric containing much crushed flint in fragments up to 2 mm in diameter. This was the most common rim form (B) at Broome Heath, Norfolk (Wainwright 1972, 77).

Not illustrated: two body sherds, much abraded, in a similarly coarse fabric (fill 3), and four other flint-tempered sherds (fill 1), rather thicker and containing more crushed flint than Fig 22.1, but with a similar friable texture.

All the material from F156 is likely to belong to the Neolithic period, but closer dating is impossible; Fig 22.1, to judge from its weathered condition, could well be residual.

EARLY IRON AGE

VARIOUS FEATURES

22.3 A small, abraded rim sherd in a hard, dark grey-brown fabric with brownish surfaces, tempered with much finely crushed flint. It may once have been burnished; from F3. The fragment seems likely to be of early Iron Age date, from a bowl similar to material from Linton (Cambs), in particular Fell 1952, fig 2.4.

Another sherd from F178 (fill 3) seems to be from the junction between the rim and shoulder of a vessel similar to Fell 1952, fig 4.24. Cunliffe has suggested a 5th to 3rd century date range for vessels of this type, which fall within his Darmsden-Linton group, widely distributed over East Anglia (Cunliffe 1974, 39, figs A11 and 3.4).

A date centred on the 5th century now seems likely (Drury 1978a, 74). Body sherds in similar flint-tempered fabrics, and of pre 1st century BC,

probably early Iron Age, date came from F15, F56 (fill 2), F173, F178 (fill 1, x 1; fill 2, x 1, v small), F183, F194, F196 (fill 1, x 3; fill 2, x 2; fill 3, x 1), F209 (x2).

- 22.4 Carinated bowl fragment in a hard, dark grey, finely sand-tempered fabric containing occasional flint fragments; brownish-grey surfaces, once burnished externally. The drawing is based on c. ten fragments from F196, fill 1 (and one from fill 2); another fragment of the rim came from F180. Such bowls are typical of Cunliffe's Darmsden-Linton group; a close parallel for this example is known from Darmsden itself (Cunliffe 1968, 185, fig 2.4). Also from F180 is a sherd from the plain, slightly convex, shoulder of another bowl similar to Cunliffe 1968, fig 2.8. Body sherds in similar fabrics came from F175 and F196, fill 2.

LATER IRON AGE

FEATURE 209

- 22.5 Jar in a dark grey sand-tempered fabric, with a line of stab holes above horizontal combing. In form, it belongs to Rodwell's Group IIa of early Belgic coarse pottery, and compares closely with an example from Great Chesterford (Rodwell 1976, fig 16. 14-18, esp 18). Similar vessels occur at Wheathampstead (Wheeler & Wheeler 1936, pl LI. 18-19) and Grubs Barn, Welwyn, Herts (Rook 1970a, discussed in Rodwell 1976, 236). Rodwell (1976, 225) notes that where it is significantly stratified the form is normally found without any admixture of Gall Belgic imports or copies, and occasionally without other Aylesford-Swarling types. It is rare at Verulamium, occurring only sparsely in the primary levels (Wheeler & Wheeler 1936, fig 9.2 and 151-2). A date before the end of the 1st century BC is thus probable. An early date is also suggested by the fabric, which is more typical of the mid 3rd to mid 1st centuries BC (cf Little Waltham, Fabric H; Drury 1978b, 58). Other sherds in comparable fabrics include one with horizontal rilling or combing (also from F209) and plain sherds up to 10 mm thick, rather soft and abraded, from F196 (x2) and F209. These

latter could be as early as the 3rd century BC, but equally may be contemporary with 22.5.

FEATURE 196

- 22.6 Everted rim of a large storage jar in a dark grey fabric containing fine sand and black flecks, probably grog; the surface colour varies from orange-brown to dark grey. This vessel also falls into Rodwell's Group II, probably Group IIC (cf Rodwell 1976, fig 16.21-6, esp 23), and finds parallels at Wheathampstead (Wheeler & Wheeler 1936, pl LI, 20, 24), and Brickwall Hill, Welwyn (Rook 1970b, figs II.8, IV.9).
- 22.7 Everted rim of a jar, fabric as 22.6
- Not illustrated:* sherd of combed jar in fabric similar to 22.6; light brown surfaces, vertical combing.
- Many body sherds in fabrics similar to 22.6-7.

VARIOUS FEATURES

Body sherds in fabrics essentially similar to Fig 22.6-7, and of 1st century BC to mid 1st century AD date, were present in F155 (sharply carinated), F170, F177, F178 (x4, one partially combed), F180 (x2), F209, and F300, fill 2. From F190, probably of late Iron Age date, came what appears to be half of a cylindrical iron ferrule 16 mm in diameter and 10 mm wide.

ROMANO-BRITISH

FEATURE 209

Samian ware (all from fill 1: kindly identified by Dr W J Rodwell):

- | | |
|--------------------------------------|------------------------------|
| f.29 South Gaulish (La Graufesanche) | Pre-Flavian |
| f.37 ?? South Gaulish | Probably late 1st century AD |
| f.33 Base/wall angle, probably | |
| Central Gaulish, burnt | Antonine |
- All were small fragments.

Coarse wares were as follows:

- 22.8 Abraded sherd of flagon in off-white fabric with reddish-brown flecks; deep brown colour coat. Fill 2. Nene valley, probably late 3rd century.
- 22.9 Jar rim in hard grey sandy fabric, once slip-coated;

- 3rd-4th century. Fill 2.
- 22.10 Jar rim in fine light grey fabric, light grey-brown surfaces once burnished. Fill 2.
- 22.11 Bowl in fabric as 22.10 but retaining a near-black burnished finish. 2nd-3rd century.
- Not illustrated:* sherd of a Northamptonshire mortarium, in a hard cream fabric with angular black ironstone trituration grits. The normal form found in Essex has a more or less horizontal fluted ledge below a prominent bead *Rom Col* ff500, 503 (Hull 1958) dated 3rd century and 3rd-4th century (?) respectively. In Chelmsford they seem to be characteristic of the 3rd century.

OTHER FEATURES

Single body sherds probably of 2nd to 3rd century date came from F138, F175, F196 (one, abraded, probably intrusive), and F300.

CASTLE MEADOWS

TRENCH C

Twenty flint-tempered sherds and two sand-tempered sherds, all very small and generally abraded, were recovered from the subsoil. All were similar in fabric to the range of early Iron Age Darmsden-Linton style material found at Elm Grove; a single small rim sherd, similar to Fig 22.3, was also present. A small grey sherd from F109 is probably Romano-British, and a fragment of a Romano-British *imbrex* tile was found in L96.

TRENCH A

Medieval levels produced six residual sherds of flint-tempered pottery similar to that from Trench C, and a fragment of probably Romano-British tile.

'ROSE & CROWN' HOTEL

- 22.2 Late Neolithic Grooved Ware sherd in a rough black fabric with orange to red exterior surface; tempered with much crushed flint in fragments up to 12 mm long.

There is scored decoration on the exterior, but too little survives to attribute the sherd to a particular substyle. From the ditch Fl.

Not illustrated: Single sherds of pre-Belgic (sand-tempered), 'Belgic' (abraded rim similar to, but slightly smaller than Fig 22.6), and Romano-British (1st-2nd century grey ware) pottery, all in residual contexts.

SECTION 3

CATALOGUE OF THE ILLUSTRATED MEDIEVAL POTTERY

by C M Cunningham

EXCAVATIONS AND RECORDING 1876 - 1937

(Only variations from the normal fabric, described in section 4.1 in the main text, are noted in the catalogue entries.)

1876 EXCAVATIONS

A HANDMADE

Fig 42.1

Maxey-type vessel with pierced lug

B ST NEOTS WARE

- 42.2 Inturned rim of small bowl
- 42.3 Bifid rim of cooking pot
- 42.4,5 Bowls: 42.4 is carinated, with fingering along the shoulder
- 42.6 'Developed St Neots ware' bowl with sagging base, reddish-brown in colour

C THETFORD-TYPE WARES

- 42.7 Rim of large cooking pot with internal beading and characteristic rilling
- 42.8 Rim of unusual form, flanged, with light criss-cross incised decoration on top of the rim, but in the common fairly fine grey fabric
- 42.9-11 Fragments of storage jars:
 - 42.9 Strap handle with an applied, finger-impressed, central strip
 - 42.10 Handle with two rows of stamped impressions
 - 42.11 Body sherd decorated with applied strips and incised patterns

D LOCAL EARLY MEDIEVAL WARES

Group I Untempered thin-walled cooking pots

- 42.12 Externally blackened rim
- 42.13 Upper body and rim with horizontal grooves
- 42.14 Very sparse shell content. The rim does not join to the body, but is presumably from the same vessel; blackening around base
- 42.15 Decorated rim, expanded externally, with heavy finger-tipping on inside

- Group II Sand- and shell-tempered thin-walled cooking pots
- 42.16 Sagging base and lower body with wavy incised decoration
- 42.17 Incised decoration on body
- 42.18 Light finger-tip impressions on exterior of rim

- Group III Sand-tempered thin-walled vessels
- 42.19 Cooking pot
- 42.20 Plain, shallow, flat bowl, knife trimmed

- Group IV Sandy thick-walled vessels
- 42.21 Jug or storage jar; rim thickens towards a handle.
Upper body, top of rim, and inside neck are all richly
decorated with incised wavy lines
- 42.22 Neck of decorated cooking pot, with horizontal bands of
wavy combed decoration
- 42.23 Stabbed rim of cooking pot

- Group V Ungrouped early medieval wares
- 43.24 Part of stabbed handle, with a grey core and light brown
sandy surfaces, with a partial greenish glaze

- Cooking pots:
- 43.25 Hard, brown sandy fabric. Wavy incised decoration on
top of rim and inside neck
- 43.26 Grey, sandy fabric. Thumbing on outer edge of rim
- 43.27 Light fingering on top of rim; hard, light grey fabric
containing much medium/coarse sand
- 43.28 Coarse, dark grey, gritty fabric, with thumbled rim
- 43.29 Rim with sandy orange surfaces, grey in places
- 43.30 Large greyware rim with combed decoration
- 43.31 Developed hard greyware rim, 13th century
For discussion of date, see p 83.

CONTRACTORS' WORKS 1936-7

A HANDMADE

- 43.32 Simple Maxey-type rim sherd, presumably contemporary with
42.1
- 43.33 Rim of fairly large handmade but well finished Maxey-
type cooking pot

B ST NEOTS WARE

- 43.34-38 Typical cooking pot rims
 43.39 Heavily inturned rim
 43.40-42 Bowls: 43.41 is decorated with an applied fingered strip, and a raised strip on the shoulder

D LOCAL EARLY MEDIEVAL WARES

Group II

- 43.43 Rim of cooking pot with indication of incised design on lower body

GROUP V

- 43.44 Rim of cooking pot with light thumbing inside rim.
 Hard, coarse, grey fabric
 43.45 Rim and body of cooking pot, 13th century form, showing wheelmarks. Fairly smooth, brown micaceous fabric
 43.46 Shallow knife trimmed bowl, in hard, coarse, dark grey fabric

CASTLE MEADOWS 1911

- 43.47-48 Rims of hard greyware cooking pots, 13th century

Not illustrated: Two body sherds of St Neots ware
 Two body sherds of hard greyware
 Three body sherds of glazed orange ware

EXCAVATIONS AND RECORDING 1972-8

All sherds described in this section, unless otherwise stated, are local early medieval wares, Group V (p 83 above) or 13th century developments of them.

CASTLE MEADOWS 1973

All are from recent subsoil layers.

COOKING POTS

- Fig 44.49 Light fingering on inside of rim; grey core with coarse brown sandy surface
 44.50 Light fingering on outside of rim; quite fine sandy greyware
 44.51 Heavy thumbing on rim; grey, gritty fabric

OTHER VESSELS

- 44.52 Fragment of handle, grey core with brown sandy surfaces
 44.53 Traces of glaze on exterior, and two grooves under rim;
 grey core with brown sandy surfaces. Possibly 13th
 century

'ROSE & CROWN' HOTEL 1972

- 44.54 Rim of cooking pot, expanded, with thumbing on outer
 edge; light greyish core with light brown sandy surfaces
 containing many small round grits, producing an uneven
 texture
 44.55 Rim of cooking pot; fabric similar to 44.54. F8
 44.56 Rim of cooking pot; grey core with brown gritty surfaces.
 Fl4
 44.57 Small body sherd of sandy greyware with combed decoration.
 From residue of ploughsoil

THE CINEMA-MALTINGS SITE 1973

- 44.58 Fragment of rim, with smooth grey surfaces, but
 containing small grits. F.1.II/3
 44.59 Almost complete cooking pot, with sagging base. Fabric
 is very light grey and sandy, containing a small quantity
 of chalk; interior surface is rough and friable, and
 exterior shows much burning. F2
 44.60 Part of strap handle; gritty fabric with light grey
 core and light brown surfaces. Unglazed. F2
 44.61 Rim of jug, partially glazed, in light orange, very
 pimply fabric; 13th century. F2
 44.62 Fragment from thumbled rim of cooking pot; fabric is
 hard and gritty with light grey core and buff surfaces.
 From a modern pipe trench

BARNARD'S YARD SITE 1975

- 44.63 Rim of 'developed St Neots ware' vessel. Fill 5
 44.64 Simple, thickened cooking pot rim with internal hollow;
 brown, hard, sandy fabric with grey surfaces; 11th
 century? Fill 5
 44.65 Finger-impressed body sherd with wavy combed decoration;
 sandy fabric with grey core, orange surfaces, and dark
 grey finish. Fill 5

- 44.66 Fragment of thumbled cooking pot rim; grey core with sandy brown surfaces and a little crushed shell. Fill 5
- 44.67 Similar to 44.66, but with brown, gritty fabric, blackened on outside. Fill 5
- 44.68 Rim with slight internal hollow; hard, sandy, buff-coloured fabric. Fill 5
- 44.69 Rim fragment; grey core with orange-brown sandy surfaces, containing a little shell. Fill 5
- 44.70 Hard, sandy rim with grey core and orange surfaces. Fill 5
- 44.71 Knife trimmed rim in smooth, orange, sandy fabric. Fill 5
- 44.72 Pimply fabric, with a grey core, orange surfaces, and brown finish; 12th or 13th century. Fill 5
- 44.73 Smooth, hard, sandy fabric with slight traces of shell; interior surface is pink, and exterior is blackened. Fill 5
- 44.74 Rim and upper body of large cooking pot; fabric is hard and sandy, with a little shell; grey core, orange surfaces, and externally blackened. Fill 5
- 44.75 Rim of large bowl, knife trimmed, with light thumbing on top of rim in places; grey core, orange sandy surfaces. Fill 5
- 44.76 Rim of large bowl; hard grey pimply ware. Fill 5
- 44.77 Body sherd from cooking pot with diagonal applied strip; hard sandy fabric. Fill 4
- 44.78 'Developed St Neots ware' rim. Fill 3
- 44.79 Thumbled rim with grey core and brown surfaces, very gritty. Fill 3
- 44.80 Sandy fabric with grey core and orange surfaces. Fill 3
- 44.81 Abraded rim fragment with horizontal grooves; sandy fabric with small grits, grey core, and orange surfaces. Fill 2
- 44.82 Rim of cooking pot with combed decoration. Local early medieval ware, sub-group IV. Fill 1
- 44.83 Fragment from 'pie-crust' rim, grey fabric with sand and small round grits. Fill 1
- 44.84 Rim, partly and lightly thumbled on inside edge; smooth, hard, and sandy, light grey in colour. fill 1

HIGH STREET/ABBEY LANE 1978

- 44.85 Thin-walled cooking pot with sagging base and a thickened

and slightly everted rim; local early medieval ware, sub-group II. Surfaces are vesiculated in places with much external blackening. Fl

ELM GROVE 1972-73

Nos 86-96 from F300/301, 97-8 from the ploughsoil

- 44.86 Hard, sandy, grey fabric with light brown surfaces
- 44.87 Grey core with light brown, pimply surfaces
- 44.88 Rim of jug in a hard, cream-coloured fabric, filled with sand and small grits; exterior painted with beige slip. Possibly Surrey ware
- 44.89 Fine, hard, gritty, light grey fabric
- 44.90 Grey core, smooth orange-brown surfaces; contains a little crushed shell
- 44.91 Hard, reddish-brown, sandy fabric with small grits and all-over cream wash
- 44.92 Grey core with brown sandy surfaces
- 44.93 Well fired, light grey and sandy, with all-over grey wash
- 44.94 Well fired, hard, grey fabric with pimply surfaces and light grey wash
- 44.95 Grey-brown sandy fabric
- 44.96 Body sherd with applied combed strip and incised decoration. Hard, well fired, sandy fabric with brown core and grey surfaces
- 44.97 Light grey, gritty fabric
- 44.98 Spigot hole of pitcher, with a thumbled, applied collar; coarse orange earthenware

SECTION 4 THE ANGLO-SAXON POTTERY IN THIN-SECTION: METHOD AND
DETAILED RESULTS

by J S F Walker

Two Anglo-Saxon sherds were submitted for petrological examination. They were cut and mounted following normal geological procedure.

The occurrence of mineral inclusions counted by the use of a Swift point counter with an initial accuracy of $\pm 1\%$, and estimates of roundness and sphericity of the inclusions were made using charts provided by Rittenhouse 1943 and Krumbein 1941 respectively.

SHERD 1: CINEMA-MALTINGS, *magnum fossatum*, F1

<i>Inclusions</i>	<i>As % of fabric</i>	<i>As % of total inclusions</i>
Plagioclase felspar	7.92	30.00
Microcline felspar	0.33	1.25
Quartz	9.24	35.00
Poly-crystalline quartz	1.98	7.50
Meta-quartzite	0.33	1.25
Calcite	2.64	10.00
Biotite mica	1.32	5.00
Limestone?	1.32	5.00
Muscovite mica	0.66	2.50
Zircon	0.33	1.25
Apatite	0.33	1.25
Maximum grain size 2.05 mm		
Roundness 0.3		
Sphericity 0.77		

SHERD 2: ELM GROVE, DITCH F300, FILL 2

<i>Inclusions</i>	<i>As % of fabric</i>	<i>As % of total inclusions</i>
Quartz	8.20	32.82
Quartzite sandstone	10.47	41.90
Ferruginous sandstone	0.88	3.54

SHERD 2: ELM GROVE, DITCH F300, FILL 2

<i>Inclusions</i>	<i>As % of fabric</i>	<i>As % of total inclusions</i>
Iron (Haematite)	1.77	7.09
Limestone	0.88	3.54
Burnt vegetable matter	2.77	11.09
Maximum grain size	0.61 mm	
Roundness	0.6	
Sphericity	0.85	

SECTION 5 TABULATED DATA FOR ANIMAL BONES FROM S R BASSETT'S
EXCAVATIONS

by R M Luff

TABLE M1 NUMBER AND PERCENTAGE COUNTS OF BONE FRAGMENTS

	IA/RB		12th-13th cent		13th cent		13th-14th cent	
	NUMBER %		NUMBER %		NUMBER %		NUMBER %	
<i>bos</i>	145	96	22	88	30	61.2	37	40.2
<i>ovis/capra</i>	5	3.3	3	12	12	24.5	46	50
<i>sus</i>	1	.7			7	14.3	9	9.8
<i>canis</i>					1			
<i>gallus</i>					1		1	
<i>equus</i>					2			
<i>felis</i>							2	
<i>cygnus</i>							1	
<i>vulpes</i>							1	
unidentified frags	82		10		4		2	

TABLE M2 MINIMUM NUMBER OF ANIMALS

A - Adult J - Teeth not fully erupted/epiphyses not fused

	IA/RB	12th-13th cent	13th cent	13th-14th cent
<i>bos</i>	2A+3J (1, 18mths; 2, 6-9mths)	2A + 1J (30mths)	1A+3J (2, 30mths; 1, 6-9mths)	1A+1J (2-2½yr)
<i>ovis/capra</i>	1A+1J (30mths)	1A	1A+1J (2½-3yr)	2A+2J (2, 1½- 2yr)
<i>sus</i>			1A+1J (3½yr)	1A+1J (1yr)
<i>equus</i>			1A	

TABLE M3 MEASUREMENTS

BY VON DEN DRIESCH 1976; AGEING BY SILVER 1963

IA/RB

sus Lower molar 3 length 34.6

12th-13th CENTURY

bos Scapula GLP 63 LG 51.7 BG 44 SLC 46

13th CENTURY

sus Radius Bp 25

13th-14th CENTURY

ovis/capra Metacarpal Bp 20.9 SD 13.4*ovis/capra* Metacarpal Bp 21.6 SD 12 Bd 23.4 GL 109*ovis/capra* Metatarsal Bp 20.5*ovis/capra* Radius Bp 30.6 SD 15.7 GL 145*ovis/capra* Radius GL 136*ovis/capra* Humerus Bl 28 Tibia Bd 25*felis* Femur Bp 17.6 Bd 16 GL 89

TABLE M4 WITHERS HEIGHTS

BY BOESSNECK & VON DEN DRIESCH 1974

Using Terchert's factors; all 13th-14th century

<i>ovis/capra</i>	Metacarpal	GL 109	Withers height	0.533 m
<i>ovis/capra</i>	Radius	GL 136	Withers height	0.546 m
<i>ovis/capra</i>	Radius	GL 145	Withers height	0.582 m

SECTION 6 S R BASSETT'S EXCAVATIONS: INDEX OF FEATURES AND LAYERS

by S R Bassett and C M Cunningham

CASTLE MEADOWS

FEATURES

<i>No</i>	<i>Description</i>	<i>Fill no</i>	<i>Period</i>	<i>Fig</i>
1 a-j	Shallow almost parallel linear depressions		Ia	28
2	S edge of soil removal in area of keep	4, 5	Ia	25, 27
3	E edge of soil removal in area of keep	5	Ia	25, 27
4	Shallow linear depression	5	Ia	25
5	Upcast in Trench B from wall foundation trenches	7-10	Ia	29
6	Central pier in keep		I-	25
7	Diagonally cut inner edge of foundation trench for SE buttress	38,40	Ia	
8	Cut for lowest courses of spiral staircase within SE buttress	40a,b	Ia	26
9	Arched recess in S wall of keep, internal		I-	25
10	Timber-lined water tank	16-22,24-27,56	Ia	28,29,30
11	Scaffold postpit, removed by F21	28-30	Ia	25,30
12	Scaffold postpit, removed by F22	31-33	Ia	25,30
13	Scaffold postpit, removed by F23	34-37	Ia	25,30
15	? As F10, but smaller	41-46	Ia	28,29
16	Presumed cut	109-111	0/Ia	28,29
17	Quarry ditch	99-108, 112-117, 119	I	28,29
18	Mound around base of keep	47-51,53,76-94	I	27
19	Bank extending S from	56,60?	I	28,29

<i>No</i>	<i>Description</i>	<i>Fill no</i>	<i>Period</i>	<i>Fig</i>
	mound F18	95,96		
20	Chalk rampart	57-59	I	28,29
21	Removal of post from F11	61,62	Ia	25,30
22	Removal of post from F12	63,64	Ia	25,30
23	Removal of post from F13	65,66	Ia	25,30
24	Post-removal pit, ? of ancillary scaffolding	67	Ia	25,30
25	Scaffold post-removal trench?	75	Ia	25,27
26	Reduction of bank F19?	121	Ic	28,29
34	Robbing of SE buttress	146,149	III	25,26,27
35	Robbing cut	150	III	25,26
36	Robbing of spiral staircase	151,152	III	25,26
37	Robbing of encasing wall of spiral staircase	153	III	25,26
38	Robbing of base of arched recess F9	154,155	III	25
39	Robbing of outer face of Wall I	156	III	27
40	Robbing of outer face of Wall I	157	III	
42	Robbing of SE buttress	159	III	
44	Robbing of SE buttress	161	III	
45	Wide steep sided feature in Trench C	162-164	III	
52	Wide shallow hollow	171	III	26
53	Edge in Trench E	173,174	III?	28,30
54	Edge in Trench E	172	III?	28,30
55	Robbing of external face of Wall I	176-179	III	25,26
56	Palisade removal cut	180	III or IV	29
69	Double post-removal pit	199	III or IV	26
71	Post-removal pit	200-202	III or IV	27
74	Large shallow feature	204-207	III or IV	26
75	Landscaping cut		III	29
76	Landscaping cut	210-217	III	29
77	Landscaping cut	221	III	29
78	Landscaping cut		III	27

<i>No</i>	<i>Description</i>	<i>Fill no</i>	<i>Period</i>	<i>Fig</i>
79	Recent cut	219	IV	29
80	Post-removal pit		IV	

LAYERS, FIGS 26-30

1	Dk br loamy clay, rather sandy
2	V many med and s chalk lumps in a lt br loamy clay
3	V thin sandy orange mortar
4, 12	Thin sandy yellow mortar, v sparse along Wall II but far more extensive and thicker to the E
5	Many s chalk lumps in a hard br clay-loam
6	Cleanish coarse yellow mortar with tiny pebbles and flint chips
7	V thin spread of hard dirty chalk
8	Thick compacted chalk
9	Thin dirty slightly decayed chalk
10	Soft crumbly dirty slightly decayed chalk; many whole flints
11	Extensive v hard mortar, thick
13, 15	Thin but v extensive bright orange sandy mortar
14	Limited patchy hard thin light grey mortar (?)
16, 18, 21	Small trail of br sandy clay-loam
17, 22	Fairly compacted cleanish chalk lumps
19	V thick deposit of l and s chalk lumps in v loose decayed chalk
20, 24	Fairly dirty med and some l chalk lumps
23	Loose dirty chalk lumps in a little br loam
25	Lt grey soft crumbly coombe
26	Cleanish loose s and med chalk lumps
27	Dirty decayed crumbly chalk
28, 30, 31, 33	Hard buff coombe, 30 less compacted
29, 34, 36	Clean br sandy clay
32	Clean br clay
35	Thin dirty compacted chalk

37	Dirty decayed fairly compacted chalk
38a, b	As 6
39	Patches of variously mixed coarse yellow mortar, dirty chalk, and soft br clay
40a, b	Cleanish sandy golden mortar
41	Dirty crumbly chalk
42, 44	Loose chalky clay-loam with some crumbly chalk lenses
43, 45-6	Clean loose crumbly chalk, 45 with larger lumps
47	Br clay-loam; many v s chalk lumps and flecks
48, 54	Br sandy clay
49	Interleaving coarse yellow and golden mortars
50	As 32
51	As 47, but slightly lighter; ? chalk lumps
52	V thin sandy yellow mortar
53	Br clay loam; a few c and med chalk lumps
55	Thin sandy orange mortar
56	Br clay-loam
57	Clean compacted chalk
58-9	As 57, but less compacted
60	Dirty partially compacted s and med chalk lumps
61	Br clay, v chalk-flecked; many l broken flints
62	Br clay with much mortary sand; many broken flints
63	Loose mixture of dirty sand and clay
64	Hard lt br sandy coombe
65	Dirty powdery chalk
66	Loose grey sandy coombe
67	Mixed loose br sandy mortar
68	V hard sandy orange mortar with tiny pebbles; v thick in places
69	Hard thick lt grey mortar with some tiny pebbles and flint chips
70	Br clay
71	V much dirty yellow pink mortar mixed with a little loam; a few small pebbles
72	Fairly loose lt grey mortar mixed with varying amounts of chalk

73	Lt grey mortar, sandy but compact; some chalk and v many tiny pebbles; tile and brick frags
74	Loose yellowish-grey mortar, sandy but compact; a few small pebbles; tile and brick frags
75	Hard clean br clay with chalk lumps, especially to top and E
76	Fairly compact s and med chalk lumps with many lt br clay-loam lumps and smears
77-8	Fairly compact chalk lumps becoming more crumbly towards E
79, 85	Loose fairly clean chalk lumps with some br clay matrix
80	Hard br cleanish clay
81, 88, 94	Hard fairly clean chalk
82	Some s and med chalk lumps in br clay-loam
83, 90	Dirty compact s and med chalk lumps
84, 87	Mixture of chalk lumps and clean br clay
86	Lenses of chalk and br clay; very chalky at top
89	Dirty chalk
91	Fairly clean compacted chalk lumps
92	Mixed interleaving br clay-loam and dirty compact chalk
93	Chalk lumps in br loamy coombe
95	As 60
96	V many s and some med chalk lumps in a lt br chalky clay matrix
97-8	Fairly thick lumps of sandy orange mortar
99	Dirty crumbly chalk; some pockets of br clay-loam
100	Clean crumbly chalk
101, 107-8	Some s and med chalk lumps in dk br loamy clay
102	Clean crumbly s and med chalk lumps with a little lt br clay-loam
103	Mixed dirty crumbly partially decayed chalk and clay-loam
104-6	Clean ang med chalk lumps
109	Br clay-loam with many s chalk lumps
110	Dirty decayed med chalk lumps in loose clay-loam matrix

111	Dirty decayed loose chalk lumps
112	Crumbly dirty partially decayed chalk; a few loamy pockets
113	Clean v loose crumbly chalk
114, 116, 119	S and med chalk lumps in a loamy matrix; more chalk towards bottom
115	Dirty partially compacted chalk; lumps and smears of lt br clay-loam
117	Many s and some med chalk lumps in lt br clay-loam matrix
120	Compacted dirty partially decayed chalk
121	As 56
122	Grey-br clay-loam
123, 126	Many l and med flints in a decayed mortar and chalk matrix
124	Dirty v compacted chalk
125	V many l and med flints in a loose matrix of mixed clay-loam, mortar, and chalk lumps
127	Loose decayed yellow mortar; some flints and chalk lumps
128	Dk br clay-loam with s chalk lumps
129	Br chalk-flecked clay
135, 139, 142	V loose clean med and l chalk lumps
136	Many med and s chalk lumps in dk br clay matrix
137	Dk br clay-loam
138	Clean compacted chalk and chalk lumps
140, 143	As 56
141	S and med chalk lumps in a lt br clay-loam matrix
144	Clean compact chalk with lumps/smears of lt br clay-loam
145	Pounded chalk
146	Clean compact s and med chalk lumps
148	Dirty lt br chalky loam with many s and med chalk lumps
149a	Grey-br loose decayed chalk
b	As a, but cleaner
c	Loose decayed chalk and dirty golden mortar
d, f	Loose dirty s and med chalk lumps
e. g	Loose decayed mortar

150	Decayed sandy mortar
151	Loose mixture of dirty chalk, decayed sandy mortar, and br clay-loam
152	Mixed mortar and chalk lumps
153	Gravel and pebbles in chalky br loam
156	V loose dirty decayed chalk
171	Loose chalk mixed with mortar
172	Clean br clay-loam, with chalk lumps and some fine gravel
173-4	Soft buff coombe
175	Yellow gravel in a br loamy matrix
176	Compact yellow sandy mortar and gravel
177	Loose sand, s chalk lumps, and gravel
179	Mixed black loam and coombe
180	Soft black loam
199	Loose chalk with a little mortar and loam
200	Decayed chalk and some loam
201	Grey-br loam
202	Dirty coombe
208, 216	Clean compact chalk
209	As 208, but less compact or clean
210	Lt br crumuly loam
211	As 210, but looser; much shattered flint
212-4	Chalk lumps in v lt br loamy matrix, 213 less chalky
215	As 101
217	Much br loam, with loose dirty med chalk lumps
219	Quite clean compacted chalk with streaks of clay-loam
220	As 56
221	Slightly chalky loam
222	Topsoil / subsoil
223	V dirty mixture of clay-loam, mortar, chalk lumps and gravel
224	Gravel (1881)
225	Topsoil (post 1881)

CASTLE HILL HOUSE. FIG 31

- 1 Loose dirty med and l chalk lumps; no matrix
- 2 Cleanish ang chalk rubble becoming looser and dirtier to E
- 3, 5, 7, 10 Thin dk br clay-loam
- 4, 6 Loose dirty s and a few med chalk lumps in a little loamy chalk wash
- 8 Dirty decayed chalk, mainly s and med lumps, in v slightly clayey chalk matrix; to E, increasingly as 9
- 9 Loose dirty s and a few med chalk lumps; no matrix
- 11 Mixture of cleanish quite compact s and med chalk lumps; dirtier to W
- 12 Loose med and s rd chalk lumps with a slight loamy clay matrix; cleaner and with flints to W
- 13 Loose s rd chalk lumps in br clay-loam matrix
- 14 Dk br clayey loam; many s chalk lumps/smears towards centre
- 15 Dirty mainly l and med ang chalk rubble, with flints
- 16 Loose chalk lumps in a lt br chalk-clay matrix
- 17 Br chalky clay; many s chalk lumps towards centre
- 18 Loose s rd chalk lumps in a lt br clay-chalk matrix
- 19 Loose s and med chalk lumps in a slight br clay-loam matrix to E; no matrix towards centre
- 20 Loose mainly ang l and med chalk lumps; v many flints
- 21 Dirty chalk with v many med and s ang and rd chalk lumps/smears; v slight clay content towards bottom
- 22 Some s chalk lumps/smears in br chalky clay
- 23 As 21, but much less compact; v many s chalk lumps/smears

24	Some s and med chalk lumps in a lt br slightly loamy chalk wash
24a	Slightly sandy chalky loam
25	Br slightly clayey loam
25a	Br fairly compact chalky loam
26	Dk br chalky clay-loam
27	Loose dirty med and s chalk lumps; no matrix
28	Lt br chalk-loam with v many s chalk lumps/smears
29, 32, 34, 36	Dirty chalk with lumps/smears of br slightly sandy clay
30	Dirty chalk lumps
31	Lt br chalk-loam mixture; many s dirty chalk lumps/smears
33, 35	Dk br slightly loamy clay
37	Lt br chalky clayey loam, v many chalk lumps and lenses
38	As 37, but fewer chalk lumps/smears
39	V many med and s chalk lumps/smears in a grey-br clay-loam
40	Dirty med and s chalk lumps
41	Clean med chalk lumps; v many brick frags
42-3	Hard mainly clean pounded chalk; a few thin lenses of br sandy clay
44	Dirty buff slightly sandy loamy chalk
45, 47	Mixture of chalk-loam and dirty s and med chalk lumps
46	Clean med chalk lumps; streaks of lt br chalky loam
48	Clean pounded chalk
48a	As 48 with some chalky clay-loam
49	Dirty buff slightly sandy loamy chalk; many s chalk lumps/flecks
50	Fairly loose dirty pounded chalk

BARNARD'S YARD, FIG 33

1	Modern ? topsoil
2	Br clay-loam with v many ang chalk lumps

3, 5	Dk br clay-loam with many s and med chalk lumps
4	Dirty crushed chalk; a few lumps/smears lt br clay
6	Crushed chalk and ang chalk lumps; a few smears of clay
7	Lt br sandy clay; smears of coombe
8	Clean loose ang chalk lumps
9	As 8, but dirtier and more compacted
10, 13	Lt br clayey chalk with s chalk lumps, 13 less clayey
11	As 7 but darker
12, 16, 19, 23	Dirty compact s and med chalk lumps in dirty chalk matrix, 19 with coombe
14	Dirty coombe with smears of loam
15, 18	Dk br clay-loam with many smears of coombe
17, 21, 28, 30	Clean sandy coombe; a few smears of clay-loam
20	Slightly clayey bk with some lumps/lenses of coombe
22, 24, 29, 32	Br/dk br clayey-loam
25	Clean compact chalk; a few s pockets of loam
26	Br bk, clayey in places
27, 34, 37	Fairly dirty loosely compacted s and med rd chalk lumps in clean chalk wash matrix
31	S dirty decayed chalk lumps, with l and med ang lumps towards centre
33, 35	Br clayey bk; pockets of clay-loam
36	As 17, but more compacted
38	As 22, but with more loam

'ROSE & CROWN' HOTEL. FIG 36

SECTION I

1	Lt br clay-loam with v many med and s chalk lumps and v many s and some med flints
2, 4	Dirty s and med chalk lumps
3	Thin but well defined dk br loam; buried turf-line

5, 10, 12	Lt br chalky clay, 12 with less chalk
6	Dirty chalk with a little lt br clay
7	V lt br clay with v many chalk lumps
8	V many clean med and s chalk lumps
9	V lt br chalk-clay
11	Dirty decayed chalk with some lt br clay
13	Lt br clayey chalk
14	Br chalky clay with many s and med chalk lumps
15	V many l and med flints in dk br chalky clay matrix; many s and med chalk lumps to W
16	Lt br chalky clay with many s and med chalk lumps; many med and l flints towards centre
17	Dk br loamy clay with a few l flints
18	Dirty clayey chalk with v many l and med flints towards centre
19	Dirty chalk with some lt br clay and l, med, and s flints
20	V hard, solid, lt buff chalky sand
21	As 20, but with some med chalk lumps
22	Dirty chalk lumps with interleaving smears of dirty orange gravelly sand; several v l flints
23	Br loamy clay with some l and med flints
24	Clean compact chalk with some lumps/smears of br clay

SECTION III

1	Br loamy clay
2, 13, 14	Lt br chalky clay, 14 less chalky
3	Dirty chalk lumps in slightly decayed chalk matrix
4	Lt br chalky clay; buried turf-line?
5	Dirty chalk
6	Br clay-loam with many s and med chalk lumps
7, 9, 11, 19, 25	Clean chalk
8, 10	Dirty decayed chalk with a little clay
12	V many l and med flints in lt br loamy clay matrix

15, 18	Dk br loamy clay
16	Some l and med flints, with many decayed chalk lumps
17	V many l and some med chalk lumps
20	Dirty chalk with a little lt br clay
21, 23	Cleanish orange sand and clay
22, 24	Br chalky clay

CINEMA-MALTINGS, FIG 36

SECTION III

1	Clean br clay
2	Lt br clay; buried turf-line?
3	V many s and med chalk lumps in a little lt br slightly loamy clay
4, 9	Soft br sandy clay with a little loam
5	V many med and s chalk lumps/smears in a lt br sandy clay matrix
6	Soft dk br loamy clay
7	Br clay with a little sand and loam
8, 11	Hard buff coombe, chalk-flecked
10	Br clay and coombe, with many chalk lumps
12	Clean br sandy clay
13	Mixture of chalk lumps, coombe, and some br clay
14	Sandy br clay mixed with chalk
15, 18	Clean br sandy clay; buried turf-line?
16	Slightly decayed compacted chalk lumps
17	Dirty compacted l and med chalk lumps with some lumps/smears of br loamy clay
19	Compacted chalk lumps and flecks
20	Br clay; buried turf-line?
21	Thick layer of soft chalk
22	As 21, but dirtier
23	Dirty compacted chalk
24	Coombe, with much br sandy clay
25	Compacted decayed chalk wash

SECTION V

- 1 Clean br clay
- 2 Br clay with some chalk lumps/flecks
- 3 V many s and m chalk lumps/flecks in a lt
br slightly loamy chalk matrix
- 4 Clean dk br clay
- 5 Lt br v sandy clay-loam
- 6 Fairly clean clayey bk
- 7 Dk br sandy clay; buried turf-line
- 8 Compacted mixture of decayed chalk, coombe,
and s and med chalk lumps
- 9 Clean br v sandy clay
- 10, 12-13 Clean dk br clay with some loam; buried
turf-line?
- 11 Chalk mixed with some clay
- 14 Compacted chalk lumps and flecks in a little
br sandy clay
- 15, 17 V many s chalk lumps, compacted, in coombe
matrix (with a little br sandy clay)
- 16, 18, 20 Br sandy clay mixed with some coombe; buried
turf-line?
- 19 Slightly decayed chalk lumps/flecks with a
little br sandy clay
- 21 Clean compacted s chalk lumps/flecks
- 22 Clean orange-br sandy bk; some charcoal and
fired clay flecks
- 23 Dirty decayed chalk; many s and med lumps;
some streaks/smears of br clay
- 24 Compacted slightly decayed s chalk lumps
- 25 Weathered chalk interleaved with some chalky
clay
- 26 Thin br sandy clay; buried turf-line
- 27 Lumps of clean chalk in some br clay

SECTION 7 CORRECTIONS TO INTERIM NOTES ON SWARC EXCAVATIONS
IN *MEDIEVAL ARCHAEOLOGY*

by S R Bassett

L E Webster & J Cherry, Medieval Britain in 1972, *Medieval Archaeol.*, 17, 1973, 141:

It is not now thought that the linear feature (F1) sectioned on site F was a palisade trench, or that the earlier 13th century *magnum fossatum* represents the partial recutting of such a feature. The two palisades at the south end of site J were not necessarily contemporary, and the redeposited brickearth was not encased by them.

L E Webster & J Cherry, Medieval Britain in 1973, *Medieval Archaeol.*, 18, 1974, 196:

It is now no longer thought that the quarry ditch (F17) on site A may have been earlier than the ditch (F2) on site C; or that the bank on A (F19) predated the masonry keep.

SECTION 8 TABULATED DATA FOR ANIMAL BONES FROM ABBEY LANE

*by R M Luff*TABLE M5. NUMBER OF BONE FRAGMENTS BY SPECIES AND PERIOD, AND
MINIMUM NUMBER OF ANIMALS BY PERIOD

	Number of bone fragments	% main species only	Minimum number of adult animals	Min no of juvenile animals
PERIOD 2				
<i>equus</i>	9	4.8	1 (metatarsal)	
<i>bos</i>	94	50.3	6 (mandible)	1 (<3½ yrs; femur)
<i>ovis/capra</i>	50	26.7	4 (mandible)	1 (6 months; mandible)
<i>sus</i>	34	18.2	3 (mandible)	2 (6-8 mths; mandible)
<i>lepus</i>	1		1 (metatarsal)	
<i>canis</i>	9 (1 burial)			
<i>felis</i>	1		1 (humerus)	
<i>erinaceus</i>	2		1 (mandible)	
<i>gallus</i>	4		2 (tibio/tarsus)	
PERIOD 3				
<i>equus</i>	12	11.3	2 (femur)	
<i>bos</i>	53	50	1 (mandible)	1 (<2½-3yrs; radius)
<i>ovis/capra</i>	25	23.6	1 (mandible)	1 (<10 mths; humerus)
<i>sus</i>	16	15.1	2 (maxilla)	2 (<18/24-30 mths, <8/10-12 mths; mandibles)
<i>canis</i>	3		1 (tibia)	
<i>vulpes</i>	1		1 (tibia)	
<i>anser</i>	1		1 (coracoid)	

TABLE M6 MEASUREMENTS (MM)

F1 (Period 2)

	Greatest Length	Depth Proximal End	Smallest Breadth Diaphysis	Maximum Distal Breadth
Humerus	202	51.3	16.6	39.9
Tibia			15.2	26.8
Femur				38.3

			Maximum Proximal Breadth	Maximum Distal Breadth
PERIOD 2	<i>bos</i> Tibia			60.0, 58.5
"	" Metatarsal			64.6, 54.7
"	" "	46.6, 48.9		
"	" Radius	71.9		
"	<i>ovis/capra</i> Metacarpal	22.4		
PERIOD 3	" "			21.6
"	" Metatarsal			21, 21.8
"	" Radius	31.1		
"	" Tibia			24.7
"	<i>equus</i> Metatarsal III	48.0		
	<i>ovis/capra</i> Scapula Minimum	19.5	Length 29.4	
	Breadth Neck	17.5	Glenoid Cavity 24.6	

SECTION 9 LIST OF FEATURES AND LAYERS IN TRENCH A

by M R Petchey

Dimensions of features are at or from cleared level

Feature	Description	Diagnostic finds	Period
1	V-shaped ditch, 2.3 m wide x 1.4 m deep	Saxo-Norman & early medieval pottery; Rhenish lava quern frags; Roman brick & tile; frags of cob	2
2	Palisade trench, 0.3 m wide x 0.4 m deep	St Neots ware	2
4	Palisade trench, 0.48 m wide x 0.22 m deep	Saxo-Norman pottery med glass frags; nails; bronze spoon	2
5	Brick built drains and soakaway: storm water runoff for Abbey Lane		3
6	Palisade trench 0.5 m wide x 0.5 m deep	Saxo-Norman pottery	2
8	Ditch. originally V-shaped, recut to U-shaped, 1.8 m wide x 1.6 m deep	Recut: 16th-17th century tile	2
10	Modern waste pit	Paint tins	3
12	Posthole, 0.84 m x 0.15 m deep	Handmade sherds, both flint-gritted and grass-tempered	2
13	Posthole, 0.72 m dia x 0.4 m deep		?
15	?Pit, 0.9 m dia x 0.25 m deep	Late medieval & post-medieval pottery and tile	3
16	Palisade trench, 0.7 m wide x 0.25 m, deep	Saxo-Norman pottery; Rhenish lava quern frags	2

Feature	Description	Diagnostic finds	Period
17	Posthole, 0.76 m dia x 0.11 m deep	Small tile frag	?
18	Posthole, complete dimensions uncertain		?2
19	Posthole, complete dimensions uncertain		?2
20	Posthole, 0.51 m dia x 0.14 m deep		?2
21	Pit, 1.04 m dia x 0.5 m deep		3
27	Ditch, 2 m wide x 0.78 m deep		3
28	Ditch, 1.6 m wide x 0.73 m deep		3
29	Ditch, at least 1.8 m wide x 0.72 m deep	hd of William III (1700); brick, tile, and post-medieval pottery	3
30	Pit, 0.8 m dia x 1.0 m deep	Post-medieval tile	3
31	Palisade trench, 0.8 m wide x 0.72 m deep	Roman, Saxon, & medieval pottery	2
32	Posthole, 0.08 m dia x 0.11 m deep		2
35	Posthole, 0.8 m dia x 0.12 m deep		2
36	Ditch, 0.90 m deep		?2
37	Pit, 0.5 m deep		3

Layer

2	Topsoil & post- medieval build-up	
3	Base of topsoil	
30	Lower half of 3	12th-13th century pottery