

**Channel Tunnel Rail Link
London and Continental Railways
Oxford Wessex Archaeology Joint Venture**

**Iron Age settlement and an Anglo-Saxon cemetery at
Cuxton, Kent:**

Volume 2: The grave catalogue

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For specialist discussion of the osteological evidence and artefacts, see the following archive reports,
contained in the ADS digital archive (ADS 2006):

Blackmore, L, 2006 The small finds from Cuxton Anglo-Saxon cemetery, Kent (ARC CXT98)

Powers, N, 2006 The human remains from Cuxton Anglo-Saxon cemetery, Kent (ARC CXT98)

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Note on conventions

Note; where the variation in the base of grave is only slight, the base is considered as flat and the level indicated is the lowest recorded

The variations in alignment are defined as the deviation of the west end from the stated axis: ie '25° south from' describes the position of the west end in relation to the east end.

Note that the symbol '+' has been used to denote unstratified, usually modern, deposits which have not been described in detail in the archive.

Note on finds numbering

Object Numbers (ON) run in the series ON 1 to ON 199: Three numbers (ON 149-151) are missing from the sequence: No artefacts were assigned to ON 149 and ON 150. ON 151 is an apparent duplicate of ON 183.

Grave 165 (sk 164)*Figure 1*

W-E (25° south from), sub-rectangular cut (A2) with vertical sides and flat base - 2.50m x 0.90m, 0.50m deep (base at 31.34m OD). Slight shelf on southern side of grave cut Fill (163) light brown silt, chalk fragments and occasional flint nodule. Sealed by +.

Human Remains: Supine extended, upper arms alongside torso, lower legs crossed/c 35% skeletal recovery. Adult c 25–35 yrs, unsexed. No visible pathology.

Grave Goods:

- ON 7: 0.13m above grave base at 31.47m OD, found by left hip, below knife. Copper-alloy buckle with oval loop (16.5mm x 8mm) of round cross-section (Diam 2-3mm), and half of a folded triangular plate with slot for the pin and three rivet holes at the corners (extant L 18mm, W 10mm). Part of the pin is bent back over the buckle plate and part of one rivet remains *in situ*. AD 590–725.
- ON 65: 0.29m above grave base at 31.63m OD, found by left thigh. Iron shield boss (Group 6), low straight cone with spike at top, vertical wall; the flange is more-or-less flat. Total H 90mm, plus inserted spike (17mm, top partly missing); H of wall 13mm. Diam across base c 130mm, W of flange c 11mm. Two out of five rivets in situ, plus one loose (L 20mm, Diam of head 7.5mm). Cone virtually complete, but only c 50% of flange remains. See also grip ON 193. AD 590–700.
- ON 110: 0.12m above grave base at 31.46m OD, found on right shoulder. Large iron hook with square-sectioned shank tapering from 7mm at the top to 2mm at the tip. The hammered head is c 12mm across, and slopes downwards on one side (perpendicular to the hook). Traces of wood on the sides and at the hooked end. AD 500–725.
- ON 117: 0.19m above grave base at 31.50m OD on left hip, point down. Small iron knife, probably of Evison type 1/Drinkall and Foreman type A (Ottaway type C2), but possibly angle-backed. The broad tang is set central to the blade with stepped shoulder and choil (L 40mm, Th 2mm, W 10mm at the blade tapering to 2mm at the end). The blade is worn but seems to curve up slightly to the tip (L 75mm, W 15mm); there appears to be a groove along one side of the back. AD 450–700.
- ON 121: 0.33m above grave base at 31.67m OD, found to right side of head. Iron spearhead, Swanton group E2? Cleft socket with wood in situ, broken at the end (extant L 90mm, Diam 20mm). The slightly asymmetrical blade springs from the socket and is more or less flat, the angle almost at the base; the sides taper sharply to the tip, which is missing (extant L 128, estimated L 140mm; extant max W 39mm). Also a fragment of socket and wood, L c 50mm, W 13mm, Th 1mm. AD 500–700.
- ON 193: Found under shield boss ON 65. Iron shield grip, straight-sided strip with expanded terminals (Harke type Ia1), of which one present with central rivet hole and rivet in situ (Diam of head 5-6mm, total L 12mm, Diam of shank 2.5-3mm). Estimated length of grip 130mm; W at centre 15mm; at terminal 30mm; Th 2mm. Also one loose larger rivet with flatter head (Diam 8mm) and thicker shank (3.5-4mm; length c 16mm); this may represent a repair. AD 590–700.

Date: AD 590–700.

Grave 169 (sk 168)*Figure 2*

NW-SE (45° north of E-W; ?head at NW), sub-rectangular cut (A2) with vertical sides and flat base - 1.36m x 1.0m, 0.30m deep (base at 33.02m OD). A slightly lower rectangular area was noted associated with the bones and was found off centre of the grave. Fill (167) yellow, sandy silt with chalk fragments. Sealed by +.

Human Remains: Burial position unknown/c 20% skeletal recovery. Juvenile, 5–7 yrs, unsexed. Cribra Orbitalia left orbit - Grade 2.

Grave Goods:

- ON 35: Level not specified (but site records suggest level close to or at base of grave), found off-centre, middle of grave. Short straight-sided cylindrical bead, opaque terracotta red glass. Weight is less than 1gm. AD 500–725 but probably 7th century.
- ON 36: Level not specified (but site records suggest level close to or at base of grave), found off-centre, middle of grave. Coiled/spiralised cylindrical bead, semi-translucent turquoise glass with red streaks. Weight less than 1gm. AD 500–700.

Date: AD 500–725 but probably 7th century.

Grave 174 (sk 166)*Figure 3*

W-E (10° north of), sub-rectangular cut (A2) with vertical sides and flat base - 2.60m x 0.80m, 0.37m deep (base at 33.58m OD). Fill (173) silt with chalk fragments. Sealed by +. Penannular ditch (115) around grave with posthole (117) between terminals (IIa/b).

Human Remains: Probably supine extended/c 40% skeletal recovery. Adult, 17–25 yrs, unsexed. Right tibia (Proximal 1/3–Midshaft): Despite severe p-m damage to the bone it is clear on all aspects that the bone had a swollen/bulbous appearance with spiculations of sclerotic bone evident. Non-specific Infection - Osteomyelitis (Severity grade 2).

Grave Goods:

ON 111: Level not specified (but site records suggest level close to or at base of grave), found at right shoulder/neck. Iron buckle, small oval loop (25mm x 12mm, Th/Diam 3–4mm) with straight-sided pin (L c 13mm, Th 3mm). AD 590–725.

ON 118: Level not specified, (but site records suggest level close to or at base of grave), found at right hip. Rear part of iron blade, the complete tang set in line with the cutting edge, with stepped shoulder to the back. L of tang 47mm, Th 1–2mm, W 9mm tapering to 4mm at the end. Extant L of blade 32mm, Th 4–5mm (in uncleaned state). Remains of wooden handle on tang. AD 450–725.

Date: AD 590–725.

Grave 176 (sk 172)*Figure 4*

W-E (10° north of), sub-rectangular cut (A2), vertical sides and flat base - 2.38m x 0.80m, 0.49m deep (base at 32.04m OD). Internal ledge on all side (Ib7). Possible coffin 1.50m x 0.40m indicated by rectangular grey stain. Fill (176) crushed chalk but loose grey silt in base of grave. Sealed by +. Penannular ditch (119) around grave with post hole (121) between terminals (IIa/b).

Human Remains: Probably supine extended/c 35% skeletal recovery. Juvenile, 12–13.5 yrs, unsexed. Dentition - small carious lesion in centre of occlusal surface, right mandibular M1 (46).

Grave Goods:

ON 116: Level not specified (but site records suggest level close to or at base of grave at 32.07m OD), found in chest area. Iron knife, rear part of blade and part of centrally set tang with concave shoulder and choil. Blade L 32mm+, tang 27 mm (end missing). AD 450–725.

Date: AD 450–725.

Grave 179 (sk 178)*Figure 5*

W-E (25° north of), sub-rectangular cut (A2) with vertical sides and flat base - 2.0m x 0.80m, 0.42m deep (base at 32.66m OD). Fill (176) crushed chalk and silt. Sealed by +.

Human Remains: Supine extended with lower arms across waist and legs flexed/c 50% skeletal survival. Adult, male. Vertebrae: C2 - odontoid process, osteoarthritis (severity grade 1) T5 and T7 - ossification of the Ligamentum flavum (severity grade 1). Dentition - carious lesion mesial surface of left mandibular canine (33). Platymeric Index: 80.5 (P).

Grave Goods:

ON 3: 0.05m above base of grave at 32.71m OD, found on rib by right elbow with associated staining. Copper-alloy buckle, in worn condition, the loop bent upwards. Oval frame (W 24.5mm, L 12.5mm), with slightly oval cross-section (Diam. c 4.5mm where exposed, recessed and c 3.5mm under the buckle plate). Slightly hooked pin (L c 15mm), the shaft tapering slightly (Diam 2.5mm at the base, 2mm at the tip). The rectangular buckle plate is a folded sheet 0.5mm thick with slot for the pin, dimensions (folded): W 15mm, L 17.5mm; the inner edge of the upper side is missing. The plates are 3mm apart and were originally secured by three rivets along the inside edge; two of these survive (L c 4mm, Diam of heads c 2mm). AD 590–725.

- ON 115: On base of grave at 32.66m OD, found by feet. Lynch pin? Eye made of a rod *c* 4mm thick folded back on itself to form a loop and pin, the latter with traces of wood on it (L 40mm, W 13mm; aperture 13mm x 4mm). Also an oval butt-jointed ring (20mm x 10mm, Th 3mm) with part of another ring attached. AD 500–725.
- ON 123: 0.05m above base of grave at 32.71m OD, found across waist, (?n right hand). Iron knife of Evison type 5/Drinkall and Foreman type E (Ottaway type A2), with trace of wooden handle, complete but with worn cutting edge. The tang is set central to the cutting edge with angled shoulder and stepped choil (extant L 49mm, W 10mm tapering to 4mm, Th 2mm). L of blade 115mm+, Th 3mm; W 22mm, change in angle of back at 82mm from the tip. Total L probably *c* 165–170mm. AD 575–750.
- Date:* AD 590–750.

Grave 187 (sk 188)*Figure 6 (finds only)*

NW-SE (50° north of W-E; ?head at NW), sub-apsidal (B2) cut with vertical sides and flat base - 1.34m x 0.86m, 0.42m deep (base at 31.72m OD). Internal ledge on long sides (Ib3). Fill (185) crushed chalk and silt with (186) fine silt on base of cut. Sealed by +.

Human Remains: Unknown burial position/two teeth recovered. Infant, unsexed, 4–5 yrs. No visible pathology.

Grave Goods:

- ON 26: 0.03m from base of grave at 31.75m OD (in 186), position in relation to body not specified. Amber bead, irregular annular form with flattened upper and lower surfaces; weight less than 1gm. Possibly used as an amulet. AD 500–700, probably 7th century.

Date: AD 600–700.**Grave 191 (sk 190)***Figure 7*

W-E (10° south of), sub-apsidal cut (B2) with vertical sides and flat base - 2.50m x 0.90m, 0.48m deep (base at 31.69m OD). Fill (189) light brown silt with frequent chalk fragments. Sealed by +.

Human Remains: Supine with arms against sides/*c* 50% skeletal recovery. Adult 20–40 yrs, unsexed. No visible pathology, Platymeric Index: 85.7 (E).

Grave Goods:

- ON 4: Level not specified (but site records suggest 0.06m above base of grave at 31.75m OD), found on waist, on right side, loop facing left. Copper-alloy buckle with tiny oval loop (14mm x 12mm), with slightly oval cross-section (Diam *c* 2mm where exposed, *c* 1.5mm under the buckle plate). Slightly hooked pin (L *c* 10mm), the shaft tapering (Diam 2mm at the base, 1mm at the tip). The rectangular buckle plate is a folded sheet 0.5mm thick, cut away at the edges of the fold in order to allow the loop to swivel, and with a slot for the pin. Dimensions of the upper side: W 10mm, L 14mm; the underside is slightly smaller. The plates are up to 3mm apart and are secured by two rivets along the inside edge (now broken; diameter of heads *c* 2mm). AD 590–725.
- ON 112: Level not specified (but site records suggest 0.06m above base of grave at 31.75m OD), found on waist to left of buckle. Part of an iron mount with parallel sides and squared end. Two rivets in the outer corners and one centrally placed, 11mm in from the end. See also ON 113. AD 500–725.
- ON 113: Level not specified (but site records suggest 0.06m above base of grave at 31.75m OD), found on waist to left of buckle. Part of a mount with parallel sides and squared end. It is unclear from the X-ray whether there are any rivet holes. See also ON 112. AD 500–725.
- ON 114: Level not specified (but site records suggest 0.06m above base of grave at 31.75m OD), found on left hip. Curved iron fragment with roughly oval section with traces of wood adhering, possibly a mount? Incomplete thickness. AD 500–725. (Object not selected for illustration.)
- ON 120: Level not specified (but site records suggest 0.06m above base of grave at 31.75m OD), found on left side of waist, point down. Large iron knife of Evison type 4/Drinkall and Foreman type D (Ottaway type C3) with traces of wood on tang. Virtually complete on X-ray but now totally laminated. Tang set centrally, with stepped shoulder (two fragments, L *c* 65mm, W

15mm tapering to 5mm; Th 3mm tapering to 1.5mm). Blade L on X-ray 135mm (tip missing); W 20mm, Th 5mm+. Total L 203mm, probably originally *c* 210mm. AD 625–725.

ON 134: Level not specified (but site records suggest 0.06m above base of grave at 31.75m OD), found in waist area. Copper-alloy buckle plate in three tiny fragments, the larger with rounded edge and rivet in situ (10mm x 7mm); a second fragment joins to this. One folded fragment 6mm x 7mm. AD 500–725. (Object not selected for illustration.)

Date: AD 625–725.

Grave 194 (sk 193)

Figure 9

W-E (20° north of), sub-apsidal cut (B1) with vertical sides and flat base - 2.01m x 0.72m, 0.60m deep (base at 32.35m OD). Fill (192), brown sandy silt with frequent chalk fragments. Sealed by +.

Human Remains: Supine extended/*c* 70% skeletal recovery. Adult, male?, 33–45 yrs. Vertebrae: C2 (right inferior facet) and C3 (right superior facet) fusion. Severe osteophytosis on C2 (right inferior facet) and C3 (right inferior facet). Slight osteoarthritis on right superior and inferior facets. Dentition - right M2 severe gross caries, left M2 and M3 severe interproximal caries, left M1 socket buccal surface medium periodontal disease. Platymetric Index: 79 (P)

Grave Goods:

ON 14: 0.06m above base of grave at 32.41m OD, found at inside of right ankle; part of shoe fitting? Copper-alloy ace tag formed as a cone, but flattened towards the opening, which is of split-headed form with a centrally placed rivet just below the rim (Diam of perforation 1.5mm; pin in situ but rivet head possibly missing). Traces of mineralised fibre *in situ* between the two plates. Weight less than 1gm. AD 600–700.

ON 23: 0.06m above base of grave at 32.41m OD, found at left side of waist. Folded copper sheet, broken at both ends. The two sides are 4mm apart with mineralised leather between them and textile adhering to the outer face. Extant L 4mm, W 8mm. Also a separate piece of iron corrosion products. Probably part of a buckle plate. Weight less than 1gm. AD 500–725. (Object not selected for illustration.)

ON 30: 0.06m above base of grave at 32.41m OD, found at left side of chest. Half of an annular bead with rounded section; semi-translucent pale green glass. AD 500–700 but probably 7th century.

ON 31: Level not specified but found close to base of grave beneath head; in hair? Annular bead with flattened section, originally semi-translucent green glass (burnt). AD 500–700 but probably 7th century.

ON 119: 0.06m above base of grave at 32.41m OD, found on left side of chest, point up. Iron knife of Evison type 4/Drinkall and Foreman type D (Ottaway type C3) with traces of wooden handle. The blade and back are straight for the most part but curve slightly to meet at the point. The short tang is set central to the cutting edge, with stepped shoulder and concave choil (L 33mm, W 10mm tapering to 3mm, Th 3mm). L of blade 90mm, W 13–15mm, Th 3mm. AD 625–725.

Date: AD 625–725.

Grave 212 (sk 210)

Figure 6 (finds only)

NW-SE (5° south of), sub-rectangular cut (A1) with vertical sides and flat base - 2.50m x 0.75m, 0.40m deep (base at 33.10m OD). Fill (211) silt, crushed chalk and frequent chalk fragments. Sealed by +.

Human Remains: Probably supine extended (inferred from shape of cut)/10% skeletal recovery. Adult, unsexed, 25–35 yrs. Dentition - left mandibular M3: slight occlusal caries.

Grave Goods:

ON 28: On base of grave at 33.11m OD, found in neck area. Barrel-shaped bead, opaque white glass. Weight less than 1gm. AD 600–725 but probably 7th century.

ON 155: On base of grave at 33.11m OD, found in neck area. Short rounded cylindrical bead, opaque pale blue glass. Weight less than 1gm. Date of type at Dover 675–750 (Evison 1987, 61–3). AD 600–750.

ON 156: On base of grave at 33.11m OD, found in neck area. Short rounded cylindrical bead, opaque yellow glass. Weight less than 1 gm. Date of type at Dover 675-750 (Evison 1987, 61-3). AD 600-750.

Date: AD 600-750, probably AD 600-700, possibly after AD 675.

Grave 215 (sk 214)

Figure 8, Figure 10

W-E (10° north of), sub-rectangular cut (A2) with convex sides and flat base - 2.20m x 0.83m, 0.66m deep (base at 31.64m OD). Slot (0.44m long x 0.121m wide x 0.12m deep) at feet possibly for a grave marker. Fill (213) brpwn silty clay including moderate chalk fragments. Sealed by +.

Human Remains: Supine extended, legs slightly flexed/c 90% skeletal recovery. Adult female, 17-30 yrs. Vertebrae: L1 (inferior surface of vertebral body), L2 (superior and inferior vertebral body), L3 (inferior vertebral body) slight Schmorl's nodes. Cranial index: 78.3 (M) Platymeric Index: 71.8 (P).

Grave Goods:

- ON 11: 0.06m above base of grave at 31.70m OD, found on right shoulder with beads. Small, silver ring, closed with an elastic slip knot. Diameter of wire tapers towards the ends. Weight less than 1gm. AD 600-725, probably AD 650-700.
- ON 25: 0.06m above base of grave at 31.70m OD, found at centre of waist. Iron buckle/buckle plate with copper rivets and textile remains on the back. Oval loop, bent slightly upwards (19mm x 12mm; cross-section unknown, but Th c 4mm). The rectangular plate is a folded sheet 0.5mm thick with slot for the pin (dimensions from X-ray 15mm x 13mm). The plates are up to 2mm apart and are secured by two copper alloy rivets c 5mm apart at the inside edge (Diam of heads c 1mm). The X-ray suggests that the buckle plate is decorated with a central line/rib that passes between the two rivets but this is not visible on the object itself. AD 590-725.
- ON 27: 0.06m above base of grave at 31.70m OD, found with ON 191 on left hip. Facetted drop-shaped amethyst bead with lozenge-shaped section at the ends; diameter of central perforation 2mm. AD 590-725, possibly AD 650-700.
- ON 38: 0.06m above base of grave at 31.70m OD, found in neck/right chest area. Wound barrel-shaped bead, opaque green glass. AD 500-700.
- ON 40: 0.06m above base of grave at 31.70m OD, found between legs near pelvis. Near complete pear-shaped pendant of antler pedicle with flat back and convex front (L now 65mm, W 53mm, Th 3-4mm). Punched decorated comprising a central dot around which are two circles of dots, all c 2mm across (inner circle 21mm across, outer one c 40mm across). Part of the iron mount survives (extant L 17mm, W 14mm), which would have been as ON 44. Very fragile. Fragments of fibre on the upper face. AD 600-700, possibly AD 650-700.
- ON 41: 0.06m above base of grave at 31.70m OD, found at left hip (in a bag?). Pendant made of a reused annular bead of translucent pale green glass with overlapping trails of fine twist decoration in opaque white glass (broad) and the same green (narrow). The simple mount comprises a copper alloy strip that overlaps at the ends with roughly oval plate for the back (now detached). No evidence for a suspension loop. AD 650-725.
- ON 42: 0.04m above base of grave at 31.68m OD, found at lower left hip (in a bag?). 30 fragments plus numerous small crumbs from a worn double-sided comb; antler with iron rivets. Seven main tooth-plate fragments, including both end and central plates (W 35mm); c 23 fragments of connecting plate, the longest (2 joining pieces) 93mm x 15mm. Maximum thickness 7mm. Very fragmented and real measurement impossible. AD 600-700 but full possible date range AD 550-725.
- ON 43: 0.06m above base of grave at 31.70m OD, found at left side of waist, possibly in a bag with ON 58 and ON 145. Iron shears, probably complete when buried but now in 18 laminated pieces. Estimated L 195-200mm. The bowed part has a rectangular cross-section (W 14mm, Th 5mm?), tapering to the junction with the blade. Extant L of blades c 56mm (originally c 60-5mm, max W 17mm). AD 575-700, probably AD 650-700.
- ON 44: 0.06m above base of grave at 31.70m OD, found at left hip (in a bag?). Upper part of a bone/antler pendant, probably as ON 40 (Th 2mm), held within an iron mount by two rivets. The mount comprises a rod 5mm thick, bent into a loop 16mm across, with a flattened plates at either end (L 16mm, W c 10mm). Very fragile. AD 600-700, possibly 650-700.
- ON 50: On base of grave at 31.65m OD, found between legs by left side of pelvis. Large iron ring, probably from a chatelaine, complete, but in two pieces and badly laminated; the cross-section

- is hard to define but seems to be more or less round. There is no sign of a joint on the X-ray. AD 575–725.
- ON 54: On base of grave at 31.65m OD, found between legs by left side of pelvis. Small oval ring with scarf joint and oval section (3–4mm across), probably from a chatelaine. Complete but bent. The end of another object (key/pin?) is looped round the ring and projects from it (L 15mm inclusive). Traces of mineralised organic matter (textile?). AD 575–725.
- ON 55: 0.06m above base of grave at 31.70m OD, on right shoulder/neck area. Short straight-sided cylindrical bead, opaque lime green glass. Weight less than 1gm. Date of type at Dover 575–625 (Evison 1987, 61–3). AD 500–700.
- ON 58: 0.03m above base of grave at 31.67m OD, found at left side of waist beneath ON 145 (in bag with shears ON 43 and knife ON 145?). Iron tool, possibly a sharpening steel, in three pieces. Comprising a uniformly flat straight-sided bar, the tang (extant L 39mm, W 4mm) set slightly off-centre, with long concave shoulders and a rounded terminal. L of blade 72mm, W 10–11mm; Th 3mm. AD 600–725.
- ON 60: On base of grave at 31.65m OD, found between legs near pelvis. Iron chatelaine, six pieces. AD 575–725.
- 60a Two keys. The largest piece (L 175mm) has flattened shank of rectangular section at the terminal, which is bent over to form a lateral suspension loop (W 12mm, Th 4mm); the shank tapers to a square section towards the base; the bit end is probably ON 144. The other has shank of rectangular section with 'L'-shaped terminal (end missing; L c 105mm, W 8mm).
- 60b, c Two rods, one with hooked terminal looped around the remains of a ring (L 69mm), the other 40mm long attached to a ring originally c 35mm in diameter.
- 60d Possible tanged implement (two pieces), with blade of flat section that seems to taper to a point (L of blade 48mm, W 9mm, Th 2–3mm). See also ON 50, ON 54, ON 143.
- ON 136: 0.06m above base of grave at 31.70m OD, possibly from neck area with other beads. Short straight-sided cylindrical bead, opaque terracotta red glass. Weight less than 1gm. Date of type at Dover AD 575–625 (Evison 1987, 61–3). AD 500–725.
- ON 142: 0.06m above base of grave at 31.70m OD, possibly from neck area with other beads. Small cowrie bead, slightly waisted form. Weight less than 1gm. AD 600–700.
- ON 143: On base of grave at 31.65m OD, found between legs near pelvis. Half of the bit end of an iron key of squared 'T'- or 'E'-shaped form (estimated W 30mm), the shank 8mm square in cross section (L 17mm). One of the wards is intact (inside L 12mm, outside 18mm; Th 4mm, section unclear). See also ON 50, ON 54, ON 60, ON 144. AD 575–725.
- ON 144: On base of grave at 31.65m OD, found between legs near pelvis. The bit end of an iron key of slightly rounded 'T'- or 'E'-shaped form (W 30mm) with shank of circular cross section (L 12mm, Diam 7mm). One of the wards is intact (inside L 11mm, outside 18mm, Diam 4mm), but the other is broken (L c 5mm). Almost certainly from the long shank in ON 60; see also ON 50, ON 54, ON 143. AD 575–700.
- ON 145: 0.06m above base of grave at 31.70m OD, found at left side of waist below shears, (in a bag?). Iron knife, probably of Evison type 1/Drinkall and Foreman type A (Ottaway type C3); complete but in two pieces and laminating. The broad tang is set more or less centrally, with concave shoulder and slight angular choil (extant L 27mm, W c 10mm tapering to 8mm. Blade L 72mm, W 15mm, Th 3mm. The rear part of the back is straight, sloping down slightly (L 63mm); the front part is convex, curving down to the tip. It is unclear if the cutting edge is damaged or if it slopes up slightly at the tip. AD 450–700.
- ON 191: 0.06m above base of grave at 31.70m OD, found with ON 27 on left hip. Drop-shaped amethyst bead with lozenge-shaped section at the ends; longitudinal perforation (Diam 1.5mm). Found with ON 27. AD 590–725, possibly AD 650–700.
- ON 199: Location in relation to base of grave or body not known. Short rounded cylindrical bead, opaque terracotta red glass. Date of type at Dover 675–750 (Evison 1987, 61–3). AD 500–725.
- ON 157–182: Beads, 0.06m above base of grave at 31.70m OD, found at right shoulder/neck.
- ON 157–60, 162–3: Short rounded cylindrical bead, opaque terracotta red glass. AD 500–725.
- ON 161: Pentagonal cylindrical bead, opaque terracotta red glass; weight less than 1gm. Right shoulder/neck area. AD 500–725
- ON 164: Straight-sided cylindrical bead, opaque blueish-white glass. AD 600–700.
- ON 165: Barrel-shaped bead, opaque dark green glass. AD 500–700.
- ON 166: Short rounded cylindrical form, green glass. AD 500–700.
- ON 167: Short rounded cylindrical bead, wound opaque dark turquoise/blue glass. AD 500–700.

- ON 168–9, 170, 174, 177: Short straight-sided cylindrical bead, wound opaque dark turquoise/blue glass, ON168, 170, 174 & 177 have red streaks. AD 500–700.
- ON 171: Short rounded cylindrical bead, opaque green glass. AD 500–700.
- ON 172: Small spun annular bead, opaque green glass. Probably later 6th- or 7th-century in date. AD 500–700.
- ON 173: Short rounded cylindrical bead, opaque green glass with red streaks. Date of type at Dover AD 675–750 (Evison 1987, 61–3). AD 500–700.
- ON 175–6: Small disc-shaped bead, wound opaque dark blue/turquoise glass with red streaks. AD 500–700.
- ON 178, 180: Tiny annular bead, wound opaque yellow glass. Probably later 6th- or 7th-century in date. AD 500–700.
- ON 179: Short straight-sided cylindrical bead, opaque yellow-green glass. AD 500–700.
- ON 181–2: Short straight-sided cylindrical bead, opaque terracotta red glass. Right shoulder/neck area. AD 500–725.
- Date:* AD 650–725 (later 7th century amethysts), possibly AD 675–700.

Grave 218 (sk 217)

Not illustrated

W-E (12° north of), sub-apsidal cut (B2) with vertical sides and flat base - 1.12m x 0.56m, 0.55m deep (base at 32.07m OD). Fill (216) yellow-grey silty sand with very frequent chalk fragments, body stain covers base of grave. Sealed by +. Penannular ditch (132) with post hole (134) between terminals (IIa/b).

Human Remains: Probably supine extended/c 5% skeletal recovery. Juvenile, unsexed, 2–9 yrs. No visible pathology.

Grave Goods: None.

Date: n/a.

Grave 243 (sk 242)

Not illustrated

W-E (head unk) (40° north of), sub-rectangular cut (A2) with vertical sides and flat base - 1.40m x 0.75m, 0.75m deep (base at 31.53m OD). Fill (241) sandy silt and chalk fragments. Sealed by +. Penannular ditch (136) with posthole (133) between terminals (II a/b).

Human Remains: burial position unknown/c 5% skeletal recovery. Infant, unsexed, 1–2 yrs. No visible pathology.

Grave Goods: None.

Date: n/a.

Grave 247 (sk 246)

Figure 11

W-E (25° north of), sub-rectangular cut (A2), vertical sides, flat base - 2.50m x 0.90m, 0.60m deep (base at 33.08m OD). Fill (245) sandy silt and chalk fragments. Sealed by +.

Human Remains: Supine extended, upper arms parallel to torso, lower legs meet at feet/c 40% skeletal recovery. Adult, unsexed, 17–35 yrs. No visible pathology.

Grave Goods:

- ON 8: 0.05m above base of grave at 33.12m OD, found between legs, by right thigh. Buckle made of copper alloy with silver coating, gilded pin, gilded details on the loop and plate and an amalgam gilding on the mounts around the garnets. The oval loop is 24mm x 10.5mm, with round cross-section (*c* 4mm in diameter where exposed, and *c* 3.5mm under the buckle plate); it is decorated with gilded bands of transverse lines. The slightly hooked pin has a moulded and gilded terminal (possibly zoomorphic) and a ridged grip at the base (*L c* 15mm); the shaft tapers slightly from 2.5mm in diameter at the base to 2mm at the tip. The rectangular buckle plate is a folded sheet 0.5mm thick, slightly offset at the fold and with slot for the pin. Dimensions (folded): 17mm wide, 19mm long. The upper side is decorated with an incised geometric design. The plates were secured by two rivets at the inner corners with decorative

- mounts comprising cabochon garnets encircled by three rings of beaded wire (diam at base 6mm, height 3.5mm). Further details of the design and parallels are given in the buckle report. AD 600–725, probably AD 650–700.
- ON 13: 0.05m above base of grave at 33.12m OD, found at right side of waist, from shield?. Complete oval copper-alloy plate with two perforations (Diam 3mm) and the vestiges of two iron rivets. See also ON 146. AD 625–700.
- ON 46: 0.07m above base of grave at 33.14m OD, found at right side of head. Iron spear of Swanton type C or D in three pieces. Cleft socket with wood in situ and base of blade in two non-joining pieces (L of socket fragment 80mm+, basal Diam 17mm; L of socket/blade 62mm, W 26mm). Also a small fragment of blade (30mm x 26mm). AD 450–700.
- ON 48: 0.05m above base of grave at 33.12m OD, found at left side of chest. Small iron buckle with oval loop (Th 3mm, cross section uncertain); slightly hooked pin in situ (L 15mm). Slight traces of mineralised organics. AD 590–725.
- ON 49: 0.05m above base of grave at 33.12m OD, found at left side of waist by ON 64. Shield grip, straight-sided iron strip in three pieces, two joining, from a mount or grip of Harke type Ia2 set transversely on wood. Extant L 126mm, no rivet holes apparent; W 18–20mm. Mineralised wood adhering to the back, and textile over a large part of the front. AD 625–700.
- ON 52: 0.05m above base of grave at 33.12m OD, found at right side of waist. Iron knife, rear part of blade with traces of wooden handle on the tang, which is set centrally to the cutting edge, with angled shoulder and stepped choil (extant L 28mm, W 10mm tapering to 5mm). The straight back is parallel to the cutting edge (extant L 40mm, W 18mm, Th c 2mm). AD 450–725.
- ON 64: 0.13m above base of grave at 33.21m OD, found at left side of the waist. Iron shield boss (Group 7), tall straight cone with clear evidence of seam (overlap at base 24mm); the spike is missing, but seems to have been inserted. Slightly angled straight wall and more-or-less flat flange. Extant H 128mm; H of wall c 27mm. Diam across base 138mm, W of flange c 12mm; Th 1.5mm. Four possible rivets apparent on the X-ray but less clear on the object. Cone virtually complete, with 82% of flange. Weight includes chalk inside and out. Traces of wood on part of outer surface, and possibly on the underside; also numerous loose wood fragments. See also grip ON 49 and mount ON 146. AD 625–700.
- ON 146: 0.05m above base of grave at 33.12m OD, found at right side of waist but probably from shield ON 64. Iron shield stud, twin domed rivets in mineralised wood, not more than 1mm apart and possibly touching. Diam of head 9mm, H of head 4mm, L of shank 10mm, Diam 4mm tapering to 3mm; thickness of wood 8mm+. Probably from edge of shield, although no others found. See also washer ON 13. AD 625–700.
- Context 246: Found at feet. Merovingian wheel-thrown bottle in a hard sandy greyware, slightly abraded. The upper body has a light vertical burnish, while horizontal bands of unevenly applied rouletting/stamped decoration encircle the shoulder and girth. Where visible, these form a segmented cable design (a closely spaced curving 'Z' motif), a style which has also been noted at Faversham (Evison 1979, 8–13; 68; Map 3). Height 210mm (neck 55mm); rim diameter 60mm, base diameter 75mm, maximum girth 160mm. Possibly AD 580–700.
- Date:* AD 625–700, probably AD 650–700.

Grave 250 (sk 249)*Figure 12*

W-E (3° south of), sub-rectangular cut (A2), vertical sides, flat base - 2.35m (truncated) x 0.70m, 0.40m deep (base at 33.08m OD). Fill (248) silty crushed chalk and chalk fragments. Feet truncated by hedge/fence line (unnumbered).

Human Remains: Supine extended, head on left shoulder, hands meet at waist/c 90% skeletal recovery. Adult, female? 20–40 yrs. Vertebrae: T10 (right and left inferior facets), T11 (right and left superior facets), L2 (right superior facet), and L4 (right superior facet) - slight to moderate osteoarthritis. L3 (inferior body surface) and L4 (superior body surface) - moderate Schmorl's nodes. Unsided rib: proliferation of sclerotic bone around articular facet margin - slight osteoarthritis. Dentition - left mandibular M1: severe gross caries. Platymeric Index: 69 (P), Stature estimate 1.63m.

Grave Goods: None

Date: n/a

Grave 262 (sk 261)*Figure 13, Figure 14*

W-E (30° north of), sub-rectangular cut (A2), vertical sides, flat base - 2.08m x 0.70m, 0.64m deep (base at 31.28m OD). Ledges long sides (Ib7) . Fill (260) crushed chalk and chalk fragments. Sealed by +. Penannular ditch (126) (IIb)

Human Remains: Supine extended, hands meet at waist/c 90% skeletal recovery. Adult, male, 30-45 yrs. Vertebrae: C1 (Odontoid process facet), T10 (right and left superior costal facets), T11 (right and left superior costal facets), L1 (right and left superior facets), L4 (right and left superior facets, left inferior facet), L5 (right and left superior facets) - slight to moderate osteoarthritis. T10 (inferior body margin mid and left portions) and T11 (superior body margin mid and left portions) fused. (Possible DISH). T11 (Inferior body surface) and T12 (superior body surface) - moderate Schmorl's nodes. C5 (superior body surface), T11 (inferior body surface), T12 (superior body surface) - moderate to severe intervertebral disc disease. C3 (inferior body margin all round), C4 (superior body margin all round), C5 (superior and inferior body margin mid portion), C6 and C7 (superior body margin mid portion), T1 (Left transverse process costal facet), T2 (Left and right transverse process costal facet), T3 (Left and right transverse process costal facet and left superior costal facet), T4 (superior body margin left portion and inferior body margin all round), T5 (right inferior costal facet), T7 (inferior body margin mid portion), T10 (inferior body margin mid and left portion), T11 (superior body margin left and mid portion), T12 (Superior and inferior body surface all round) - Slight to severe Osteophytosis. T8, T10 and T11 slight ossification of ligamentum flavum. Right Humerus (Distal epiphyses), Right Ulna (Proximal epiphysis) - Severe dislocation. (See assessment form for details). Right Femur (Head) and right acetabulum - Moderate subluxation. (See assessment form for details). Left and right rib heads: Traces of sclerotic bone at articular facet - Slight osteoarthritis. Platymeric Index: 80.4 (P) Stature estimate: 1.8m.

Grave Goods:

- ON 12: *c* 0.02m above base of grave at *c* 31.30m OD, found by left hip lying on skeleton, from belt fitting? Copper-alloy lace tag formed as a tightly rolled cone, the edges abutting, complete but damaged at the tip. Slightly oval section, flattening towards the opening, which has a rivet placed (somewhat surprisingly) across the short sides. Weight less than 1gm. AD 600-700.
- ON 15: *c* 0.02m above base of grave at *c* 31.30m OD, found at waist lying on skeleton. Copper-alloy, triangular hollow-cast counter-plate with bevelled sides, curved expansions on either side to accommodate the heads of two plain discoid studs (Diam 8mm, H 3mm) with integral plain ring collars; rounded terminal with a third identical stud. On the underside are three squared perforated attachment loops (L 6mm, W 2mm, H 8mm), two set axially between the studs at the outer end, and one transversely just inside the terminal stud. Very good condition. See also ON 16, ON 18, ON 140, ON 148. AD 590-650.
- ON 16: *c* 0.02m above base of grave at *c* 31.30m OD, found at waist lying on skeleton. Complete, copper-alloy and iron, plain hollow-cast buckle plate of tinned copper alloy with rounded outline and straight shoulders (W 42mm, L 36mm), possibly originally gilded. The three discoid mounts are missing, but their pins and traces of solder survive. On the underside are three rounded perforated attachment loops (L 9mm, W 2mm, H *c* 8mm), two set axially outside the studs at the outer end, and one transversely just outside the terminal stud. The hinge is formed by two lugs that project from the plate (L 7mm) and house a pin, possibly of iron with copper alloy terminals? (L 26mm, max diam 5mm). The tongue is of iron, heavily corroded (total L 28mm); it has a squared base plate (16.5mm square) but the tip is missing. Traces of fibre noted in the attachment loops. See also ON 15, ON 18, ON 140, ON 148. AD 590-700.
- ON 18: *c* 0.02m above base of grave at *c* 31.30m OD, found at waist lying on skeleton. Complete copper-alloy hollow cast oval loop of tinned copper alloy with bevelled sides (Th 1mm). From the back of the frame project two mouldings, possibly broken lugs, aligned with the long axis; at the centre of these are perforations *c* 1mm in diameter through the frame. See also ON 15, ON 16, ON 140, ON 148. AD 590-700.
- ON 57: *c* 0.02m above base of grave at *c* 31.30m OD, found in stomach area lying on skeleton. Iron knife, rear part of blade (L 11mm), the tang set in line with the cutting edge and with remains of wooden handle; also three blade fragments. L of tang 40mm, W 11mm tapering to a point. AD 450-725. (not illustrated)

- ON 127: *c* 0.02m above base of grave at *c* 31.30m OD, probably found in waist or right hip area lying on skeleton. Plain copper-alloy disc; obverse flat with rounded rim edge, reverse flat with slight tool marks (mainly parallel). Th less than 1mm, weight less than 1gm. Possibly a symbolic coin? Found in possible bag group with <15>, <16>, <18>, <128>, <129>, <140>, <148>. AD 500–725.
- ON 128: *c* 0.02m above base of grave at *c* 31.30m OD, probably lying on skeleton in waist or right hip area. Copy of a Roman coin; the design is very unclear and cannot be identified precisely. Found in possible bag group with ON15, ON16, ON18, ON127, ON129, ON140, ON148. AD 300–350.
- ON 129: *c* 0.02m above base of grave at *c* 31.30m OD, probably lying on skeleton in waist or right hip area. Perforated iron disc with slight trace of copper on the upper surface, probably a buckle fitting, possibly reused as a symbolic coin. Diameter of perforation 1mm. Found in possible bag group with ON15, ON16, ON18, ON127, ON128, ON140, ON148. AD 590–650.
- ON 130: *c* 0.02m above base of grave at *c* 31.30m OD, found in waist area lying on skeleton. Iron skewer-like implement (L 92mm) with flattened shank of rectangular section which is bent over to form a handle or suspension loop at the terminal (Diam. of eye 20mm, W 8mm, Th of rod 5–8mm); the shank changes to a smaller, squarer section at the broken end. Also ten slender rod-like fragments and many smaller fragments in very poor condition. Two have been set into wood (max L 43mm, Diam. 4–6mm); the pointed ends of two rods are fused together, while two others are in two joining pieces (L 35mm, 65mm). Textile remains are visible on some of these pieces. AD 575–725.
- ON 131: *c* 0.02m above base of grave at *c* 31.30m OD, found in waist area lying on skeleton. Front part of a long thin iron blade, slightly bent, apparently with a change in the angle of the back 43mm in from the tip. The cutting edge appears to slope up to the tip. Recorded as Evison type 3/Drinkall and Foreman type C (Ottaway type A3), but possibly Evison type 1/Drinkall and Foreman type A. AD 525–750.
- ON 132: *c* 0.02m above base of grave at *c* 31.30m OD, found in waist area lying on skeleton. Tapering iron strip in three pieces, curved over at the wider end. L 105mm, W 16mm at the end, tapering and thickening towards the broken end; W at mid-point 10mm, below this not measurable. Th at the wider end 2mm, over 3mm at the broken end. Apparently found in possible purse/bag; function uncertain. AD 500–725.
- ON 133: Location in relation to grave base and body not known. Tiny copper-alloy buckle and buckle plate. Oval loop (12mm x 8mm) with grouped radial lines on each side of the loop and on either side of the pin; oval cross-section (*c* 2mm in diameter tapering to 1.5mm under the buckle plate). Slightly hooked pin (L *c* 10mm) with moulded decoration at the base; the shaft is *c* 1.5mm in diameter, with bifurcated tip. The rectangular buckle plate is a folded sheet 0.5mm thick with slot for the pin (L of upper side 12mm, W 8mm). The underside and inner edge are damaged, but the latter was originally serrated. The plates are *c* 1mm apart and secured by two rivets by the inside edge (Diam of heads 1.5mm, L 2mm). AD 640–700.
- ON 140: *c* 0.02m above base of grave at *c* 31.30m OD, found in waist area lying on skeleton in possible bag group with ON15, ON16, ON18, ON127, ON128, ON129, ON148. Probably from ON 16 (see also ON 148). Domed copper-alloy rivet mount from a buckle with integral beaded collar and traces of soft tin-lead solder inside. As <148>. Weight less than 1gm. AD 590–650.
- ON 147: *c* 0.02m above base of grave at *c* 31.30m OD, found in stomach area lying on skeleton. Copper-alloy, shield-shaped mount, slightly damaged, made of a thin sheet metal (Th 0.5mm). Round-headed rivet in situ at the rounded end and broken perforations for two rivets (now loose) at the corners of the straight edge. L of rivets 9mm, Diam of head 3mm, shank 2mm. Also a small fragment of leather/wood (L 12mm, W 5mm). Weight less than 1gm. AD 600–700.
- ON 148: *c* 0.02m above base of grave at *c* 31.30m OD, found in waist area lying on skeleton in possible bag group with ON15, ON16, ON18, ON127, ON128, ON129, ON140. Probably from ON 16 (see also ON 140). Domed copper-alloy rivet mount with integral beaded collar and traces of soft tin-lead solder inside. Weight less than 1gm. AD 590–650.
- ON 194: *c* 0.02m above base of grave at *c* 31.30m OD, on right hip lying on skeleton, probably from purse (see also ON 130). Pin with irregularly rounded/sub-biconical knob head (Diam 6mm, Th 4mm) and part of shank (L 17mm, Diam 2–3mm). AD 450–725.
- Date:* AD 640–725, probably AD 640–700, possibly AD 640–60.

Grave 277 (sk 276)*Figure 15*

NW-SE (55° north of W-E), sub-rectangular cut (A2), vertical sides, flat base - 1.50m x 0.66m, 0.50m deep (base at 30.93m OD). Fill (275) crushed chalk and chalk fragments, dark brown stain around body. Sealed by +.

Human Remains: Probably supine extended/c 5% skeletal recovery. Infant, unsexed, 4–5 yrs. No visible pathology.

Grave Goods:

ON 45: 0.03m above base of grave at 30.96m OD, found at left side of head. Iron knife of Evison type 1/Drinkall and Foreman type C (Ottaway type C1). The broad tang is set in line with the cutting edge, with stepped shoulder to the back and sloping choil (L 45mm, W 10mm tapering to 6mm at the rounded terminal; Th 2mm?). The blade is worn but curves up to the tip (L 80mm, W 17mm). AD 450–700.

ON 47: Location in relation to base of grave and body unknown. Miniature iron spear or javelin, possibly of Swanton group D3, bent and in 3 joining pieces. Long thin socket with tightly fitting seam (L c 85mm, Diam c 12mm), solid shank (L c 33mm) and tiny leaf-shaped blade (L 27mm, W c 11mm). Extant L 145mm, max Diam 12mm. AD 500–600, possibly 7th century?

Date: AD 500–600.

Grave 279 (sk 280)*Not illustrated*

NW-SE (40° north of W-E), sub-rectangular cut (A2), vertical sides, flat base - 2.10m x 0.80m, 0.70m deep (base at 32.20m OD).?Coffin measuring 1.56m x 0.50m. Fill (278) silt and chalk fragments, skeleton on 'bed' of ash and charcoal (287). Penannular ditch (142). This ditch is cut by 140 (penannular ditch of grave 286) and 144 (penannular ditch of grave 297).

Human Remains: Supine extended/c 50% skeletal recovery. Adult, female?, 25–45 yrs. Vertebrae: C5 (superior left facet) - slight osteoarthritis. Skull: Left Orbit (Mid roof) - possible moderate Cribra Orbitalia (unclear due to root activity seen across all skeletal elements). Dentition - right maxillary M3 - Severe gross caries.

Grave Goods:

None.

Date: n/a

Grave 283 (sk 282)*Figure 16, Figure 17*

SW-NE (35° south of W-E), sub-rectangular cut (A2), vertical sides, flat base - 2.60m x 0.83m x 0.60m (base at 30.92m OD). Possible coffin defined by staining (no further description but clearly different to normal grave fill). Fill (281) silty crushed chalk and chalk fragments. Sealed by +.

Human Remains: Supine extended/c 15% skeletal recovery. Adult, unsexed. No visible pathology.

Grave Goods:

ON 17: Location in relation to base of grave and body unknown. Copper-alloy composite mount, triangular in outline (L of sides 12–13mm, Th 1mm) with single rivets (L 4mm) at the notched corners. A sub-triangular opening is formed at the centre. The back is largely missing but appears to have been the same or similar. Weight less than 1gm. Probably a belt fitting. AD 600–700.

ON 20: 0.05m above base of grave at 30.97m OD, found at waist. Kidney-shaped, copper-alloy purse frame made of a strip 4mm wide with flat base and convex upper face with holes at intervals of 30–40mm for attachment to cloth, leather or wood. The return on the upper right side (facing away from the wearer) is missing but that on the left remains. The terminal has a rivet hole by the straight edge, and is separated from the frame by an incised band of four transverse lines. Associated with two small buckles and a mount (ON 188, ON 189, ON 190). AD 600–700, probably AD 650–700.

ON 69: 0.05m above base of grave at 30.97m OD, found at waist. Flat iron strip with parallel sides and oblique finished end; the other end is broken. Traces of leather and two minute flecks of

- copper on one side; textile fibres on the other side and along one edge. Found in purse/bag, possibly a sharpening steel? AD 500–725.
- ON 75: 0.11m above base of grave at 31.03m OD, found outside right shin. Iron tool, punch/awl, complete, but badly laminating. Square cross section (10mm) at the mid-point, tapering to a rectangular section at the chisel-shaped edges (c 5mm x 1mm). AD 500–700, probably 7th-century.
- ON 76: On base of grave at 30.92m OD, by feet (with ON 195, ON 196). Iron knife, most of blade (point missing) and tang in two joining pieces; form uncertain but probably Evison type 1/Drinkall and Foreman type C (Ottaway type C1 (unless part of a pair of shears). The tang is of irregular section, apparently expanding towards the base; it is set more or less centrally (L c 70mm). Extant L of blade c 70mm, W 17mm, max Th 3mm. AD 450–700.
- ON 125: 0.04m above base of grave at 30.96m OD, found beside right waist. Iron knife of Evison type 5/Drinkall and Foreman type E (Ottaway type A2), complete but in 2 pieces and laminating. Traces of wooden handle on the tang, which is set central to the cutting edge with stepped shoulder(?) and choil. The back changes angle at 50mm from the tip. The cutting edge is worn and although it seems to curve up to the tip, the latter might be missing. Extant L of blade 118mm, W 21mm, Th 5mm. L of tang 57mm (end missing?), W 10mm tapering to 5mm, Th 5mm tapering to 2mm. AD 575–750.
- ON 137: 0.05m above base of grave at 30.97m OD, found at waist, over purse? Hollow-cast Continental-style buckle and buckle plate of leaded gunmetal/brass. The plate is triangular in outline (L 73mm, W 28mm, D 5mm, Th 1mm) with curved expansions on either side to accommodate the domed rivet mounts (Diam 11mm, H 5mm, ?originally with integral beaded ring collars). At the rounded terminal are the pin and basal disc for a third rivet mount. The back plate is present but detached, and the void within the plate contains a thin layer of chalk with longitudinal grooves from the fabric of the belt. At the front of the plate is a narrower extension with slot for the pin that wraps around the loop, is folded back on itself (up to 25mm) and is secured by the rivets for the studs noted above. The slightly hooked pin is solid, with D-shaped section and is wrapped around the loop with a large loop that would have been quite loose when new. It expands from 2mm at the tip to 3.5mm at the base and has a dainty fan-, or shield-shaped base plate at the centre of which is a rivet. The cast oval loop is D-shaped with C- to V-shaped section (external W 33.5mm, L 18mm). AD 590–650.
- ON 188: 0.05m above base of grave at 30.97m OD, found at waist, associated with purse ON 20 (see ON 189, ON 190). Copper-alloy buckle and buckle plate. D-shaped loop (14mm x 7.5mm), with flattened oval cross-section (c 1.5 x 1mm). The pin is damaged at the tip (extant L 8mm, Diam 1.5mm). The rectangular buckle plate is a folded sheet 0.5mm thick with slot for the pin (maximum W 10mm, L 12mm; underside damaged at the inner edge). Two rivet holes at the inside corners, rivets missing. Weight less than 1gm. AD 590–725.
- ON 189: 0.05m above base of grave at 30.97m OD, found at waist associated with purse ON 20; (see ON 188, ON 190). Complete, tiny, copper-alloy buckle. D-shaped loop (13mm x 7mm); round cross-section (Diam c 2mm tapering to 1.5mm under the buckle plate). Slightly hooked pin (L c 10mm) tapering from 2mm at the base to 1.5mm at the tip. The rectangular buckle plate is a folded sheet 0.5mm thick with slot for the pin (maximum W 10mm, L 12.5mm). The plates have sprung apart but were secured by two rivets along the inside edge (Diam of heads c 2mm, L 3mm). Weight less than 1gm. AD 590–725.
- ON 190: 0.05m above base of grave at 30.97m OD, found at waist associated with purse ON 20 (see ON 188, ON 189). Copper-alloy mount, folded strip 6mm wide with rivet hole at the centre of one broken end. Extant L 20mm, Th 0.5mm, distance between ends 7.5mm. Also a flat strip, L 20mm, W 6mm, Th 0.5mm. Weight less than 1gm. AD 590–700.
- ON 195: Probably 0.05m above base of grave at 30.97m OD, by feet. Iron tweezers, two irregular iron strips joined together at one end; three pieces, two joining (L 74mm), one loose (L 32mm). W 7mm, Th 5mm. Identification uncertain; originally accessioned as ON 76 and possibly from a pair of shears; see also ON 196. AD 600–725.
- ON 196: 0.05m above base of grave at 30.97m OD, by feet. Iron tool, possible awl set in wood with bundled threads and mineralised ?leather adhering; overall L 63mm, max W 16mm. Also a smaller piece of corrosion products with similar mineralised organics, L 28mm, W 12mm. Originally accessioned with ON 76 or ON 195 (could be part of either). AD 600–700.
- Date:* AD 600–725, probably AD 640–700, possibly AD 640–60.

Grave 286 (sk 285)*Figure 18*

W-E (10° north of) sub-rectangular cut (A2), vertical sides, flat base - 2.50m x 0.70m x 0.65m (base at 32.23m OD). Fill 'Organic staining' around body. Penannular ditch (140) with posthole (244) located very close to one of the terminals (IIa/b). This ditch cuts 142 (penannular ditch of grave 279).

Human Remains: Bone survival very poor. Dimensions of grave suggest adult. No visible pathology

Grave Goods:

ON 68: 0.05m above base of grave at 32.28m OD, found in waist area. Iron knife, rear part of a narrow blade and complete tang with rounded end (L 46mm) in remains of wooden handle (2 fragments), with three non-joining blade fragments; form unknown. AD 450–725. (Object not selected for illustration.)

ON 126: 0.08m above base of grave at 32.31m OD, found in chest area, head end uppermost. Unusual ring-headed pin of tin bronze, possibly Celtic, with offset head, the ring springing from the front of the shaft rather than the top. L of shaft 72mm, Diam 3mm tapering to 2mm (tip missing). Ext Diam of ring 10mm; Diam in cross section 2mm. Total L probably c 90mm? 200 BC–AD 50.

Date: AD 450–725.

Grave 291 (sk 290)*Figure 19*

W-E (25° north of), sub-rectangular cut (A2), vertical sides, flat base - 2.30m x 1.30m, 1.0m deep (base at c 31.64m OD). Two large flints at head end placed above (ie. on) the coffin. Coffin 1.76m long x 0.48m wide. Fill (288) silty sand with frequent chalk fragments around very distinct coffin shadow (289) of dark silt/decayed wood. Sealed by +.

Human Remains: Probably supine extended/c 5% skeletal recovery. Juvenile, unsexed 6–7 yrs. No visible pathology.

Grave Goods:

ON 6: c 0.02m above base of grave at 31.66m OD, left side of waist. Decorated, copper-alloy buckle and buckle plate in three pieces. D-shaped loop (16mm x 13.5mm), with incised radial lines around the outer edge; round cross-section (Diam c 2mm tapering to 1.5mm under the buckle plate). Slightly hooked pin (L c 10mm) with moulding (possibly ridged) at the base; the shaft tapers from 2mm to 1mm at the tip. The rectangular buckle plate (now in 2 pieces) is a folded sheet 0.5mm thick with slot for the pin (W 10mm, L 13mm). Serrated inner edge and two opposed pairs of notches along the sides of the upper face. The plates are up to 3.5mm apart and were secured by two rivets along the inside edge (now broken; Diam of heads c 2.5mm). AD 640–700.

ON 67: c 0.02m above base of grave at 31.66m OD, between legs? Near complete iron knife of Evison type 5/Drinkall and Foreman type E (Ottaway type A2) with remains of wooden handle (3 pieces, two joining). The tang is set more or less central to the cutting edge, with stepped shoulder and concave choil (L 60mm, W 10mm tapering to 4mm, Th 5mm). The back is damaged but changes angle at 45mm from the tip. L of blade 115mm, W 15–19mm, Th 4mm. Original L probably c 180mm. AD 575–750.

ON 70: c 0.05m above base of grave at 31.69m OD, left side of head. Near complete iron spearhead of Swanton group D1 (possibly C2) in three joining pieces (tip missing). The socket is straight-sided with closed cleft (L 105mm, Diam 16mm). Traces of wood inside the socket, and two types of textile clearly visible on the outer surface. Narrow blade with rounded outline springing from the socket (extant L 95mm, originally c 105mm), the widest point near the base (W 32mm). AD 550–700 probably 7th-century.

Context 380 (originally numbered 290): Globular tall-necked jar containing a cremation. Handmade in a reduced fabric, probably chaff-tempered. The vessel is made in the proportions 2:1; the upright, but slightly concave neck is relatively wide in proportion to the ovoid body, and it is separated from the body by a pronounced cordon. No parallels have yet been found for this very unusual form. Height 210 mm (neck 58mm); rim diameter 85mm, base diameter 80mm, maximum girth 170mm. found at 31.85m OD (top of vessel) at foot of grave cut. Provisionally AD 580–700.

Date: AD 640–750, probably AD 640–700.

Grave 294 (sk 293)*Figure 20*

W-E (no deviation), sub-rectangular cut (A2), sides concave, flat base - 2.0m x 1.0m, 0.75m deep (base at 31.66m OD). Fill (292) silt and chalk fragments with (burnt) dark stained area in base of grave.

Sealed by +.

Human Remains: Probably supine extended/c 5% skeletal recovery. Juvenile, unsexed, 6–7 yrs. No visible pathology.

Grave Goods:

- ON 5: On base of grave at 31.66m OD, found at waist/between legs. Tiny copper-alloy buckle and buckle plate. D-shaped loop (13mm x 8mm), with oval cross-section (Diam *c* 2mm). Slightly hooked pin (L *c* 10mm), the shaft tapering from 2mm in diameter at the base to 1mm at the tip. The rectangular buckle plate is a folded sheet 0.5mm thick with slot for the pin. Only the underside survives (W 9mm, L 10.5mm), with one of the two rivets by the inside edge (L 3mm, Diam of head 1.5mm). AD 590–725.
- ON 63: On base of grave at 31.66m OD, found at left side of head. Near complete iron spearhead of Swanton group C2 (tip missing). Cleft socket with wood in situ (Diam at base 24mm, L 127mm), tapering and becoming slightly squarer in section towards the junction with the blade. The blade is near flat in section (L 154mm, originally *c* 160mm; max W 41mm). See also ferrule ON 71. AD 450–700, possibly 7th-century?
- ON 66: On base of grave at 31.66m OD, found at left side of waist. Near complete iron knife in two joining pieces with remains of wooden handle and possibly a leather sheath. Probably of Evison type 1/Drinkall and Foreman type C (Ottaway type C3) but possibly of Evison type 5/Drinkall and Foreman type E. The tang is set more or less central to the cutting edge, with stepped shoulder; form of choil unclear (extant L 38mm, W 7mm tapering to 2mm at the pointed end, Th 2mm). Both back and cutting edge curve up to the point; blade L 99mm (W 15mm, Th 3mm). AD 450–700.
- ON 71: On base of grave at 31.66m OD, found by left arm, below end of spear. Iron spear ferrule, comprising a cylindrical binding, closed at one end (Diam 20mm, L 23mm, Th *c* 2mm) with a central vertical spike to fix it to the shaft. On closed side the spike is roughly conical, but on the other side it is flatter with a rounded end (L 45mm, Th *c* 5mm). See also spearhead ON 63. AD 450–700, probably 7th-century.
- ON 73: On base of grave at 31.66m OD, found by right thigh. Iron buckle, complete oval/D-shaped loop; cross section uncertain but thickness tapers from 4mm to 2mm on the straighter side, suggesting that there was originally a buckle plate. Pin missing. AD 590–725.
- ON 74: On base of grave at 31.66m OD, found at left shoulder. Iron pin shaft in two pieces encased in textile fragments, tapering in diameter towards the point; the head is missing. AD 450–725.
- Context 381 (originally numbered 293): found at 31.86m OD (top of vessel) at head end of grave cut. Shouldered jar with flaring rim and very slightly sagging base, containing a cremation. Handmade in a reduced fabric, probably in a fine chaff-tempered ware. The profile is similar to a vessel from Sittingbourne, Kent (Myres 1975, Fig.16, No.3763). Height *c* 140mm, rim diameter *c* 100mm, base diameter *c* 70mm; maximum girth *c* 140mm. Provisionally AD 580–700.

Date: AD 590–725, probably AD 600–700.

Grave 297 (sk 296)*Figure 21*

W-E (no deviation), sub-rectangular cut (A1), vertical sides, flat base - 2.26m x 0.82m x 0.52m (base at 32.35m OD). Fill (295) crushed chalk and chalk fragments. Penannular ditch (144) with posthole (146) between terminals (IIa/b). This ditch cuts penannular ditch 142 around grave 279. Sealed by +/

Human Remains: Supine extended, hands meet at waist/c 60% skeletal recovery. Adult, female 25–40 yrs. Vertebrae: L1 (Superior body surface) - mild Schmorl's nodes. C3 (right inferior body margin), T1 (right inferior body margin), T7 (inferior middle body margin), T8 (superior middle body margin), L2 (left inferior body margin), L3 (left inferior body margin), L5 (superior body margin all round), S1 (right superior body margin) - mild to severe osteophytosis. Single smooth projection from inferior margin of L2 and beginnings of ankylosis to L3. Possible traumatic aetiology. Dentition - gross caries left mandibular first and second molars (36 and 37)

Grave Goods:

- ON 29: 0.05m above base of grave at 32.40m OD, found above right shoulder. Short straight-sided cylindrical bead, opaque green glass. AD 500–700.
- ON 77: On base of grave at 32.32m OD, found between knees. Iron chatelaine, strap loop with mineralised leather between the flattened plates (L 31mm, W 12mm, ext Th 10mm); no obvious rivets. Passing through the eye is part of a small ring, now in four pieces (Diam 28mm; round cross-section 2–3mm in diameter). As ON 78? AD 575–725.
- ON 78: On base of grave at 32.35m OD, found on left hip. Iron chatelaine, small ring (Diam 15mm) made of wire 2mm in diameter, with the end of a probable key looped round it (L 17mm). Also three fragments from two keys, one with hooked ward, the other with moulded decoration or wire wound round it. Longest fragment 64mm; the others 28mm, 35mm, 50mm (Diam 4mm). As ON 77? AD 575–725.
- ON 79: On base of grave at 32.35m OD, found by left hip. Complete iron knife blade with remains of wooden handle, probably of Evison type 1/Drinkall and Foreman type C (Ottaway type C1), but possibly angle-backed. The tang is set in line with the cutting edge, which curves up to the point (missing), with deep stepped shoulder to the back (L 49mm, W 8mm tapering to 5mm); wood adhering. L of blade 95mm+, W 15mm, Th 4mm; total L probably 145–6mm. AD 450–700.
- ON 80: On base of grave at 32.35m OD, found by left hip. Iron shears, complete but in 3 pieces. The bow is rectangular in section (W 12mm, Th 6mm), the arms rectangular (7mm x 5mm). The blades are overlapping (W 25mm) and obscured by corrosion (L 60mm, W 14mm). Textile remains are clearly visible. AD 575–700, probably later 7th century.
- ON 109: Location in relation to base of grave and body unknown, found in upper grave fill (149). Iron object with roughly triangular outline, flat with thickened edge on the short side and a projecting attachment loop with rectangular aperture on one side c 14mm from the pointed end. L 60mm, W of short side 20mm. Th 1–2mm, with ridge 7mm x 3mm along the short side. Possibly a form of strike-a-light. AD 500–725, possibly 7th-century.
- ON 122: On base of grave at 32.35m OD, found at left side of waist. Iron buckle with circular frame, complete but with two fractures. Straight-sided pin with an apparent swelling at the centre, L 25mm, W 3mm. Small patch of mineralised organic matter, possibly leather, on one side. AD 500–700.

Date: AD 575–725, probably AD 650–700.

Grave 300 (sk 299)*Figure 22*

NW-SE (40° north of W-E), sub-rectangular cut (A2), concave sides, flat base - 1.97m x 0.90m x 0.52m (base at 31.93m OD). Fill (298) yellow-brown silt and chalk fragments.

Human Remains: Supine extended, skull on left finger bones scattered/c 90% skeletal recovery. Adult male 40–70 yrs. Vertebrae: C1 (Odontoid process facet), C2 (Odontoid process and left inferior facet), C3 (left superior facet, right inferior facet), C4 (Left and right superior facets and left and right inferior facets), C5 (left and right superior and inferior facets), C6 (right superior facet and left inferior facet), C7 (left and right inferior facets), T1 (left and right superior facets and left and right superior costal facets), T9 (Right transverse process costal facet), T12 (Right superior costal facet), S1 (right and left superior facets) - mild to moderate osteoarthritis. C4 (superior and inferior body surfaces), C5 (superior and inferior body surfaces), C6 (superior and inferior body surfaces), C7 (superior body surface) - slight to severe intervertebral disc disease. C3 (inferior body margin all round), C4 (superior and inferior body margins all round), C5 (superior and inferior body margins all round), C6 (superior and inferior body margins all round), C7 (superior body margin all round), T12 (superior and inferior body margins), L3 (inferior body margin all round), L4 (superior and inferior body margins all round), S1 (superior body margin all round) - mild to severe osteophytosis. L1 (Right superior facet), L2 (Right superior facet), L3 (Right inferior facet), L4 (Right and left superior facets, Left inferior facet), L5 (Right and left superior and inferior facets) - Mild to moderate osteoarthritis. L2 (Inferior body margin) and L3 (Superior body margin) fused. L1 (Superior body surface) moderate Schmorl's nodes. L1 (Superior body margin all round and inferior body margin all round), L2 (Superior body margin all round and inferior body margin all round), L3 (Superior and inferior body margins all round), L4 (Superior and inferior body margins all round), L5 (Superior and inferior body margins all round) - moderate to severe

osteophytosis. Sacrum: Spina Bifida evident with level of opening stretching from S2 to S5 (from what remains extant). Dentition - right maxillary PM1 - Severe gross caries, Left and right maxillary PM2 and M1 - Severe gross caries, Left mandibular PM2 - Moderate interproximal caries.

Grave Goods:

- ON 62: 0.15m above base of grave at 32.08m OD, found at right arm/shoulder. Complete iron spearhead of Swanton group F2. Short lozengiform blade with angle near the base (L 105mm, W 50mm), solid shank (L 35mm), long cleft socket with wood in situ (L c 128mm, Diam at base 21mm). There is a drop-shaped protrusion of unknown origin/function near the base (L 32mm, max W 16mm, Th 11mm). AD 575–700.
- ON 72: On base of grave at 31.91m OD, found at left hip. Two iron buckles and fragments of buckle plate(s) with copper alloy rivets (13 fragments in all; very poor condition). Oval loops, the more complete c 35mm x 21mm (Th/Diam 5mm) with part of the pin in situ, cross section unclear. Form of buckle plate uncertain; one fragment has a square corner but the others are irregular and non-joining. Four copper alloy rivets (one loose), three with flat heads (Diam 5mm), one with domed head and beaded collar (Diam 6mm). These finds have not been separated as it is unclear which pieces belong together. Textile is clearly preserved on the back of several pieces. AD 600–700.
- ON 81: 0.04m above base of grave at 31.97m OD, found at left side of waist. Small iron knife, Evison type 4/Drinkall and Foreman type D (Ottaway type C1) with traces of wooden handle. The tang set centrally with concave shoulder and stepped choil (L 53mm, W 9mm tapering to 4mm at the end; Th 4mm). The rear part of the back is straight, the front slightly convex and sloping sharply down c 14mm from the tip. The cutting edge is straight, but slopes up slightly to the tip. L of blade 70mm, W 15mm, Th 2–3mm. AD 625–725.
- ON 82: 0.04m above base of grave at 31.97m OD, found by or under left wrist. Iron blade and tang of a long knife or narrow seax (two non-joining pieces); recorded as Evison type 1/Drinkall and Foreman type C (Ottaway type C3) but possibly angle-backed (the back of the blade is damaged). The tang, which has a large copper alloy rivet at the end (Diam 11mm, H 4.5mm) and a rectangular slot (10mm x 4mm) near the mid-point, is set centrally, with angled shoulder and stepped choil. The back and cutting edge curve to meet at the point. L of tang 108mm+, W 13mm, Th 2mm. L of blade 163mm, W 24mm, Th c 4mm. Total L probably 275–80mm. AD 450–700.

Date: AD 625–725.

Grave 303 (sk 258 and sk 302)

Figure 23

W-E (no deviation), sub-rectangular cut (A1), vertical sides, flat base - 2.80m x 0.90m x 0.80m (base at 32.16m OD). Fill (301) silty crushed chalk and chalk fragment,. Sealed by +. Large flint on south side of grave. Grave cut earlier prehistoric posthole. Penannular ditch (148) (IIb).

Human Remains: **258:** position unknown/tooth only. Child, unsexed, 6-8 yrs. No visible pathology.

302: crouched/c 40% skeletal recovery. Adult, unsexed 46+ yrs. Vertebrae: C1 (Odontoid process facet), T2 (right superior facet) - mild to moderate osteoarthritis. T3 (Inferior body surface), T9 (superior body surface) - mild to moderate Schmorl's nodes. C3 (right inferior body margin), L1 (superior and inferior body margins all round), L3 (superior and inferior body margins all round), L5 (inferior body margins all round) mild to moderate osteophytosis. L2 (body) - possible vertebral wedging.

Grave Goods:

- ON 32: 0.10m above base of grave 32.26m OD, found by head. Cylindrical or drum-shaped bead with irregularly incised chevron/wave decoration (4–5 bands), originally polychrome; opaque terracotta red glass, inlay missing. AD 500–700, probably AD 575–650.

Date: AD 500–700, probably AD 575–650.

Grave 306 (sk 305)*Figure 24, Figure 25*

SW-NE (45° south of W-E), sub-rectangular cut (A2), vertical sides, flat base - 2.30m x 0.80m, 0.40m deep (base at 31.27m OD). Fill (304) crushed chalk and chalk fragments. Sealed by +.

Human Remains: Supine extended, feet together/c 65% skeletal recovery. Adult, female? 17–25 yrs.

No visible pathology.

Grave Goods:

- ON 1: 0.03m above base of grave at 31.30m OD, found in neck area. Gold scutiform pendant, discoid in outline, with central pseudo-jewel comprising a plain domed boss (Diam 6mm, H 3mm) with three collars, two beaded, the outermost plain. From this radiates a cross-shaped arrangement of four lines of pseudo-plaitwork formed by two twisted wires making a herringbone pattern. Between these and springing from the beaded rim are four bisected 'V'-shaped fields, also of pseudo-plaitwork, which combine with the other elements to create a quatrefoil design. The suspension loop, (W 4mm) which has six equally spaced ribs, is a separate strip soldered to the back but detached at the front. AD 575–700, possibly AD 650–700.
- ON 9: 0.03m above base of grave at 31.30m OD, found at throat. Silver ring, closed with an elastic slip knot. Diameter of wire tapers from 1.5mm to 1mm at the ends. AD 600–725, probably AD 650–700.
- ON 10: 0.03m above base of grave at 31.30m OD, found at throat. Silver ring, closed with an elastic slip knot. Diameter of wire tapers towards the ends. AD 600–725, probably AD 650–700.
- ON 19: 0.04m above base of grave at 31.31m OD, found On left upper arm. Large copper-alloy bracelet of wire 3mm in diameter, tapering to 1.5mm at the ends, which overlap and are twisted to form an elastic fastening. Now slightly oval in outline (maximum dimensions 77mm x 80mm). AD 575–725, probably 650–700.
- ON 21: 0.07m above base of grave at 31.34m OD, found inside or under left shin. Copper-alloy and iron, cylindrical, work- or reliquary box with hinged attachment; complete but squashed and in seven pieces, with lid, base and handle now detached. The body is made of an overlapping strip of sheet metal with plain rim and out-turned flange for attachment to the base. Over the seam below the rim is a horizontal hinge fitting for the lid (W 10mm, D 7mm, iron pin in situ, chain missing). Below this is a vertical hinge formed by a folded strip of metal with iron pin (D 17mm, W after folding 25mm). Attached to this is a decorative attachment plate with central lobe flanked by two smaller, possibly zoomorphic lobes. The terminal of the central lobe is held between the two ends of a narrow strip folded to form a loop, which is secured by a coiled wire. The lid is composite, the neck formed by a separate band with a separate strip with out-turned flange for attachment to the circular disc. Punched decoration of a crudely drawn lobed cruciform motif within four concentric circles on the lid and base, and five rows of punched dots around the body. As ON 141. AD 650–725.
- ON 22: 0.05m above base of grave at 31.32m OD, found by left thigh. Copper-alloy needle case or reliquary canister, probably of Byzantine origin. Made of a rectangle of sheet metal rolled to form a truncated cone, the seam soldered. H 25mm, top 18mm, H 67mm. The base is a separate disc (Diam 25mm, Th 1mm). The surface is divided into four bands by grouped horizontal lines, the second from the top having incised decoration of three holy mounds with crosses on and/or below them (each different and one with a fish on the right side) between three attachment loops for chains with 'S' links (L c 52mm). The latter join a small ring with slip-knot fastening (Diam 11mm) from which the composite lid (Diam 14mm, Th 10mm) hangs from a fourth chain. In the lowest band are three further mounds and crosses that are roughly opposed to those above. More detail is given in the report on this object. AD 600–700.
- ON 33: Location in relation to base of grave and body unknown. Hemispherical mount or counter, blue, white and yellow marbled glass, with slight striations on the back; weight less than 1gm. AD 500–725 but probably AD 600–700.
- ON 34: 0.03m above base of grave at 31.30m OD, found in neck area? Small sub-melon bead with large perforation and seven unevenly spaced ribs, opaque dark green glass. AD 500–700, probably AD 575–700.
- ON 39: 0.03m above base of grave at 31.30m OD, found in neck area. Small gold pendant, the back roughly circular in outline (Diam 7.5mm), with extension for the suspension loop (W 3.5mm). This is bent up and over to the front, and fixed to the collar for the setting, which is formed by a separate ring with 'L'-shaped section (H 1.5mm, the upright slightly bevelled). The cabochon setting is of amber-coloured glass. Weight less than 1gm. AD 600–700.

- ON 87: 0.03m above base of grave at 31.30m OD, found by left thigh/knee. Iron chatelaine, 21 fragments, including four small twisted wire loops (Diam *c* 10mm, now bent) with objects hanging from them (L 26–34mm, W 2–3mm). Also nine straight rods, some with twisted wire round them, others with hooked ends (L between 24mm–56mm), which derive from at least three keys. Fragments of textile clearly visible on some pieces. AD 600–725.
- ON 88: Location in relation grave base not known, found at left side of waist? Complete small iron blade in 3 small joining pieces, of Evison type 3 or 5/Drinkall and Foreman type C or E (Ottaway type A1). Extant L 71mm. Also a non-joining tang fragment, L 20mm, W 7mm, Th 3mm. Possibly from shears and as ON 90? AD 575–750.
- ON 89: 0.02m above base of grave at 31.29m OD, found on chest. Iron buckle and buckle plate with small oval frame (17mm x 10mm, Th/Diam 2–3mm). Pin in situ, L *c* 12mm. The buckle plate is a folded sheet of elongated triangular form with slot for the pin, the tip missing on one side (L 50mm, W 10mm, tapering to 5mm). The two sides are *c* 9mm apart at the end (no rivets evident). Good textile remains clearly visible. AD 500–700.
- ON 90: 0.02m above base of grave at 31.29m OD, found at left side of waist. Iron shears, blade and part of tang/stem, the back largely missing. L of blade 75mm, extant W 14mm, Th 4mm; L of tang/stem 34mm; section incomplete. Identification problematic - possibly part of a knife. Possibly as ON 88? AD 500–725.
- ON 91: 0.04m above base of grave at 31.31m OD, found at left side of waist. Rear part of a narrow iron blade (front part missing); form uncertain, possibly Evison type 4/Drinkall and Foreman type D. Same knife as ON 92?. AD 450–725, possibly AD 625–725. (Object not selected for illustration.)
- ON 92: Location in relation grave base not known, found at left waist? Iron knife tang with triangular cross section (too slender to be a blade); W tapering from 7mm to 2mm. From same knife as ON 91? AD 450–725, possibly AD 625–725. (not illustrated)
- ON 93: Location in relation grave base not known, found at left hip? Upper part of a bone pendant (Th *c* 2mm) held within an iron mount by a single rivet (Diam 1.5mm). As ON 40 and ON 44 (Grave 215), but with slightly narrower iron mount for suspension (L 19mm, W *c* 4mm; one side complete, the other damaged). AD 600–700.
- ON 135: 0.03m above base of grave at 31.30m OD, found by left knee/thigh. Iron purse frame or strike-a-light, triangular in outline with coiled terminals. X-ray suggests that there is a single rivet hole at the apex (Diam 3mm). There is a strip of textile preserved on one side (35mm x 12mm). AD 600–725.
- ON 141: 0.07m above base of grave at 31.34m OD, found inside or under left shin. Work box, four small copper-alloy fragments from the neck of the lid of ON 21. AD 650–725.
- ON 183: 0.03m above base of grave at 31.30m OD, found in neck area. Small silver ring, closed with an elastic slip knot. Diameter of wire tapers towards the ends. See also ON 11 (Grave 215). AD 600–725, probably AD 650–700. (ON 151 apparently duplicates this record).
- ON 184: 0.03m above base of grave at 31.30m OD, found in neck area. Silver ring, two fragments of curved fine wire (L *c* 23mm) and part of the slip knot from a ring that was probably the same size as ON 9 and ON 10 (Grave 306). Weight less than 1gm. AD 600–725, probably AD 650–700.
- ON 185: 0.03m above base of grave at 31.30m OD, found in neck area. Three silver fragments from one or two pendants of bulla type. The back plate (Diam 9mm) has a straight-sided tongue at the upper end that is gripped between the ends of the ribbed suspension loop (now in two pieces: W 4mm). Also part of a suspension loop ?for a second pendant. AD 650–720.
- ON 186: Location in relation to grave base and body unknown. Mount, small roughly circular disc with central perforation (Diam 1mm), probably from a pendant; copper with iron adhering (possibly not associated). Originally part of ON 9. Weight less than 1gm. AD 575–725.
- ON 187: Location in relation to grave base and body unknown. Small garnet plate, probably intended for use in cloisonne. The upper face is neatly cut, with circular outline, but the sides and lower surface are polygonal; the concave faces around the edge show how the piece was cut tangentially using a chisel blade *c* 0.5mm across; weight less than 1gm. AD 500–700.
- Date:* AD 650–725, probably AD 650–700.

Grave 313 (sk 312)*Figure 26*

NW-SE (50° north of W-E), sub-rectangular cut (A1), vertical sides, flat base - 2.12m x 0.95m, 0.75m deep (base at 30.46m OD). Flint packing between coffin and grave cut. Coffin 1.52m long x 0.30m wide defined by staining in fill. Staining in base of coffin. Fill (311) crushed chalk and chalk fragments.

Human Remains: Probably supine extended/c 15% skeletal recovery. Juvenile, unsexed, 9–12 yrs. No visible pathology

Grave Goods:

- ON 94: 0.01m above base of grave at 30.47m OD, found at lower left arm. Iron knife with remains of wooden handle, probably of Evison type 3/Drinkall and Foreman type C (Ottaway type C3), but possibly type 1/A or type 4/D. The tang is set more or less central to the blade, with stepped shoulder and choil (L 42mm, W c 10mm tapering to 2mm at the end, Th c 3mm); the cutting edge curves up to the point, which is aligned with the centre of the tang. L of blade 52mm, W 20mm, Th 3mm. AD 525–750.
- ON 95: 0.01m above base of grave at 30.47m OD, found at lower left arm. Rear part of iron blade with edge of the wooden handle; the back appears to be of denser metal than the cutting edge. The back and cutting edge are mainly straight but appear to curve in to meet at the point, which is missing. L of blade 80mm+. AD 450–725.
- ON 96: 0.01m above base of grave at 30.47m OD, found at lower left arm. Iron and copper-alloy buckle and buckle plate with D-shaped loop (25mm x 13mm; cross-section unknown but Th 3mm). The rectangular buckle plate is a folded sheet with slot for the pin (original dimensions 29mm x 20mm). The inner end of the upper side is missing, but three out of a probable five rivets remain, one at the centre and two at the outer corners (Diam 4mm). These are all decorated with a ring and dot design. The base of the pin remains wrapped around the buckle frame. Also traces of textile and possible pupae cases. AD 600–700.
- ON 138: 0.08m above base of grave at 30.54m OD, found by left side of head. Small, slender iron spearhead of Swanton group D1, D2 or possibly C2. Cleft socket with traces of wood inside (Diam 17mm at base, L c 100mm), tapering to the flattened shank (Diam 10mm, L c 15mm). The blade appears more or less flat in section (L c 98mm, max W originally 25mm). AD 450–700, probably 7th century.

Date: AD 600–700, probably later than AD 640.

Grave 316 (sk 315)*Figure 27*

NW-SE (40° north of W-E), sub-rectangular cut (A2), vertical sides, flat base - 2.90m x 1.20m, 0.94m deep (base at 31.77m OD). Coffin 2.34m long x 0.60m wide defined by staining within fill. Fill (3140) yellow-grey silty sand and chalk fragments. Sealed by +. Nine postholes (266–74) around the grave define a possible structure; a fence or roof cover supports.

Human Remains: Supine extended/c 30% skeletal recovery. Adult, unsexed, 25–44 yrs. Vertebrae: C5 (Left superior and inferior body margins) - slight osteophytosis.

Grave Goods:

- ON 84: 0.20m above base of grave at 31.97m OD, found by right side of head. Iron spearhead, socket and part of the blade, probably of Swanton group C3 (but possibly E3?), and 7 laminated fragments. Cleft socket with wood in situ (Diam 21mm at base, L 121mm), tapering to the short flattened shank (L 15–21mm, W/Th 12mm). Laminated blade with textile remains in situ, extant L 96mm, W 36mm+; original width, section and total length unknown. See also ?ferrule ON 86. AD 550–700.
- ON 86: On base of grave at 31.77m OD, found by right ankle. Iron ?ferrule. Curved fragment (original diameter c 25mm) with wood inside (L 27mm, W c 27mm; Th 1–2mm). Also one flat flake (L 32mm, W 13mm). See also spearhead ON 84. AD 550–700. (not illustrated)
- ON 98: 0.04m above base of grave at 31.81m OD, found at waist. Iron buckle, complete oval loop (29mm x 17mm, Th/Diam 5mm tapering to 3mm); crsss section unclear. Straight-sided pin in place (L 20mm, W 4mm). Slight traces of mineralised leather/textile?. AD 590–725.
- ON 99: On base of grave at 31.77m OD, found by left foot. Iron shield boss in five fragments making up half of a Group 3/6 convex low cone boss that joins with ON 100. Number of rivets unknown. Wood from a shaft (?spear) is preserved on the underside of the flange. Total Diam c 130mm. Ext diam of cone c 100mm; flat flange c 15mm; straight wall c 25mm; height

- c* 72mm, plus spike at the apex (10mm). See also ON 197, ON 198. Also five loose flange fragments. AD 575–650.
- ON 100: On base of grave at 31.77m OD, found by left foot. Iron shield boss in four joining fragments making up approximately half of the same Group 3/6 boss as ON 99, with spike and mineralised wood on the underside of the (incomplete) flange. Also one loose flange fragment. AD 575–650.
- ON 101: On base of grave at 31.77m OD, found by left shin. Shield mount? Two flat pieces of iron sheet on mineralised wood, with two copper alloy mounts/rivets set 26mm apart. These are totally obscured by corrosion products on the upper side, but visible on the underside (Diam 6mm). AD 575–650. (not illustrated)
- ON 104: 0.05m above base of grave at 31.82m OD, found at left hip. Iron knife blade with traces of wood on the tang, which is set in line with the cutting edge and stepped shoulder to the back (extant L 14mm, W 9mm, Th 2mm). The cutting edge curves up towards the tip (L of blade 80mm, W 13mm, Th not measurable). The back seems to be angled, but the front part could be concave. Probably of Evison type 1/Drinkall and Foreman type A (Ottaway type C1), but could be of type 6/F. Possibly buried in a leather sheath. AD 450–700.
- ON 197: On base of grave at 31.77m OD, found at left foot with boss ON99/100. Iron shield grip, three non-joining fragments grip of Harke type Ia1, comprising one expanded end with central rivet hole (W 26mm, L 23mm), one central fragment (W 12mm, L 43mm), and one fragment from near the other end, with part of the expanded terminal (L 46mm). All *c* 1mm thick and with wood adhering to the inner surface (the grain at right angles to the grip). AD 575–650.
- ON 198: On base of grave at 31.77m OD, found at lower left shin near boss. Iron shield fitting, two non-joining mount fragments, one with two rivet holes more or less side by side and wood adhering to the inner surface (L 20mm+, W 30mm+). The other has a single rivet hole (L 26mm+, W 16mm+) Possibly part of the shield grip <197> but too wide and rivet holes in the wrong place and found with boss fragments. AD 575–650. (not illustrated)
- Date:* AD 590–725, probably AD 590–650.

Grave 319 (sk 318)*Figure 35*

W-E (25° south of), sub-rectangular cut (A1), vertical sides, flat base - 2.10m x 0.70m, 0.24m deep (base at 30.85m OD). Fill (317) brown sandy silt with occasional chalk fragments. Sealed by +.

Human Remains: Supine extended, legs flexed/*c* 20% skeletal recovery. Adult, unsexed, 25–44 yrs. No visible pathology.

Grave Goods:

ON 139: on base of grave at 30.85m OD, found by lower left arm/waist. Iron knife in two joining fragments of tang and rear part of blade (L 113mm); also tip of blade (L14mm). Form uncertain as the object is bent and part of the cutting edge is missing. AD 450–725.

Date: AD 450–725.

Grave 324 (sk 323)*Figure 29*

W-E (20° south of), sub-apsidal cut (B2), vertical sides, flat base - 2.45m x 0.70m, 0.45m deep (base at 30.18m OD). Fill (322) crushed chalk, silt and chalk fragments, organic matter around skelton. Sealed by +.

Human Remains: Supine extended/*c* 25% skeletal recovery. Adult, male?. No visible pathology.

Grave Goods:

ON 124: on base of grave at 30.18m OD, found at left elbow. Knife, six small blade fragments, plus numerous crumbs. AD 450–725. (not illustrated)

Date: AD 450–725.

Grave 358 (fill 357)*Figure 6 (finds only)*

W-E (head unk) (25° south of), sub-rectangular cut (A1), vertical sides, flat base - 1.33m x 0.60m, 0.35m deep (base at 30.40m OD). Fill (357) brown sandy silt with occasional chalk fragments. Sealed by +.

Human Remains: Unknown burial position/no bone survived. Possible child based on grave length.

Grave Goods:

ON 37, 154: In fill at SW corner of grave. Very small disc-shaped bead, opaque yellow glass. AD 500–700 but possibly 6th-century.

ON 153: In fill at SW corner of grave. Tiny spun disc/cylindrical bead; opaque yellow glass. AD 500–700.

Date: AD 500–700 but possibly AD 500–600.

Grave 361 (sk 360)*Not illustrated.*

NW-SE (50° north of W-E), sub-rectangular cut (A1), vertical sides, flat base - 2.67m x 1.16m, 0.50m deep (base at 30.38m OD). Fill (359) brown sandy silt with frequent chalk fragments. Sealed by +.

Human Remains: Supine extended, head rests on left side/c 40% skeletal recovery. Adult, unsexed, 40–70 yrs. No visible pathology.

Grave Goods:

None (recently robbed)

Date: n/a

Grave 364 (sk 363)*Figure 30*

NW-SE (60° north of W-E), sub-rectangular cut (A1), vertical sides, flat base - 1.92m x 0.66m, 0.79m deep (base at 30.95m OD). Fill (362) brown sandy silt with frequent chalk fragments. Sealed by +. Penannular ditch (366) (?IIb).

Human Remains: Supine, extended/c 85% skeletal recovery. skeletal recovery. Adult, male? 40–70 yrs.

Pathology - vertebrae: T8 (Right and left superior facets) and T9 (right superior facet) - slight to moderate osteoarthritis. Rib (unsided) - large well healed calluses (2) seen upon anterior side of rib shaft Mild well healed trauma. Left femur - Proximal third of shaft (all aspects) - large proliferation of disorganised sclerotic bone visible upon posterior side of the femur.

Traces of same bone can also be seen upon the anterior face, although the exhibition is rather less dramatic Ossified soft tissue as a result of severe trauma to the proximal femoral musculature and other soft tissue (crush injury ?). Dentition - Left mandibular PM2: moderate interproximal caries Left mandibular M1: severe gross caries. Platymetric Index: 64.7 (P)

Grave Goods:

ON 24: On base of grave at 30.95m OD, found at waist/left hip. Tiny buckle with oval iron loop (16.5mm x 9mm) of rounded cross-section (Diam c 2.5mm) and complete pin with tapering outline. The rectangular copper alloy buckle plate is a folded sheet (now in 2 pieces) with slot for the pin and two rivet holes at the inner corners; it is unclear from the X-ray whether it is off-set at the fold or not. Upper side L 12mm, W 10mm, Th 0.4mm; the two sides are 3mm apart. The whole loop is encased in mineralised textile. AD 590–725.

ON 97: On base of grave at 30.95m OD, found at waist/right hip. Iron buckle and buckle plate with oval/D-shaped loop (24mm x 13mm; Th/Diam 5mm tapering to 3mm). Straight-sided pin in situ (L c 18mm). The rectangular buckle plate is a folded sheet (thickness unknown) with slot for the pin (L 25mm, W 18mm), and a centrally placed rivet by the inside edge (Diam of head 3mm). Textile remains clearly visible on the back. AD 590–725.

ON 102: On base of grave at 30.95m OD, found on left hip, pointing up. Iron blade and edge of tang, recorded as Evison type 5/Drinkall and Foreman type E (Ottaway type A1), but possibly of Evison type 4/Drinkall and Foreman type D; laminating. The cutting edge is straight, but curves up at the point; blade length 110mm, W 19mm. As ON 103. AD 575–750, possibly AD 625–750.

ON 103: On base of grave at 30.95m OD, found on left hip, pointing up. Iron knife tang, from ON 102; W tapers from 11mm to *c* 5mm. AD 575-750.

Date: AD 590-750, probably AD 590-700, possibly AD 625-700.

Grave 368 (fill 367)

Figure 31

SW-NE (40° south of W-E), sub-rectangular cut (A1), vertical sides, flat base - 1.93m x 0.71m, 0.37m deep (base at 30.10m OD). Fill (367) brown sandy silt with frequent chalk fragments. Sealed by +.

Human Remains: Probably supine extended/no bone survived.

Grave Goods:

ON 106: On base of grave at 30.10m OD, found in centre of grave, ?waist area. Apparently complete small iron blade (L 53mm) and part of tang in two pieces, the tang set centrally with concave shoulder and stepped choil. Probably of Evison type 1/Drinkall and Foreman type A (Ottaway type C1 or C3). AD 450-725.

ON 107: On base of grave at 30.10m OD, found in centre of grave, ?waist area. Iron ?chatelaine in 13 fragments, four definitely curved, the others straighter, all of round cross section (5mm); possibly from a chatelaine or shears. Longest curved piece 65mm; longest straight piece 42mm, shortest 10mm. Diameter, if applicable, and number of objects cannot be ascertained. AD 575-725. (not illustrated)

Date: AD 575-725.

Grave 373 (sk 372)

Figure 32

NW-SE (50° north of W-E), sub-rectangular cut (A2), vertical sides, flat base - 2.50m x 0.90m, 0.70m deep (base at 31.72m OD). Fill (371) brown silt with frequent chalk fragments. Sealed by +.

Human Remains: Supine extended, arms against sides, feet meet/*c* 60% skeletal recovery. Adult, unsexed, 25-44 yrs. Dentition - Right maxillary M2: moderate gross caries. Stature estimate: NA 1.76m.

Grave Goods:

ON 2: On base of grave at 31.72m OD, at waist towards right side. Copper-alloy tinned buckle with oval loop frame (33mm x 16mm), with slightly oval cross-section (*c* 4mm in diameter where exposed, and *c* 3mm under the buckle plate). The slightly hooked pin is *c* 21mm in length, the shaft tapering from 3mm in diameter at the base to 2mm at the tip. The rectangular buckle plate is a folded sheet with a slot cut away for the pin, dimensions (folded) 23mm wide, 15-16mm long, *c* 4mm thick. It is secured by three large rivets with heads *c* 3.5 mm in diameter along the inside edge (length *c* 6mm). Very good condition - possibly unworn, although slightly damaged on the inner left corner of the underside of buckle plate. AD 590-725.

ON 61: 0.02m above base of grave at 31.74m OD found over feet. Iron shield boss (Group 3/6), virtually complete, straight low cone with rod at the apex, possibly originally with disc head. Straight, slightly angled wall (H 13mm) and more-or-less flat flange (W 14mm) with three out of five rivets/rivet holes visible on X-ray (Diam 6mm). Cone complete, but only *c* 60% of flange remains. Traces of wood on one side of cone and around one rivet. See also mounts ON 108. AD 575-650.

ON 83: 0.13m above base of grave at 31.85m OD, found at right shoulder. Iron spearhead, near complete but fragmented, of Swanton type C3, but with slightly longer socket and shank than usual (L 190mm, Diam at base 22mm). The socket appears to be conical or to have a tightly fitting seam. Straight-sided blade, the widest part near the base (L 270mm, W 40mm); the tip seems to be missing. Two fragments. See ON 85. AD 575-700.

ON 85: On base of grave at 31.72m OD, found at right foot. Iron, conical butt-ferrule with wood in the socket, the top missing (extant L 105mm, Diam 18mm). See also spearhead ON 83. AD 575-700.

ON 105: On base of grave at 31.72m OD, found at right side of waist. Iron knife of Evison type 1/Drinkall and Foreman type C (Ottaway type C1), with remains of wooden handle; probably buried in a leather sheath. The tang is set centrally, with stepped shoulder and choil (L 40mm, W 9mm tapering to 3mm). The cutting edge is straight but curves up slightly at the tip (L 75mm, Max W 15mm. Th 2.5mm). AD 450-700.

- ON 108: 0.02m above base of grave at 31.74m OD, found near feet. Four large hollow iron mounts with convex section (Diam 50mm), all with shanks (L 20mm); one is bent over at the tip, another hammered flat or with possible rove. All complete, but one laminating and very fragile; each mount weighs 20gm. Found in pairs on either side of boss ON 61; traces of wood from the shield are clearly visible on the backs. AD 575–650.
- ON 192: 0.02m above base of grave at 31.74m OD over feet of skeleton, found under boss. Iron shield grip, strap-like grip (Harke type Ia2) with centrally placed rivet holes at each end, complete but in two pieces. See also ON 61. Object cannot be located so thickness and weight are unknown. AD 575–650. (Object not selected for illustration.)
- Date:* AD 590–725, probably AD 590–650

Grave 379 (sk 378)*Not illustrated.*

W-E (25° south of), sub-rectangular cut (A2), vertical sides, flat base - 2.50m x 1.02m, 0.21m deep (base at 29.65m OD). Fill (377) brown silt with frequent chalk fragments, patch of charcoal 0.30m x 0.20m noted near legs. Sealed by +.

Human Remains: Probably supine, legs flexed/c 45% skeletal recovery. Adult, unsexed, 20–35 yrs. Dentition - left maxillary M2, M3 and right mandibular M3, gross caries.

Grave Goods:

None.

Date: n/a**Grave 382 (sk 240)***Figure 34*

W-E (35°–40° north of), sub-rectangular cut (A1) with vertical sides and flat base - 2.75m x 1.75m, 0.90m deep (base at c 31.39m OD). Ledge on long sides (Ib3). Coffin 2.20m long tapers from 0.85m wide at to 0.50m at feet Upper fill (238) grey organic silt; grey silt (239) in base of grave suggests a coffin. Sealed by +. Penannular ditch (128) with posthole (130) between terminals (IIa/b).

Human Remains: Supine extended/c 40% skeletal recovery. Adult, female. Dentition - left maxillary PM2: Medium caries in neck.

Grave Goods:

- ON 51: On base of grave at 31.39m OD, found by left shin. Unidentified object comprising four pieces of wood, with smaller crumb; no obvious shape. Related to ON 59? AD 500–725. (not illustrated)
- ON 53: 0.14m above base of grave at 31.53m OD, found at neck. Iron pin with small knob head (visible on X-ray only) in two joining pieces, partly encased in mineralised textile. Diameter of head c 5mm, shaft tapers from 2.5mm in diameter to 1mm (tip missing). AD 500–725.
- ON 56: 0.08m above base of grave at 31.47m OD, found at waist. Irregularly shaped perforated iron object. Diam 23mm, irregular profile (max Th 12mm); diam of perforation at base 5mm, expanding to an unknown width. Possibly an amulet. AD 500–725.
- ON 59: On base of grave at 31.39m OD, found at feet. Iron knife of Evison type 4/Drinkall and Foreman type D (Ottaway type C1), with remains of wooden handle, near complete, in three joining pieces. The tang is set slightly off centre, with angled shoulder to the back and slightly concave choil (L 43mm+, W 10mm tapering to 5mm at the end). The cutting edge is worn but curves up slightly to the tip (L of blade 80mm, W 13mm, Th 3mm); possible groove along the rear end of the back. Found by the feet, possibly buried in a sheath? Related to ON 51?. AD 625–725.

Date: AD 625–725.

Table 1 Objects listed in catalogue but not illustrated:

Grave	Object
191	ON 114
191	ON 134
194	ON 23
262	ON 57
286	ON 68
306	ON 91
306	ON 92
316	ON 198
316	ON 101
316	ON 86
324	ON 124
368	ON 107
373	ON 192
382	ON 51

Table 2 Overall dates

The absence of objects such as cruciform brooches and early cloisonné jewellery suggests that the site dates to after AD 550.

Shield bosses ON 99/100 (sk 315) AD 575–650; ON 61 (sk 372) AD 575–650; ON 65 (sk 164) AD 590–700; ON 64 (sk 246) AD 625–700 may imply an almost generational timescale between these male burials.

The artefactual evidence would suggest that the cemetery was most intensively used AD 590–675 but that some burials may pre- or post-date this period of use.

Skeleton	Date (I)	Date (II)
164	590–700	590–700
166	590–725	590–725
168	500–725	Probably 600–700
172	450–725	550–725
178	590–725	590–725
186	500–700	probably 600–700
190	625–725	probably 625–700
193	625–725	probably 625–700
210	600–750	600–700, possibly after 675
214	650–725	possibly 675–700
240	625–725	probably 625–700
246	625–700	probably 650–700
261	640–725	probably 640–700, possibly mid 7th c (640–660)
276	500–600	550–600
282	600–725	probably 640–700, possibly mid 7th c (640–660)
285	450–725	550–725
290	640–750	probably 640–700
293	590–725	probably 600–700
296	575–725	probably 650–700
299	625–725	probably 625–700
302	500–700	probably 575–650
305	650–725	probably 650–700, possibly 675–700
312	600–700	probably later than 640 - 7th c
315	590–725	probably 590–650
318	450–725	550–725
323	450–725	550–725
357	500–700	possibly 500–600
363	590–750	probably 590–700, possibly 625–700
367	575–725	possibly 575–600
372	590–725	probably 590–650