## DUNADD ARCHIVE

## SECTION 2: FINDS INFORMATION

### 2.1 LIST OF FINDS

This finds list includes longer descriptions of the more significant items and brief references to materials such as bone and charcoal. More detailed listing of such material is included in a later section. Description and interpretation in the published text is definitive and may differ from those included here. Some numbers have more than one type of object listed as different materials may not have been recognised in the field.

Find No.

| 1 | Bone. | Site $1(3)$ |
| :--- | :--- | :--- |
| 2 | Bone. | Site 1 (1) |
| 3 | Bone. | Site 1 (1) |
| 4 | Bone. | Site 1 (1) |
| 5 | Bone. | Site 1 (1) |
| 6 | Bone. | Site 1 (1) |

Bone. Site 1 (3)
Bone. Site 1 (1)
Bone. Site 1 (1)
Site 1 (1)

Bone. Site 1 (1)
Globular bead of dark blue translucent glass. Wide central perforation, D. 4 mm . The ends are now chipped but it was not originally part of a segmented bead. Height 5 mm . D. 7 mm . Site 1 (1) SF6.
Iron Pin with small rounded end, section square or rectangular $3 \times 4 \mathrm{mmL} .90 \mathrm{~mm}$ Site 1 (1) SF5
Tall annular bead of dark blue translucent glass. Wide central perforation, D. 4 mm . Made by folding with rather irregular ends and many bubbles. Height 4.5 mm., D. 6 mm . Site 1 (1) SF1.

Large nail, round head, square shaft. L. 70 mm . Site 1(1) SF4
Small nail, square shaft. L. 51 mm . Site 1(1) SF 2
Two fragments of clear untinted glass. Probably from same object. Form indeterminate. The sherds are flat. Modern. T. 1 mm . Site 1, (1).
Iron washer. D. 37 mm ., T. 2 mm . Irregular punched hole, D. 6 mm . Site 1(1) SF7
Bone. Site 1 (3)
Bone. Site 1 (1)
Bone. Site 1 (1)
Bone. Site 1 (3)
Oyster Site 1 (3)
Bone. Site 1 (1)
Bone. Site 1 (1)
Iron curved binding strip, possibly a ring sprung apart, W. 5 mm . Site 1(1) SF8
Annular bead with a herring-bone pattern of pale translucent blue and opaque white glass. Perforation D. 2 mm . The bead is made from two bichrome twisted and marvered blue and white rods, one with a S-twist and one a Z-twist, fused side by side. Height 4mm, D. 4.5 mm . Site 1 (4) SF9.
Bone. Site 1 (1)
Bone. Site 1 (1)
Bone. Site 1 (1)
Bone. Site 1 (1)
Bone. Site 1 (1)
Bone. Site 1 (3)
Bone. Site 1 (1)
Bone. Site 1 (1)
Bone. Site 1 (3)
Bone. Site 1 (2)
Oyster Site 1 (2)
Bone. Site 1 (1)
Bone. Site 1 (2)
Bone. Site 1 (5)
Broken rectangular whetstone of fine red sandstone. Square section. Slight dishing of the edges near the complete end. $40 \times 16 \times 15 \mathrm{~mm}$. Site 1(5) SF10.
Natural concretion. Site 1 (1)
Iron looped strip. L. 55 mm . Site 1(2) SF 38

Lump of fired concretion Site 1 (2)
Iron small nail. L. 40 mm . Site 1(1) SF 12
Bone. Site 1 (30)
Oyster Site 1 (3)
Bone. Site 1 (Unstratified 1-3)
Copper alloy loop-headed spiral-ringed pin. The pin is of gunmetal but the ring appears to be of brass (XRF results). The pin appears to be cast but the looped head has been hammered and has a decorative groove along each border. The ring is a double spiral with close-set transverse grooves (about 4 per mm .). The pin is circular in cross-section tapering gradually from the mid point towards the point. The pin is damaged about half way along its length. The edges of the loop show considerable wear. Then ring is more heavily corroded with the decoration only surviving in places. D. ring 15 mm ., D. wire 2 mm . Pin length 87 mm ., length of shaft 82 mm ., width 3 mm . Loop head diam. 6 mm ., width 4.5 mm . Site 3 (31) SF51.
Copper alloy pin perhaps for a penannular brooch. The alloy is a low lead bronze. The pin appears to be hammered and is irregular in section. The upper part of the shaft is sub-circular, D. 3 mm ., but lower part is a flattened oval in section where it tapers to the point. The head is hammered flat and bent round to form a loop. It is undecorated amd has a maximum width of 7 mm . The end of the loop is broken, estimated original diam. 9 mm . However the loop shows signs of being forced open (perhaps to remove brooch) and may be substantially intact with a smaller original diametre. Total length 87 mm ., length of shaft 74 mm ., thickness of loop 1 mm . The pin is slightly bent. Site 1 (4) SF15.
Bone. Site 1 (4)
Bone \& burnt Bone. Site 1 (1)
Bone. Site 1 (1)
15 sherds from a blue willow-patterned plate. White fabric. Glazed white both internally and externally. The glaze is crazed. T. 4.5 mm . Late 19th century. Site 2 (6).
Bone. Site 1 (2)
Bone. Site 1 (3)
Bone \& burnt Bone. Site 1 (3)
Bone. Site 1 (4)
Bone. Site 1 (4)
Bone. Site 1 (3)
Bone. Site 1 (5)
Bone \& burnt Bone. Site 1 (4)
Shale fragment. Site 1 (3)
Burnt material. Site 1 (4)
Bone. Site 1 (3)
Bone. Site 1 (4)
Bone. Site 1 (1)
Unusual object of white sandstone with highly smoothed faces. One end is hemispherical, polished and stained dark. Perhaps a pestle. The rest of the object is roughly rectangular but has been deliberately broken in antiquity. The two side faces have grooves and may have been used as a whetstone. The face opposite the pestle end is smooth and the two remaining faces are broken off. Size $62 \times 35 \times 28$ mm. Site 3(31) SF50.

Bone. Site 3 (31)
Bone \& burnt Bone. Site 1 (1)
Bone. Site 1 (3)
Bone. Site 1 (3)
Bone. Site 1 (1)
Unworked pebble Site 1 (1)
Unidentifiable iron. Site 3(31) SF63
Unidentifiable iron. Site 3(31) SF59
Iron bifurcating rod, end bent over. Possibly damaged eye of needle or part of lock. L. 25 mm . Site 3(31) sieved.
Iron section of rod. L. 27 mm . Site 3(31) SF53
Iron section of tapering rod, circular section, kink in middle. Nail or pin shaft? L. 60 mm . Site 3(31) SF79
Iron nail, badly corroded, square shaft. L. 45 mm . Site 3(31) SF76
Iron triangular plate fragment, one side broken. L. 28 mm . Site 3(31) SF73
Iron fragmentary point? Site 3(31) SF58
Iron cylindrical collar with welded seam. D. 16 mm ., L. 22 mm. T. 2 mm .
Ferrule. Site 3 (31) SF77
Iron section of rod, possibly nail. L. 35 mm . Site 3(31) SF55

Unworked pebble Site 3 (31)
Iron nail, square shaft, tapering. L. 53 mm . Site 3(31) SF52
Broken elongated river pebble of fine red sandstone. One flat face shows a high polish and dark staining. One end has been used as a hammerstone. Length 7.5 cm . Site 3(31) SF56.
Iron joiner's clamp, one tang broken. $30 \times 15 \times 7 \mathrm{~mm}$. Site 3(31) SF69
Iron section of rod. L. 30 mm . Site 3(31) SF60
Approximately half of a keyhole-shaped horseshoe with 4 nail holes of rectangular plan. Two nail heads survive in situ and lie within a fullered groove. There is a heavy calkin and a clip at the toe end. Original width of shoe $c .140 \mathrm{~mm}$. Length 193mm, width 26mm, T. 8mm. Post-medieval. Site 3, (31) SF 57.
Bone \& burnt Bone. Site 1 (2)
Bone. Site 1 (9)
Bone. Site 1 (10)
Bone. Site 1 (2)
Bone. Site 1 (9)
Bone. Site 1 (1)
Bone \& burnt Bone. Site 1 (10)
Oyster: many fragments Site 1 (10)
Bone \& burnt Bone. Site 1 (10)
Bone. Site 1 (9)
Bone. Site 1 (9)
Bone. Site 1 (1)
Bone. Site 1 (9)
Bone \& burnt Bone. Site 3 (31)
Fired clay Site 3 (31) 10g
Furnace lining Site 3 (31) 20g
Flint. Site 3 (31)
Burnt bone. Site 3 (31)
Iron ore. Site 3 (31)
Base sherd from small bowl. Glazed white, both internally and externally. Fabric buff in colour. The glaze is crazed. 19th century. T. 4mm. Site 3 (31).
Crucible bodysherd. Form? Fabric C2a. Size 18 mm. Site 3(31)
Iron unidentifiable. Site 3(31)
Iron ore. Site 3 (31)
Iron ore. Site 3 (31)
Iron ore. Site 3 (31)
Slag. Site 3 (31)
Slag. Site 3 (31)
Furnace lining 5g Site 3(31)
Fragment of vitrified lining with heavy vitrification on exterior. A globule of slag adheres to outer surface. Fabric C3, glossy/grey. Size 3 cm . Probably from near a tuyère. Site 3(31).
Crucible, two joining lid sherds. Form C. Fabric C2b. Knob abraded and mostly missing. Size 45 mm . Estimated D. 70 mm . Site 3(31) sieving.
Crucible, six bodysherds. Forms? Fabric C2a. Sizes 28, 25, 18, 18, 15, 14 mm.
Site 3(31) sieving
Crucible, bodysherd. Form B. Fabric C2a. Size 27 mm . Site 3(31) sieving
Crucible rim sherd. Form ?C. Fabric C2c. Size 20 mm . Traces of lid attachment. Site 3(31)
Crucible, rim sherd. Form ? Fabric C2a. Size 20 mm . Site 3(31) sieving
Mould with ingate/feeder Site 3(31)
Mould Site 3(31) 6 fragments with keying
Mould Site 3(31) indet. object
Mould Site 3(31) 44 frags
Slag \& iron ore. Site 3 (31) sieving
Flint. Site 3 (31) sieving
Slag. Site 3 (31) sieving
Bone. Site 3 (31) sieving.
Iron joiner's clamp. $25 \times 16 \times 9 \mathrm{~mm}$. Site 3 (1)
Natural concretion. Site 1 (5)
Furnace lining Site 1(5) 30g
Bone. Site 1 (10)
Unworked pebble Site 3 (31)
Unworked pebble Site 3 (31)
Unworked pebble Site 3 (31)
Slag. Site 3 (31)

Iron ore. Site 3 (31)
Burnt bone. Site 3 (31)
Unidentifiable. Site 3(31).
Unworked pebble Site 3 (31)
Iron, unidentifiable fragments. Site 3(31)
Iron ore. Site 3 (31) sieving
Bone. Site 1 (5)
Ore and slag. Site 1 (5)
Ore and slag. Site 3 (31)
Iron, fragment of knife blade, triangular section. L. 18 mm . Site 3(31)
Iron bar of rectangular section, tapering and flattened at one end to chisel point.
Small chisel or leather tool. $25 \times 8 \mathrm{~mm}$. Site 3(31)
Iron strip fragment. Site 3(31)
Slag \& iron ore. Site 3 (31)
Bone. Site 3 (31)
Iron object. Site 3 (31)
Slag. Site 3(31)
Iron unidentifiable fragments. Site 3(31)
Broken river pebble of grey sandstone. One face has traces of use for polishing.
Length 8 cm . Site 3(31) SF64.
Unfired clay Site 3 (31) 8 g
Bone. Site 3 (31)
Metal droplet? Site 3 (31)
Flint. Site 3 (32/62) SF88
Fragment of an unfinished oil-shale armlet. The outer edge shows saw marks. Estimated internal D. c.6-8 cm., width $c .12 \mathrm{~mm} .$, T. 4 mm . Site 3(31) SF82. Copper alloy metal droplet with a very high tin content. An irregular L-shaped lump with signs of bubbles on the surface. Size approx. $13 \times 7 \times 3 \mathrm{~mm}$. Site 1 (1) sieved.
Fragment of jet armlet, highly polished. D-shaped section. One broken end has been ground down, perhaps for re-use. Estimated original external D. 8 cm . Width $10 \mathrm{~mm} .$, T. 12 mm ., length 29 mm . Site 1(16) SF18.
Flint. Site 3 (31) SF85
Large part of lower valve, back? face of penannular brooch. The mould is broken around the inside of the hoop. Traces of two oval or tear-shaped terminals with flat surfaces. Hoop diameter $c .50 \mathrm{~mm}$., width $5-6 \mathrm{~mm}$. Negative keying, central thumb and nail print. Site 3(31) SF72
Fragment of a tripartite collared bead of bright blue translucent glass. Wide central performation, D. 6.5 mm . Only a small part of one collar and the central portion remain, size $12 \times 5 \mathrm{~mm}$. Width of collar 2 mm . The collar is wound separately onto the central globular or oval portion. Many bubbles, some red inclusions. No sign of applied dots or spirals as in 'string' beads. Site 3 (31) SF 65.
Annular bead of dark blue translucent glass with irregular yellow-green streaks. Perforation D. 5 mm . The bead is rather irregular with many small and several large bubbles. The irregular streaks on the surface are marvered trails of opaque yellow glass which has decayed in places. Height 4 mm . D. 10 mm . Site 1 (5) SF13.
Half of a cylindrical bead of translucent deep torquoise blue glass. Central perforation D. 3 mm . Rather irregular wound bead with many bubbles. Not part of a segmented bead like 155. Ht. 4.5 mm ., D. 6 mm . Site 3 (31) SF80.
Fragment of one end of a multi-segmented bead of deep torquoise blue glass. Parts of three segments survive wound separately and fused together. Small central perforation D. 2 mm . Bubbly glass but regular shape. Colour similar but not identical to 154 . Length 7 mm ., D. 5.5 mm . Site 3 (31) SF54.
Unworked pebble Site 3 (31)
Fire-cracked quartzite. Site 3 (31)
Tapering clay pipe stem retaining bulbous mouthpiece. Stamped on one side of the stem is the name of the manufacturer. 'T. McLACHLIN' stamped on the opposite side is 'GLASGOW'. Length 72 mm . Bore c. 2 mm . Date early 20th century. Site 1, (1) SF 14.
Flint. Site 3 (31)
Slag. Site 1 (8)
Fragment of clear, untinted glass from the tapering neck of a bottle, circular in plan. Modern. T. 3mm. Site 1 (2).
Oyster Site 1 (8)
Crucible, lid handle. Form C. Fabric C2a. Lug tapers, height 16 mm., width 7-14 mm. Site 3(31)

Mould, very abraded brooch D. 20 mm ., possibly type G. Site 3(31) SF81
Mould, part of ring D. $c .20 \mathrm{~mm}$. Keying consists of stab marks (vertical) and cuts on edge of ring. Site 3(31)

169
170

Iron Site 3 (1) sieving
Bone and Burnt bone. Site 3 (32/62)
Flint. $\quad$ Site 3 (32/62)
Charcoal. Site 3 (32/62)
Mould Site 3 (32)
Concretion Site 3 (32/62)
Fired clay. $\quad$ Site $3(32 / 62)$
Metal object. $\quad$ Site 3 (32/62)
Iron, unidentifiable fragment. Site 3(32)
Bone. Site 1 (9)
Slag. Site 1 (8)
Oyster fragment Site 1(2)
Flint. Site 1 (11)
George V halfpenny of 1922. Considerably worn. Site 1 (1) SF20.
Iron object. Site 3 (31)
Iron object Site 3 (31) SF78
Furnace lining Site 3(31) 15g
Mould Site 3(31)
Crucible, about half a crucible, Form D. Fabric C2a. Broken lengthwise, handle missing. Height 32 mm . D. of mouth $c .10 \mathrm{~mm}$. Site 3(31) SF75
Crucible, about half a tiny crucible, Form D. Fabric C2b. Broken across the axis. Handle present, pointing upwards with tongs-mark. Height 20 mm . D. of mouth $c .10 \mathrm{~mm}$. Handle $10 \times 4 \mathrm{~mm}$. Estimated volume 1 cc . Site 3(31) SF73
Mould Site 3(31)SF67
Iron object. Site 1 (16) SF17
Slag. Site 1 (8)
Crucible, rim to base sherd. Form E? Fabric C2a. Bowl-shaped with extra layers inside and outside, heavily vitrified. Height c. 30 mm . D. c. 40 mm . Site 3(31) SF61.
Crucible bodysherd, Form? Fabric C2a. Size 32 mm. Site 3(31) SF62
Iron object. Site 3 (31) SF83
Rim of ingot-mould or crucible. Fabric C2a. Oval shape or end of long bar mould. Very thick base, greater than 12 mm . Differs from other ingot moulds in being vitrified like crucibles. Size 36 mm . Site 3(31) SF71
Crucible, rim and base of crucible, Form B2. Fabric C2a. Shallow flat bottomed bowl, or possibly lid. D. estimated 140 mm . T. max. 12 mm . Site 3(31) SF70. Same vessel as 1815/l.
Bone \& 1 fragment of burnt bone. Site 1 (9)
Iron, complete nail, round head, shaft flattened on one side. L. 32 mm . Site 3(38) SF 100
Iron, tapering cylindrical tube, both ends broken, badly decayed. Ferrule? L. 46 mm ., D. 13 mm . Site 3(38)
Mould Site 3(32)SF89
Mould Site 3(32)SF89
Worked bone point formed from a split long bone. One end cut to a triangular point with smoothed edges. Length 51 mm ., width 13 mm ., T. 4.5 mm . Site 1 (16) SF19.
Iron object. L. 14 cm . Site 3 (38) SF96
Iron bent strip. 5 mm . wide, L. 110 mm . Site 3(32) SF94
Iron tapering strip of rectangular section bent at end into hook. Broken at both ends. L. 67 mm . Possibly part of implement. Site 3(38) SF117.
Tiny fragment from vessel of yellow-green glass. Vessel form indeterminate. Good quality glass, no bubbles. T. >1 mm. Site 3 (38) SF106.
Flint. Site 3 (38) SF109
Flint. Site 3 (38) SF108
Crucible lid handle, Form C. Fabric C2a. Tall, thin handle height 20 mm . Section
$7 \times 5 \mathrm{~mm}$. Site 3(38) SF103
Rim sherd of small $\mathrm{E}_{2}$ carinated beaker. Simple rim, slightly everted. Estimated rim D. $c .8 \mathrm{~cm}$. T. 4 mm . Max. size 2 cm . Buff colour. Fabric A1. Unabraded. Site 3(39) SF1 10.
Two fragments from a sandstone ingot? mould. The stone is heavily burnt and disintegrating. One end of a hollow survives on one face, width $c .9 \mathrm{~mm}$., depth $c .5$ mm . The surfaces are covered in soot and slight vitrification. Site 3(32) SF87. Crucible base of oval section, conical plan crucible, Form C? Fabric C2a. Size 37 mm . Thick slag on base exterior. Site 3(38) SF95
Rectangular ingot mould of schist. The mould groove is $c .11 \mathrm{~mm}$. wide, 11 mm . deep and at least 62 mm . long with a U -shaped section and rounded end. The mould is broken at one end and part of the top has flaked off. A fine crack runs the length of the groove. Traces of vitrified deposits exist at the end of the groove.

Size $85 \times 64 \times 22 \mathrm{~mm}$. Site 3(38) SF99.
Charcoal. Site 3 (31)
Copper alloy sheet with stamped ornament. A very thin sheet of high tin low-lead bronze with pressblech ornament of a backward-biting beast with interlaced trails. The sheet is fragmentary but appears to have been sub-triangular in shape. The narrow end has one edge of a sub-circular projection with a circular hole in the centre, presumably for a rivet or stud. The opposite end is completely fragmentary, but the edge may not have been far beyond the present end. The back of the sheet shows no clear signs of the method of attachment or backing material though traces of iron corrosion products might suggest possible attachment to an iron object. The design on the front face is difficult to disentangle due to the damage, but consists of a biting beast adapted to fit the sub-triangular field. The beast has its head twisted backwards, biting its own body. Both the hind limb and fore limb have a spiral at the junction with the body. The hind limb bends back sharply under the body forming the apex of the triangle. The fore limb also appears to bend sharply back forming one of the basal angles of the triangle before passing behind the head. The remainder of the space is filled with an irregular interlace of trails representing extensions of the limbs and tail of the animal. The body is outlined by raised borders which continue into the trails. Within these borders the only features are in the head area. Here a slighter border separates the neck from the head and the jaws from the head. The tear-shaped eye is also outlined similarly. There is no pupil. Below the eye the cheek is indicated by a less marked depression. The tail runs backwards over the body and above the head, presumably ending in the upper apex. The hind limb ends in a rectangular fashion but it is not clear if two or one trails continue from this, nor where they end. No feet or claws can be seen anywhere in the design, though the areas where they might be expected are damaged. The rest of the space is filled by a single trail presumably representing the fore leg. This starts behind the head and forms a simple knot enclosing the tail before passing behind the body turning sharply and running along beneath it. It passes through and below the jaw before forming a simple triangular loop. It may end against the fore limb or turn again beneath the body. The whole of this design is enclosed within a double border, the outer having greater relief. The borders and tendrils are all about 0.5 mm . wide. Max size $24 \times 11 \mathrm{~mm}$. Thickness less than 0.5 mm . Site 3 (32/38) sieving.
Small fragment of upper valve, front? face of Type G brooch. Part of one terminal and hoop, showing group of three transverse ribs. Positive keying, marginal slashes. Site 3(38) SF105
Part of ring.mould Site 3 (38)
Mould, part of ring with three grooves - ? Part of type G terminal. Site 3(38) SF105
rem needle of bronze composition. The needle is not cast. A flaw run the entire length indicating the needle was formed by bending a wire in two, leaving a loop for the eye, and hammering the wires together. The eye shows signs of wear. The shaft is sub-circular, D. c. 1.5 mm ., widening to 3 mm . at the eye. Length 57 mm . Eye oval $4 \times 1.5 \mathrm{~mm}$. Point is damaged. Site 3(38) SF116. Iron nail shaft. L. 47 mm . Site 3(38) SF 104
Spindle whorl of oil-shale with hourglass perforation slightly off centre, D. c. 6 mm . Size $30 \times 29 \times 8 \mathrm{~mm}$. Site 3 (32).
Iron, complete slotted object with tang. Tang junction with blade has doubly scalloped shoulders. Slot tapering towards tang, maximum width 5 mm ., length 72 mm . X-ray shows construction by folding strip of metal around with seam welded along tang. Overall L. 122 mm ., W. 20 mm ., T. 15 mm . Site 3(40) SF122 Mould Site 3(38) 2 fragments
Crucible, rim sherd of large crucible with vertical walls, estimated D. 100 mm . Fabric C2b. Form B5. Height greater than 40 mm . Size 52 mm . Site 3(39) SF11 Crucible, rim to base profile of large crucible, Form B4. Fabric C2a. Flat base, D. $c .80 \mathrm{~mm}$, globular incurving walls, height 58 mm . T. base 9 mm , T. walls 5-11 mm . Added layers on interior. Traces of green vitrification on lower part of interior. Volume 180 cc . Sizes: $221,51 \mathrm{~mm} ; 465,30 \mathrm{~mm}$. Same vessel as 447 and 1435. 221: Site 3(33) SF114; 465 Site 1(u.s.) SF27

Part of an upper valve, front face of decorated object. The decoration consists of an incomplete circular boss, D. 12 mm ., with two concentric grooves and a raised centre. On one side is a simple knot with a double outline, identical to the one on 915, of raised lines in a sunken field which outlines the decoration. Adjacent to this is about half of a semi-circular setting attached to the margin of the circular boss. No signs of any possible brooch hoop are preserved and there is certainly no hoop springing from the knot motif. If this is part of an elaborate disc-ended brooch, the hoop is not in the normal position. The mould has not been in contact with molten metal. The design has been raised above the general surface of the mould by removing clay from around the margins. This is highly unusual and produces the appearance on the cast of the entire object being sunken. As the fabric shows this piece to be unused, it may be some intermediary stage in the
production of a complex object or even a clay model. Site 3(38) SF102.
Small part of mould for circular disc, D. 16 mm ., with round border 1 mm . wide.
Site 3(38) SF107
Mould fragments with rectangular raised panel 2 mm . wide on edge of irregular sunken panel. Site 3(38) SF105
Complete upper valve, front? face of Type G brooch. Sub-circular hoop, D. 31 mm ., rounded cross-section, width 4 mm . Terminals bounded by single transverse ribs at both ends, with central lozenge bounded by four corner facets. Two faint raised ribs are present on the surface of the lozenge, running from the corners towards the centre. Positive keying, central rectangular boss and marginal slashes. Ingate feeder semi-circular with rectangular runner to top of hoop. Site 3(38) SF101.
Bone. Site 3 (31)
Slag. Site 3 (31)
Fired clay Site 3(31) 10g
Mould Site 3(31) 3 fragments with keying
Mould Site 3(31) 1 frag
Crucible rim sherd, Form B2. Fabric C2a. Rapidly thickening similar to 196.
Size 31 mm . Site 3(31)
Burnt bone. Site 3 (31)
Bone. Site 1 (15)
Iron unidentifiable fragment. Site 1(15)
Bone. Site 1 (5)
Bone. Site 1 (2)
Slag. Site 3 (36)
Bone. Site 3 (38)
Iron ore. Site 3 (38)
Iron strip folded into eyelet. L. 23 mm . Site 3(38)
Bone. Site 1 (16)
Charcoal. Site 1 (16)
Oyster, tiny fragments Site 1(16)
Bone. Site 1 (16)
Bone. Site 3 (33)
Burnt bone. Site 3 (33)
Slag. Site 3 (33)
Iron fragment of corroded vessel base? or possibly slag. L. 31 mm . Site 3(33)
Iron strip fragment. L. 20 mm . Site 3(33)
Charcoal. Site 3 (33)
Bone and Burnt bone. Site 3 (32/62) sieving.
Charcoal. Site 3 (32/62)
Iron rod fragment. L. 8 mm . Site 3(33)
Fired clay. Site 3 (33)
Fired clay Site 3(32) 15 g
Concretion Site 3(32)
Iron, three fragments, one of rod, one of sheet and one pointed tip of ferrule? Site 3(32)
Fired clay. Site 3 (32)
Bone. Site 3 (32)
Iron ore \& slag. Site 3 (32)
Unworked pebble Site 3 (32)
Flint. Site 3 (32) SF93
Slag \& Iron ore. Site 3 (38)
Slag. Site 3 (38)
Slag. Site 3 (33)
Bone and burnt bone. Site 3 (33)
Iron ore. Site 3 (39)
Iron ore. Site 3 (39)
Burnt bone. Site 3 (39)
Iron sheet fragments. $55 \times 36 \mathrm{~mm}$. Site 3(39)
Charcoal. Site 3 (39)
Mould Site 3(39) 2 frags
Unworked pebble Site 3 (31)
Fire cracked quartzite pebble. Site 3 (31)
Iron ore. Site 3 (31)
Burnt bone. Site 3 (31)
Iron nail shaft fragment and unidentifiable fragment. Site 3(31)
Iron C-shaped link. D. 9 mm . Possibly from chain-mail. Site 3(31) sieving

Burnt bone. Site 3 (34)
Iron ore. Site 3 (34)
Mould Site 3(34) 2 fragments with keying
Mould Site 3(34) 4 frags
Iron tapering rod, nail? tip. L. 24. Site 3(34)
Flint. Site 3 (34)
Crucible bodysherd, Form? Fabric C2b. Size 21 mm. Site 3(34)
Mould, part of a brooch hoop. Site 3(38)
Mould Site 3(38) 4 frags
Iron fragments, including a thin rivetted sheet, a fiddle key shaped nail, sheet
fragments and rod fragments. Site 3(38)
Furnace lining Site 3(38) 10g
Burnt bone. Site 3 (38)
Unworked pebble Site 3 (38)
Iron rod fragment. Site 3 (US) sieving
Burnt bone. Site 3 (US) sieving.
Fired clay. Site 3 (US) sieving.
Fired clay Site 3(US) 5 g
Mould, fragment of flat disc? or brooch back. Site 3(US)
Charcoal. Site 3 (38)
Unworked pebble Site 3 (38)
Banded quartzite. Site 3 (38)
Iron ore. Site 3 (38)
Iron ore. Site 3 (38)
Iron bifurcating V-shaped strip. Possibly part of tweezers or lock mechanism. 30 x 5 mm . Site 3(38)
Almost complete lower valve, back? face of Type G brooch. Hoop D. 32 mm ., width $c .5 \mathrm{~mm}$., rounded cross section. Terminals bounded by single transverse ribs. Central lozenge and corner facets ill-defined and shallow. Keying negative; marginal slashes and grooves, no central key. Site 3(39) SF112
Almost complete lower valve, back face of buckle plate and tongue. The buckleplate is integrated with the tongue and is sub-rectangular and flat, narrowing towards the tongue in a series of two scallops. Overall dimensions of the plate are $17 \times 25 \mathrm{~mm}$. The tongue is 5 mm . wide and 13 mm . long. The end of the tongue curves sharply downwards. In the middle of the plate is a sub-rectangular lug, 3 x 2 mm . which extends perpendicular to the rear face of the buckle plate. The bar would have been 15 mm . long and reaches the lower surface of the mould where a small amount of the original silver metal remains from the casting. The plate would have been at least 2 mm . thick. Slight negative keying, cuts on outer margin. Site 3(38) SF 98
Mould Site 3(39) 2 frags
Mould Site 3(US) 1 frag
About half of a lower valve of mould for a small ring D. 15 mm . Flat section, width $c .2 \mathrm{~mm}$. Roughly cut expanding feeder channel. Site 3(33) SF115 Iron rod tapering to point. X-ray shows decorative bands of ?silver, five narrow central ones flanked by one broad and two narrow bands at each end, nine bands in width of 10 mm . L. 41 mm . Site 3(46)
Crucible, complete hemispherical crucible Form E. Fabric C2a. Faint trace of a pouring lip. Cracked during use, but vitrified over breaks. Slag globules on exterior and slag and metal dross in interior. Heavily vitrified inside and out. D. $c .45 \times 52 \mathrm{~mm}$. Height $c .27 \mathrm{~mm}$., volume 17.5 cc . Site 3(44) SF126
Iron, small knife blade, curved back, straight cutting edge, tang in line with back. Tip and tang missing. Type 1. L. $83 \mathrm{~mm} .$, W. 19 mm . Site 3(45) Iron awl, complete, square section tapering towards both ends. L. 69 mm ., section $5 \times 5 \mathrm{~mm}$. Site 3(44)
Mould Site 3(38)SF120 with ingate/feeder
Mould Site 3(38)SF120 1 frag
About half of a lower valve of mould for a small ring D. 13 mm . Circular section, D. 3 mm . Feeder channel roughly cut, expanding to ingate. Site 3(unstrat.) SF118
Crucible, bodysherd, Form ? Fabric C2a. Size 24 mm. Site 3(38) SF121 Mould Site 3(34)SF91
Copper alloy object irregular form, possibly a sprue from an ingate. It is oval in section and tapers from a width of about 13 mm to 8 mm . It is heavily corroded and broken in two pieces. The surface is irregular and bubbly particularly at the wider end. The narrow end is broken. Length $c .20 \mathrm{~mm}$. T. 6-8 mm. Site 3(40) SF123. Iron nail, point missing. L. 47 mm . Site 3(44) SF134
Iron strip bent in U-shape, small clamp or binding strip, incomplete. L. 35 mm , W. 5 mm . Site $3(38) /(44) /(45)$ SF131 sieving
13 Iron large staple, originally U-shaped, now extended. Both arms flattened and tapering to chisel points. L. 143 mm ., W. 8 mm ., original length of arms 50 mm .

Site 3(44) SF137

314
315

Iron, part of bent rod with an eyelet at one end. L. 50 mm . Site 3(44) SF135
Most of an upper valve for a ring D. 26 mm . Oval section, width 4 mm . Site 3(38).
Crucible bodysherd, Form large E? Fabric C2a. Size 50 mm . Sherd very abraded. Site 3 (38/44/45) sieving
Mould, part of a brooch hoop. Site 3(45) SF132
Mould, Part of shallow disc? Site 3(45) SF135
Iron ore. Site 3 (40)
Bone. Site 3 (40)
Fired clay Site 3(40) 5g
Furnace lining Site 3(40) 5g
Furnace lining Site 3(43) 10g
Bone (Rodent). Site 2 (12)
Fired clay Site 1(10) 1g
Slag. Site 1 (10)
Bone. Site 1 (17)
Iron object. Site 3 (49) SF161
Bone. Site 1 (17)
Copper alloy droplet. An irregular flattened lump of almost pure copper. The two flatter surfaces show many bubbles. Size $11 \times 11 \times 5 \mathrm{~mm}$. Site 3(43) SF141.
Bone. Site 1 (17)
Hearth bottom 185gm. Site 2 (1)
Crucible bodysherd, Form ? Fabric C2a. Size 22 mm. Site 3(36)
Mould Site 3(36) with keying
Mould Site 3(36) 4 frags
Bone. Site 3 (36)
Iron ore. Site 3 (36)
Iron, part of strip and curving sheet, possibly small vessel. $25 \times 19 \mathrm{~mm}$. Site 3(36)
Bone. Site 3 (38/44/45) sieving.
Mould Site 3(38/44/45)
Iron tip of large knife blade, angled back, straight cutting edge. L. 39 mm ., W. 20
mm . Site $3(38) /(44) /(45)$ sieving
Iron nail, shaft incomplete. L. 25 mm . Site 3(38)/(44)/(45) sieving
Charcoal. Site $3(38 / 44 / 45)$ sieving.
Furnace lining Site 3(US) 15 g
Slag and bone. Site 3 (38/44/45) sieving.
Unworked pebble Site 1 (10)
Bone \& burnt bone. Site 1 (10)
Oyster, tiny fragments Site 1 (10)
Charcoal. Site 1 (10)
Iron pan Site 3 (36)
Slag. Site 3 (44/45) sieving.
Bone. Site $3(44 / 45)$ sieving.
Flint. Site 3 (44/45) sieving.
Fired clay Site 3(44/5) 5g
Iron object. Site $3(44 / 45)$ sieving.
Iron rod, square section, flattened and tapering to chisel point. Broken at both
ends. Awl? Site 3(44)/(45) sieving
Bone. Site 3 (52)
Flint. Site 3 (52)
Unworked pebble Site 3 (52)
Slate pebble. Site 3 (52)
Slag. Site 3 (52)
Fired clay Site 3(52) 15g
Bone. Site 3 (43)
Slag. Site 3 (43)
Rootlet concretion. Site 3 (43)
Iron? Site 3 (43)
Charcoal. Site 3 (44)
Bone. Site 3 (44)
Slag. Site 3 (44)
Iron, small hollow ferrule, conical, tapering to point. Complete but part of one side missing. L. 56 mm ., section $14 \times 13 \mathrm{~mm}$. Site 3(44)
Iron rod with eyelet at one end. L. 33 mm . Site 3(44)
Bone. Site 3 (38)
Fired clay Site 3(38) 5g

Iron ore. Site 3 (38)
Bone. Site 3 (44/45) sieving.
Body sherd of large wheel-thrown vessel. T. 1mm. Max. size 3cm. Fabric A4.
Abraded. Exterior carbon deposits. Joins 1840. Site 3(38)/(44)/ or (45), sieving.
Mould, part of a ring. Site 3(44/5)
Mould Site 3(44/5) 5 frags
Crucible rim sherd, Form ? Fabric C2a. Size 18 mm. Site 3(44/45) sieving
Slag. Site 3 (44/45) sieving.
Iron fragment or rod. L. 18 mm . Site 3(44)/(45)
Iron, badly corroded fragment of knife tang and blade. L. 45 mm . Site 3(45)
Mould, two L-shaped grooves, perhaps part of square-ended brooch terminals.
Site 3(45)
Mould Site 3(45) 2 frags
Unworked pebble Site 3 (45)
Fired clay Site 3(45) 20g
Bone. Site 3 (45)
Iron ore. Site 3 (45)
Iron ore. Site 3 (45)
Charcoal fragments Site 3 (48)
Bone. Site 3 (48)
Fired clay Site 3(48) 5g
Slag. Site 3 (48)
Heavily vitrified furnace lining. A large irregular knob with protrusions on lower surface, attached to a piece of furnace lining c $9 \times 4 \mathrm{~cm}$. Fabric C3. Probably from near a tuyère area. Site 3(44).
Furnace lining Site 3(44) 110g
Rootlet concretion. Site 3 (44)
Bone. Site 3 (44)
Irregular lump of clay with impression of wooden post at one end. Hardened daub, apparently not fired. D. of post $c .6 \mathrm{~cm}$. Fabric C5, pale grey. Size $6 \times 5 \times 4 \mathrm{~cm}$. Site 3(90).
Unfired clay Site 3(44/63)
Mould, part of back of brooch hoop. Site 3(44)
Mould Site 3(44) ingate/feeder
Unworked pebble Site 3 (44)
Calcareous quartz schist. Site 3 (44)
Two fragments of hand-made ceramic. Thick irregular sherds $c .14 \mathrm{~mm}$ thick.
From an oven or pottery. Fabric B3. Buff and pale grey. Max. size 4 cm and 2 cm . Some abrasion. Site 3(44).
Iron, part of blade of triangular section, broken at both ends. Large knife or shears.
$49 \times 32 \mathrm{~mm}$. Site 3 (44)
Iron ore. Site 3 (44)
Bone. Site 3 (44)
Unworked pebble Site 3(44)
Mould Site 3(44) 7frags
Charcoal. Site 3 (44)
Furnace lining Site 3(44) 10g
Stone. Site 3 (44)
Iron ore. Site 3 (44)
Iron ore. Site 3 (44)
Iron triangular sheet fragment. $45 \times 17 \mathrm{~mm}$. Site 3(44)
Concretion. Site 3(44)
Iron ore. Site 3 (44)
Slag. Site 1 (10)
Bone. Site 1 (10)
Bone. Site 3 (49)
Unfired clay Site 3 (49/25)
Iron ore. Site 3 (49)
Crucible lid handle, Form C. Fabric C2c. Rectangular handle 14 mm high, section $30 \times 9 \mathrm{~mm}$. Part of pouring hole edge remains, running parallel to the handle. Site 3(44) SF136
Bone. Site 1 (17) SF22
Fragment of droplet or possibly malformed bead of translucent glass. There is an irregular mixture of colours: colourless, bright blue, and greenish. Many large bubbles (D. 3 mm .) and black impurities. Outer surface irregular, no sign of being wound. No sign of perforation. Approx. D. 8 mm ., size 7 x 3 mm . Site 3, (44/45) SF128, sieving.
Irregular annular bead of opaque red-brown glass. The bead is oval in section with a central perforation $2 \times 3 \mathrm{~mm}$. Wound glass with dark streaks which are actually
colourless. The glass is shiny with a few large bubbles. Ht. 3-5 mm., D. $5 \times 6 \mathrm{~mm}$. Site 3 (44/45) SF129, sieving.
Flint. Site 3 (44) SF138
Iron rod, rectangular section. L. 96 mm ., $5 \times 6 \mathrm{~mm}$. Site 3(48) SF151
Flint. Site 3 (49) SF145
Crucible bodysherd, Form ? Fabric C2a. Size 16 mm. T. 2 mm. Site 3(49) SF149
Flint. Site 3 (48) SF154
Iron strip of triangular section, curved back, straight cutting edge, one end with curved eyelet, other end forming point or tang with tip missing. L. 65 mm ., W. 13 mm . One leg of 'dividers' or small shears. Site 3(48) SF152
Iron, bent strip, probably a knife blade, triangular section, parallel back and cutting edge. Type 2. L. 79 mm., W. 20 mm . Site 3(48) SF150
Crucible base, Form C? Fabric C2a. Conical shape, size 20 mm . Site 3(42) SF140
Iron strip with one end folded over. $39 \times 10 \times 2 \mathrm{~mm}$. Site 3(48) SF153
Iron strip fragment. $29 \times 5 \times 3 \mathrm{~mm}$. Site 3(49) SF144
Fragment of a schist ingot mould. The lower part of the stone has flaked off. There are two parallel bar-shaped ingot moulds, the larger is at least 85 mm . long, 16 mm . wide and about 12 mm . deep; the smaller is at least 20 mm . long, about 8 mm . wide and 5 mm . deep. Both are U-shaped with rounded ends. There is the base of a circular mould on the lower surface. Size $13 \times 6 \times 1.2 \mathrm{~cm}$. Blackening occurs along both moulds. Site 3 (47) SF139.
Mould. Site 3 (48) SF155
Rootlet concretion. Site 3 (49 SF147
Unfired clay Site 3 (55/28)
Hearth bottom 90 gm. Site 2 (14)
White Quartz Pebble. Core? Site 1 (1)
Slag. Site 3 (43)
Charcoal. Site 3 (43)
Iron fragment of strip. $38 \times 5 \times 2 \mathrm{~mm}$. Site 1 (21) SF 24
Bone. Site 1 (4) SF25
Bodysherd of large wheel-thrown vessel, finger rilled interior, smoothed exterior. Form possibly a large jar. Estimated D. c. 16 cm , T. 10mm. Fabric A3. Colour grey/buff/pale orange. Traces of a grey layer beneath carbon on exterior. Unabraded. Joins sherd from 1929 excavation (HPO454). Max. size 7 cm . Site 3(49) SF146.
Fired clay roundel. Roughly made counter cut from a piece of fired clay. D. c. 26 mm. T. $14-16 \mathrm{~mm}$. Grey. Fabric C1. Site 3(49).

Iron, part of knife blade with corrosion products, tang missing. Straight cutting edge, curved back. Type 1. L. 88 mm ., W. 25 mm . Site 3(49) SF143 Small fragment of lower valve, front face of terminal from large penannular. The decoration consists of a series of recessed cells surrounded by an outer recessed border. Inside this border is a sub-rectangular panel with its inner edge curved to accommodate two circular panels, one of which is broken off in the mould. The decoration is part of a large terminal, presumably of triangular shape, similar to 1636. The diameter of the brooch is large, probably around 100 mm . The panels are 2 mm . deep. Site 3(49) SF148
Crucible lid fragment, Form C. Fabric C2a. Size 25 mm . Part of pouring hole edge remains. Site 3(50) SF158
Mould, very abraded brooch? D. 20 mm . Site 3(50) SF156
Crucible base and wall, same vessel as 221 . Form B4. Size 75 mm . Site 3(44/45) sieving
Iron, complete tiny awl or punch. Rectangular section, one end with chisel point, the other with conical point. L. $55 \mathrm{~mm} ., 3 \times 5 \mathrm{~mm}$. Site 3(50) SF157
Iron, part of curving bar. $60 \times 11 \times 11 \mathrm{~mm}$. Site 3(51) SF173
Iron object. Site 3 (50) SF163
Iron object. Site 3 (50) SF160
Iron knife. Site 3 (50) SF168
Large part of upper valve, front face of decorated disc. The disc, D. 35 mm ., has a slight raised border 1.5 mm . wide. Within the sunken field is a tripartite system of decoration surrounding a central circular flat-topped boss, D. 5 mm . Three raised arms radiate from this boss forming a triskele. These are lunate in form with the concave edge being very steep and the convex much less so. Between these arms were three (one is missing) large spiral snail-like bosses almost filling the space between the central boss and the outer border. These spiral bosses, D. c. 10 mm ., have a slight border near the base. All the decorative elements stand up to $c .3 \mathrm{~mm}$. above the field of the disc, but vary in height. The mould has two diverging channels from the ingate. Keying is positive, marginal cuts. 453 Site 3(50) SF171; 1839 Site 3(92).

Central part of lower valve, front face of penannular brooch. The terminals consist of a triangular group of three bosses linked by a simple single line knot motif. There is a small raised dot between the terminal and the hoop. There may be a raised rib at the hoop/terminal junction where the hoop expands. Hoop internal diameter 26 mm . Negative central keying, dowel hole. Site 3(50) SF166
Mould Site (50) SF166 2 frags
Crucible lid sherd, Form C. Fabric C2a. Size 15 mm . Abraded. Site 3(50) SF166 Small fragment of lower valve, front face, showing part of one terminal. The eye, D. 7 mm ., fills the entire head and has a central boss D. 3 mm . surrounded by a beaded rim. The incurving beak is incomplete. Hoop width $c .3 \mathrm{~mm}$. Negative keying, slash-marks, on outer margin. Estimated hoop D. 30 mm . Site 3(50) SF172
Mould Site 3(50)SF172 9 frags
?Metal object Site 3 (55) SF167
Concreted object. Site 3 (Unstratified) backfilling.
Mould Site 3(US) 2 frags
Mould Site 3(US) 1 frag
Complete crucible, Form D. Vitrified all over. Handle curving upwards. Height 28 mm , D. $c .10 \mathrm{~mm}$. volume 2 cc . Handle rectangular $c .15 \times 4 \mathrm{~mm}$. Site 3(u.s.) backfill
Iron object. Site 3 (Unstratified) backfilling.
Unfired clay Site 3 (55/10)
Bone. Site 3 (55)
Flint. Site 3 (50) SF164
Flint. Site 3 (50) SF165
Crucible see 221
Crucible body with part of lid attached, Form C. Fabric C2a. Oval in plan, greater than 35 mm . high. Lid attached by thick vitrification. Size 45 mm . Site 3(50) SF170
Hearth bottom. 90 gm. Site 2 (8)
Smelting slag. 350 gm. Site 2 (8)
Slag. Site 3 (38)
Corroded Iron/Wood, slight curvature $30 \mathrm{~mm} \times 25 \mathrm{~mm}$ Site 1 (1)
Bone. Site 1 (3)
Bone. Site 1 (1)
Unworked pebble Site 1 (3)
Small piece of horn, unworked. Modern? Site 2(4).
See 49 modern ceramic
Two shotgun cartridges, 12 bore. Site 2, (6).
Shotgun cartridges, 12 bore. Site 2, (4).
Site 1 (1) unworked pebble
White vien quartz. Site 1 (1N)
Flint. Site 3 (Unstratified).
Burnt flint. Outer terrace below hut - soil pit.
Trapezoidal plaque of indurated shale. The plaque was originally shaped as a trapezoid with straight edges, which were then smoothed. There is a sub-circular hole at the narrow end which is irregular in outline and was not drilled, D. $c .10$ mm . In its initial period of use the plaque was suspended from this hole by a cord which has worn the upper part of the hole. While free to swing on this cord at least three of the corners were damaged and split. These old damaged surfaces have then been worn smooth by continued rubbing, perhaps on cloth. Subsequently, the plaque was reused as a motif-piece but most of the back face of the object was split off before this reuse. The decoration on the front face has both animals and interlaced knotwork. At the top right is the head and upper body of a raptor. Below this there is a hind and a stag, both complete and shown in motion. On the lower half of the plaque are two differing versions of a complex interlaced knot. Surrounding these are four smaller attempts at portions of the same knotwork. One of these crosses the rear foot of the stag and appears to post-date it. On the back face, which is not smoothed, is a poor attempt at another bird, possibly the same raptor as on the front face. An attempt has been made to erase the head. The incised lines are narrow (about 0.3 mm wide) and shallow, and have a flatbottomed profile. The piece was shattered during excavation. The indurated shale is of Lower Palaeozoic origin. Size $193 \times 109 \mathrm{~mm}$., T. 8 mm . Site 1(6) SF3.
Charcoal. Site 1 (11)
Charcoal. Site 1 (11)
Soil sample Site 2 (5)
Soil sample Site 2 (5)
Charcoal. Site 1 (12)
Charcoal. Site 1 (12)

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Small wood fragments, unworked. Site 1(10)
Charcoal. Site 1 (1)
Charcoal. Site 2 (11)
Charcoal. Site 3 (1)
Soil Sample. Site 3 (51)
Soil Sample. Site 2 (3)
Charcoal sample. Site 2 (3)
Soil Samples. Site 2 (13)
Soil Sample. Site 1 (2)
Soil Sample. Site 2 (16)
Soil Sample. No. 7. Site 2 (13)
Soil Sample. No. 6. Site 2 (13)
Soil Sample. Site 3 (50)
Soil Sample. Site 2 (5)
Soil Sample. No. 1. Site 2 (13)
Soil Sample. No. 8. Site 2 (11)
Soil Sample. No. 4. Site 2 (13)
Soil Sample. Site 3 (51)
Mould, fragment of very thick mould perhaps from large brooch. Site 3(51)
Soil Sample. No. 5. Site 2 (13)
Soil Sample. Site 2 (13)
Soil Sample. Site 3 (50)
Soil Sample. Site 2 (5)
Soil Sample. Site 3 (50)
Natural rock. Site 2 (1)
Slab of chlorite schist roughly shaped to a disc. One face is pecked roughly flat, the other irregular. Has a small unfinished hour-glass perforation in centre. This is an unfinished quern. D.. c. 35 cm . T. 63 mm . Site 1(17) SF23.
Large slab of schist with ingot mould on one face, size $91 \times 49 \mathrm{~mm}$., depth 32 mm .
Block size $360 \times 250 \times 85 \mathrm{~mm}$. Site 1(US).
Soil Sample. No. 9. Site 2 (16)
Soil Sample. Site 2 (14)
Soil and Charcoal Sample. Site 1 (3)
Soil Sample. Site 3 (37)
Soil and wood sample from Crinan Moss.
Soil Sample. Site 2 (16)
Soil Sample. Site 3 (55)
Soil Sample. Site 3 (56)
Charcoal. Site 3 (50)
Charcoal. Site 3 (51)
Bone. Site 3 (48)
Iron ore. Site 3 (50)
Burnt bone. Site 3 (50)
Unfired clay Site 3 (50) 15g
Iron ore. Site 3 (50)
Furnace lining Site 3(50) 5g
Metal object. Site 3 (50)
Iron ore. Site 3 (50)
Slag. Site 2 (13)
Bone (Rodent). Site 2 (13)
Unworked pebble Site 2 (13)
Calcareous quartz schist. Site 2 (3)
Ore. 115 gm. Site 2 (13)
Iron ore. Site 3 (48)
Slag. Site 3 (48)
Iron objects. Site 3 (48)
Burnt bone. Site 3 (1)
Burnt bone. Site 1 (18)
Burnt bone. Site 1 (3)
Burnt bone. Site 1 (1)
Burnt bone. Site 3 (51)
Unfired clay Site 3 (51/11)
Furnace lining Site $3(51) 5 \mathrm{~g}$

Bone. Site 3 (51)
Iron ore. Site 3 (51)
Iron ore. Site 3 (51)
Charcoal. Site 3 (US) wet sieving.
Flint. Site 3 (US) wet sieving.
Mould Site 3(51)
More than half a crucible in four sherds, Form C. Fabric C2a. Conical in section, oval in plan. Traces of lid attachment. Exterior slaggy and vitrified, interior with dross. Height 30 mm . Site 3(US) sieving
Crucible, five bodysherds, Form? Sizes 22, 20, 18, 18, 13 mm . Site 3(US) sieving
Furnace lining Site 3(US) 5 g
Furnace lining Site 3(US) 5g
Bone. Site 3 (US) wet sieving.
Unfired clay Site 3 (US) 2g
Burnt bone. Site 3 (US) wet sieving.
Iron ore. Site 3 (US) wet sieving.
Residues. Site 3 (US) wet sieving.
Residues. Site 3 (US) wet sieving.
Residues. Site 3 (US) wet sieving.
Residues. Site 3 (US) wet sieving.
Residues. Site 3 (US) wet sieving.
Burnt bone. Site 3 (1)
Burnt bone. Site 3 (1) Sieving
Bone and burnt bone. Site 1 (1)
Charcoal. Site 1 (1)
Natural concretion. Site 1 (17)
Unworked pebble Site 1 (17)
9 pieces of white vein quartz. Site 1 (17) core
Unfired clay Site 1 (17) 2 g
Burnt bone. Site 1 (17)
Iron fragments. Site 1 (17)
Bone \& burnt bone. Site 3 (50)
Unworked pebble Site 3 (50)
2 white vein quartz pieces. Site 3 (50)
Iron objects Site 3 (50)
Unfired clay Site 3 (50/27)
Fired clay Site 3(50) 20g
Site 3(50) Mould
Slag. Site 3 (50)
Slag. Site 3 (49)
Fired clay Site 3(49) 5g
Iron ore Site 3 (49)
Flint Site 3 (49)
Bone and Burnt bone. Site 3 (49)
Iron object. Site 3 (49)
Iron objects. Site 3 (US) wet sieving.
Iron object. Site 3 (51)
Iron objects. Site 3 (US).
Mould Site 3(US)
Mould Site 3(US)
Iron concretions. Site 2 (16)
Burnt bone. Site 3 (16)
Unworked pebble Site 2 (16)
Impure quartzite. Site 2 (16)
Bone. Site 3 (50)
Mould Site 3(50) 13 frags
Iron ore. Site 3 (50)
Unfired clay Site 3 (50) 1g
Ore. 15 gm. Site 2 (13)
Furnace bottom. 320 gm. Site 2 (13)
Furnace lining Site 2 (13) 25g
Burnt bone. Site 3 (31) sieving.
Burnt bone and tooth. Site 3 (31) sieving.
Crucible rim sherd, Form A. Fabric C2a. Estimated D. 20 mm. T. 2 mm. Exterior vitrified. Height greater than 32 mm . Site 3(31) sieving

| 601 | Iron object. Site 3 (31) |
| :---: | :---: |
| 602 | Mould Site 3(31) 1 frag |
| 603 | Bone. Site 3 (50) |
| 604 | Slag. Site 3 (50) |
| 605 | Furnace lining Site 3(50) 15g |
| 606 | Unfired clay Site 3 (50/18) |
| 607 | Iron objects. Site 3 (48) |
| 608 | Iron ore. Site 3 (48) |
| 609 | Charcoal. Site 3 (48) |
| 610 | Fired clay Site 3(48) 5g |
| 610 | Mould Site 3(48) 1 frag |
| 611 | Mould Site 3(61)SF185 |
| 612 | Body sherd from shoulder of large $\mathrm{E}_{1}$ jar. Finger-rilled interior, exterior smoothed. Estimated D. c. 24 cm . Colour purplish grey. Fabric A1, with much orange and yellow iron ore in lumps and streaks. Unabraded, no sooting. Same vessel as sherd from 1905 excavations (GP245). Max. size 7cm. T. 6mm. Site 3 (61). |
| 613 | Mould Site 3 (61)SF1795 frags |
| 614 | Mould Site 3 (61) |
| 615/1-3 | Mould Site 3(61)SF180 3 frags |
| 615/4 | Tiny piece of lower valve, front face of penannular brooch. Corners of two terminals, square-ended with circular bosses at exterior angle. The bosses have sunken centres, perhaps for insets. From a small brooch $30-40 \mathrm{~mm}$. diameter. Site 3(61) SF180 |
| 615/5 | Small fragment of lower valve, front face, showing ends of two terminals with opposed incurving beaks $c .10 \mathrm{~mm}$. long. Edges of beaks raised, interiors sunken. Negative keying, slash-marks, on outer margin. Very abraded. Site 3(61) SF180 |
| 616/1 | Iron sheet or blade fragment, W. 30 mm ., broken at both ends. L. 45 mm . Thickest in centre, thinning at edges, just possibly part of small sword. Site 3(61) SF191 |
| 616/2 | Iron, irregular fragment of curved sheeting with one punched hole and possibly one rivet in situ. $31 \times 29 \mathrm{~mm}$. Site 3(61) SF191 |
| 617 | Fragment of blow-pipe nozzle. Conical shape with central hole, estimated D. 10 mm . Vitrification and burning around narrow end of cone and hole. Fabric C1. Size 25 mm . Site 3 (61) SF 193. |
| 617 | Unfired clay Site 3 (61) 5 |
| 618 | Mould, part of rounded mould with part of small disc, pin head or rivet. Site 3(61) |
| 619 | Fragment of oil-shale armlet of D-shaped section. Surfaces polished and worn. Estimated external D. 8 cm . Width 8 mm. T. 12 mm . Site 3(61) SF174. |
| 620 | Copper alloy buckle from a small strap-end. It is incomplete, D-shaped with the straight bar broken. Heavy corrosion has removed most of the metal but probably of rounded cross-section. Size $14 \times 9 \mathrm{~mm}$. T. 2.5 mm . Site 3(61) SF176. |
| 621/1667 | Crucible, two joining sherds giving profile of large crucible, Form B3. Fabric C2b. Flat base T. 10 mm , incurving wall with rounded basal angle. Estimated D. 90 mm . Height 38 mm . 621: Site 3(61) SF182; 1667 site 3(92) |
| 621/2-3 | Crucible lid sherd and bodysherd, Form C. Fabrics C2a, C2b. Size 27, 26. Site 3(61) SF182 |
| 622 | Iron irregular fragment of thick curved sheet with possible slaggy deposits in interior. Possibly part of vessel. $60 \times 65 \mathrm{~mm}$., T. 11 mm . Site 3(61) SF182 |
| 623 | Unworked pebble Site 3 (61) |
| 624 | Crucible lid sherd and part of lip, Form C. Fabric C2a, relined with C2c. Size 30 mm. Site 3(61) SF195 |
| 625 | Flints. Site 3 (61) SF189 |
| 626 | Flints. Site 3 (61) SF186 |
| 627 | Unworked pebble Site 3 (61) |
| 627 | Clay nodule. Site 3 (61) SF181 |
| 628 | Slag. Site 3 (61) SF187 |
| 629 | Flint. Site 3 (61) SF178 |
| 630 | Crucible handle from lid, Form C. Rectangular $12 \times 7 \mathrm{~mm}$. Height about 20 mm . Fabric C2a. Site 3(61) SF192 |
| 631 | Bone. Site 3 (US) sieving. |
| 632 | Crucible bodysherd, Form C. Fabric C2a. Size 16 mm . Site 3(US) |
| 633 | Slag. Site 3 (US) sieving. |
| 634 | Unfired clay Site 3 (US) 1 g |
| 635 | Iron, two unidentifiable fragments. Site 3 (US) |
| 636 | Unworked pebble Site 3(61) |
| 636 | Slate pebble. Site 3 (61) |
| 637 | Mould, edge of hoop. Site 3(61) SF183 |
| 638 | Fire-cracked pebble. Site 3 (61) |
| 638 | Fire-cracked pebble. Site 3 (61) |
| 639 | Iron ore. Site 3 (61) |
| 640 | Iron bar fragment. L. 24 mm . Site 3(61) |

Unfired clay Site 3 (61) 2
Root fragment. Site 3(61)
Unworked pebble Site 3 (61)
Unworked piece of schist with four sharpening grooves on one surface. Size $90 \times 5$ cm . T. 4 mm. Site 3(61).
Stones. Site 3 (61) sieving.
Bone. Site 3 (61) sieving.
Crucible rim sherd, Form C. Fabric C2b. Size 28 mm . Trace of lid attachment. Exterior slaggy. Site 3(61) sieving
Crucible rim sherd, Form C? Fabric C2a. Size 24 mm. Exterior vitrified. Site 3(61) sieving
Crucible bodysherd, Form D? Fabric C2. Size 15 mm . Site 3(61) sieving
Fragment of large polychrome bead. The fragment is a protruding knob of opaque yellow glass, with the outer surface decayed to orange-yellow. The knob measures 7 mm . across and is partly sunk into the body of the bead but not marvered in. The main body colour is a translucent pale greenish-blue. Into this is marvered a Stwisted cable of opaque white and pale greenish-blue glass. The cable runs round the knob and is overlain by the opaque yellow. The body glass has bubbles and is an identical colour to the translucent part of the cable. The curvature of the edges show that this is part of a much larger bead of tripartite 'string' bead type. Size 8 x $8 \times 4 \mathrm{~mm}$. Site 1 (US) SF29.
Iron, six unidentifiable fragments. Site 3(61) sieving
Mould, part of curving edge with recessed panel - perhaps edge of large decorated brooch. Site 3(61) SF197
Iron nail shaft? fragment, totally corroded. L. 32 mm . Site 3(61) sieving
Slag. Site 3 (61) sieving.
Iron triangular sheet bent into loop at narrow end. Traces of nail hole at broad end, which is incomplete. Possibly part of a hinge. L. 69 mm ., W. 19 mm . Site 3(63) SF199
Almost complete lower valve, front face of small highly decorated bird-head brooch with square-ended hoop panel. The terminals have opposed incurving beaks with raised margins. The eyes, D. 6 mm ., fill the entire head and have raised margins and sunken interiors. The hoop also has a raised margin and within the sunken field is a pattern of relief interlace decoration (Allen 1903, no.653). The hoop panel stands in relief above the hoop and is wider than the hoop. The sides of the hoop, the eye and the beak slope outwards at a steep angle and have milled decoration, but this does not extend onto the hoop-panel. Negative keying; two dowel holes, one in the centre, one at the margin and one slash mark on outer margin. Mould thickness 7 mm . Hoop D. 28 mm ., T. of brooch as cast 2 mm . Site 3(61) SF196
Mould Site 3(64)SF220 1 frag
Iron rod, tapering slightly, broken at both ends. L. 49 mm ., section 9 x 11 mm . Site 3(64) SF214
Copper alloy sub-rectangular plate hammered flat from a rod. Low-lead bronze . One end is cut, the other is perhaps original. Size $26 \times 11 \mathrm{~mm}$. T. 0.5 mm . Perhaps an offcut from a semi-manufactured piece. Site 3(64) SF203.
Unworked pebble Site 3 (64)
Small fragment of lower valve of type G brooch. Ends of two terminals with transverse ribs. Traces of central lozenge. Negative marginal keying. Site 3(61) Mould, part of ring. Very gritty mould fabric. Site 3(64) SF207
Mould, part of brooch hoop, flat back 8 mm . wide. Large D. Site 3(64)SF 207
Iron tapering strip, broken at both ends, bent. L. 44 mm ., section 11 x 4 mm . Site 3(64) SF217
Iron bent rod. L. 31 mm ., section $3 \times 3 \mathrm{~mm}$. Site 3(64) SF206
Mould Site 3(64)SF204 1 frag
Iron section of tapering conical ferrule, incomplete at both ends. L. 24 mm., W. 14 mm . Site 3(64) SF218
Iron, complete small knife blade and tang. Type 1. Tang central, rectangular section. Blade reduced by whetting. Overall L. 91 mm ., W. 13 mm ., tang L. 30 mm . Site 3(64) SF202
Crucible rim sherd, Form B?4. Fabric C2a. Size 33 mm. Large vessel height greater than 32 mm , with carinated wall. Site 3(64) SF201
Iron pointed end of knife blade, Type $1 / 2$, end curved not angled. L. 58 mm ., W. 16 mm. Site 3(64) SF208
Large fragment of lower valve front? face of Type G brooch. Hoop D. 30 mm ., width 5 mm ., rounded cross-section. One terminal, showing single broad transverse ribs at both ends and shallow ill-defined lozenge and facets. Traces of a sunken lozenge. Ingate runner broad, tapering slightly towards ingate feeder which is flat sectioned. Negative keying; marginal slash marks, no central key. 668: Site 3(64) SF221; 2214/1: 3(65) SF270.
tapering. Blade reduced by whetting. Overall L. 93 mm ., W.. 10 mm ., tang L. 33 mm. Site 3(64) SF 226
$\begin{array}{ll}670 & \text { Iron strip, tapering to one end. L. } 30 \mathrm{~mm} ., \text { W. } 7 \mathrm{~mm} . \text { Site 3(64) SF223 } \\ 671 & \text { Mould Site 3(64)SF200 1 frag. } \\ 672 & \text { Mould, part of ring and ingate?. Site 3(64) SF209 } \\ 673 & \text { Small part of lower valve with part of large flat disc, D. c. } 30 \mathrm{~mm} . \quad \text { Site 3(50) } \\ & \text { SF215 } \\ 674 & \text { Part of lower valve for faceted head pins. The pin has a spherical head, D. } 6 \mathrm{~mm} .\end{array}$ decorated with a series of rough facets. Part of a second pin survives on the edge of the mould. There are traces of silver? corrosion products in the pin heads. Shaft is of circular section, D. 3 mm ., length greater than 12 mm . Site 3(64) SF222
Iron unidentifiable fragments. Site 3(50) SF216
Large part of upper valve, back face of penannular brooch. The hoop and terminals are flat, surviving only as discolouration or slight impressions. Hoop D. 41 mm ., width 5 mm . Hoop panel, length 16 mm ., form unknown. The terminal form is obscure, but seems to be square-ended with rectangular protrusions. Positive keying, central boss. 676: Site 3(64) SF210; 680: 3(64) SF211; 833: 3(65) SF268; 835: 3(65) SF265
677 Iron unidentifiable fragment. Site 3(64) SF213
Crucible rim sherd, Form C. Fabric C2a. Size 25 mm . Site 3(64) SF212
Iron, complete clench rivet. L. 36 mm . Head $18 \times 16 \mathrm{~mm}$. Site 3(64) SF224 Mould See 676
Crucible handle from lid?, Form C. Fabric C2a. Triangular shape. Height 18 mm . Section 4-6 mm. Site 3(65) SF232
Iron tapering rod of square section. L. 37 mm ., section $4 \times 4 \mathrm{~mm}$. Site 3(66) SF235
Furnace lining Site 3(65) SF231 1g
Iron strip. L. 19 mm . site 3(65) SF267
Iron rod twisted in figure-of-eight, ends flattened. possibly originally a staple. L. 150 mm . site 3(65) SF269
Bone and tooth. Site 1 (1b)
686
Numerous fragments of clear glass forming a bottle with tapering neck and ringed mouth. The exterior surface has a stippled effect. Raised lettering occurs approximately midway on the bottle GREENOCK APO... CARIES [apothecaries]. T. 5.5 mm . 687 Site 1 (1a); 792 Site 1 (16).

689
690
691.

Bone. Site 1 (1a)
Iron ore. Site 3 (61)
Burnt bone. Site 3 (61)
Iron ore. Site 3 (61)
Oval piece of roughly worked schist with a notch on one side. Size $5 \times 4.5 \mathrm{~cm}$. T. 6 mm . Site 3(61).
Bone. Site 3 (61)
Tooth. Site 3 (61)
Fired clay Site 3(61) 15g
Irregular lump of fired clay, probably from oven or pottery. Buff. Size 4 cm . Fabric B3. Site 3(61).
Crucible lid sherd, Form C. Fabric C2a. Pouring edge and part of attachment to body. Size 16 mm . Site 3(64)
Burnt bone. Site 3 (64)
Slag. Site 3 (64)
Iron, part of strip or blade, both ends broken. L. 36 mm ., W. 33 mm . Site 3(64)
Flint. Site 3 (64)
Iron ore. Site 3 (64)
Furnace lining Site 3(64) 1g
Unfired clay Site 3 (65) 2 g
Tiny body sherd. Abraded. Max. size $3 \mathrm{~cm}, \mathrm{~T} .6 \mathrm{~mm}$. Fabric A3. Colour soot/buff. Site 3 (64).
Mould Site 3(64) 10 frags
Iron ore. Site 3 (64)
Bone. Site 3 (64)
Unworked pebble Site 1 (1)
Bone. Site 1 (1)
Bog ore. Site 1 (1)
Iron, undamaged nail, square tapering shaft, rectangular head. L. 56 mm . Site 1(1)
Slag. Site 1 (1)
Burnt bone. Site 1 (1)
Large piece of schist partially worked into sub-rounded shape. Size $8 \times 1 \mathrm{~cm}$. Site 3(62).
714/2 Small roundel of schist, roughly worked. D. 16 mm . T. 5 mm . Gaming piece? Site 3(62).

Schistose limestone. Site 1 (62)
Iron rod of square section, bent, tapering at one end. L. 130 mm ., section $10 \times 7$
mm . Site 3(62)
Iron tapering nail shaft. L. 41 mm . Site 3(62)
Iron unidentifiable fragment. Site 3(62)
Burnt bone. Site 3 (62)
Flint. Site 3 (62)
Bone and teeth. Site 3 (62)
Iron objects. Site 3 (62)
Fired clay Site 3(62) 20g
Mould, very abraded brooch? with central key. Site 3(62)
Mould, ingate feeder and part of large object. Site 3(62)
Mould Site 3(62) 6 frags
Iron ore. Site 3 (62)
Slag. Site 3 (62)
Slag. Site 3 (62)
Iron ore. Site 3 (62)
Iron, part of large bolt with decorative hollow dome head. Head D. 40 mm ., shaft $10 \times 8 \mathrm{~mm}$. Site 3(62)
Shotgun cartridge, 12 bore. Site 3 (62).
Unfired clay Site 3 (62) 22g
Burnt bone. Site 3 (62) sieving.
Iron object. Site 3 (62) sieving.
Slag. Site 3 (62) sieving.
Unfired clay Site 3 (62) 1g
Mould Site 3(62)
Mould Site 3(62) 1 frag
Rectangular block of unworked schist with a bar-shaped ingot mould. The mould has rounded ends and is 105 mm . long, $c .10 \mathrm{~mm}$. wide and 5 mm . deep. Much of the upper surface has flaked away. Black deposits stain part of the mould groove. Size $18 \times 8 \times 2 \mathrm{~cm}$. Site 3(67).
Flint. Site 3 (50)
Burnt bone. Site 3 (50)
Charcoal. Site 3 (50)
Iron ore. Site 3 (50)
Iron rod fragment. L. 19 mm . Site 3(50)
Unfired clay Site 3 (50) 6g
Burnt bone. Site 3 (64)
Flint. Site 3 (64)
Charcoal. Site 3 (64)
Unworked stone. Site 3 (64)
Clay nodule. Site 3 (64)
Mould Site 3(64) 2 fragments
Mould Site 3(64) 1 frag
Iron ore. Site 3 (64)
Stone with concretion. Site 3 (64)
Iron ferrule, conical, badly corroded. L. 54 mm ., section $15 \times 17 \mathrm{~mm}$. Site 3(64)
Iron sheet fragment. Site 3(64)
Flint. Site 3 (66) SF273
Flint. Site 3 (65) SF271
Crucible handle from lid or body, Form C or D. Fabric C2a. Oblong, height 13 mm ., section $6 \times 4 \mathrm{~mm}$. Site 3(65) SF265
Crucible rim and pouring lip, Form C. Fabric C2a. Part of lid attachment remains, heavy vitrification on exterior. Height greater than 30 mm . Size 35 mm . Site 3(66) SF229
Fired clay Site 3(66)/SF234 20g
Crucible bodysherd, Form ?. Fabric C2a. Site 3(66) SF237
One quarter of an upper valve, back face, of a small bird-head brooch. The surface is flat, showing two opposed incurving raptor beaks and the outline of one head. There are signs of a transverse rib at the junction of the head and hoop. Positive keying, central boss and marginal slashes. Hoop D. 20 mm . Hoop width 2 mm . Size and design identical to 1098 but valves do not fit and fabrics differ. Site 3(66) SF236
Iron ore. Site 3(66)
Schist. Site 3 (66) SF238
Damaged fragment of lower valve, back face of Type $G$ brooch. Edges of both terminals visible showing single transverse ribs and corner of lozenge. Hoop flat in section. Estimated D. c. 30 mm . Much abraded. Site 3(65) SF230

Slag. Site 3 (65) SF244
Unfired clay Site 3 (65) 18 g
Clay nodule. Site 3 (65) SF228
Part of lower valve of multiple pin mould for faceted head pins. One pin has a flattopped spherical head with two rows of eight facets. Max. width 6 mm . Pin shaft of circular section, D. 3 mm . Traces of a second pin survives on broken edge. Probably the same pin type as 674 which is less well preserved. Site 3(65) SF261
Mould Site 3(65)SF256 1 frag
Clay nodule. Site 3 (65) SF248
Iron sheet fragment with rivet. L. 33 mm . Site 3(65) SF251
Iron, tapering fragment. L. 21 mm . Site 3(66) SF276
Iron, half of ring of square section, with welded seam. D. 28 mm . Site 3(69) SF298
Part of semi-circular cylindrical mould with obscure circular impression linked by a channel to another worn feature. Site 1(22) SF31.
Iron rod fragment. L. 37 mm ., section $4 \times 4 \mathrm{~mm}$. Site 3(65) SF242
Part of a lower valve, front face of penannular brooch. Almost half the brooch survives. Hoop D. estimated 30 mm ., width 4 mm ., rounded half-section. Raised hoop-panel, square-ended, flat topped. The terminal is separated from the hoop by a cusp with raised border. The terminal is circular with raised border and sunken centre, possibly for inset. There is a trace of a projection from the outer edge of the terminal, suggesting a bird-headed terminal or other form rather than a simple circular terminal. Negative keying, central finger impression. Site 3(66) SF277 Iron circular ?bolt head. D. 25 mm. T. 10 mm . Site 1(22) SF30
Iron, tapering rod, possibly nail shaft. L. 26 mm . Site 3(65) SF240
Gold and garnet stud. A small circular setting of very fine workmanship. A central cabochon garnet, 4 mm . in diameter and 1 mm . thick, is set in a gold cylinder and held in place by the peened over top of the cylinder. The outside of the cylinder is decorated with three rows of filigree wire placed vertically above each other. The uppermost is a simple beaded wire with a lateral line across the beads, and c.0.4 mm . thick. The middle wire is a twined triple-strand beaded wire formed from three wires similar in beading to the uppermost, but thinner. The joins of the three wires are staggered, only one being visible. The lower wire is again a simple beaded wire, thicker than the upper and with a different profile of beading, lacking the lateral line, thickness $c .0 .6 \mathrm{~mm}$. The wires are all soldered to the cylinder and the joins are expertly made. Beneath the garnet is a gold foil with a square grid of hatched lines. The grid is simple with lines at a spacing of 5 per mm . Beneath the foil is a circular backing disc of white crystalline material with a central hole. This is broken and has partly fallen out. Beneath this again is a gold back-plate soldered to the inside walls of the cylinder. This plate also has a central hole about 1.5 mm . in diameter. Presumably this originally held a gold rivet, as there are traces of solder around the hole and signs of forceable removal. Traces of a dark brown resinous substance on the underside of the lowest filigree suggest that a glue was used in addition to the rivet to attach the stud to the main body of the object. The gold is bright golden-yellow colour, the garnet a deep ruby-red. The solder is indistinguishable in colour from the gold. Dimensions: overall height 2.9 mm . Overall width 5.6 mm . Thickness of gold sheeting for cylinder and back-plate $0.1-$ 0.2 mm . External diameter of cylinder 4 mm . Back-plate set 0.9 mm . above the base. Thickness of white disc 0.5 mm . The garnet is now loose in the setting. The stud shows considerable signs of wear on the outside surfaces with gold wires being flattened and worn. Site 3 (69) SF301.
Mould 3(65)SF245 1 frag
Small fragment of a polychrome glass armlet. The body is of translucent pale bluegreen wound glass with many streaks and bubbles. Part of the inner and upper surface remain, showing a thick D-shaped section. Patches of opaque yellow and opaque red glass are on the upper surface. The fragment is very abraded. Size 11 x $10 \times 9 \mathrm{~mm}$. Site 3 (69) SF302.
Iron triangular sheet fragment, possibly knife tip. L. 28 mm . Site 3(66) SF274
Unfired clay Site 3 (65) 6 g
Base of tiny crucible, Form? D. Fabric C2a. Size 16 mm. Site 3(64)
Burnt bone. Site 3 (64)
Charcoal. Site 3 (64)
Iron ore. Site 3 (64)
Fired clay Site 3(64) 16g
Flint. Site 3 (64)
Iron strip with hole. L. 35 mm ., W. 17 mm . Site 3(64)
Iron, small fragments of rods. Site 3(64)
Slag. Site 3 (64)
Burnt bone. Site 3 (64)
Iron ore. Site 3 (64)

Mould Site 3(64) 1 frag
Modern glass see 687.
Bone. Site 1 (1b)
Burnt bone. Site 1 (1b)
Iron nail with wood attached. Modern? L. 43 mm . Site 1(1b)
Burnt bone. Site 3 (65)
Bone. Site 3 (65)
Unworked pebble Site 3 (65)
Crucible rim of Form C. Fabric C2a. Traces of lid attachment, exterior vitrified.
Size 25 mm . Site 3(65)
Charcoal. Site 3 (65)
Fired clay Site 3(65) 13g
Iron ore. Site 3 (65)
Iron ore. Site 3 (65)
Unfired clay Site 3 (65) 4g
Iron, irregular sheet fragment. $20 \times 30 \mathrm{~mm}$. Site 3(65)
Burnt bone. Site 3 (61)
Small fragment of lower valve, front face, of part of terminal from large decorated penannular. The decoration consists of recessed panels. The one nearer the hoop is a cusp, and the other is sub-rectangular with one edge concave and the other convex. The diameter of the brooch is large, probably around 90 mm . Negative keying, slash mark on outer edge. T. of brooch as cast $c .4 \mathrm{~mm}$. Site 3(61)
Iron ore. Site 3 (61)
Flint. Site 3 (61)
Burnt bone. Site 3 (66)
Fired clay Site 3(66) 1g
Furnace lining Site 3(62) 5g
Burnt bone. Site 3 (62)
Moulds Site 3(62) 6 frags
Charcoal. Site 3 (62)
Modern plastic. Site 3 (62)
Crucible rim of Form E. Fabric C2a. Badly cracked and heavily vitrified inside and outside. Size 33 mm . Site 3(62)
Iron ore. Site 3 (62)
Iron ore. Site 3 (62)
Flint. Site 3 (62)
Unfired clay Site 3 (62) 7g
Object of fired clay. Knob or handle of clay broken at both ends. Grey. Fabric C1. Function unknown. Size $20 \times 25 \mathrm{~mm}$. Site 3(62).
Iron fragments of strips. Site 3(62)
Puffball. Modern. Site 1(1b)
Aluminium tin foil. Site 1 (18).
Body sherd of E ware. Small fragment of a large vessel. T. 5mm. Max. size 2 cm . Fabric A1 but badly burned giving a reddish brown colour. Abraded and spalled. Site 3(64).
Mould Site 3(65)SF263
Edge of lower valve for rectangular bar? thickness 6 mm . Site 3(65) SF262
Clay nodule. Site 3 (65) SF247
Fired clay Site 3(65) SF257 5g
Mould Site 3(65) 1 frag
Mould, multiple ingate with part of hoop. Site 3(71) SF227
Crucible fragment Site 3 (65) SF255
Mould see 676
Mould Site 3(65)SF264 5 frags
Mould see 676
Mould Site 3(65)SF265 1 frag
Mould Site 3(65)SF258
Tiny fragment of upper valve, of Type G brooch. Part of one terminal showing single transverse ribs and ill-defined central lozenge. Much abraded. Site 3(70) SF332
Furnace lining Site 3(65) 5g
Crucible rim of Form C. Fabric C2a. Large crucible with lid attachment and heavy slagging on exterior. Height greater than 25 mm . Additional layer on top of slaggy surface. Size 37 mm . Site 3(66) SF 272
Crucible rim of Form C. Fabric C2a. Size 23 mm. Lid attachment and vitrification on exterior. Site 3(66) SF272
Part of upper valve, front face of small Type G brooch. Hoop rounded in section, D. 22 mm ., width 3 mm . Terminals with broad single transverse ribs. Corners facetted with central lozenge sunken, containing decoration of ring with central dot
in relief. Positive marginal keying. Site 3(66) SF278
About half of lower valve, back face of small Type G brooch. Hoop and terminals flat in section D. 18 mm ., width 2 mm . Sub-rectangular terminals with ends of single transverse ribs protruding. Negative keying, central dowel hole and marginal slashes. Site 3(69) SF299.
Crucible rim of Form C. Fabric C2a. Lid attachment and slag on exterior. Size 27 mm. Site 3(65) SF259

Iron rod of rectangular section, one end with crook headed loop. Probably end of a key. L. 43 mm ., section $3 \times 3 \mathrm{~mm}$. Site 3(70) SF331
Almost complete front face of Type G brooch. Hoop rounded in section, D. c. 36 mm ., width $c .5 \mathrm{~mm}$. Terminals with broad transverse collars, each with two longitudinal grooves forming three ribs. Central lozenge ill-defined by corner facets, damaged, but may show sunken field with raised ring ornament. Site 3(66) SF279.
Large piece of fired clay. Sub-rectangular moulded with an irregular base and broken along one edge. Top side blackened. Farbic C5 pale blue grey. Size $8 \times 4$ x 3 cm . Perhaps part of a hearth base or kiln furniture. Site 3(45) SF249.
Crucible lid sherd of Form C. Fabric C2b. Knob badly abraded but rectangular in section. Size 60 mm . Large crucible, estimated D. c. 80 mm . 846 : Site 3(65) SF252; 851 Site 3(69) SF300
Mould Site 3(65)SF241
Mould Site 3(66)SF280
Mould Site 3(66)SF280 1 frag
Furnace lining Site 3(66) 5g
Mould Site 3(66)SF275
Mould, part of ring and ingate? or link channel. Site 3(66) SF275
Fired clay Site 3(66)/SF275 5g
Crucible see 846
Iron, tapering rod. L. 33 mm . Site 3(70) SF326
Mould, ingate, feeder and part of ring. Site 3(70) SF 328
Crucible bodysherd of Form C or D. Fabric C2a. Extra outer layer, highly vitrified. Size 43 mm . Site 3(65) SF250
Iron ore. Site 3 (70) SF329
Iron sheet fragment, possibly two sheets riveted together. Size $23 \times 24 \mathrm{~mm}$. Site 3(68) SF253
Iron tapering rod, square section. L. 48 mm . Site 3(69) SF317
Iron ore. Site 3 (65) SF254
Iron tapering rod, probably nail shaft. L. 47 mm . Site 3(69) SF309
Part of an upper valve, front face of a Type $G$ brooch. Hoop rounded in section, D. $c .34 \mathrm{~mm}$. Terminals bound by broad transverse collars, each with two longitudinal grooves forming three ribs. Central lozenge plain, facets well defined. Keying positive, large central boss. Site 3(69) SF319.
Mould Site 3(69)SF316 2 frags
Part of lower valve, front face of penannular brooch. Only the ingate and upper part of the hoop remain. Hoop D. c. 30 mm ., width 4 mm ., appears to have a recessed surface. There is a hoop panel with square ends, length 11 mm . In the centre is a boss 2 mm . square. The panel is recessed and appears to expand around the boss to a width of 6 mm . The feeder channel is crudely cut and the ingate flat sectioned. Badly abraded. Site 3(69) SF316
Small fragment from a vessel of translucent yellow-green glass. Vessel form indeterminate. Slight curvature in two places suggests from near base. T. 1 mm , good quality glass with a few bubble trails. Size $11 \times 8 \mathrm{~mm}$. Site 3 (69) SF310. Small fragment of lower valve, back? face of Type G brooch. Hoop elliptical in section. One terminal with faint single transverse ribs and ill-defined lozenge. Negative marginal keying, groove impressions. Site 3(69) SF306
Part of upper valve of flat back? of object consisting of a circular disc and triangular attachment. Possibly a mount. Site 3(69) SF305
Hazelnut fragment Site 3(69) SF315
Small part of terminals of large penannular brooch, back face. Only the ends of the terminals remain showing square ends with a central protrusion giving the terminal a frilled appearance. Width of terminal 15 mm . Site 3(69) SF315
Iron irregular fragment of sheet. $40 \times 35 \mathrm{~mm}$. Site 3(69) SF318
Iron nail shaft. L. 32 mm . Site 3(69) SF308
Iron rod, bent. Round section. L. 25 mm . Site 3(69) SF312
Shotgun cartridge, 12 bore. Site 3, (65) within area of (101).
Mould, multiple ingate. Site 3(66) SF288
Mould Site 3(65)SF287
Mould edge of hoop. Site 3(67) SF339
Fragment of a split round millefiori rod of colourless and brown glass. The piece has the appearance of a tube as the central cane is missing. The body is a drawn cane of purplish brown translucent glass containing numerous thin parallel white rods. These rods are actually of colourless glass and are marvered into the cane.

One colourless thin rod survives unmarvered on the outer surface of the cane and traces of others can be seen where they have broken off. Presumably broken in the course of manufacture. Length 22 mm ., D. 6.5 mm . Site 3 (67) SF340.
Mould, part of thick mould for large brooch? Site 3(66) SF 282
Mould Site 3(66)SF289 5 frags
Slag. Site 3 (65) SF284
Part of an upper valve for an annular ring with triangular attachment. The ring D. $c .14 \mathrm{~mm}$. is 3 mm . wide with a flat section. Possibly a fastener. Site 3(66) SF281
Iron ore. Site 3 (66) SF290
Iron binding strip, tapering slightly in width. Broken at right-angled bend. L. 35 mm ., W. 7 mm . Site 3(70) SF321
Iron arrowhead or crossbow bolt. Head with square section, kite-shaped. Attached to a shaft of circular section, waisted at junction with head and expanding towards possible socket. Incomplete at both ends. L. 95 mm ., max. section $7 \times 7 \mathrm{~mm}$. Site 1(1) SF28
Part of mould with tiny part of flat-topped? pin head. Site 3(70) SF322
Iron pan. Site 1 (23) SF23
Crucible rim sherd, Form E. Fabric C2a. Vitrified inside and outside. Slaggy dross with charcoal on inside. Size 27 mm . Height greater than 25 mm . Estimated D. 50 mm . Site 3(69) SF313
Furnace lining Site 3(69) 5g
Crucible handle, Form D. Fabric C2a. Rectangular, section $18 \times 6 \mathrm{~mm}$., length about 15 mm . Shows signs of characteristic folding. Site 3(70) SF 323
Large part of lower valve, front face of Type G brooch. Hoop rounded in section, D. 36 mm . Width $c .6 \mathrm{~mm}$. Terminals bounded by broad collars with traces of central groove forming two ribs on each. Central lozenge well defined, slightly sunken. Positive keying, large central boss pushed through from lower surface. Site 3(71) SF198
Iron object Site 3(70) SF325
Crucible rim sherd, Form A or possibly D. Fabric C2a. Exterior vitrified, interior slag and metal dross. D. 16 mm . Height greater than 30 mm . Site 3(70) SF333 Iron pin head and upper part of shaft. Head is drum-shaped with rounded top, line of tinning around bottom end. Shaft bent, circular section, D. 3 mm . L. 24 mm ., head $10 \times 8 \times 7 \mathrm{~mm}$. Probably stick pin. Site 3(70) SF320
Circular disc of phyllite with central perforation of hour-glass shape, D. 5 mm . The edges of the disc have been pecked smooth, the upper and lower surfaces are naturally smooth. One face is partly flaked away. D. $c .50 \mathrm{~mm}$. T. 11 mm .
Spindle whorl? Site 1(26) SF36.
Mould, edge of hoop. Site 3(70) SF335
Iron pan. Site 1 (25)
Iron knife blade and tang, badly corroded. Type 1. Tang in line with cutting edge, tapering. Blade heavy, tip missing. L. 117 mm ., W. 22 mm . Blade L. 78 mm . Site 1(24) SF33
Iron, almost complete ring, irregular shape. D. 22 mm . T. 3 mm . Site 1(19) SF32
Iron, almost complete ring. D. $13 \mathrm{~mm} ., \mathrm{T} .3 \mathrm{~mm}$. Site 1(19) SF32
Fired clay. Site 3 (67) SF304
Mould, ingate and ?part of hoop. Site 3(67) SF297
Iron ore. Site 3 (66) SF292
Body sherd, form indeterminate. Max. size 3 cm . T. 6 mm . Fabric A3, pale pinkorange with carbon on exterior. Heavily abraded. Site 3(67) SF307.
Iron hook, tapering rod of circular section, both ends incomplete. L. 47 mm . Site 3(67) SF296
Body sherd from globular 'F-ware' vessel. Exterior smoothed, interior flaking. Fabric A2, pinkish buff. Estimated D. 18cm. Max. size 5 cm . Abraded. T. 4 mm . Site 3(70) SF327.
Furnace lining Site 3(65) SF286 30g
Slag. Site 3 (70) SF324
Iron ore. Site 3 (70) SF 324
Mould Site 3(66) SF294 5 frags
Unfired clay Site 3 (66) 3g
Fired clay Site 3(66) SF294 1g
Iron, unidentifiable fragments. Site 3(66) SF295
Iron ore. Site 3 (66) SF295
Copper alloy rod in semi-manufactured state. One half of the rod is circular in section, the other roughly square. The end of the square half is rounded and looks cut or hammered. This is apparently a circular-sectioned rod in the process of being hammered into a rectangular section. Length 34 mm . Thickness $1.5-2 \mathrm{~mm}$. Slightly twisted. Site 3 (70) SF330.
Unworked pebble Site 3 (66)
Crucible rim sherd, Form C. Fabric C2a. Lid attachment visible. Slag on interior. Size 30 mm . Site 3(66)

| 911/2 | Crucible bodysherd, Form C. Fabric C2b. Lid attachment visible. Exterior vitrified. Size 25 mm . Site 3(66) |
| :---: | :---: |
| 911/3-5 | Crucible, three lid sherds, Form C. Fabric C2b and c. Sizes 27, 25, 15 mm . Remains of knobs on two sherds. Site 3(66) |
| 912 | Charcoal. Site 3 (66) |
| 913 | Burnt bone. Site 3 (66) |
| 914 | Unfired clay Site 3 (66) 4g |
| 914 | Fired clay Site 3(66) 21 g |
| 914 | Furnace lining Site 3(66) 5g |
| 915 | Small fragment of lower valve, front face of decorated Type G brooch. Hoop D. estimated $c .45 \mathrm{~mm}$. Terminals bounded by broad collars each with two longitudinal grooves forming three ribs. Lozenge well-defined, sunken field with raised circular pellet filling most of the area. One exterior facet is decorated with a simple double strand knot which is damaged but seems identical to those on 222. The other external facet is missing, but may have been similarly decorated. Negative keying, marginal grooves. Site 3(66) |
| 916 | Iron ore. Site 3 (66) |
| 917 | Hazelnut fragment Site 3(66) |
| 918 | Iron ore. Site 3 (66) |
| 919 | Iron unidentifiable fragments. Site 3(66) |
| 920 | Slag. Site 3 (66) |
| 921 | Flint. Site 3 (66) |
| 922 | Burnt bone. Site 3 (71) |
| 923 | Charcoal. Site 3 (71) |
| 924/1 | Iron corroded mass of stick pins, at least one with dome head. At least three, possibly six pinheads, all shafts incomplete. Max. L. 28 mm. Site 3(71) |
| 924/2 | Iron small tack with large head. L. 15 mm ., head $12 \times 7 \mathrm{~mm}$. Site 3(71) |
| 924/3 | Iron two washers. Sizes $12 \times 10 \mathrm{~mm}$. and $14 \times 12 \mathrm{~mm}$. Site 3(71) |
| 924/4 | Iron fragments of sheet and rod. Site 3971) |
| 925 | Unfired clay Site 3 (71) 13g |
| 926 | Flint. Site 3 (71) |
| 927/1 | Small fragment of lower valve, back? face of Type G brooch. Hoop D estimated $c$ 25 mm ., section flat?. Terminals bounded by single transverse ribs. Lozenge and facets ill-defined and shallow. Site 3 (71). |
| 927/3 | Mould, part of a ring. Site 3(71) |
| 927 | Mould Site 3(71) |
| 927 | Mould Site 3(71) 10 frags |
| 928 | Bone. Site 3 (71) |
| 929 | Iron ore. Site 3 (71) |
| 930 | Hazelnut fragment Site 3(71) |
| 931 | Iron ore. Site 3 (67) |
| 932/1 | Crucible rim sherd, Form C. Fabric C2b. Lid attachment visible, exterior slaggy. Size 27 mm . Site 3(67) |
| 932/2 | Crucible bodysherd, Form D? Fabric C2b. Exterior lightly vitrified. Size 30 mm . Site 3(67) |
| 933 | Iron tack with tapering shaft, sub-rectangular head. L. 23 mm . Site 3(67) |
| 934 | Charcoal. Site 3 (67) |
| 935 | Unfired clay Site 3 (67) 18g |
| 936 | Burnt bone. Site 3 (67) |
| 937 | Iron ore. Site 3 (67) |
| 938 | Iron ore. Site 3 (67) |
| 939 | Fired clay Site 3(67) 12g f |
| 940 | Mould Site 3(67) |
| 940 | Mould Site 3(67) 7 frags |
| 940/1 | Part of mould showing curving edge with slight rectangular offset. Site 3(67) |
| 941 | Burnt bone. Site 3 (65) |
| 942 | Charcoal. Site 3 (65) |
| 943 | Unfired clay Site 3 (65) 2g |
| 944/1 | Crucible bodysherd, Form ? Fabric C2a. Exterior has added layer over vitrification. Size 26 mm . Site 3(65) |
| 944/2 | Crucible bodysherd, Form ? Fabric C2a. Heavy vitrification exterior, slaggy interior. Size 20 mm . Site 3(65) |
| 945 | Unworked pebble Site 3 (65) |
| 946 | Flint. Site 3 (65) |
| 947 | Mould, part of a ring D. 20mm. Site 3(65) |
| 947 | Mould Site 3(65) 7 frags |
| 948 | Iron ore. Site 3 (65) |
| 949 | Fired clay Site 3(65) 7g |
| 950 | Iron rod, broken at both ends. L. $28 \mathrm{~mm} ., 3 \times 3 \mathrm{~mm}$. Site 3(65) |

Charcoal. Site 3 (69)
Crucible lid, form C. Fabric C2b. Vitrified exterior. Size 25 mm . Estimated D. 30 mm . Site 3(69)
Crucible rim, Form ? Fabric C2a. Size 17 mm . Site 3(69)
Flint. Site 3 (69)
Part of a bone pin or peg with a circular shaft D. 2.5 mm . One end is broken or cut, the other shows the base of a knob or pin head. Burnt. Length 13 mm . Site 3(69).
Burnt bone. Site 3 (69)
Iron ore. Site 3 (69)
Iron ore. Site 3 (69)
Fired clay Site 3(69) 68g
Mould Site 3(69) 26 frags
Fragment of mould showing re-entrant angle of flat plate. Just possibly a pin head c.f. 298. Site 3(69)

Most of a lower valve of ring or small brooch. Ring is round sectioned D. 21 mm ., width 2 mm . The feeder channel is triangular in section and plan, knife-cut leading to a flat ingate. Keying negative, marginal cuts. Site 3(69). 3 pieces of schist. Site 3 (69)
Polisher, oval river pebble of quartz, with faint trace of polish. Size $12 \times 7 \times 4 \mathrm{~cm}$. Site 3(69).
Rounded pebble of grey flint. D. 3 cm . Site 3(69).
Unworked piece of schist with a notch on one side. Size $75 \times 95 \mathrm{~mm}$. T. 10-15 mm . Site 3(69).
Crucible lid handle, Form C. Fabric C2b. Rectangular section $4 \times 14 \mathrm{~mm}$. Height 20 mm . Site 3(69)
Unfired clay Site 3 (69) 24 g
Iron ore. Site 3 (69)
Clay nodule. Site 3 (69)
Iron unidentifiable fragments. Site 3(69)
Burnt bone. Site 1 (1)
Bone. Site 1 (1)
Limonite. Site 1 (1)
Flint. $\quad$ Site 1 (1)
Schist. Site 3 (u.s).
Copper alloy rod broken at both ends. A round-sectioned rod. Length 31 mm . diam. 4 mm . Heavily corroded. Possibly part of a stick pin. Site 3 (71) SF341.
Iron, tapering rod with spatulate end. L. 39 mm ., W. 5 mm . Site 3(71) SF350
Iron, part of knife blade, bent and broken. L. 53 mm . W. 13 mm . Site 3(71) SF356
Iron rod of square section, broken at both ends. L. 73 mm ., section $3 \times 4 \mathrm{~mm}$. Site 3(71) SF354
Iron rod of square section. L. $41 \mathrm{~mm} ., 4 \times 3 \mathrm{~mm}$. Site 3(71) SF348
Iron staple, both arms broken off. L. 28 mm ., W. 3 mm . Site 3(71) SF338
Iron tack, badly corroded. L. 30 mm ., head $13 \times 16 \mathrm{~mm}$. Site 3(71) SF337
Iron bifurcating strip with two unequal and irregular pointed arms, made from two strips hammered together. Wide end incomplete. L. 44 mm . W. 13 mm . Function unknown, perhaps decorative. Site 3(71) SF336
Red Speck. Site 3 (71) SF352
Bone. Site 1 (22)
Unworked pebbles. Site 1 (22)
Bone. Site 3 (70)
Burnt bone. Site 3 (70)
Charcoal. Site 3 (70)
Iron ore. Site 3 (70)
Furnace lining Site 3 (70) 5g
Mould, edge of large object. Site 3(70)
Mould Site 3 (70) 8 frags
Crucible bodysherd, Form C. Fabric C2a. Extra internal layer. Exterior vitrified over lid attachment. Size 16 mm . Site 3(70)
Iron strip with part of hole or slot at one end. L. 27 mm . W. 10 mm . Site 3(70)
Iron ore. Site 3 (70)
Bone. Site 1(1)
Burnt bone. Site 1 (1).
Bone. Site 1 (1)
Burnt bone. Site 1 (1)
Iron ore. Site 3 (68)
Burnt bone. Site 1 (22)

| 998 | Bone. Site 1 (22) |
| :---: | :---: |
| 999 | Furnace lining Site 1(22) 5g |
| 1000 | Bone. Site 1 (US). |
| 1001 | Burnt pebble. Site 1 (1c) |
| 1002 | Burnt bone. Site 3 (71) |
| 1003 | Bone. Site 3 (71) |
| 1004/1 | Crucible bodysherd, Form C. Fabric C2a. Slaggy exterior over lid attachment. Size 27 mm . Site 3(71) |
| 1004/2 | Crucible base, Form? Fabric C2a. Slaggy interior, vitrified exterior. Size 20 mm . Site 3(71) |
| 1004/3 | Crucible lid sherd Form C. Fabric C2b. Size 30 mm . Site 3(71) |
| 1004/4 | Crucible lid sherd, Form C. Fabric C2b. Size 11 mm. Same vessel as 952/l. Site 3(71) |
| 1005 | Charcoal. Site 3 (71) |
| 1006 | Iron ore. Site 3 (71) |
| 1007 | Mould Site 3(71) 3 frags |
| 1007 | Mould Site 3(71) 7 frags |
| 1007/4,5 | Mould Site 3(71) |
| 1007/6,7,8 | Mould, parts of three rings. Site 3(71) |
| 1007/9 | Mould, small fragment of lower valve back? face of Type G brooch. Part of one terminal, bounded by single transverse ribs. Lozenge ill-defined. Site 3(71) |
| 1007/10 | Almost identical to $1007 / 9$, but the opposite terminal, possibly from same mould. Hoop rounded in section, estimated D. c. 32 mm ., width $c .6 \mathrm{~mm}$. Negative marginal keying grooves. Site 3(71). |
| 1007/11 | Part of lower valve, front face of small penannular brooch. Hoop and part of hoop panel? remain. The hoop, D. 22 mm. , width 3 mm ., has a stepped profile with raised borders. The inner border is higher than the outer. Within the recessed field is a raised longitudinal line. At one end of the hoop there is a raised semi-circular pellet D 3 mm . Whose surface is level with the inner border of the hoop. This could be the end of a hoop panel or, less likely, a terminal, or merely a raised circular pellet. Site 3(71). |
| 1008 | Fired clay Site 3(71) 40g |
| 1008 | Furnace lining Site 3(71) 10g |
| 1009 | Flint. Site 3 (71) |
| 1010 | Unfired clay Site 3 (71) 8g |
| 1010 | Fired clay Site 3(71) 5g |
| 1011 | Iron ore. Site 3 (71) |
| 1012 | Iron, fragment of rod with spiral flattened end, cf 427. $15 \times 30 \times 5 \mathrm{~mm}$. Site 3(71) |
| 1013 | Iron objects. Site 3 (71) |
| 1014 | Fired clay Site 3(71) 2g |
| 1015 | Slag. Site 3 (71) |
| 1016 | Clay nodule. Site 3 (71) |
| 1017 | Charcoal. Site 1 (27) |
| 1018 | Burnt Bone. Site 1 (27) |
| 1019 | Bone. Site 1 (27) |
| 1020 | Iron rod expanding to one end, nail shaft? L. 35 mm . Site 1(10) SF38 |
| 1021 | Iron rod tapering towards one end, both ends incomplete. $135 \times 4 \times 4 \mathrm{~mm}$. Site 1(24) SF37 |
| 1022 | Burnt bone. Site 1 (10) |
| 1023 | Bone. Site 1 (10) |
| 1024 | Burnt bone. Site 3 (69) |
| 1025 | Slag. Site 3 (69) |
| 1026 | Iron, unidentifiable fragment. Site 3(69) |
| 1027 | Charcoal. Site 3 (70) |
| 1028 | Burnt bone. Site 3 (70) |
| 1029 | Bone. Site 3 (70) |
| 1030/1 | Crucible rim sherd, Form C. Fabric C2a. Size 20 mm . Lid attachment and pouring lip. Site 3(70) |
| 1030/2 | Crucible bodysherd, Form ? Fabric C2a. Size 23 mm . Slaggy interior and exterior. Site 3(70) |
| 1030/3 | Crucible bodysherd, Form ? Fabric C2b. Size 18 mm . Site 3(70) |
| 1030/4 | Crucible bodysherd, Form? Fabric C2a. Size 15 mm . Vitrified exterior. Site 3(70) |
| 1031 | Mould Site 3(70) 2 frags |
| 1031 | Mould Site 3(70) 3 frags |
| 1031 | Crucible lid handle, Form C. Fabric C2b. Knob broken, size 17 mm, height 17 mm . Site 3(70) |
| 1031/1 | Mould, edge of rectangular plate with ingate? Site 3(70) |
| 1031/4 | Mould Site 3(70) |


| 1031/5 | Small fragment of upper valve, front face of double mould for Type G brooches. One terminal bounded by broad single transverse ribs. Central lozenge sunken with raised circular pellet filling most of field. Hoop D. small 25?mm. A feeder runs from one terminal rib to join the hoop of another brooch of similar size. Positive keying, marginal groove. Site 3(70) |
| :---: | :---: |
| 1032 | Fired clay Site 3(70) 9g |
| 1033 | Iron ore. Site 3 (70) |
| 1034 | Crucible lid handle, Form C. Fabric C2b. Knob rectangular, section $6 \times 12 \mathrm{~mm}$, height 18 mm . Site 3(70) |
| 1035 | Flint. Site 3 (70) |
| 1036 | Unfired clay Site 3 (70) 13g |
| 1037 | Iron ore. Site 3 (70) |
| 1038 | Iron knife tip. Triangular point, one edge bevelled on one side parallel to cutting edge. $23 \times 11 \mathrm{~mm}$. Site 3(70) |
| 1039 | Rootlet concretion. Site 3(71) |
| 1040 | Half of a cylindrical bead of opaque yellow and green glass. Wide central perforation, D. $c .5 \mathrm{~mm}$., and thin body only $c .1 \mathrm{~mm}$. thick. The wound body is of opaque yellow-green and bright green glass mixed in irregular streaks and whirls. The outer surface is ribbed and irregular. There is an applied trail of opaque yellow decayed glass in a wave running from top to bottom of the bead twice in the circumference. D. 7 mm ., Length 11 mm . Site 3 (82) SF371. |
| 1041 | Charcoal. Site 3 (84) |
| 1042 | Iron Ore. Site 3 (84) |
| 1043 | Burnt bone. Site 3 (84) |
| 1044 | Slag. Site 3 (84) |
| 1045 | Iron ore. Site 3 (84) |
| 1046 | Unfired clay Site 3 (84) 9g |
| 1047 | Iron tapering flattened rod. $28 \times 5 \mathrm{~mm}$. Tang? or awl? Site 3(84) |
| 1048 | Clay nodule. Site 1 (20) |
| 1049 | Charcoal. Site 1 (20) |
| 1050 | Bone. Site 1 (20) |
| 1051 | Burnt bone. Site 1 (20) |
| 1052 | Concretion. Site 1 (20) |
| 1053 | Iron pan. Site 1 (20) |
| 1054 | Oyster Site 1 (20) |
| 1055 | Charcoal. Site 1 (25) |
| 1056 | Natural concretion. Site 1 (25) |
| 1057 | Bone. Site 1 (25) |
| 1058 | Burnt bone. Site 1 (25) |
| 1059 | Fired clay Site 1(25) 2g |
| 1060 | Concretion. Site 1(25) |
| 1061 | Iron, bent nail or tack. Well-preserved, circular head and shaft. L. 32 mm . Site 1(20) SF47 |
| 1062 | Burnt bone. Site 3 (82) |
| 1063 | Flint. Site 3 (82) |
| 1063 | Iron ore. Site 3 (82) |
| 1064 | Iron ore. Site 3 (82) |
| 1065 | Iron, unidentifiable fragments. Site 3(82) |
| 1066 | Fragment of lower valve, back face of Type G brooch. Hoop and terminals flat in section, D. estimated 25 mm . One terminal damaged, other shows ends of transverse ridges and slight angling of facets. Negative keying, marginal slashes. Site 3(82) |
| 1066 | Mould Site 3(82) |
| 1067 | Fired clay. Site 3 (82) |
| 1068 | Fired clay Site 3(82) 1g |
| 1069 | Unfired clay Site 3 (82) 2 g |
| 1070 | Bone. Site 3 (83) |
| 1071 | Burnt bone. Site 3 (83) |
| 1072 | Flint. Site 3 (83) |
| 1073 | Unworked pebble Site 3 (83) |
| 1074 | Charcoal. Site 3 (83) |
| 1075 | Iron ore. Site 3 (83) |
| 1076 | Iron, unidentifiable fragments. Site 3(83) |
| 1077 | Mould Site 3(83) 1 frag |
| 1078 | Tiny fragments of copper alloy, unidentifiable. Site 3 (83). |
| 1079 | Unfinished roundel of schist with unsmoothed edges. D. c. 25 mm. T. 3 mm . ?Gaming piece. Site $1(20)$. |


| 1080 | Natural concretion. Site 1 (20) |
| :---: | :---: |
| 1081 | Iron pan. Site 1 (20) |
| 1082 | Hazelnut fragment Site 1(29) |
| 1083 | Rodent bones. Site 1 (29) |
| 1084 | Bone. Site 1 (29) |
| 1085 | Burnt bone. Site 1 (29) |
| 1086 | Charcoal. Site 1(29) |
| 1087 | Natural concretion. Site 1 (31) |
| 1088 | Burnt bone. Site 1 (31) |
| 1089 | Oyster fragments Site 1 (31) |
| 1090 | Bone. Site 1 (31) |
| 1091 | Iron stick-pin with globular head. Shaft circular section, not hipped, with sharp point. Conservation report states that head is of lead, though it is not visibly so. L. 41 mm ., D. shaft 3 mm ., D. head 4.5 mm . Site 3(81) SF377 |
| 1092 | Iron strip tapering to point, bent into semi-circle. Two possible rivet holes. $12 \times 4$ mm . Binding? Site 3(71) SF381 |
| 1093 | Iron paring chisel. Tapering bar, expanding from tang to wedge-shaped chisel point. $100 \times 11 \times 7 \mathrm{~mm}$. Site 3(82) SF375 |
| 1094 | Copper alloy rod, broken. Round sectioned rod tapering to a point (tip missing), other end broken. Length 35 mm . Thickness 4 mm . Heavily corroded. Similar to 973 and possibly part of it. Site 3 (82) SF384. |
| 1095 | Iron nail shaft. $32 \times 3 \mathrm{~mm}$. Site 3(82) SF373 |
| 1096 | Iron rod, square section. $46 \times 2 \times 2 \mathrm{~mm}$. Site 3(82) SF374 |
| 1097 | Large part of upper valve, back face of double mould showing one Type G brooch. Hoop elliptical in section, D. 22 mm ., width 2.5 mm . Terminals bounded by single transverse ribs. Facets shallow and lozenge ill-defined. Positive keying, central boss. The brooch impression is orientated so that the feeder channel must have joined the side of the hoop, which lies perpendicular to the axis of the brooch. Although broken at this point, the shape of the mould suggests another brooch mould lay here originally by comparison with 1031/5. Site 3(81) SF376 |
| 1098 | Virtually complete lower valve, front face of small bird-head brooch with squareended hoop-panel. The terminals have opposed incurving beaks. The eyes are small, D. 2 mm ., and stand in relief on the flat field of the head and beak. There is a raised transverse rib at the junction of the head and hoop. The hoop is rounded in section, D. 20 mm ., width 2 mm ., with a small rectangular hoop panel standing in relief. The ingate channel runs into the hoop panel. Negative keying; one central dowel-hole, two marginal slash-marks. Abraded. Size and form identical to 757, but valves do not fit. Site 3(82) SF372 |
| 1099 | Fragment of oil-shale armlet of round section. Polished surfaces are unworn. Estimated external D. 7.5 cm . Width 6 mm . T. 7 mm . Site 3(83) SF378. |
| 1100 | Decorative wrought iron object formed from two strips folded together. One forms a straight back with circular scrolls at both ends, the other a complex strip of folded openwork. $76 \times 13 \times 4 \mathrm{~mm}$. Firesteel? or pursemount? Site 3(83) SF379 |
| 1101 | Base sherd with string cut-off marks. Size 4 cm . T. $6-9 \mathrm{~mm}$. Fabric A3, pale orange. No sooting. Some abrasion. Site 3(71) SF380. |
| 1102 | Charcoal. Site 1 (28) |
| 1103 | Fired clay Site 1 (28) 2g |
| 1104 | Mould, part of a ring. Site 3(71) SF349 |
| 1105 | Iron, slightly bent strip. $68 \times 12 \times 3 \mathrm{~mm}$. Site 3(71) SF357 |
| 1106 | Part of lower valve, front face of penannular brooch. Hoop D. c. 42 mm., width 5 mm ., rounded half-section. At one end is a trace of a rounded terminal end, possibly a cusp. At the other there is a hoop-panel, not central. A rectangular boss $2.5 \times 4 \mathrm{~mm}$. separates this flat raised panel from the hoop. The panel is rectilinear and may have been decorated, but the surface is damaged. Negative keying, marginal cuts. Site 3(71) SF358. |
| 1107 | Iron, tapering rod, square section. $37 \times 4 \times 4 \mathrm{~mm}$. Site 3(71) SF346 |
| 1108 | Mould Site 3(71)SF351 |
| 1109 | Mould, small part of large circular? object. Appears to be part of a ring of circular half-section, width $c .16 \mathrm{~mm}$. There is a constriction reducing the width to $c .12$ mm . but retaining the annular form. Perhaps from a terret. Site 34(71) SF347 |
| 1110 | Central part of upper valve, front face of penannular brooch. Hoop D. 50 mm ., width 7 mm ., rounded in half section. Central hoop-panel, square-ended. The panel is recessed with raised borders, width 8 mm ., length 35 mm . The panel has not filled properly with clay giving it an irregular appearance. There may have been a raised rectangular boss at the junction with the hoop but the mould is damaged here (cf. 1106). The inner edge of both terminals are visible as semicircular outlines with raised margins. Positive central keying. The boss has been |
| 1111 | Body-sherd of $E$ ware vessel, probably from $E_{1}$ jar. Size 6 cm . T. 4 mm . Fabric A1, greyish-buff, exterior sooted. Some abrasion. D. of vessel $c .20 \mathrm{~cm}$. Site 3(81) SF369. |


| 1112 | Iron needle head. Needle shaft circular, head flattened with oval off-centre hole. Shaft mostly missing. $27 \times 5 \mathrm{~mm}$. Site 3(81) SF367 |
| :---: | :---: |
| 1113 | Iron, tiny punch, complete. Top peened over, upper part of circular section, waisted, lower part rectangular, tapering to point. Shape similar to $1298.44 \times 2.5$ x 2 mm . Site 3(81) SF366 |
| 1114 | Copper alloy rod of rectangular section. Length 44 mm . Section $3 \times 2 \mathrm{~mm}$. Apparently complete with squared off ends. Seems to be a semi-manufactured object cf. 909. Site 3 (79) SF344. |
| 1115 | Iron, two fragments of rod. $41 \times 3 \times 2 \mathrm{~mm}$. Site 3(81) |
| 1116 | Slag? Site 1(18) SF39 |
| 1117 | Complete upper valve, back face of small Type G brooch. Hoop and terminals flat in half-section. Hoop D. 18 mm ., width 2.5 mm . Terminals square-ended with traces of angles showing facets and transverse ribs. Keying negative, central dowel hole. Feeder channel irregular, roughly cut, ingate missing. Site 3(81) SF370 |
| 1118 | Mould Site 3(79) 3 frags |
| 1119 | Tiny fragment of clear glass. Badly scratched and fractured. Form indeterminate. Modern. T. 1.25 mm . Site 3, (79) SF 261. |
| 1120 | Charcoal. Site 3 (71) |
| 1121 | Ceramic ingot mould. Flat one-piece open mould with two U-shaped parallel channels on the upper surface. Broken on all edges. Depth of channels 5 and 7 mm . Width 6 mm . Max. length 27 mm . Fabric C5, buff to black, heavily burnt with carbon deposits. T. of mould 13 mm . Site $3(71)$. |
| 1122 | Iron ore. Site 3 (71) |
| 1123 | Iron ore. Site 3 (71) |
| 1124 | Slag. Site 3 (71) |
| 1125 | Iron bar, expanding at one end, covered in corrosion products. $38 \times 15 \times 8 \mathrm{~mm}$. Site 3(71) |
| 1126 | Iron, elongated hexagonal plate with two tangs projecting at right angles at either end. $67 \times 22 \mathrm{~mm}$. Decorative staple? Site 3(71) |
| 1127 | Burnt bone. Site 3 (71) |
| 1128 | Furnace lining Site 3(71) 30g |
| 1129 | Flint. Site 3 (71) |
| 1130 | Irregular slab of unworked phyllite with a notch at one end. Size $14 \times 11 \mathrm{~cm}$. T. 5 mm . Site 3 (71). |
| 1131 | Unworked pebble Site 3 (71) |
| 1132 | Large unworked boulder of epidiorite with a circular conical depression in one face. The sides of the hole, D. 30 mm ., depth 23 mm ., are smoothed and black deposits line the bottom. Possibly an ingot mould, not a socket-stone. Site 3(71). |
| 1133 | Mould, part of a ring, D. 16 mm ., width 3 mm . and ingate channel. Site 3(71) |
| 1133 | Mould Site 3(71) |
| 1134 | Flint. Site 3 (82) |
| 1135 | Crucible rim sherd, Form C? Fabric C2b. Size 17 mm . Site 3(82) |
| 1136 | Bone. Site 3 (82) |
| 1137 | Burnt bone. Site 3 (82) |
| 1138 | Slag. Site 3 (82) |
| 1139 | Iron ore. Site 3 (82) |
| 1140 | Iron ore. Site 3 (82) |
| 1141 | Iron, L-shaped strip. $15 \times 12 \mathrm{~mm}$. Site 3(82) |
| 1142 | Fired clay Site 3(82) 17g |
| 1143 | Bone. Site 1 (US). |
| 1144 | Charcoal. Site 1 (31) |
| 1145 | Bone. Site 1 (31) |
| 1146 | Burnt bone. Site 1 (31) |
| 1147 | Fragment of a large block of schist. There is a rectangular cut in one end, width 12 mm . This may be part of a broken ingot mould. Size $9 \times 7 \mathrm{~cm}$. Site 1(29/24). |
| 1148 | Flat oval river pebble of quartzite with signs of polish on both faces. One end broken. Size $15 \times 8 \times 2 \mathrm{~cm}$. Site 1(24). |
| 1149 | Flint. Site 1 (24 \& 29) |
| 1150 | Iron rod tapering at both ends, badly corroded. $66 \times 6 \times 5 \mathrm{~mm}$. Awl? Site 1(24)/(29) |
| 1151 | Bone. Site 1 ( 24 \& 29) |
| 1152 | Burnt bone. Site 1 (24 \& 29) |
| 1153 | Irregular lump of furnace lining with heavy vitrification on exterior. Glossy black Fabric C3. T. of wall $20-30 \mathrm{~mm}$. Size 7 cm . Probably from near tuyère. Site 1(24/29). |
| 1153 | Furnace lining Site 1(24/9) 65g |
| 1154 | Rim sherd of an $E_{2}$ beaker with an upright neck and simple rim, slightly everted. Rim D. 10 cm . Size 5 cm . T. 3-5mm. Fabric A1, creamy-buff. No sooting, unabraded. Site 1(25) SF46. |


| 1155 | Charcoal. Site 1 (25) |
| :---: | :---: |
| 1156 | Burnt bone. Site 1 (25) |
| 1157 | Natural concretion. Site 1 (25) |
| 1158 | Burnt bone. Site 1 (28) |
| 1159 | Charcoal. Site 1 (28) |
| 1160 | Fired clay Site 1(28) 1 g |
| 1161 | Natural concretion. Site 1 (28) |
| 1162 | Iron ore. Site 3(66) SF291 |
| 1163 | Iron ore. Site 3 (67) |
| $1164 / 1$ | Crucible lid Form C. Fabric C2a. Size 17 mm . Site 3(66) SF293 |
| 1164/2-6 | Crucible body sherds, Form? Sizes 25, 24, 22, $17 \mathrm{~mm} .1164 / 5$ has added inner layer. Site 3(66) SF293 |
| $1164 / 7$ | Crucible rim, Form C? Fabric C2b. Size 23 mm . Lid attachment covered by slag and vitrification. Site 3(66) SF293 |
| 1165 | Iron suspension loop, circular eye of round section rod, ends flattened to make lugs which are pierced by rivet hole. The ring is almost worn through in the centre. The lugs are incomplete and set at right angles to the plane of the loop. $30 \times 20$ mm . Perhaps for suspending handle of wooden vessel, but no organic remains between lugs. Site 3(71) SF345 |
| 1166 | Base sherd from an $E_{2}$ beaker. Base with string cut-off marks, interior fingerrilled, exterior smoothed. Basal D. 5 cm . Size 6 cm . T. 3-9mm. Fabric A1, grey/buff/grey edges, unabraded. Some sooting, but covers broken edges. Site 3(71) SF335. |
| 1167 | Copper alloy broken ring. About three-quarters of an annular ring of flattened cross-section. The ring is twisted and appears to have been a spiral originally. D. external 14 mm ., internal 10.5 mm . Section $3.5 \times 2 \mathrm{~mm}$. Probably part of spiral ring from a loose-ring pin like 44, too small for a spiral finger ring. Site 1 (29) sieving. |
| 1168 | Iron pan. Site 1 (25) |
| 1169 | Iron pan. Site 1 (25) |
| 1170 | Burnt bone. Site 3 (81) |
| 1171 | Bone. Site 3 (81) |
| 1172 | Flint. Site 3 (81) |
| 1173 | Charcoal. Site 3 (81) |
| 1174 | Mould, part of a brooch hoop?. D. 25 mm ., width 3 mm . Site 3(81) |
| 1174 | Mould Site 3(81) |
| 1175 | Iron ore. Site 3 (81) |
| 1176 | Iron, part of hook or broken loop. D. 28 mm ., $5 \times 5 \mathrm{~mm}$. Site 3(81) |
| 1177 | Iron ore. Site 3 (81) |
| 1178 | Iron ore. Site 3 (81) |
| 1179 | Furnace lining Site 3(81) 1g |
| 1180 | Burnt bone. Site 3 (73) |
| 1181 | Iron ore. Site 3 (73) |
| 1182 | Charcoal. Site 3 (73) |
| 1183 | Fired clay Site 3(73) 1g |
| 1184 | White substance. Site 3 (73) |
| 1185 | Burnt bone. Site 3 (72) |
| 1186 | Iron, bent strip with ends folded back. $101 \times 9 \times 4 \mathrm{~mm}$. Site 3(72) |
| 1187 | Bone. Site 3 (72) |
| 1188 | Iron ore. Site 3 (72) |
| 1189 | Iron ore. Site 3 (72) |
| 1190 | Mould Site 3(72) |
| 1190 | Mould Site 3(72) 1frag |
| 1191 | Unfinished roundel of schist with unsmoothed edges. D. c. 34 mm . T. 3 mm . On one face is an annular dark stained line outlining the edge. Gaming piece?. Site 1(26). |
| 1192 | Burnt bone. Site 1 (26) |
| 1193 | Unworked pebble Site 1 (26) |
| 1194 | Charcoal. Site 1 (26) |
| 1195 | Iron pan. Site 1 (26) |
| 1196 | Small part of lower valve showing part of circular object D. c. 20 mm . with raised border 2 mm . wide. In the centre of the sunken field is a raised boss 4 mm . high. Site 1(26) |
| 1197 | Fired clay Site 1(26) 14g |
| 1198 | Hazelnut fragments Site 1(29) |
| 1199 | Flint. Site 1 (26) |
| 1200 | Bodysherd of crucible? Highly fired with oxidised surfaces and vitrification on |

exterior. Unlike other crucibles however. Size 20 mm . T. 4 mm . Site 1(26)
Burnt bone. Site 3 (76)
Mould Site 3(76)
Iron object. Site 3 (76)
Unfired clay Site 3 (76) 1 g
Iron ore. Site 3 (76)
Burnt bone. Site 3 (77)
Burnt bone. Site 3 (78)
Charcoal. Site 3 (78)
Part of upper valve of pin mould. Round sectioned shaft, D. 2 mm ., length greater than 23 mm . Site 3(78)
Mould, edge of flat disc. Site 3(78)
Mould, edge of straight object. Site 3(78)
Mould Site 3 (78) 6 frags
Bone. Site 3 (78)
Clay nodules. Site 3 (78)
Iron ore. Site 3 (78)
Hazelnut shell Site 1(78)
Iron ore Site 3 (78)
Iron rod fragments. Site 3(78)
Iron ore. Site 3 (78)
Iron ore. Site 3 (78)
Unfired clay Site 3 (78) 4g
Furnace lining Site 3 (78) 5g
Flint. $\quad$ Site 3 (78)
Crucible rim sherd, Form D or A. Fabric C2b. Size 15 mm. Site 3(78)
Crucible body sherds, Form? Fabric C2b. Size 24, 14 mm . Site 3(78)
Charcoal. Site 3 (71)
Burnt bone. Site 3 (71)
Mould Site 3(71) 10 frags
Mould, edge of large flat disc. Site 3(71)
Part of upper valve, back face of Type G? brooch. Hoop and terminals flat in half section, only visible as reduction discolouration of mould fabric. Hoop D. 24 mm ., width 3 mm . Terminals square-ended with traces of ends of transverse ribs. Positive keying, central boss. As feeder channel does not join top of hoop, this may be part of another multiple mould. Site 3(71)
Small fragment of upper valve, front face of Type G brooch. Only part of one terminal survives, bounded by transverse collar with two grooves forming three ribs. Facets well developed with sunken central lozenge containing raised ring with central dot ornamentation. From a brooch estimated D. 30-40 mm. Positive keying, marginal grooves. Site 3(71)
Flint. Site 3 (71)
Unworked pebble Site 3 (71)
Unfired clay Site 3 (71) 20g
Bone. Site 3 (71)
Hazelnut fragment Site 3(71)
Fired clay Site 3(71) 5g
Crucible rim sherd, Form A or D. Fabric ? Size 17 mm . Estimated D. 13 mm . Slaggy exterior, dross interior. Site 3(71)crucible
Iron ferrule, conical, incomplete. L. 45 mm . D. 14 mm . Site 3(71)
Furnace lining Site 3(71) 5g
Iron ore. Site 3 (71)
Iron ore. Site 3 (71)
Iron ore. Site 3 (71)
Red and white chalk-like material. Site 3 (71)
Flint. Site 3 (82)
Burnt bone. Site 3 (82)
Iron ore. Site 3 (82)
Charcoal. Site 3 (82)
Iron ore. Site 3 (82)
Stone. Site 3 (82)
Iron, unidentifiable fragment. Site 3(82)
Fired clay Site 3(82) 4 g
Burnt bone. Site 1 (24)
Bone. Site 1 (24)
Charcoal. Site 1 (24)
Oyster Site 1 (24)

Bone. Site 1 (25)
Burnt bone. Site 1 (25)

## Charcoal. Site 1 (25)

Slag. Site 1 (25)
Sub-rectangular piece of worked schist with a notch at one end. Length 8 cm . Width 4.5 cm . T. 7 mm . Site 1 (25).
Schist. Site 1 (25)
Iron pan. Site 1 (25)
Iron, part of thick bar, square section. Site 3(79)
Burnt bone. Site 3 (79)
Iron ore. Site 3 (79)
Complete crucible, Form E. Fabric C2a? D. c. 31 mm . Height 19 mm ., volume 4.5 cc. Vitrified exterior and interior, which also has dross. Site 3(81) SF382 Roughly made roundel of schist. D. c 32 mm. T. 4 mm . Gaming piece? Site 1(25) SF41.
Mould Site 3(79) 1frag
Bone. Site 1 (28)
Burnt bone. Site 1 (28)
Charcoal. Site 1 (28)
Iron nail head. L. 13 mm . Site 1(28)
Part of mould of semi-circular section, cylindrical form. In the centre is a pin? shaft, D 2.5 mm . Length 30 mm . The mould fabric is coarse with fine organic temper. The form of the mould is unusual. Site 1 (28)
Unworked pebble Site 1 (28)
Unfired clay Site 1 (28) 17 g
Furnace lining Site 1 (28) 30 g
Bone. Site 3 (83)
Burnt bone. Site 3 (83)
Flint. Site 3 (83)
Burnt bone. Site 1 (31)
Flint. Site 4 (1)
Flint. Site 3 (78) SF364.
Burnt bone. Site 3 (71)
Bone. Site 3 (71)
Charcoal. Site 3 (71)
Flint and pebble. Site 3 (71)
Crucible lid sherd, Form C. Fabric C2a. Size 24 mm. Site 3(71)
Iron ore. Site 3 (71)
Mould Site 3(71) 2 frags
Mould 3(71) 7 frags
Iron, fragments of strips. Site 3(71)
Unfired clay Site 3 (71) 16g
Iron ore. Site 3 (71)
Hazelnut fragment Site 3(71)
Two unidentified objects Site 3 (71)
About one half of an annular bead of deep blue translucent glass. Wide central perforation, D. 4.5 mm . Bubbly glass with one end of bead irregular. Ht .5 mm . D. 8 mm . Site 3 (87) SF402.

Body sherd, probably from $E_{1}$ jar. Size 3 mm . T. 6mm. Fabric A1, grey/buff. Unabraded. Site 3(71) SF355.
Iron, part of rod, bent. $23 \times 4 \times 3 \mathrm{~mm}$. (US)
Part of upper valve of disc D. 27 mm . The disc has a raised border 2 mm . wide. Inside is another raised concentric ring D. 15 mm ., width 2 mm . Positive keying, marginal cuts. The mould is unused. Site 3(71) SF383
Fragment of an oil-shale armlet of D-shaped section. Polished but not good quality shale. Estimated external D. 8 cm . Width 8 mm . T. 8 mm . Site 3(81) SF368. Mould Site 3(90)SF414
Part of brooch Type G?, with terminal at ingate end of mould. Site 3(90) SF411 Iron, incomplete small chisel. Tapering tang expanding to flattened blade, point missing. $49 \times 7 \mathrm{~mm}$. Site 3 (90) SF406
Iron, complete punch. Tapered rod with peened over blunt end, other end tapering to point, now bent and tip missing. The section varies from square to sub-rounded on the top third where it is slightly waisted for gripping. $120 \times 7 \times 6 \mathrm{~mm}$. Site 3(90) SF405
Iron, simple buckle. Buckle hoop oval, sub-rounded section, worn in middle. Tongue a simple rod, rectangular section, looped round hoop. Hoop $42 \times 20 \mathrm{~mm}$. Tongue L. 32 mm ., W. 5 mm . Site 3(90) SF403
Iron, small awl or chisel, distorted but complete, tapering to both ends. $41 \times 4 \times 4$
mm. Site 3(90) SF418

Fragment of a field drain. Surface find on north slope of hill near enclosure wall G. Mould Site 3(69)SF389
Copper alloy fitting. A dumb-bell shaped bar with holes at both ends for rivets. One rivet survives and is a solid rod of round section 8 mm . long, 1.5 mm . diam. with expanded heads. The bar is hammered with a flat back face and convex front. The ends are circular with circular holes. Length 25 mm . D. perforations 1.5 mm . Width max. 5 mm . Probably a strap fitting. Site 3 (92) SF430.
Iron, tiny buckle, hoop D-shaped, tongue tapered rod bent round hoop. Strap-end buckle. Hoop $20 \times 12 \mathrm{~mm}$. Site 3(92) SF434
About one third of a decorated disc or stud of opaque red glass. One surface is flat and the other has the remains of curvilinear decoration in high relief within a border. The decoration appears to be a triskele pattern. Flow lines show that the stud was made by pressing into a mould. The glass is very streaky, of an opaque pinkish-red glass. On close examination the streaks are opaque white and the red is carmine. Few bubbles, but the surface is decayed. Estimated original D. 15 mm ., T. 2-4 mm. Site 3 (92) SF432.

Iron strip fragment. $21 \times 2 \mathrm{~mm}$. Site 3(92) SF437
Iron rod fragment. $37 \times 4 \times 3 \mathrm{~mm}$. Site 3(92) SF431
Unworked pebble Site 3 (90)
Tessera of greenish yellow glass with gold leaf inset below one surface. The lower surface is irregular showing it to be cast in sand. The glass is layered with a few large bubbles. The gold leaf is about 0.5 mm . below the upper surface. Size $11 \times 8$ mm., T. 6 mm. Site 3 (94) SF438.

Broken block of unworked basalt with a bar-shaped ingot-mould. The mould is Ushaped with a rounded end and is at least 120 mm . long, width $c .15 \mathrm{~mm}$., depth $c .12 \mathrm{~mm}$. The mould is blackened. The stone is about $24 \times 10 \times 5 \mathrm{~cm}$. Site 3(90) SF416.
Iron S-shaped strip, flattened at ends, one end with rivet hole. $57 \times 6 \times 2 \mathrm{~mm}$. Site 3(88) SF415
Iron ball-headed pin. Head D. 4 mm . Shaft circular section, not hipped. L. 48 mm. Site 3(92) SF435

Iron tapering strip, both ends incomplete. $70 \times 12 \times 2 \mathrm{~mm}$. Site 3(87) SF390
Part of upper valve, back face of buckle plate. Flat rectangular panel 23 mm . wide, with protruding strip perpendicular to face. The strip is 9 mm . long and 4 mm . wide and penetrates through the thickness of the mould. Identified by comparison to 298. Site 3 (87) SF389
Iron rod fragment, nail shaft? L. 33 mm . Site 3(92)
Body sherd, form of vessel indeterminate. Fabric A3, pinkish orange. Heavily abraded. Max. size 2 cm . Exterior not preserved. Site 3(88) SF420.
Mould, part of brooch? hoop and edge of terminal, mould unused. Site 3(87) SF387
Iron nail or tack. L. 12 mm . Site 3(105)
Iron rod fragment. L. 32 mm . Site 3(105)
Iron irregular sheet. not conserved. Site 3(105)
Iron strip fragment. $25 \times 14 \mathrm{~mm}$. Site 3(105)
Iron ball-headed pin. Shaft circular section bent and broken. L. 21 mm ., head D. 6 mm . Site 3(71)
Iron rod with curled ends, one curl incomplete. Section square, tapering and flattened on the curls. Firesteel? $68 \times 6 \times 6 \mathrm{~mm}$. Site 3(71) SF391 Unfired clay Site 3 (105) 18 g
Iron rod, pointed at one end. $35 \times 2 \times 2 \mathrm{~mm}$. Site 3(94) SF439
Small fragment of a disc-shaped piece of white sandstone. The lower face is flat, the upper slightly convex. The faces all show signs of smoothing. Estimated original D. c. 14 cm. T. 7 mm . Site 3(92) SF427.
Roughly made roundel of siltstone. D. $c .20 \mathrm{~mm}$. T. 2 mm . Gaming piece? Site 3(88) SF401.
Iron nail. L. 46 mm . Site 1(29) SF45
Fragment from a vessel of pale blue translucent glass with traces of mould blown vertical ribbing. The glass is of high quality with small round bubbles. T. $<1 \mathrm{~mm}$. Sherd shows curvature but vessel form not clear. Possibly from a palm cup or bell beaker. Size $19 \times 15 \mathrm{~mm}$. Site 3 (83) SF386.
Iron fragment of thin sheet, irregular. $19 \times 14 \mathrm{~mm}$. Site 1(28) SF46
Iron nail head. L. 23 mm . Site 3(88) SF398
Base sherd from $\mathrm{E}_{1}$ jar. Flat base, interior strong finger-rilling, exterior smoothed. Basal D. $c .10 \mathrm{~cm}$. Max. size 5 cm . T. wall 8 mm , T. base 4 mm . Fabric A1, grey/black/buff. Unabraded, slight sooting on base. Joins sherd from 1929 excavation (HPO 454). Site 3(90) SF412.
Iron fragment of thin strip. $39 \times 11 \times 1 \mathrm{~mm}$. Site 3(90) SF413
Iron, thin rod, square section, expanding to cylindrical head. $30 \times 6 \times 6 \mathrm{~mm}$. Possible pin. Site 3(90) SF408
Iron, tip of spatulate pointed blade, triangular section. $27 \times 7 \mathrm{~mm}$. Small scalpellike knife? Also a fragment of bar, $15 \times 9 \times 5 \mathrm{~mm}$. Site 3(90) SF409

| 1331 | Iron rod or wire, tapering, D. 1 mm ., L. 19 mm . Site 3(90) SF404 |
| :---: | :---: |
| 1332 | Copper alloy lump. Unidentifiable. 10x7x3 mm. Site 3 (71) 1332. |
| 1333 | Mould Site 3(89) SF388 |
| 1334 | Crucible rim sherd, Form D or C. Fabric C2b. Size 18 mm. Site 3(71) SF394 |
| 1335 | Iron, tiny knife blade, complete. Back angled, cutting edge straight but worn concave. Tang tapering, in line with cutting edge. Specialist tool? $86 \times 10 \mathrm{~mm}$. Site 3(71) SF396 |
| 1336 | Iron pin with globular head, decorated with spiral knurling. Head and shaft tinned. Shaft circular section, D. 3 mm . L. 45 mm . Site 3(87) SF393 |
| 1337 | Charcoal. Site 3 (87) |
| 1338 | Burnt bone. Site 3 (87) |
| 1339 | Slag. Site 3 (87) |
| 1340 | Flint. Site 3 (87) |
| 1341 | Mould Site 3(87) 18 frags |
| 1342 | Fired clay Site 3(87) 8g |
| 1343 | Iron rod, rectangular section, tapering towards chisel? point at one end, the other a tang? At the junction of the tang a rivet holds two copper alloy square plates against the rod surface, perhaps originally a decorative? binding strip. $57 \times 7 \times 5$ mm . Site 3(87) |
| 1344 | Unfired clay Site 3 (87) 41 unfired clay |
| 1345 | Iron ore. Site 3 (87) |
| 1346 | Crucible bodysherd, Form? Fabric C2a. Size 23 mm . Vitrified exterior. Site 3(87) |
| 1347 | Iron ore. Site 3 (87) |
| 1348 | Burnt bone. Site 3 (71) |
| 1349 | Charcoal. Site 3 (71) |
| 1350/1 | Iron rivet, holding three plates of bone, two with thin sheet of iron sandwiched between them. Possibly from comb. $10 \times 5 \times 5 \mathrm{~mm}$. Site 3(71) |
| 1350/2 | Iron, tiny flattened point with rivet hole near tip. Decorative strip?. $9 \times 3 \mathrm{~mm}$. Site 3(71) |
| 1350/3 | Iron, four small fragments of strip and rod. Site 3(71) |
| 1351 | Flint. Site 3 (71) |
| 1352/2 | Crucible rim sherd, Form? Fabric C2a. Size 20 mm . Site 3(71) |
| 1352/3 | Crucible rim sherd, Form? Fabric C2a. Size 18 mm . Site 3(71). crucible |
| 1353 | Mould, edge of hoop, grooved. Site 3(71) |
| 1353 | Mould, edge of flat object. Site 3(71) |
| 1353 | Mould Site 3(71) |
| 1353 | Mould Site 3(71) 2 frags |
| 1353 | Mould Site 3(71) 17 frags |
| 1354 | Unfired clay Site 3 (71) 15g |
| 1355 | Bone. Site 3 (71) |
| 1356 | Fired clay Site 3(71) 1g |
| 1357 | Iron, unidentifiable fragments. Site 3(71) |
| 1358 | Slag. Site 3 (71) |
| 1359 | Iron ore. Site 3 (71) |
| 1360 | Iron ore. Site 3 (71) |
| 1361 | Iron ore. Site 3 (71) |
| 1362 | Furnace lining Site 3(71) 2g |
| 1363 | Carbonised organic material, unidentifiable. Site 3(71) |
| 1364 | Burnt bone. Site 3 (84) |
| 1365 | Iron ore. Site 3 (84) |
| 1365 | Charcoal. Site 3 (84) |
| 1366 | Flint. Site 3 (84) |
| 1367 | Slag. Site 3 (84) |
| 1368 | Reddish material. Site 3 (84) |
| 1369 | Iron strip fragment. $24 \times 9 \mathrm{~mm}$. Site 3(84) |
| 1370 | Mould Site 3(84) |
| 1370 | Mould Site 3(84) 4 frags |
| 1370/1 | Mould, part of flat back of brooch hoop. Site 3(84) |
| 1370/2 | Mould, part of brooch hoop with raised bar Type G?. Site 3(84) |
| 1371 | Unfired clay Site 3 (84) 3g |
| 1371 | Fired clay Site 3(84) 3g |
| 1372 | Crucible rim sherd, Form B5. Fabric C2a. Exterior with thick slag showing impressions of tongs, one of which is about 4 mm . wide with a ridged surface. Estimated D. c. 80 mm . Height greater than 30 mm . Site 3(71) |
| 1373 | Slag. Site 3 (82) |
| 1374 | Iron ore. Site 3 (82) |
| 1375 | Burnt bone. Site 3 (82) |


| 1376 | Iron triangular tip. $19 \times 9 \mathrm{~mm}$. Site 3(82) |
| :---: | :---: |
| 1377 | Charcoal. Site 3 (82) |
| 1378/1 | Crucible rim sherd, Form E. Fabric C2a. Interior vitrified and slaggy, badly cracked during use. Estimated D. 50 mm ., height 32 mm . Site 3(82) |
| 1378/2 | Crucible rim sherd, Form? Fabric C2b. Size 25 mm . Site 3(82) |
| 1379 | Flint. Site 3 (82) |
| 1380 | Mould Site 3(82) 3 frags |
| 1381 | Unfired clay Site 3 (82) 13g |
| 1382 | Burnt bone. Site 3 (96) |
| 1383 | Burnt bone. Site 3 (83) |
| 1384 | Charcoal. Site 3 (83) |
| 1385 | Flint. Site 3 (83) |
| 1386 | Mould Site 3(83) 7 frags |
| 1387 | Iron, unidentifiable fragment. Site 3(83) |
| 1388 | Burnt bone. Site 3 (86) |
| 1389 | Flint. Site 3 (86) |
| 1390 | Iron ore. Site 3 (86) |
| 1391 | Mould Site 3(86) 1 frag |
| 1392 | Burnt bone. Site 3 (81) |
| 1393 | Fractured fragment of clear glass. Form indeterminate. Modern. T. 3.5mm. Site 3 (81). |
| 1394 | Charcoal. Site 3 (81) |
| 1395 | Furnace lining Site 3(81) 5g |
| 1396 | Mould Site 3(81) |
| 1396 | Mould Site 3(81) 9 frags |
| 1396/2 | Mould, part of flat curving object 14 mm . wide. perhaps large brooch hoop. Site 3(81) |
| 1396/3 | Mould, edge of ring with panel on side. Site 3(81). |
| 1397 | Iron, three fragments, one pointed rod, one thin strip, one thick strip. L. 17, 1716 mm . Site 3(81) |
| 1398 | Iron ore. Site 3 (81) |
| 1399 | Slag. Site 3 (81) |
| 1400 | Unfired clay Site 3 (81) 6g |
| 1401 | White quartz and red chert. Site 3 (81) |
| 1402 | Lead disc. Originally circular, finely made with bevelled margins. Cast, then cut to shape. Diam. 19 mm . Thickness 1 mm . The disc shows signs of damage due to forceable removal from another object. Chisel marks indent one surface and one edge is damaged by prise marks. Site 3 (92) SF 446. |
| 1403 | Very fine bronze strip. Modern Site 1 (US) |
| 1404 | Crucible lid with handle, Form C. Fabric C2c. Fairly complete except for attachment to body. Knob height 16 mm , section $6 \times 17 \mathrm{~mm}$. Estimated size of crucible $35 \times 40 \mathrm{~mm}$. Has pouring lip parallel to handle. Site 3(90) SF425 |
| 1406 | Iron strip, broken at both ends. $32 \times 22 \mathrm{~mm}$. Site 3(90) SF426 |
| 1405 | Fragment of an oil-shale armlet of D-shaped section. Polished but worn. Estimated external D 7 cm , W $6 \mathrm{~mm}, \mathrm{~T} 7 \mathrm{~mm}$. Site 3 (90) SF423. |
| 1407 | Small fragment of lower valve of square-ended terminals of Type G? brooch. Single transverse ribs, one of which shows traces of what may be cable decoration as in 1799. Much abraded. Negative keying, marginal grooves. Site 3(90) SF422 |
| 1408 | A large piece of schist with red hematite on the joint planes. Length 20 cm . Possibly used for pigment cf 1921/1. Site 3(88) SF424. |
| 1409 | Iron conical ferrule, hollow, part of one side missing. L. 75 mm ., D. 13 mm . Welded seam? Site 3(92) SF458 |
| 1409 | Fragment of an oil-shale armlet of D-shaped section. Polished but worn. Estimated external D. 7 cm . Width 6 mm . T. 7 mm . Site 3(90) SF423. |
| 1410 | Iron needle-like point. L. 25 mm ., W. 1.5 mm . Site 3(92) SF453 |
| 1411 | Iron rectangular sheet, three sides complete. L. 44 mm . W. 20 mm . Site 3(92) SF455 |
| 1412 | Iron, irregular fragment of thick sheet, part of one straight edge survives. $58 \times 37 \mathrm{x}$ 7 mm . Site 3(92) SF454 |
| 1413 | Iron ball- or dome-headed stick pin, complete. Shaft circular, tapering for bottom third. L. 36 mm ., head D. 4.5 mm ., shaft D. 2.5 mm . Site 3(92) SF442 |
| 1414 | Part of ring D. 20 mm . Site 3(92) SF448 |
| 1415 | Iron bar, one end apparently hammered, the other incomplete. $45 \times 6 \times 3 \mathrm{~mm}$. Site 3(92) SF451 |
| 1416 | Iron tack?, badly corroded. L. 24 mm . Site 3(92) SF452 |
| 1417 | Mould Site 3(88)SF421 |
| 1418 | Crucible lug. (US) |
| 1419 | Slag. Site 3 (92) SF456 |

Iron, unidentifiable fragments. Site 3(92) SF441
Mould Site 3(90) SF419
Iron key for barrel padlock. Long rectangular rod with two prongs at one end, remains of rectangular keyhole. L. $143 \mathrm{~mm} ., 4 \times 4 \mathrm{~mm}$. Site 3(88) SF395
Furnace lining with vitrified interior containing small pieces of copper corrosion products in the vesicles. Weight 1 g . Site 3 (94) SF 440.
Furnace lining Site 3(94) 5g
Mould, part of feeder channel and ring. Site 3(92) SF448
Mould Site 3(90)SF407
Iron strip. $36 \times 7 \times 2 \mathrm{~mm}$. Site 3(92) SF433
Iron, almost complete conical ferrule with welded seam. Conical, hollow, part of side missing. L. 53 mm . D. 11 mm . Site 3(90) SF410
Part of tuyère. Broken, with part of a nozzle channel tapering from 20 to 17 mm .
The lip of the opening is heavily vitrified to a black glossy consistency. Fabric
?C3. Size 40 mm . T. 18 mm . Site 3(92) SF 425.
Fire-cracked stone. Site 3 (88) SF397
Furnace lining Site 3(92) 30g
Crucible lid with handle, Form C. Fabric C2c. Fairly complete except for lid attachment and pouring lip. Handle rectangular, height 18 mm , section $7 \times 25 \mathrm{~mm}$. Crucible body sub-triangular, estimated size $40 \times 50 \mathrm{~mm}$. Site 3(92) SF449 Complete lower valve of mould for a hinged buckle. The buckle is oval-shaped, or rather a rectangular with semi-circular ends, measuring $28 \times 14 \mathrm{~mm}$. The buckle loop is of circular section. On one side is a hinge attachment consisting of three protrusions. The buckle loop in the adjacent area is of square section. The protrusions are not perforated and would have to be drilled out after casting. There is no sign of the core for the holes being held in the mould as is seen at the Brough of Birsay (Curle 1982, illus 19,351). The feeder channel is roughly cut and expands to a flat ingate. Keying negative, marginal cuts and wide grooves. Site 3(94) SF457
Base sherd, two joining fragments from an $E_{1}$ jar. Size 5 cm . Basal D. $10-12 \mathrm{~cm}$. Cut-off marks on base, but basal angle irregular on exterior. T. wall 8 mm , T. base 11 mm . Fabric A1, dark grey-brown, interior has carbonised deposits. Unabraded. Site 3(92) SF447.
Crucible handle and body of Form D. Fabric C2a. Handle pinched, pointing upwards, section $18 \times 7 \mathrm{~mm}$. Heavily vitrified exterior. Interior with extra clay lining. Size 25 mm . D. 20 mm . Site 3(92) SF443
Crucible rim sherd, Form B4. Fabric C2a. Size 50 mm . Same vessel as 221. Site 3(92) SF444
Part of upper valve, back face of large penannular brooch. Hoop D. 40 mm ., width 8 mm ., flat section. Hoop panel central, square-ended, slightly raised, width 8 mm ., length probably 22 mm . The hoop and terminals are only seen as discolouration of the mould surface. The terminal shape is indistinct, perhaps rectangular. Keying positive, large central boss and marginal cuts. Site 3(92) SF445
Charcoal. Site 1 (33)
Iron rod fragment. $20 \times 4 \times 4 \mathrm{~mm}$. Site 1(33)
Bone. Site 1 (33)
Burnt bone. Site 1 (33)
Iron object. Site 1 (37)
Iron pan. Site 1 (37)
Fired clay. Site 1 (37)
Flint. Site 1 (37)
Burnt bone. Site 1 (37)
Slag. Site 1 (37)
Fired clay Site 1(37)
Charcoal. Site 1 (42)
Burnt bone. Site 1 (42)
Sandstone. Site 1 (42)
Unfired clay. Site 1 (42)
Charcoal. Site 3 (88)
Burnt bone. Site 3 (88)
Iron, numerous unidentifiable fragments, also an L-shaped strip. Site 3(88)
Mould Site 3(88) 29
Mould, part of feeder channel and ring. Site 3(92) SF450
Mould Site 3(88) 2 frags
Mould Site 3(88)
Small part of lower? valve, back face of large penannular brooch. Parts of two round terminals each 20 mm . D. Could be from circular or tear-shaped terminals. Negative keying, large central finger impression. The central key shows that this is from a brooch and not a series of unconnected discs. Brooch D. estimated $c .80$

1456
1457
mm . Site 3(88)
Mould Site 3(88) 3 frags
Stone. Site 3 (88)
Flint. Site 3 (88)
Fired clay with flint. Site 3 (88)
Burnt stone. Site 3 (88)
Iron ore. Site 3 (88)
Charcoal. Site 1 (36)
Burnt bone. Site 1 (36)
Fired clay Site 1 (36) 3g
Iron pan. Site 1 (36)
Smithing slag. Site 1 (36)
Burnt bone. Site 1 (28)
Bone. Site 1 (28)
Portion of undecorated clay pipe bowl, plain rim, the heel does not survive. T. 1 mm . Height 21.75 mm . Diameter 20mm. Site 1 (28).
Charcoal. Site 1 (28)
Fragments of oven or pottery, roughly moulded. Two irregular lumps, one 23 mm thick, the other 17 mm . Fabric B3, buff. Abraded, formless. Size 5 cm and 3 cm . Site 1(28)
Unfired clay Site 3 (42) 1 g
Flint. Site 1 (28)
Furnace lining with copper corrosion products in the slaggy interior. Weight 1 g .
Site 3 (93).
Furnace lining Site 3(93)
Burnt bone. Site 3 (93)
Charcoal. Site 3 (93)
Mould Site 3 (93)
Mould Site 3(93) 11 frags
Mould, part of brooch hoop? Site 3(93)
Mould, abraded disc D. c. 16 mm . Site 3(92)
Iron, unidentifiable fragments. Site 3(93)
Iron ore. Site 3 (93)
Iron ore. Site 3 (93)
Unfired clay Site 3 (93) 10g
Mould Site 3(93) 1 frag
Unfired clay Site 3 (93) 20 g
Slag. Site 3 (93)
Furnace lining Site 3(94) 5g
Mould, part of an object of complex shape but heavily abraded. Appears to show two flat arms diverging at about 30 degrees and set on edge. The shape of the mould suggests this may have been a complex mould. One of the arms is about 6 mm . Wide. Site 3(94).
Mould Site 3(94) 2 frags
Unfired clay Site 3 (94) 1 g
Unfired clay Site 3 (94) 2g
Burnt bone. Site 3 (94)
Iron ore. Site 3 (94)
Iron ore. Site 3 (94)
Charcoal. Site 3 (94)
Flint. Site 3 (94)
Unworked pebble Site 3 (94)
Burnt bone. Site 3 (91)
Charcoal. Site 3 (91)
Smithing slag. Site 1 (37)
Charcoal. Site 1 (37)
Tooth. Site 1 (37)
Burnt bone. Site 1 (37)
Quartz, mica pegmatite. Site 1 (37)
Fired clay Site 1(37) 8g
Fired clay Site 1(37)
Iron, tapering strip. L. 15 mm . W. 4 mm . Site 1(37)
Burnt bone. Site 3 (92)
Iron ore. Site 3 (92)
Bone. Site 3 (92)
Fired clay Site 3(92) 26 g
Mould, part of ring. Site 3(92)

| 1505 | Mould, edge of flat object. Site 3(92) |
| :---: | :---: |
| 1505 | Mould Site 3(92) 5 fragments |
| 1505 | Mould Site 3(92) 30 frags |
| 1505/1 | Tiny fragment of upper valve of small Type G brooch. One terminal survives, damaged, but with single transverse ribs. Much abraded. Site 3(92) |
| 1506/2 | Crucible rim sherd, Form A or D? Fabric C2a. Estimated D. 20 mm . Size 30 mm . Site 3(92) |
| 1506/3 | Crucible rim sherd, Form C. Fabric C2a. Estimated D. 40 mm . Size 35 mm . Slaggy exterior. Site 3(92) |
| 1506/4 | Crucible bodysherd, Form? Fabric C2a. Size 28 mm . Site 3(92) |
| 1506/5 | Crucible bodysherd with pinched pouring spout, Form? Fabric C2b. Size 23 mm . Site 3(92) |
| 1506/6 | Crucible bodysherd, Form ? Fabric C2b. Size 35 mm . Site 3(92) |
| 1507 | Charcoal. Site 3 (92) |
| 1508 | Flint. Site 3 (92) |
| 1509 | Unfired clay Site 3 (92) 37g |
| 1510 | Iron, unidentifiable fragments. Site 3(92) |
| 1511 | Slag. Site 3 (92) |
| 1512 | Iron ore. Site 3 (92) |
| 1513 | Unworked pebble Site 3 (92) |
| 1514 | Crucible rim to base sherd, Form B1. Fabric C2c. Faint traces of vitrification on interior. Estimated D. 80 mm ., height 27 mm ., size 32 mm . Site 3(92) |
| 1514 | Unfired clay Site 3 (92) 12g |
| 1514 | Fired clay Site 3(92) 53g |
| 1515 | Iron ore. Site 3 (92) |
| 1516 | Furnace lining Site 3(92) 25g |
| 1517 | Crucible Site 3 (92) |
| 1518 | Crucible base sherd, Form A or D. Fabric C2a. Size 15 mm . Vitrified exterior, slag and dross interior. Site 3(92) |
| 1519 | Small fragment of unworked wood. Site 3(92) |
| 1520 | Slag. Site 3 (92) |
| 1521 | Clay nodule. Site 3 (92) |
| 1522 | Upper valve with ring D. 15 mm ., width 1 mm ., of rounded section. On one side is a feeder link to another ring or else a straight attachment. A scar shows where a pointed instrument has been used to lever the cast out of the mould. Site 3(92) |
| 1523 | Hazelnut fragments Site 3(92) |
| 1524 | Slag. Site 3 (92) |
| 1525 | Concretion. Site 3 (92) |
| 1526 | Sub-oval piece of schist, possibly worked, with a notch on one side. Size $10 \times 7$ cm . T. 6 mm . Site 3(95). |
| 1527 | Burnt bone. Site 3 (95) |
| 1528 | Iron ore. Site 3 (95) |
| 1529 | Charcoal. Site 3 (95) |
| 1530 | Slag. Site 3 (95) |
| 1531 | Flint. Site 3 (95) |
| 1532 | Iron, spatulate strip. L. 32 mm . W. 10 mm . Site 3(95) |
| 1533 | Iron ore. Site 3 (95) |
| 1534 | Mould Site 3(95) 6 frags |
| 1534/1 | Small fragment of lower valve, front face of possible bird-head brooch. Two terminals apparently showing opposed incurving beaks and traces of an eye?. Negative keying, slash marks on outer margin. The mould has two layers, an upper buff clay and a lower orange/grey clay. Site 3(95) |
| 1534/3 | Furnace lining Site 3(95) 1g |
| 1535 | Mould Site 3(95) 7 frags |
| 1536 | Mould Site 3(92) |
| 1536 | Mould Site 3(92) |
| 1536/1 | Mould, part of brooch hoop, flat back width 6 mm . D. c. 40 mm . Site 3(92) |
| 1536/2 | Mould, part of two brooch terminals? with beaded borders. Site 3(92) |
| 1536/3 | Mould, part of ring of disc. Site 3(92) |
| 1536/4 | Mould, part of pin shaft, D. 2 mm . Site 3(92) |
| 1536/6 | Edge of upper valve with impression of two parallel curved bands about 4 mm wide. Possibly the terminals of a large Type G3 brooch. Site 3(92). |
| 1537 | Ceramic ingot mould. Fragment of slab of clay with the remains of two barshaped ingot moulds. The end of one mould survives, rounded 6 mm deep, $c .8 \mathrm{~mm}$ wide. Part of another, 15 mm deep is exposed on a broken edge. The channels are U-shaped and show signs of burning with carbon deposits. Fabric C5, buff to black. Size 4 cm . Site 3(92). |
| 1538/1 | Crucible lid handle, Form C. Fabric C2b. Knob rectangular, section $14 \times 4 \mathrm{~mm}$., height 15 mm . Site 3(90) |
| 1538/2 | Crucible rim sherd, Form C. Fabric C2b. Size 30 mm . Slaggy exterior. Site |


|  | ). crucible |
| :---: | :---: |
| 1538/3,4 | Crucible base and body sherds, Form? Fabric C2a. Size 23, 20 mm . Vitrified exterior, slaggy interior. Site 3(90) |
| 1538/5 | Crucible rim sherd, Form C. Fabric C2b. Size 29 mm . Site 3(90) |
| 1538/6 | Crucible rim sherd, Form C. Fabric C2a. Size 22 mm . Large slag on exterior. Site 3(90) |
| 1539 | Iron objects. Site 3 (91) |
| 1540 | Charcoal. Site 3 (90) |
| 1541 | Hazelnut fragments Site 3(42) |
| 1542 | Burnt bone. Site 3 (90) |
| 1543 | Flint. Site 3 (90) |
| 1544 | Iron ore. Site 3 (90) |
| 1545 | Slag. Site 3 (90) |
| 1546 | Iron ore. Site 3 (90) |
| 1547 | Unfired clay Site 3 (90) 53g |
| 1548 | Concretion. Site 3 (90) |
| 1549 | Furnace lining Site 3(90) 15g |
| 1550 | Fired clay Site 3(90) 29 g |
| 1550 | Mould, part of flat curving object, perhaps back of brooch hoop. Site 3(90) |
| 1550 | Mould Site 3(90) |
| 1550 | Mould Site 3(90) 16 frags |
| 1550/2 | Part of lower valve, back face of small penannular brooch. Only the square end of one terminal is visible. Negative keying, dowel hole in centre. Site 3(90) |
| 1551 | Mould Site 3(90) |
| 1551 | Body sherd of E ware, vessel form indeterminate. Size 2 cm . Fabric A1, black/grey/buff. Abraded. T. 5mm. Site 3(90). |
| 1551/1-2 | Mould, parts of two brooch hoops. Site 3(90) |
| 1551/3 | Crucible, half a tiny dish-shaped bowl, irregular shape. Flat base. ? Type B1. Fabric C1. D 30 mm . H 10 mm . Site 3(90). |
| 1552 | Fired clay Site 3(90) 19g |
| 1552 | Mould Site 3(90) 4 frags |
| 1553 | Large irregular unworked slab of schist with two notches on adjacent sides. Size $20 \times 17 \mathrm{~cm}$. T. 10 mm . Site 3(90). |
| 1554 | Site 3 (90) unworked pebble |
| 1554/1/2 | Polishers, two oval river pebbles of quartzite with traces of polish. Sizes $11 \times 6 \times 2$ cm . and $9 \times 8 \times 3 \mathrm{~cm}$. Site $3(90)$. |
| 1555 | Irregular piece of unworked oil-shale, about $7 \times 7 \mathrm{~cm}$. Site 3(90). |
| 1556 | Bone. Site 3 (90) |
| 1557 | Part of a mineralised wooden circular armlet?. Estimated external D. 69 mm . Ova in cross-section. Surfaces polished. One end broken, the other collared and bevelled. Length 38 mm ., width 7 mm ., T. 9mm. Site 3(101) SF464. |
| 1558 | Small fragment from a vessel of dark olive green glass. Form indeterminate. T. $c .0 .3 \mathrm{~mm}$. Slight curvature. High quality glass with few bubbles. Two lighter streaks are visible within the metal. Size $10 \times 10 \mathrm{~mm}$. Site 3 (92) SF489. |
| 1559 | Slag. Site 3 (102) SF495 |
| 1560 | Red flint flake. Site 1 (45) SF1012 |
| 1561 | Charcoal. Site 3 (84) |
| 1562 | Iron ore. Site 3 (84) |
| 1563 | Iron ore. Site 3 (84) |
| 1564 | Unworked pebble Site 3 (84) |
| 1565 | Burnt bone. Site 3 (84) |
| 1566 | Unfired clay Site 3 (84/85) |
| 1567 | Crucible bodysherd, Form ? Fabric C2a. Size 22 mm . Exterior vitrified, interior slag and dross. Site 3(84) |
| 1568 | Iron ore. Site 3 (84) |
| 1569 | Fired clay Site 3(84) 5g |
| 1570 | Mould Site 3(84) 7 |
| 1571 | Flint. Site 3 (84) |
| 1572 | Iron, unidentifiable fragments. Site 3(84) |
| 1573 | Burnt bone. Site 3 (101) |
| 1574 | Charcoal. Site 3 (101) |
| 1575 | Flint. Site 3 (101) |
| 1576/1 | Crucible rim sherd, Form? Fabric C2a. Size 35 mm . Site 3(101) |
| 1576/2 | Crucible bodysherd, Form? Fabric C2a. Size 21 mm . Vitrified exterior. Site 3(101) |
| 1576/3 | Crucible lid sherd, Form C. Fabric C2b. Size 13 mm . Vitrified exterior. Site 3(101) |
| 1576/4 | Crucible rim sherd, Form? Fabric C2b. Size 12 mm . Site 3(101) |
| 1576/5 | Crucible bodysherd, Form B. Fabric C2b. Size 23 mm . Site 3(101) |


| 1577 | Site 3(101) 10 g furnace lining |
| :---: | :---: |
| 1578 | Fired clay Site 3(101) 24 g |
| 1578 | Mould, part of ingate and ring? Site 3(101) |
| 1578 | Mould Site 3(101) 4 frags |
| 1578 | Mould Site 3(101) |
| 1578 | Mould Site 3(101) |
| 1578 | Mould Site 3(101) 2 frags |
| 1578/1 | Small part of mould, possibly a brooch. A tear-shaped sunken panel c. $20 \times 13$ mm . is bordered by a number of incomplete elements. One side consists of a rounded hoop? with a square-ended panel with sunken interior. There is an arc of a slightly bossed ring on the opposite side and traces of other features at the broad end. This could be part of the terminal of a large decorated, panelled brooch or a smaller brooch with a hoop panel and unique interior features. Site 3(101) |
| 1578/2 | Mould, part of ring. Site 3(101) |
| 1579 | Crucible rim sherd, Form B5. Fabric C2b. Size 35 mm. Estimated D. 80 mm . Site 3(101) |
| 1580 | Mould Site 3(101) 2 frags |
| 1581 | Fired clay. Site 3 (101) |
| 1582 | Burnt bone. Site 3 (101) |
| 1583 | Bone. Site 3 (101) |
| 1584 | Small rounded piece of tufa. Site 3 (101) |
| 1585 | Iron bolt head, badly corroded. L. 17 mm . Site 3(101) |
| 1586 | Red material. Site 3 (101) |
| 1587 | Iron ore. Site 3 (101) |
| 1588 | Iron ore. Site 3 (101) |
| 1589 | Iron ore. Site 3 (101) |
| 1590 | Iron ore. Site 3 (101) |
| 1591 | Unfired clay Site 3 (101) 16g |
| 1592 | Yellow sandstone. Site 3 (92) |
| 1593 | Barrel-shaped polychrome bead. Central perforation D. 4 mm . The body is of deep translucent blue with many bubbles. On the surface are complex trails of opaque yellow-white glass, fully marvered in. At high magnification this consists of mixed white and yellow particles. Ht. 9 mm ., D. 9 mm . Shape slightly irregular. Site 3 (104) SF500. |
| 1594 | About half of lower valve, front face of penannular brooch. Broken along inner hoop line. Hoop D. c. 32 mm ., width 5 mm ., rounded in half-section. No certain sign of hoop-panel. The terminals are teardrop shaped with raised margins and sunken, flat interiors. The point of the tear merges into the hoop. Attached to the margins of each terminal are three cusps, again with raised margins and sunken interiors. These are arranged one on each side of the terminal with the cusps pointing outwards. No keying visible. Site 3(96) SF480 |
| 1595 | Iron, tip of knife blade. Type 2. L. 44 mm ., W. 14 mm . Site 3(100) |
| 1596 | Burnt bone. Site 3 (100) |
| 1597 | Bone. Site 3 (100) |
| 1598 | Fired clay Site 3(100) 6g |
| 1599 | Iron ore. Site 3 (100) |
| 1600 | Burnt bone. Site 3 (92) |
| 1601 | Charcoal. Site 3 (92) |
| 1602/1 | Crucible bodysherd, Form? Fabric C2b. Size 21 mm . Extra layer on inside. Site 3(92) |
| 1602/2-6 | Crucible body sherds, Forms ? Sizes 27, 25, 20, 10, 10 mm . Site 3(92) |
| 1603 | Iron ore. Site 3 (92) |
| 1604 | Iron ore. Site 3 (92) |
| 1605 | Bone. Site 3 (92) |
| 1606 | Furnace lining Site 3(92) 1g |
| 1606 | Mould Site 3(92) 36frags |
| 1607 | Furnace lining Site 3(92) 5g |
| 1608 | Mould Site 3(92) 1frag |
| 1609 | Iron tack and other corroded unidentifiable fragments. Site 3(92) |
| 1610 | Unfired clay Site 3 (82) 26g |
| 1611 | Iron pan. Site 3 (92) |
| 1612 | Half of an unfinished roundel of oil-shale. D. c. 19 mm . T. 1-2 mm. Probably broken during manufacture. Site 3(92). |
| 1613 | Slag. Site 3 (92) |
| 1614 | Mould. Site 3 (92) |
| 1615 | Quartz limestone. Site 3 (92) |
| 1616 | Fired clay Site 3(92) 2g |
| 1617 | Rootlet concretion. Site 3 (92) |
| 1618 | Slag. Site 3 (92) SF487 |


| 1619 | Iron strip, flattened and expanding at one end and forming curving ?cutting edge. L. 56 mm . W. 8 mm . Possibly small specialist knife. Site 3(92) SF488 |
| :---: | :---: |
| 1620 | Iron, thick rod, one end flattened to expanding chisel point. $38 \times 9 \times 8 \mathrm{~mm}$. Chisel? Site 3(92) SF482 |
| 1621 | Handle and body sherd. Form of vessel indeterminate, possibly a pitcher. Handle roughly modelled or pulled, luted to body exterior, trapezoidal $15 \times 25 \mathrm{~mm}$. Body T. 8 mm . Max. size 6 cm . Fabric A4, dark brown/pink/ cream. Abraded. Site 3(92) SF491. |
| 1622 | Flint. Site 1 (36) SF48 |
| 1623 | Piece of phyllite with a hole pierced from one side. D. hole 3 mm . Size $53 \times 60$ mm . Site 1(40a) SF1005. |
| 1624 | Slag. Site 1 (43) SF1001 |
| 1625 | Crucible rim sherd, Form C? Fabric C2a. Size 25 mm . Vitrified exterior and interior. Site 3(101) |
| 1626 | Slag. Site 3 (101) SF479 |
| 1627 | Iron, large hook, with looped eye at top of shank, point missing. L. 55 mm . Site 3(92) SF490 |
| 1628 | Slag. Site 3 (92) SF496 |
| 1629 | Iron L-shaped strip. $35 \times 7 \times 2 \mathrm{~mm}$. Site 3(92) SF484 |
| 1630 | Crucible rim sherd, Form? Fabric C2a. Extra layers inside and outside. Size 50 mm. Site 3(92) SF483 |
| 1631 | Iron rod tapering to chisel point, other end incomplete. Possibly an awl or chisel. L. 73 mm ., section $4 \times 3 \mathrm{~mm}$. Site 3(92) SF486 |
| 1632 | Crucible rim and base, Form B1. Fabric C2c. Size 30 mm . Estimated D. 60 mm . Site 3(92) SF485 |
| 1633 | Iron unidentifiable fragment. Site 3(92) SF492 |
| 1634 | Iron Tapering strip. L. 42 mm ., W. 5 mm . Site 3(92) SF481 |
| 1635 | Fragment of an oil-shale armlet of almost circular section. The surface is polished but very worn. The broken edges are very worn and there is a shallow saw-cut groove near one end, possibly for repair work. Estimated external D. 95 mm . Width $11 \mathrm{~mm} . \mathrm{T} .11 \mathrm{~mm}$. Site 3(92) SF567. |
| 1636/1684/1725 | Joining fragments of lower valve, front face, of terminal of large decorated penannular brooch. The terminals are triangular and separated by a gap of 4 mm . Not enough survives to indicate whether it was pseudo-penannular. The terminal is decorated with a series of recessed cells surrounded by a recessed border. At the junction with the hoop is a large cusp, separated from the rest of the terminal by a recessed border. In the centre of the terminal is part of a circular raised ring. The remainder of the terminal is divided into at least four cells by raised dividing lines. The surface is badly damaged. The terminal is 39 mm . wide at its maximum. The brooch would have been 3 mm . thick with the panels recessed by about 1 mm . Hoop diameter 95 mm . Keying negative, two deep central thumb marks, large marginal cuts. 1636: site 3(92) SF493; 1684: site 3(92) SF512; 1725: site 3(96) |
| 1637 | Mould, part of a brooch hoop, flat back, width 4 mm . D. 22 mm . Site 3(92) SF503 |
| 1638 | Iron, oval link, ends not joined. One end pointed, the other blunt. $25 \times 13 \mathrm{~mm}$. Site 3(92) SF510 |
| 1639 | Iron kite-shaped arrowhead, probably socketed, but socket missing. No midrib on blade, only 3 mm . thick in centre. L. 69 mm ., W. 18 mm . Site 3(104) |
| 1640 | Body sherd from medium-sized vessel, possibly a jar. Strong internal finger-rilling, exterior smoothed. Estimated D. c. 22 cm . Size 6 cm . Fabric A3, pinkish orange, exterior sooteod. Abraded. Joins a sherd from 1929 excavation (HPO454). Site 3(92) SF502. |
| 1641/1642 | Iron, two L-shaped strips, joining to make U-shaped fitting. Arms tapering to rounded points. L. 66. mm., W. 27 mm . Staple. Site 3(92) SF503/SF509 |
| 1643 | Iron tapering rod, rectangular section. $32 \times 9 \times 6 \mathrm{~mm}$. Site 3(92) SF506 |
| 1644 | Part of upper valve, back face of penannular brooch. Hoop is flat in half-section, D. estimated $c .55 \mathrm{~mm}$., width 5 mm . Part of one expanded terminal, but the form is unclear. Positive keying, marginal cuts. Site 3 (104) SF498 |
| 1645 | Iron rod tapering to a point. Stick pin? L. 67 mm . D. 5 mm . Site 3(92) SF511 |
| 1646 | Iron, large U-shaped staple, ends flattened, tips missing. L. 95 mm ., W. 72 mm . Site 3(101) SF467 |
| 1647 | Shotgun cartridge 12 bore. Site 1, (28). |
| 1648 | Slag globule. Site 1 (36) SF49 |
| 1649 | Smithing slag. Site 1 (43) SF1002 |
| 1650/1 | Crucible bodysherd, Form C? Fabric C2a. Size 28 mm . Vitrified exterior. Site 3(93) SF461 |
| 1650/2 | Crucible rim sherd, Form ? Fabric C2a. Size 34 mm. Extra layers inside and outside. Site 3(93) SF461 |
| 1651 | Furnace lining Site 3(95) 20g |
| 1652 | Iron, unidentifiable lump. Site 1(40a) SF1004 |
| 1653 | Iron strip. $31 \times 5 \mathrm{~mm}$. Site 1(43) SF1011 |
| 1654 | Iron binding strip, sub-square, small part missing. $27 \times 27 \times 7 \mathrm{~mm}$. Site 3(96) SF462 |

Crucible rim sherd, Form B? Fabric C2c. Size 18 mm. Site 1(43) SF1003
Iron pan. Site 1 (US)
Iron, unidentifiable fragments. Site 1 (43) SF1010
Iron rod with flattened spatulate end. Tiny drill bit? L. 28 mm . Site 3(101) SF465
Copper alloy rod, broken. Circular sectioned rod broken at both ends. Leaded gunmetal, cast. Length 23 mm ., D. 4 mm . Heavily corroded but joins 973 to produce a length of 55 mm . Other end possibly joins 1094. Stick pin?. Site 3
(101) SF 478.
(
Brass and iron object. An iron tapering rod, pointed at one end (tip missing) and expanding rapidly to a flattened head (broken and incomplete) at the other. The shaft is encased in a brass sleeve, hammered round and leaving a tapering gap at the back. The shaft is strongly bent in the middle. Length 63 mm . Thickness of brass $c .0 .5 \mathrm{~mm}$. Pin for brooch?. Site 1 (43) SF 1008.
Burnt bone. Site 3 (92)
Charcoal. Site 3 (92)
Crucible rim sherd, Form E. Fabric C2a. Size 28 mm . Vitrified inside and outside. Tongs' mark 4 mm . wide. Estimated D. 40 mm . Site 3(92)
Crucible rim sherd, Form C. Fabric C2a. Size 23 mm . Lid attachment visible under thick exterior slag and vitrification. Site 3(92)
Crucible lid handle, Form C. Fabric C2c. Knob rectangular, section $12 \times 5 \mathrm{~mm}$., height 16 mm . Site 3(92)
Crucible rim sherd, Form ? Fabric C2b. Size 15 mm . Site 3(92)
Crucible bodysherd, Form ? Fabric C2a. Size 15 mm . Site 3(92)
Crucible rodysherd, Form? Fabric C5b. Size 22 mm. Site 3(92)
Crucible see 621
Bone. Site 3 (92)
Iron ore. Site 3 (92)
Iron ore \& slag. Site 3 (92)
Iron, 12 fragments of strips and rods. Site 3(92)
Flint. Site 3 (92)
Slag. Site 3 (92)
Unfired clay Site 3 (92) 31g
Mould Site 3(92) 2 frags
Mould Site 3(92) 1 frags
Mould, part of ring. Site 3(92)
Mould, edge of large object. Site 3(92)
Mould Site 3(92) 3 frags
Mould Site 3(92)
Fragment of upper valve, front? face of Type G brooch. Hoop rounded in section, D. $c .34 \mathrm{~mm}$., width $c .4 \mathrm{~mm}$. Terminal bounded by transverse collars with two longitudinal grooves forming three ribs. Lozenge and facets damaged, but lozenge may have been sunken. Abraded. Site 3(92)
Large part of upper? valve, front face of small Type G brooch. Hoop rounded in section, D. c. 24 mm . Terminals with single transverse ribs. Facets and lozenge well defined. Positive keying, central boss. Site 3(92)
Two irregular fragments of object with one or two holes, possibly a tuyère. Signs of vitrification around one end. Overall shape indeterminate. Fabric C5. Site 3 (92).

Fired clay Site 3(92) 31g
Mould, back of large flat disc? Site 3(92)
Mould Site 3(92)
Mould Site 3(92) 5 frags
Mould, part of flat object. Site 3(92)
Mould Site 3(92) 12 frags
Furnace lining Site 3(92) 5g
Slag. Site 3 (92).
Unworked triangular piece of phyllite with a notch on one side. Size $7 \times 5 \mathrm{~cm} . \mathrm{T}$. 5 mm . Site 3(97).
Burnt bone. Site 3 (92)
Limestone. Site 3 (92)
Mould, edge of ?terminal. Site 3(95) SF459
Mould see 1636
Mould, central part of large brooch with central boss for keying, D.c. 60 mm . Site 3(104) SF499
Burnt bone. Site 1 (43)
Charcoal. Site 1 (43)
Iron rod fragment. $18 \times 5 \times 4 \mathrm{~mm}$. Site 1(43)
Flint. Site 3 (101)
Burnt bone. Site 3 (101)

Bone. Site 3 (101)
Burnt bone. Site 3 (101)
Iron ore. Site 3 (101)
Burnt bone. Site 3 (98)
Iron ore. Site 3 (98)
Iron ore. Site 3 (98)
Charcoal. Site 3 (98)
Iron rod fragment. $12 \times 4 \times 3 \mathrm{~mm}$. Site 3(98)
Fired clay Site 3(98) 8g
Furnace lining Site 3(98) 5g
Unfired clay Site 3 (98) 22g
Crucible base sherd, Form B. Fabric C2a. Size 30 mm . Estimated D. 60 mm . Site 3(98)
Bone. Site 3 (98)
Charcoal. Site 3 (95)
Burnt bone. Site 3 (95)
Flint. Site 3 (95)
Iron ore. Site 3 (95)
Charcoal. Site 1 (39)
Burnt bone. Site 1 (39)
Two fragments of pottery. Thick hand-made ceramic with very large rock fragments. One side rough, the other (?inner) smoothed and blackened. One piece seems to be a rim. T. c. 20 mm and 16 mm . Sizes 4 cm and 4 cm . Fabric B4, orange/grey. Unabraded. Site 1(39).
Burnt bone. Site 4 (6)
Charcoal. Site 4 (6)
Burnt bone. Site 4 (9)
Quartzite. Site 4 (6)
Burnt bone. Site 4 (11)
Charcoal. Site 4 (11)
Burnt bone. Site 4 (12)
Charcoal. Site 1 (36)
Burnt bone. Site 1 (36)
Mould, part of pin shaft, D. 2 mm . Site 1(36)
Mould Site 3(36) 1
Bone. Site 1 (36)
Clay nodule. Site 1 (36)
Burnt bone. Site 3 (96)
Charcoal. Site 3 (96)
Iron ore. Site 3 (96)
Mould see 1636.
Bone. Site 3 (96)
Mould Site 3(96) 16 frags
Small part of lower valve, back face of penannular brooch. Hoop flat in section, D. estimated $c .45 \mathrm{~mm}$. Only a small part of the hoop and part of one terminal visible, consisting of a protrusion on the inner edge of the terminal. Negative keying, central cut rectangle. Site 3(96)
Tiny part of object consisting of a disc, D. c. 12 mm . with sunken interior and raised margin 1 mm . wide. Attached to the outer edge of the disc is a pellet composed of two small circular conjoined discs forming a figure of eight shape. There is the edge of another similar one. Site 3(96)
Iron ore. Site 3 (96)
Flint. Site 3 (96)
Crucible base sherd, Form ? Fabric C2a. Size 15 mm . Vitrified exterior, slag and dross interior. Site 3(96)
Crucible lid sherd, Form C. Fabric C2b. Size 19 mm. Extra layer exterior. Site 3(96)
Crucible bodysherd, Form ? Fabric C2b. Fused into large lumps of slag and vitrification. Site 3(96)
Iron pin with ball head, circular shaft. L. 22 mm ., D. head 5 mm . Site 3(96)
Unfired clay Site 3 (96) 13g
Slag. Site 3 (96)
Iron ore. Site 3 (96)
Slag. Site 3 (96)
Slag. Site 3 (92) SF513
Mould, ingate and part of brooch hoop. Site 3(92) SF497

Body-sherd of 'F-ware' vessel of indeterminate form. Exterior smoothed, interior flaking. Fabric A2, pinkish buff. Size 5 cm. T. 5 mm . Abraded. Sherd from near neck of vessel, estimated D. 10 cm . Site 1(45) SF1009.
Ceramic ingot mould fragment. Sub-rectangular slab with the end of one U-shaped channel for a bar ingot with a rounded end. Depth of channel 10 mm . T. of mould $15-20 \mathrm{~mm}$. Size 42 mm . Bottom of channel blackened and reduced. Fabric C1, orange/grey. Some abrasion. Site 1(45) SF1013.
Iron socketed blade, both ends missing. $34 \times 11 \times 3 \mathrm{~mm}$. Tool? Site 1(45) SF1014
Mould, edge of hoop. Site 3(102) SF494
Hazelnut fragment Site 3(96)
Iron ore. Site 3 (97)
Burnt bone. Site 3 (97)
Bone. Site 3 (97)
Mould Site 3(97) 2 frags
Crucible bodysherd, Form ? Fabric C2a. Size 29 mm. Site 3(97)
Charcoal. Site 1 (40a)
Burnt bone. Site 1 (40a)
Burnt bone. Site 1 (29)
Charcoal. Site 1 (29)
Bone. Site 1 (29)
Body sherd of hand-made ?pottery vessel. Featureless sherd with slight interior rill mark, exterior surface uneven. Definitely hand-made and sooted. Size 25 mm . T. $4-5 \mathrm{~mm}$. Fabric B1 black/buff, organic temper. Abraded. Site 1(35).
Unworked pebble Site 1 (35)
Burnt bone. Site 1 (17)
Bone. Site 1 (17)
Charcoal. Site 1 (17)
Rootlet concretion. Site 1 (17)
Mould Site 1 (17)
Bone. Site 3 (85)
Charcoal. Site 3 (85)
Mould Site 3(95) 1 frag
Iron ore. Site 3 (85)
Flint. Site 3 (85)
Large unworked piece of schist with a notch on one side. Size $10 \times 13.5 \mathrm{~cm}$. Site 3(85)
A small worked piece of schist with a rounded corner and a notch on one side. Size $6 \times 2.5 \mathrm{~cm}$. T. 3 mm . Site 3(85).
Unworked pebble Site 3 (85)
Unfired clay Site 3 (85) 2 g
Iron strip. $28 \times 6 \times 4 \mathrm{~mm}$. Site 3(85)
Burnt bone. Site 1 (32a)
Charcoal. Site 1 (32a)
Iron pan. Site 1 (32A)
Charcoal. Site 1 (32f)
Burnt bone. Site 1 (32f)
Iron pan. Site 1 (32F)
Flint. Site 1 (32f)
Hazelnut fragments Site 1(42)
Burnt bone. Site 1 (42)
Charcoal. Site 1 (42)
Burnt bone. Site 1 (17)
Charcoal. Site 1 (17)
Fired clay Site 1 (17) 1 g
Bone. Site 1 (17)
Natural concretion. Site 1 (17)
Slag. Site 1 (17)
Iron, two arms of staples. $58 \times 7 \mathrm{~mm}$. and $93 \times 9 \mathrm{~mm}$. Site 1(17)
Iron ore. Site 3 (86)
Charcoal. Site 3 (86)
Burnt bone. Site 3 (86)
Flint. Site 3 (86)
Half of an annular bead of deep translucent blue. Wide central perforation D. 4 mm . Bubbly glass, chipped at both ends but not from a segmented bead. Ht. 5 mm ., D. 8 mm . Site 3 (92/101) SF524.
Iron blade and tang of tool. Tang central, tapering. Blade rectangular, end
missing, no signs of file ridges. L. 104 mm ., blade $12 \times 3 \mathrm{~mm}$. Site 1(45) SF1017 Unworked pebble Site 3 (105) and square-ended survives as reduction impression on mould surface. Very abraded, possibly sub-rectangular type H brooch. D. estimated $c .32 \mathrm{~mm}$. Site 3(105) SF522
Sub-rectangular round-cornered plaque of phyllite with incised decoration. The stone is a natural pebble which has been cut to shape and smoothed. The top surface has been ground flat. Near one side is an annular mould, D. 12 mm ., with a central depression and an ingate channel. The upper surface has been reused with an incised line and a bungled attempt at interlace? decoration. The lower surface has broken off and one edge is damaged. Size 64 x 47 mm . T. 7 mm . Site 3(105) SF 518.
Iron, three small fragments, two rods, one bent blade of triangular section. Site 3(105) SF520
Shortgun cartridge 12 bore. Site 1 (24).
Iron tapering rod. L. 34 mm . Site 3(104) SF523
Iron sheet fragment. $23 \times 22 \mathrm{~mm}$. Site 3(105) Sf5 19
Large part of lower valve, front face of decorated Type G brooch. Hoop rounded in section, D. 32 mm ., width 5 mm . Terminals bounded by low transverse collars with two longitudinal grooves forming three ribs. The middle ribs are ornamented with cable decoration, each rib having opposite directions of twist (S and Z twist). The central lozenges are sunken. One has traces of a border with possible beaded decoration. The facets are shallow. Negative keying, central finger and nail impressions. Site 3(105) SF525
Iron pointed rod, bent. Possibly nail shaft. L. 36 mm . Site 3(105) SF528
Iron fiddle-key shaped pin, head expanded with spot of ?tin. Shaft rectangular, short, tapering. L. 25 mm . W. 8 mm . Site 3(105) SF527
Copper alloy lump. Metal oxidized. Vitrified clay on one surface. Size 11 x 10 x 4 mm . Probably slaggy dross from crucible. Site 1(43).
Iron strip, broken at both ends, curving. Shows signs of edges being clipped with shears, offcut? $40 \times 4 \mathrm{~mm} .$, T. 0.5 mm . Site 1(43) SF1006. Part of lower valve, back face of penannular brooch. Hoop flat in half section, D. 70 mm ., width 6 mm . The edge of a hoop panel survives, possibly square ended. Negative keying, three central finger impressions. Site 3(106) SF530 Part of a lower valve, front face of multiple pin mould. Part of head and shaft of one pin and traces of another identical one. Pin shaft round, D. 3 mm ., straight sided. Between the shaft and the pin head there are two narrow ribs and one broader one, width 1 mm . The pin head is flat and expands rapidly with convex sides. Only the lower half remains but the indications are of a lozenge headed shape. Within the slightly sunken field of the pin head is a row of raised dots along the margin. There are traces of a central V-shaped design, perhaps part of a lozenge. No key marks. Lower face of mould has wood impressions. Site 1(46A) SF1016
Part of lower valve back? face of Type G brooch. Terminals with transverse single ribs at ends. The ribs are very close together compressing the facets and lozenges which are ill-defined. Two feeder channels lead into the terminal ribs from the top of the mould, the brooch being 'upside-down'. Negative keying, central finger impressions. Site 3(105) SF526
Iron link, incomplete. Part of figure-of-eight link, possibly with part of another link or swivel pin corroded on. L. 35 mm . Site 3(92) SF533
Iron punch, complete. Head hammered, upper shaft rectangular, parallel sided, lower part tapering to rounded point. L. $75 \mathrm{~mm} .10 \times 6 \mathrm{~mm}$. Site 3(106) SF534 Iron nail, complete. Head sub-round, shaft rounded. L. 35 mm . Site 3(106) SF531 Iron, heavy knife blade, tang missing. Type 2. L. $79 \mathrm{~mm} .$, W. 20 mm . T 6 mm . Site 3(106) SF529
Iron binding strip or ferrule. Annular band with horizontal slit on one side with overlapping join. Traces of wooden haft. D. 18 mm ., Height 15 mm . Site 3(92) SF532
Iron rod, rectangular section. $30 \times 4 \times 3 \mathrm{~mm}$. Site 3(106) SF536
Iron rod, rectangular section. $27 \times 2 \times 3 \mathrm{~mm}$. Site 3(106) SF535
Burnt bone. Site 3 (105)
Bone. Site 3 (105)
Crucible rim sherd, Form B? Fabric C2a. Size 43 mm . Flat base with rounded basal angle. Signs of lid attachment (or possibly the sherd could be a a lid). Same vessel as 196. Site 3(105)
Crucible base sherd, Form E? Fabric C2a. Size 26 mm. Exterior vitrified. Site Crucible 3(105)
Crucible rim sherd, Form C? Fabric C2a. Size 28 mm. Exterior vitrified. Site 3(105)
Crucible rim sherd, Form C. Fabric C5a. Size 28 mm . Lid attachment visible. Site 3(105)

| 1815/5 | Crucible bodysherd, Form? Fabric C2a. Size 23 mm . Site 3(105) |
| :---: | :---: |
| 1816 | Mould Site 3(105) 16 frags |
| 1816/1-4 | Mould Site 3(105) 4 frags |
| 1816/5 | Mould, part of brooch. D. c. 20 mm . very abraded. Site 3(88) |
| 1816/6 | Mould, part of a ring D. 15 mm ., width 2 mm . of rounded section. Part of a feeder or link channel joins one side. Site 3(105) |
| 1816/7-8 | Mould Site 3(105) 2 frags |
| 1817 | Iron objects. Site 3 (105) |
| 1818 | Flint. Site 3 (105) |
| 1819 | Unfired clay. Site 3 (105) |
| 1820 | Mould Site 3(105) 5 frags |
| 1821 | Charcoal. Site 3 (105) |
| 1822 | Iron ore. Site 3 (105) |
| 1823 | Furnace lining Site 3(105) 25g |
| 1824 | Iron ore. Site 3 (105) |
| 1825 | Slate. Site 3 (105) |
| 1826 | Burnt bone. Site 3 (92) |
| 1827 | Charcoal. Site 3 (92) |
| 1828 | Flint. Site 3 (92) |
| 1829 | Slag. Site 3 (92) |
| 1830/1 | Crucible lid handle, Form C. Fabric C2b. Height 16 mm ., section $5 \times 11 \mathrm{~mm}$. Site 3(92) |
| 1830/2 | Crucible lid and handle, Form C. Fabric C2b. Knob height 15 mm , section $9 \times 4$ mm . Part of pouring lip edge is present and is parallel to long axis of knob. Site 3(92) |
| 1830/3 | Crucible handle and body, Form D. Fabric C2a. Handle rectangular, section 17 x 8 mm ., sloping upwards. Lower surface vitrified. Site 3 (92) |
| 1830/4 | Crucible, unusual sherd, Form? Fabric C2b. Size 20 mm . Site 3(92) |
| 1831 | Crucible bodysherd, Form ? Fabric C2a. Size 31 mm . Thick slag and vitrification on exterior and extra layer. Site 3(92) |
| 1832 | Furnace lining Site 3(92) 5g |
| 1833 | Bone. Site 3 (92) |
| 1834 | Iron, numerous unconserved fragments of sheet, rod, nail and strip. Site 3(92) |
| 1835 | Slag. Site 3 (92) |
| 1836 | An unfinished roundel of oil-shale. There is a central depression on one surface and about two-thirds of the circumference has been rounded. D. $c 25 \mathrm{~mm}$. T. 1-3 mm . Site 3(92). |
| 1837 | Tiny piece of phyllite with a notch at one end. Size $25 \times 15 \mathrm{~mm}$. T. 2 mm . Site 3(92). |
| 1838 | Three fragments fired clay with impressions of thick grass stems on one side. Daub or oven. Sizes 3, 2 and 1 cm . T. of larger piece $12-15 \mathrm{~mm}$. Fabric C5, orange/grey. Abraded. Site 3(92). |
| 1839/2 | Small part of lower valve, showing a disc D. 14 mm . with a raised border and sunken field containing a concentric raised ring D. 8 mm . There are traces of two other circular elements on either side of the ring. Negative keying, marginal cuts. Site 3(92) |
| 1839 | Mould Site 3(92). |
| 1840 | Tiny body sherd, irregular, abraded. Max. size 2 cm, T. 9-10 mm. Fabric A4, colour black/pink/buff. Joins 377. Site 3 (92). |
| 1840 | Fired clay 3(92) 27g |
| 1840 | Mould, 4 fragments of rings or brooch hoops. Site 3(92) |
| 1840 | Mould, 2 fragments of flat circular discs. Site 3(92) |
| 1840 | Mould Site 3(92) 3 frags |
| 1840 | Mould Site 3(92) 3 frags |
| 1840 | Mould Site 3(92) 31 frags |
| 1840/12 | Mould, tiny fragment showing re-entrant angle of rectangular plate like 959/1. Site 3(92) |
| 1841 | Iron ore. Site 3 (92) |
| 1842 | Iron ore. Site 3 (92) |
| 1843 | Unfired clay Site 3 (92) 13g |
| 1844 | Piece of the mineral orpiment $\left(\mathrm{As}_{2} \mathrm{~S}_{3}\right)$. A bright yellow mineral with a columnar crystalline structure. Composition shown by XRF. Size $15 \times 13 \times 4 \mathrm{~mm}$. Site 3(113) SF546. |
| 1845 | Burnt bone. Site 3 (104) |
| 1846 | Charcoal. Site 3 (104) |
| 1847 | Mould Site 3(104) |
| 1847/1 | Crucible rim sherd, Form? Fabric C2a. Size 25 mm . Site 3(104) |
| 1847/2 | Crucible bodysherd, Form ? Fabric C2b. Size 20 mm . Vitrified inside and outside. Site 3(104) |
| 1847/3 | Crucible bodysherd, Form? Fabric C2a. Size 18 mm . Vitrified exterior, slaggy |

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$1847 / 5$
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interior. Site 3(104)
Crucible bodysherd, Form? Fabric C2b. Size 21 mm . Exterior slaggy, interior oxidised. Site 3(104)
Crucible bodysherd, Form? Fabric C2a. Size 24 mm. Exterior vitrified. Site 3 (104)

Crucible base sherd, Form B. Fabric C2b. Size 26 mm . Site 3(104)
Crucible rim sherd, Form C. Fabric C2b. Size 26 mm . Site 3(104)
Crucible bodysherd, Form C. Fabric C2a. Size 23 mm . Site 3(104)
Crucible body sherds, Form? Fabric C2b. Sizes 23, 25 mm . Site 3(104)
Bone. Site 3 (104)
Iron, numerous unconserved unidentifiable fragments. Site 3(104)
Iron ore. Site 3 (104)
Iron ore. Site 3 (104)
Flint. Site 3 (104)
Flat piece of slate with multiple randomly-orientated incised lines on both faces.
May be natural or a palette of some kind. Size $5.5 \times 4 \mathrm{~cm}$. T. 3 mm . Site 3(104).
Unfired clay Site 3 (104) 33g
Mould Site 3(104) 7 frags
Mould Site 3(104) 5 frags
Fired clay Site 3(104) 43 g
Mould, edge of large complex object. Site 3(104)
Mould Site 3(92)
Mould, fragments of ring. Site 3(104)
Flint. Site 3 (106)
Crucible bodysherd, Form? Fabric C2b, added outer layer fabric C2a. Size 38 mm . Site 3(106)
Burnt bone. Site 3 (106)
Charcoal. Site 3 (106)
Hazelnut fragment Site 3(106)
Polisher, oval river pebble of quartzite with dark stains and traces of polish. Size $11 \times 6 \times 4 \mathrm{~cm}$. Site 3(106).
Iron ore. Site 3 (106)
Iron ore. Site 3 (106)
Bone. Site 3 (106)
Iron, part of hook or hinge. L. 20 mm. . W. 13 mm . Site 3(106)
Iron, two unidentifiable fragments. Site 3(106)
Unfired clay. $\quad$ Site 3 (106)
Fired clay Site 3(106) 20g
Tiny fragments of upper valve of Type G brooch. Part of one terminal showing tranverse collar, possibly with three ribs. Lozenge possibly sunken. Site 3(106) Small fragment of furnace lining with heavily vitrified surface. Glossy and smooth - probably from a tuyère. Size 3 cm . Fabric C3. Site 3(106).

Furnace lining Site 3(106) 20g
Slag. Site 3 (106)
Burnt bone. Site 3 (106)
Flint. Site 1 (46) SF1015
Charcoal. Site 1 (44)
Burnt bone. Site 1 (44)
Charcoal and burnt bone. Site 1 (44)
Hammerstone, oval quartzite river pebble with battered ends. Size $11 \times 4 \times 2 \mathrm{~cm}$.
Site 1(44).
Burnt bone. Site 1 (57)
Charcoal. Site 1 (57)
Hazelnut fragment Site 1(57)
Flint. Site 1 (57)
Two sherds of coarse ?pottery. Irregular, abraded sherds. Sizes 2 cm and $2 \mathrm{~cm} . \mathrm{T}$.
$8-10 \mathrm{~mm}$. Fabric B3. Site 1(54).
Fired clay 1 (54) 7 g
Fired clay 1 (70) 1 g
Burnt bone. Site 1 (54)
Charcoal. Site 1 (54)
Burnt bone. Site 1 (53)
Charcoal. Site 1 (53)
Furnace lining Site 1(53) 5g
Burnt bone. Site 1 (51)
Charcoal. Site 1 (51)
Mould Site 1(51) 1 frag
Burnt bone. Site 1 (50)

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Fired clay Site $1(50) 6 \mathrm{~g}$
Charcoal. Site 1 (55)
Burnt bone. Site 1 (55)
Hazelnut fragment site 1(55)
Fired clay Site 1(55) 8g
Burnt bone. Site 4 (12)
Charcoal. Site 4 (12)
Burnt bone. Site 1 (49)
Charcoal. Site 1 (49)
Small part of multiple? pin moulds. Part of one or two pin heads of spherical shape. Site 1(49)
Burnt bone. Site 1 (37)
Charcoal. Site 1 (37)
Iron pan. Site 1 (37)
Unfired clay Site 3 (37) 10g
Heavy daub displaying grass mark. Site 1 (37)
Bone. Site 1 (37)
Rootlet concretion. Site 1 (37)
Burnt bone. Site 1 (46)
Fired clay Site 1(46) 4g
Charcoal. Site 1 (19/46)
Burnt bone. Site 1 (19/46)
Mould Site 1(46A) 2 frags
Burnt bone. Site 1 (29)
Bone. Site 1 (29)
Charcoal. Site 1 (29)
Burnt bone. Site 1 (41)
Burnt shell Site 1 (41)
Charcoal. Site 1 (41)
Slag. Site 1 (41)
Irregular unworked piece of schist with a notch on one side. Site 1(41).
Small piece of schist with one surface and edge covered in red hematite.
Presumably this was used as a palette for the pigment. The hematite is applied and not naturally occurring in the rock as it covers a broken edge of the piece. Size 40 x $20 \times 5 \mathrm{~mm}$. Site 1 (41).
Unworked piece of phyllite bounded by four joint planes. One edge has the remains of an hour-glass perforation. Size $7.5 \times 5 \mathrm{~cm}$. T. 8 mm . Site 1(41).
Burnt bone. Site 3 (102)
Bone. Site 3 (102)
Fired clay Site 3(102) 2g
Slag. Site 3 (102)
Crucible rim sherd, Form D or A. Fabric C2a. Added outer layer. Vitrification inside and outside. Site 1(43)
Charcoal. Site 1 (43)
Burnt bone. Site 3 (96)
Charcoal. Site 3 (96)
Iron rod fragment. $17 \times 6 \times 5 \mathrm{~mm}$. Site 3(96)
Iron ore. Site 3 (96)
Iron ore. Site 3 (96)
Fired clay Site 3(96) 2g
Flint. Site 1 (45)
Furnace lining Site 1(45) 5g
Rootlet concretion. Site 1 (45)
Mould Site 1(45) 8 frags
Charcoal. Site 1 (45)
Bone. Site 1 (45)
Unfired clay Site 1 (45) 85g
Unworked pebble Site 1 (45)
Burnt bone. Site 1 (45)
Iron, part of flattened oval link. 1.31 mm . W. 5 mm . Site 1(45)
Unidentified Site 1 (45)
Iron, curved strip. $19 \times 3 \mathrm{~mm}$. Site 3(113) SF542
Iron rod. $36 \times 4 \times 3 \mathrm{~mm}$. Site 3(113) SF543
Kiln furniture?. Oval-sectioned cylinder of fired clay cut at both ends. One end fused to furnace lining with slaggy deposits. Length 25 mm . Section $17 \times 27 \mathrm{~mm}$. A number of lines are scratched along one edge. Fabric C5, grey. Unabraded. Perhaps a support for a floor or for crucibles. Site 3(113) SF541.

Silver alloy metal droplet. Irregular lump with protrusions. Size $12 \times 7 \times 3 \mathrm{~mm}$. Probably slaggy dross from crucib1e. Site 3 (111) SF463.
Fragment of an unfinished oil-shale roundel. Edges partially smoothed. Estimated
D. 25 mm . T. 4 mm . Site 1(55) SF1020.
Small roundel of fired clay. Probably cut from a larger sherd. D. 15 mm . T. 2-3 mm . Irregular surfaces. Fabric C5, buff. Abraded. Possibly a gaming counter. Site 3(111) SF537.
Iron nail or rivet, badly corroded, shaft square. L. 17 mm ., head $13 \times 12 \mathrm{~mm}$. Site 1(58) SF1018
Iron rod fragment. $20 \times 7 \times 5 \mathrm{~mm}$. Site 3(113) SF545
Lead rod broken at both ends. Rectangular section, slightly twisted. Length 20 mm . Section $3 \times 2.5 \mathrm{~mm}$. Similar to 1114. Site 3 (111) SF 538.
Iron loop-headed pin. Shaft of circular section. Disintegrating. L. $73 \mathrm{~mm} ., 4 \times 3$ mm. Site 3(96) SF547

Iron strip, flattened and expanding in middle. One end folded back on itself, the other missing. L. 64 mm ., W. 6 mm . Site 1(62) SF1026
Fired clay Site 1 (68) 5 g
Iron rod with loop head. Buckle pin? L. 31 mm ., shaft $6 \times 4 \mathrm{~mm}$. Site 1(19) SF1021
Iron, bent strip. $73 \times 10 \times 4 \mathrm{~mm}$. Site 3(113) SF539
Iron awl, complete. Tapering to both ends, tang square section, point round section. L. 74 mm ., max section $5 \times 5 \mathrm{~mm}$. Site 3(113) SF540
Iron, unidentifiable fragments. Site 3(113) SF544
Sherd of pottery or mould. Fabric B2. Site 1(62) SF1027.
Sherd of hand-made pottery, signs of coil building. Irregular lump. Size $4 \mathrm{~cm} . \mathrm{T}$. $20-22 \mathrm{~mm}$, surfaces roughly smoothed. Large rock fragments. Fabric B4, light grey-buff. Abraded. Site 3(105) SF522.
Barrel-shaped bead of 'herring-bone' blue and white pattern. The bead is exceptionally well made with 11-12 rows of blue and white twisted cable in alternating bands. Made by winding a joined cable of S- and Z-twist cables five or six times round and marvering in. The core is of the same blue glass but plain. The blue glass is a translucent blue and the white is opaque, but not densely so. Many bubbles. Central perforation D. 3.5 mm ., Ht. 9 mm., D. 9 mm . Site 1 (45B) SF1032.
Iron, tapering rod, possibly nail shaft. L. $49 \mathrm{~mm} ., 5 \times 4 \mathrm{~mm}$. Site 3(114) SF516
Copper alloy rod broken at both ends. Oval cross-section with beginning of flattening at broader end. Length 40 mm . Section $25 \times 1.5 \mathrm{~mm}$. Hammered with lengthwise flaw identical to needle 215. Possibly a leather needle. Site 3 (114) SF 514.

Mould Site 3(114)SF515 2 casting channels
Coarse ceramic fragment. Site 1 (73) SF1033
Charcoal. Site 4 (13)
Burnt bone. Site 4 (13)
Fuel ash slag Site 4 (13)
Smithing slag. Site 4 (13)
Well-made circular disc of siltstone. The faces were originally smoothed, but the object has been burnt, iron-stained and partly decomposed. It was associated with slag. D. 26 mm . T. 4 mm . Possibly a gaming piece. Site 4(13).
Charcoal. Site 1 (19)
Burnt bone. Site 1 (19)
Burnt bone. Site 3 (112)
Charcoal. Site 3 (112)
Iron rod fragments. Site 3(112)
Mould Site 3 (112) 3 frags
Burnt bone. Site 1 (49)
Tooth Site 1 (70)
Burnt bone. Site 1 (70)
Fired clay. Site 1 (70)
Burnt bone. Site 3 (106)
Charcoal. Site 3 (106)
Slag. Site 3 (106)
Fired clay Site 3(106) 14g
Mould, part of flat object. Site 3 (106)
Mould Site 3(106) 4 frags
Mould Site 3(106) 1 frag
Iron ore. Site 3 (106)
Crucible lid sherd, Form C. Fabric C2b. Size 18 mm. Site 3(106)
Unfired clay Site 3 (106) 11g
Small fragment of carbonised leather. Site 3(106).
Iron, irregular sheet fragment. $20 \times 19 \mathrm{~mm}$. Site 3(106)

Burnt bone. Site 4 (8)
Charcoal. Site 4 (8)
Iron nail. L. 48 mm. Site 1(66) SF1023
Burnt bone. Site 1 (65)
Charcoal. Site 1 (65)
Furnace lining. Site 1 (60)
Fire cracked pebble. Site 1 (60)
?Rim sherd of coarse pottery. Rather abraded but apparently a simple rim of large vessel, but just possibly a mould. Size 4 cm , T. 14 mm . Fabric B2 orange/buff/grey. Site 1(64) SF1025.
Charcoal. Site 1 (66)
Burnt bone. Site 1 (66)
Quartzite pebble. Site 1 (66)
Iron ore. Site 3 (105)
Unfired clay Site 3 (105) 5g
Iron, unidentifiable fragments. Site 3(105)
Lead droplet. Irregular lump. Size $22 \times 13 \times 3 \mathrm{~mm}$. Site 3 (106).
Charcoal. Site 1 (57c)
Burnt bone. Site 1 (57c)
Stone. Site 1 (57c)
Charcoal. Site 1 (58)
Burnt bone. Site 1 (58)
Furnace lining. Site 1 (58)
Earth. Site 1(58)
Clay nodules. Site 1 (70)
Burnt bone. Site 1 (61)
Charcoal. Site 1 (61)
Earth Site 1(61)
Charcoal. Site 3 (107)
Burnt bone. Site 3 (107)
Burnt nutshell. Site 3 (107)
Slag. Site 3 (107)
Mould Site 3(107) 2 frags
Burnt bone. Site 3 (108)
Crucible rim sherd, Form A or D. Fabric C2a. Size 20 mm . Estiated D. 20 mm . Site 3(108)
Flint flake and pebble. Site 1 (US).
Coarse ceramic fragments. Site 1 (70) SF1031
Furnace lining Site 1(70) 20g
Burnt bone. Site 1 (64)
Body sherd of coarse pottery. Size 3 cm. T. 15 mm . Abraded. Fabric B2, buff/grey. Possibly same vessel as 1999. Site 1(64).
Charcoal. Site 1 (64)
Bone. Site 1 (64)
Charcoal. Site 1 (70)
Three irregular pieces of ?pottery. Only one surface survives, roughly smoothed.
Sizes 4 cm ., 2 cm . and 1 cm . Fabric B4, buff. Abraded. Site 1(70).
Bone. Site 1 (29)
Burnt bone. Site 1 (29)
Charcoal. Site 1 (29)
Burnt bone. Site 4 (19)
Charcoal. Site 4 (19)
Burnt bone. Site 4 (24)
Charcoal. Site 1 (46)
Burnt bone. Site 1 (46)
Mould Site 1 (46)
Natural concretion. Site 1 (46)
Burnt bone. Site 3 (113)
Slag. Site 3 (113)
Mould Site 3 (113)
Burnt bone. Site 1 (59)
Charcoal. Site 1 (59)
Bone. Site 1 (19)
Large slab of schist, unworked except for a large notch about 5 cm . across on one side. Size $31 \times 13 \times 3 \mathrm{~cm}$. Site 1(56).

Bone. Site 1 (45)
Burnt Bone. Site 1 (45)
Charcoal. Site 1 (45)
Fragment of mineralised wood, unworked, Site 1(45)
Iron pan. Site 1 (45)
Earth Site 1 (45)
Flint flake. Site 1 (72)
Two small lumps of pottery or oven. Sizes 2 cm . and 1 cm . One surface surviving.
Fabric B3, orange. Abraded. Site 1(72).
Unfired clay Site 1 (72) 1g
Burnt bone. Site 1 (72)
Schist. Site 1 (72)
Vein quartz fragments. Site 1 (72)
Natural concretion. Site 1 (63)
Charcoal. Site 1 (62)
Fired clay Site 1(62) 18g
Mould Site 1(62) 2 frags
Flint flake. Site 1 (62)
Charcoal. Site 1 (US)
Burnt bone. Site 1 (US).
Burnt hazelnut shell. Site 3 (111)
Charcoal. Site 3 (111)
Mould, central part of brooch. D.c. 35 mm . Site 3(111)
Mould Site 3(111) 8 frags
Furnace lining Site 3(111) 1 g
Furnace lining Site 3(111) 1g
Crucible bodysherd, Form ? Fabric C2a. Exterior vitrified, interior slag and dross. Size 11 mm . Site 3(111)
Burnt bone. Site 3 (111)
Iron ore. Site 3 (111)
Sherds of hand-made pottery. Three large and many smaller pieces. The large pieces are $7 \mathrm{~cm} ., 7 \mathrm{~cm}$. and 4 cm . T. varies 20-25mm. Very coarse rock fragments, roughly smoothed outer surface, interior undulating lumpy surface.
Fabric B4, pale orange, buff or grey. Interior of thickest piece heavily sooted and burnt. The fragments are slightly curved, from a large vessel. Unabraded. Site 1 (73) SF1034.

Charcoal. Site 1 (55)
Burnt bone. Site 1 (55)
Bone. Site 1 (55)
Burnt hazelnut shell. Site 1 (55)
Fired clay. Site 1 (55)
Furnace lining Site 1 (55) 10 g
Burnt bone. Site 1 (19)
Bone. Site 1 (19)
Charcoal. Site 1 (57)
Burnt bone. Site 1 (57)
Bone. Site 1 (57)
Iron pan. Site 1 (57)
Roundel of fired clay. About half of a roundel crudely cut from a ?pottery sherd with concave inner surface. Abraded. Size 3 cm . T. 9 mm . D. c. 35 mm . Fabric B2 orange/buff. Site 1(57) SF1019.
Unfired clay Site 1 (57) 8 g
Charcoal. Site 1 (57a)
Burnt bone. Site 1 (57a)
Iron pan. Site 1 (57A)
Unfired clay Site 1 (57A) 141g
Bone. Site 1 (29/58/59/66/67)
Charcoal. Site 1 (29/58/59/66/67)
Sherd of hand-made pottery. Size 3 cm . Only one surface survives, smoothed.
Fabric B4, buff. Unabraded. Site 1 (62) SF1028.
Fired clay Site 1(US) 3g
Oyster Site 1 (45)
Flint. Site 1 (45)
Burnt bone. Site 1 (45)
Wood. Site 1 (45)
Concretion. Site 1 (45)
Unfired clay 1 (45) 26 g

Sherd of industrial ceramic. From a vessel of indeterminate form. Size 5 cm. T. 10 mm . Handmade but of regular thickness and curvature, estimated D. 16 cm . Both surfaces smoothed, but the interior is flaking due to burning under reducing atmosphere. Fabric C6, buff/dark grey. Interior has a flake of galena imbedded in it, and has the same appearance as the channels of the ingot moulds. The exterior has the remains of a whitish deposit - possibly decayed vitrification. ?Possibly for lead smelting or cupellation. Same abrasion. Site 1 (45).

Fired clay Site $1(45) 6 \mathrm{~g}$
Fired clay Site 1 (46)
Flint flake. $\quad$ Site 1 (US)
Iron ore. Site 3 (66)
Copper alloy loop-headed pin. Small round sectioned pin with head hammered flat and looped over. One side of the head has a decorative groove. Point of pin missing, no signs of wear on loop. Length 22 mm . Diam. loop 3 mm . Width loop 2 mm . Thickness of shaft 1 mm . Pin for small strap buckle or tiny brooch. Site 3 (71) SF342.

Furnace lining Site 3(71) 15g
Slag. Site 3 (71)
Slag. Site 3 (61)
Iron, unidentifiable fragments. Site 3(105)
Iron, numerous fragments, including part of a ring, several rods and triangular points. Site 3(92)
Iron, numerous unidentifiable fragments. Site 3(92)
Iron, numerous unidentifiable fragments. Site 3(92)
Iron, numerous unidentifiable fragments. Site 3(92)
Iron, rectangular plate with two tapering extensions. $43 \times 14 \times 2 \mathrm{~mm}$. Site 3(92)iron Iron, fragments of strips. Site 3(92)
Gaming piece of oil-shale, bun-shaped. The upper and lower surfaces are smoothed, the edges roughly bevelled. D. 16 mm . T. 8 mm . Site 3(61) SF175. Copper alloy champlevé enamel disc. This finely decorated object is heavily corroded in places, fragmentary, and was crushed in antiquity, making a complete description difficult.
Technology. Structurally it consists of a flat circular disc, c 33mm in diameter and 1.5 mm thick, of cast high-lead bronze with relief decoration on one face. A plain copper alloy frame with an overlapping flange, 3 mm . high and 1 mm . wide, is soldered around the edge of the disc, concealing a groove which presumably helped to retain the solder. In profile the frame is triangular, the outer face vertical and flat, the inner very slightly convex and overlapping the disc by 0.5 mm . Although one small section is missing, and another has become detached, enough survives to be sure that the frame had no original attachment point and was therefore not an hook escutcheon. The back of the disc is flat and shows no sign of attachment, nor was any solder or other fixing material detected. The front face is decorated with reserved scroll-work set with enamel. There is no sign of recutting or touching-up of the design, which appears to be as cast. The edges of the cuts are smooth and slightly bevelled inwards towards the base of the cuts. The decorated face was originally flat but the two surviving subsidiary spiral designs now stand proud of the field to varying degrees due to corrosion uplift. X-ray studies confirmed that these were not original bosses or concealed rivets, despite their superficial appearance as such. The front of the disc and frame show clear signs of tinning, confirmed by XRF analysis. The enamel is now totally decayed due to the acid burial conditions and the interpretation of the original colour is difficult. The colour at present is white tinged with various shades of green, almost certainly from corrosion of the base metal. However tiny patches of red copper oxide do remain in a few places, and it is suggested (K. Hunter pers. comm.) that the original colour was opaque red. XRF analysis showed that the enamel has a high lead content with substantial amounts of copper and very little tin. No antimony was detected. The enamel was therefore probably a lead/copper red, though it is possible that it could have been a lead/tin yellow, with the copper being a corrosion contaminant. These two colours are the commonest in related metalwork of the period.
Decoration. The design is a complex and finely executed pattern of Late Celtic spirals, triskeles and trumpet spirals belonging to the 'developed trumpet-spiral' style of decoration. In the centre there is a triple spiral whose arms expand outwards to form a central triskele. Symmetrically placed around this lie three roundels whose original design is unclear as only one survives in a fragmentary condition. There appears to be a central circular 'eye' which is composed of a small trumpet-spiral, with a larger trumpet spiral decreasing into a fine line spiral which runs into the border of the roundel. Corrosion makes it difficult to say whether there were any other elements originally. The design may have been intended to represent a crested bird head (C. Newman pers. comm.), but it is not as clear as other examples (Warner 1987, Fig. 1), and it is possible that there is merely a flaw in simple spiral design. Between the roundels are trumpet-spirals enclosing groups
of three lentoid petals. This entire design is enclosed within a circular border outside of which is a hexafoil pattern consisting of six radiating lentoids separating double arcs, resmbling a rather elongated version of the 'egg-and-dart' motif. Outside this again lies the groove referred to earlier which is covered by the frame. Site 3(114) SF 560 (wrongly 5600 in text)
Soil sample No. 19. Site 1 (37)
Soil sample No. 24. Site 1 (57)
Soil sample No. 10. Site 1 (32f)
Soil sample No. 28. Site 1 (57b)
Charcoal. Site 1 (70)
Unworked pebble Site 1 (70)
Fragment of a large igneous river pebble, cracked by heat, and a smaller similar piece of quartzite. Site 1 (70).
Soil sample No. 4. Site 4 (9)
Soil sample No. 10. Site 4 (13)
Soil Sample No. 8. Site 4 (12)
Soil Sample No. 2. Site 4 (6)
Soil Sample No. 12. Site 3 (87)
Soil Sample Site 3 (56)
Unworked pebble Site 3 (56)
Soil Sample No. 14. Site 3 (88)
Soil Sample No. 26. Site 1 (45)
Soil Sample No. 23. Site 1 (54)
Soil Sample No. 30. Site 1 (62)
Soil Sample No. 5. Site 1 (32b)
Soil Sample No. 12. Site 1 (35)
Soil Sample No. 9. Site 1 (32e)
Soil Sample No. 1. Site 4 (2)
Soil Sample No. 7. Site 1 (32c)
Soil Sample No. 6. Site 4 (11)
Soil Sample No. 2. Site 1 (20a)
Soil Sample No. 31. Site 1 (68)
Soil Sample No. 15. Site 1 (43)
Soil Sample No. 16. Site 1 (42)
Soil Sample No. 18. Site 1 (46)
Soil Sample No. 22. Site 1 (55)
Soil Sample No. 9. Site 4 (15)
Soil Sample No. 11. Site 1 (36)
Soil Sample No. 17. Site 1 (37a)
Soil Sample No. 5. Site 4 (9)
Soil Sample No. 25. Site 1 (60)
Soil Sample No. 29. Site 1 (57)
Soil Sample No. 10. Site 3 (66)
Soil Sample No. 11. Site 3 (68)
Soil Sample No. 7. Site 4 (13)
Soil Sample No. 8. Site 1 (32d)
Soil Sample No. 3. Site 1 (20b)
Soil Sample No. 4. Site 1 (32a)
Soil Sample No. 20. Site 1 (49)
Soil Sample. Site 1 (26)
Soil Sample No. 13. Site 1 (49)
Soil Sample No. 3. Site 1 (40)
Soil Sample. Site 3 (65)
Soil Sample No. 35 . Site 1 (57)
Soil Sample No. 21. Site 1 (53)
Soil Sample No. 15. Site 3 (91)
Soil Sample No. 33. Site 1 (19/49)
Soil Sample No. 38. Site 1 (72)
Soil Sample No. 34. Site 1 (below 19)
Soil Sample No. 37. Site 1 (74)
Soil Sample No. 11. Site 4 (24)
Soil Sample No. 36. Site 1 (71)
Soil Sample No. 21. Site 1 (53)

| 2181 | Soil Sample No. 32. Site 1 (19) |
| :---: | :---: |
| 2182 | Soil Sample No. 30. Bag 1 of 3 . Site 3 (113) |
| 2183 | Soil Sample No. 30. Bag 2 of 3 . Site 3 (113) |
| 2184 | Soil Sample No. 30. Bag 3 of 3. Site 3 (113) |
| 2185 | Sample No. 3. Charcoal. Site 3 (72) |
| 2186 | Soil Sample No. 26. Site 3 (108) |
| 2187 | Soil Sample No. 13. Bag 2 of 2. Site 3 (86) |
| 2188 | Soil Sample No. 13. Bag 1 of 2. Site 3 (86) |
| 2189 | Sample No. 14 Site 4 (6) |
| 2190 | Charcoal. Site 4 (6) |
| 2191 | Soil Sample No. 21. Site 3 (102) |
| 2192 | Charcoal. Site 4 (9) |
| 2193 | Soil Sample No. 4. Site 3 (73) |
| 2194 | Soil Sample No.17. Site 3 (93) |
| 2195 | Soil Sample No. 6. Site 1 (32b) |
| 2196 | Soil Sample No. 28. Bag 2 of 2. Site 3 (111) |
| 2197 | Soil Sample No. 28. Bag 1 of 2. Site 3 (111) |
| 2198 | Soil Sample No. 14. Site 1 (36a) |
| 2199 | Soil Sample No. 29. Site 3 (112) |
| 2200 | Soil Sample No. 5. Site 3 (74) |
| 2201 | Soil Sample No. 23. Site 3 (103) |
| 2202 | Soil Sample No. 20. Site 3 (97) |
| 2203 | Soil Sample No. 25. Site 3 (107) |
| 2204 | Soil Sample No. 27. Site 3 (109) |
| 2205 | Soil Sample No. 19. Site 3 (101) |
| 2206 | Soil Sample No. 24. Site 3 (106) |
| 2207 | Soil Sample No. 8. Site 3. (77) |
| 2208 | Soil Sample No. 6. Site 3 (75) |
| 2209 | Soil Sample No 9. Site 3 (79) |
| 2210 | Soil Sample No.18. Site 3 (96) |
| 2211 | Soil Sample No. 7. Site 3 (76) |
| 2212 | Soil Sample No. 22. Site 3 (92) |
| 2213 | Soil Sample No. 16. Site 3 (93) |
| 2214 | Mould see 668. |
| 2214/2 | Mould Site 3(61) |
| 2215 | Fragment of a lower valve, front face of a small bird-head brooch. One terminal survives with hooked incurved beak and large eye, D. 5 mm ., occupying entire head and standing in relief. Hoop rounded in section D. 22 mm . Negative keying, central dowel hole, marginal slashes. Much abraded. Site 3(69) SF353 |
| 2216 | Body-sherd of organic-tempered pottery. Form of vessel indeterminate, hand made. Size 2 cm . T. 6-8mm. Exterior smoothed and sooted, interior less regular. Fabric B1, buff. Abraded. Site 1(28). |
| 2217 | Massive sub-circular boulder of schist. The upper face is slightly dished and has a highly polished central area. This area shows signs of heat and hammering and there are irregular scorings. The lower face is convex and has a shallow circular depression $c .5 \mathrm{~cm}$. across and 1 cm . deep. The shape of the boulder is partly natural and partly dressed. Weight 109 kg . D. c. 60 cm. T. 14 cm . Site 3(101) SF548. |
| 2218 | Almost complete upper stone of rotary quern of hornblende schist. Central funnelshaped perforation, handle hole not preserved due to damaged edges. Grinding surface worn and convex, with two rind sockets. D. 325 mm ., T. 60 mm . Rinds 30 x 20 mm . Site 3(101) SF549. |
| 2219 | Half of rotary quern stone of quartz schist. Central perforation funnel-shaped. Grinding surface convex. D. $410 \mathrm{~mm} .$, T. 53 mm . Site 3(101) SF550. |
| 2220 | Almost complete upper stone of rotary quern of hornblende schist. Central perforation of slightly hourglass shape. Upright handle hole perforates quern. Grinding surface flat and worn, with two rind sockets. D. $413 \mathrm{~mm} .$, T. 35 mm . Rinds $22 \times 27 \mathrm{~mm}$., $25 \times 25 \mathrm{~mm}$. Site 3 (101) SF551. |
| 2221 | Half of upper stone of rotary quern of quartz schist. Central perforation funnelshaped. Upright handle hole perforating quern. Grinding surface slightly convex and worn in places. there is a rough circular groove on the upper face. D. 336 mm., T. 63 mm . Site 3(101) SF552. |
| 2222 | One third of an upper stone of rotary quern of hornblende schist. Funnel-shaped central perforation with collar. Two picked grooves radiates from this collar. Grinding surface slightly convex, unworn. D. 484 mm. T. 70 mm . Site 3(101) SF553. |

One third of upper stone of rotary quern of epidiorite. Part of funnel-shaped central perforation survives. Handle hole. Grinding surface slightly convex and worn. Section bun-shaped. Size 332 x 165 mm . T. 100 mm . Site 3(101) SF554. One third of upper stone of rotary quern of quartz schist. In two pieces. Part of central perforation survives, with decoration of three concentric grooves. Grinding surface flat and very worn in places. Very well made, very slight quern. Size 466 x 200 mm ., T. 26 mm . Site 3(101) SF555/556.

Quern fragment see 2224
Three-quarters of an upper stone of rotary quern of quartz schist. Central perforation slightly hour-glass in shape, with collar around top. A sub-rectangular collared protrusion on the upper surface acted as a handle, perhaps with string. Section of stone sub-rectangular, grinding surface flat and worn. D. 330 mm ., T. 36 mm . Site 3(101) SF468.
Half an upper stone of rotary quern of chlorite schist. Small part of central perforation remains, estimated D. 50 mm . Grinding surface worn and slightly convex. Section sub-rectangular. D. 360 mm ., D. 36 mm . Site 3(101) SF469. Rotary quern of hornblende schist. Central perforation funnel-shaped. No handle hole though there is a slight protuberance on one edge which may be a handle cf. 2226. As the stone is roughly worked and the grinding surface unworn this may be an unfinished quern or a lower stone. Section sub-rectangular, D. 400 mm , T. 35 mm. Site 3(101) SF470.

Almost complete upper stone of rotary quern of hornblende schist. Central funnelshaped perforation and oblique handle hole. The grinding surface is flat and worn, with two rind sockets. D. 440 mm. T. 49 mm . Rinds $48 \times 29 \mathrm{~mm} ., 34 \times 26 \mathrm{~mm}$.
Site 3(101) SF471.
One quarter of rotary quern of hornblende schist. Part of central perforation on one side. Grinding surface flat and worn near the circumference. Size $306 \times 203 \mathrm{~mm}$., T. 42 mm . Site 3(101) SF472.

Half of a circular grindstone of schistose grit. The block has been roughly shaped by pecking. The outer edge is worn smooth. The central hole is smooth and cylindrical with flared ends, D. 32 mm . D. of grindstone $c .21 \mathrm{~cm}$., T. 55 mm . Site 3(101) SF 473.
Upper stone of rotary quern of hornblende schist. Hourglass central perforation, upright handle hole perforating the stone. Grinding surface slightly convex, worn, with two rind sockets. Sub-rectangular section, $305 \times 278 \mathrm{~mm}$., T. 58 mm . Rinds $30 \times 20 \mathrm{~mm}$. Site 3(101) SF474.
One third of upper stone of rotary quern of quartz schist. Central perforation. Grinding surface worn and convex. Size $314 \times 217 \mathrm{~mm}$, T 56 mm . Site 3 (101) SF475
Half of a damaged rotary quern stone with central perforation. Size $377 \times 178 \mathrm{~mm}$, T 35 mm . Site 3 (101) SF476
Two thirds of upper stone of rotary quern of quartz schist. Central perforation hourglass shape, oblique handle hole. Grinding surface flat and worn, with rind sockets. Sub-rectangular section, D $516 \mathrm{~mm}, \mathrm{~T} 50 \mathrm{~mm}$. Rinds $34 \times 37 \mathrm{~mm}, 25 \mathrm{x}$ 25 mm . Site 3 (101) SF477
Very large rectangular block of schist. One surface has a cup-like depression in the centre. Size $40 \times 65 \mathrm{~cm}$. Site 3 (101) SF400.
Hammerstone, elongate river pebble of quartzite with irregular patches of battering. Size $19 \times 6 \times 5 \mathrm{~cm}$. Site 3(101).
Polisher, oval river pebble of schistose grit with polish and dark stains on both surfaces. Size $12 \times 8 \times 5 \mathrm{~cm}$. Site 3(101).
Hammerstone, oval river pebble of impure quartzite with battering at one end. Size $12 \times 6 \times 4$. Site $3(101)$.
Hammerstone, flat oval river pebble of schistose grit with one end heavily battered and flaked. Size $12 \times 7 \times 3 \mathrm{~cm}$. Site 3 (101).
Polisher, oval river pebble of quartzite with highly glossy polish and dark stain on one face. The ends and sides are naturally battered. Size $12 \times 9 \times 5 \mathrm{~cm}$. Site 3(101).
Polisher, oval river pebble of quartzite with polish and dark stains on both faces. Size $10 \times 7 \times 3$. Site 3 (101).
Oval quartzite river pebble used as hammerstone and polisher. Both ends slightly battered and faint traces of polish on one face and dark stains. Size $12 \times 6 \times 4 \mathrm{~cm}$. Site 3(101).
Oval quartzite river pebble used as polisher and hammerstone. Two surfaces have glossy polish and dark staining. Both ends and the centre of one face are battered. Size $20 \times 7 \times 5 \mathrm{~cm}$. Site 3 (101).
Polisher, flat and river pebble of impure quartzite with traces of polish on one face. Size $11 \times 6 \times 2 \mathrm{~cm}$. Site 3(101).
Polisher, long oval river pebble of intermediate igneous rock showing traces of polish. Size $16 \times 7 \times 4 \mathrm{~cm}$. Site 3(101).
Long oval river pebble, battered on one end. Size $14 \times 9 \times 6 \mathrm{~cm}$. Site 3 (101)

Polisher No. 19. Site 3 (101)
Hammerstone No. 22. Site 3 (101)
Rubbingstone. No. 9. Site 3 (101)
Hammerstone. No. 21. Site 3 (101)
Polisher. No. 10. Site 3 (101)
Hammerstone. No.29. Site 3 (101)
Hammerstone. No. 28. Site 3 (101)
Large oval river pebble of impure quartzite used as a polisher and hammerstone. Both faces show battering and signs of polish and dark stains. Size $16 \times 9 \times 6 \mathrm{~cm}$. Site 3(101).
Polisher, oval river pebble of quartzite with high polish on two sides. Size $11 \times 6 \times$ 4 cm . Site 3 (101).
Polisher and Hammerstone, oval river pebble of quartzite with traces of polish and battered ends. Size $13 \times 8 \times 4 \mathrm{~cm}$. Site 3(101).
Polisher, oval river pebble of intermediate igneous rock with polish and dark stains on one side. Size $16 \times 7 \times 5 \mathrm{~cm}$. Site 3(101).
Polisher and hammerstone, oval river pebble of basic igneous rock with both ends battered. Traces of polish on two faces. Size $14 \times 8 \times 4 \mathrm{~cm}$. Site 3 (101).
Flat oval river pebble of impure quartzite used as polisher and hammerstone. One end is battered and flaked and one face has polish and dark stains. Size $12 \times 7 \times 3$ cm. Site 3(101).

Polisher and hammerstone, oval river pebble of schistose grit with one end battered and traces of polish. Size $12 \times 7 \times 5 \mathrm{~cm}$. Site 3(101).
Polisher and hammerstone, oval river pebble of quartzite with polish and dark stains on both sides. Subsequently the ends and faces have been battered. Size 10 $\times 5 \times 4 \mathrm{~cm}$. Site 3. (101).
Polisher, rectangular river pebble of schistose grit with faint traces of polish on two sides. Size $13 \times 6 \times 4 \mathrm{~cm}$. Site 3(101).
Polisher, oval river pebble of quartzite with highly polished surfaces and dark
stains. Size $13 \times 7 \times 4 \mathrm{~cm}$. Site 3(101).
Polisher, oval river pebble of quartzite with high polish and dark stains on one side. Size $14 \times 10 \times 5 \mathrm{~cm}$. Site 3(101).
Polisher, oval river pebble of dark quartzite with polish and extensive dark stains on two surfaces. Size $10 \times 4 \times 2 \mathrm{~cm}$. Site 3(101).
Polisher, oval quartzite river pebble with dark stains and polish. Size $12 \times 9 \times 4$ cm. Site 3(101).

Polisher, oval andesite river pebble with dark stains and polish. Size $7 \times 6 \times 4 \mathrm{~cm}$. Site 3 (101).
Polisher, oval river pebble of quartzite with dark stains and signs of polish. Size 9 x $7 \times 6 \mathrm{~cm}$. Site 3 (101).
Polisher, oval quartz-schist river pebble with dark stain and signs of polish. Size 6 x 5 x 4 cm . Site 3(101).
Unworked pebble 3 (101)
Corner of ceramic ?brick. Right-angled edge of block, sides $20 \times 25 \mathrm{~mm}$. Surfaces smoothed. Fabric C5, brown/pink/dark grey. Abraded. Site 3(67).
Mould, part of large flat disc. Site 3(71)
Body sherd of E ware, vessel form indeterminate. Size 1 cm. T. 4 mm . Fabric A1, buff. Abraded. Site 3(71).
Crucible lid handle, Form C. Fabric C2c. Handle height 19 mm., section 13 x 9 mm . (US)
One third of upper stone of rotary quern of quartz schist. Central perforation. Grinding surface worn and convex. Size $314 \times 217 \mathrm{~mm}$. T. 56 mm . Site 3(101) SF475.
Half of a damaged rotary quern stone with central perforation. Size $377 \times 178$ mm., T. 35 mm . Site 3(101) SF476.

Two thirds of upper stone of rotary quern of quartz schist. Central perforation hourglass shape, oblique handle hole. Grinding surface flat and worn, with rind sockets. Sub-rectangular section, D. 516 mm ., T. 50 mm . Rinds $34 \times 27 \mathrm{~mm}$., 25 x +25 mm. Site 3(101) SF477.
Hammerstone no. 16 Site 3 (101)
Hammerstone no. 25 Site 3 (101)
Hammerstone no. 14 Site 3 (101)
Hammerstone no. 30 Site 3 (101)
Polisher no. 8 Site 3 (101)
Hammerstone no. Site 3 (101)
Hammerstone no. 20 Site 3 (101)
Hammerstone/ Polisher no. 12 Site 3 (101)
Hammerstone no. 1 Site 3 (101)
Hammerstone no. 23 Site 3 (101)
Hammerstone no. 11 Site 3 (101)
Polisher no. 19 Site 3 (101)

Hammerstone no. 22 Site 3 (101)
Rubbingstone Site 3 (101)
Hammerstone no. 21 Site 3 (101)
Polisher no. 10 Site 3 (101)
Hammerstone no. 29 Site 3 (101)
Hammerstone no. 28 Site 3 (101)
Hammerstone/ Polisher no. 24 Site 3 (101)
Polisher no. 13 Site 3 (101)
Hammerstone no. 17 Site 3 (101)
Hammerstone/ Polisher no. 26 Site 3 (101)
Hammerstone no. 6 Site 3 (101)
Hammerstone/ Polisher no. 18 Site 3 (101)
Hammerstone no. 2 Site 3 (101)
Hammerstone/ Polisher no. 5 Site 3 (101)
Polisher no. 4 Site 3 (101)
Polisher no. 3 Site 3 (101)
Polisher no. 7 Site 3 (101)
Polisher no. 27 Site 3 (101)
Polisher Site 3 (101)
Polisher Site 3 (101)
Polisher Site 3 (101)
Polisher Site 3 (101)
Unused river pebble Site 3 (101)
Unused river pebble Site 3 (101)
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Unused river pebble Site 3 (101)
Unused river pebble Site 3 (101)
Corner of ceramic ?brick. Right-angled edge of block, sides $20 \times 25 \mathrm{~mm}$. Surfaces smoothed. Fabric C5, brown/pink/dark grey. Abraded. Site 3(67); formerly in 939
Mould, part of large flat disc. Site 3(71); formerly in 1008
Bodysherd of E ware, vessel form indeterminate. Size 1 cm . T 4 mm . Fabric A1, buff. Abraded. Site 3(71); formerly in 1356
Crucible lid handle, Type C. Fabric C2c. Handle H 19 mm , section $13 \times 9 \mathrm{~mm}$. (US)

