




## CHAPTER 2

# COINS

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### 2.1 Introduction

A total of 149 coins were recovered from trench ASW2, of which 97 are identifiable with certainty, a further 22 were identified with some reservations and the final 30 are completely unrecognizable (Table 2.1). The oldest object which might represent a coin (sf 16341), a thin, extremely worn, copper alloy square, was found in structural phase I5 and dates to the middle of the third century BC, whilst the youngest, a one cent coin of the king-emperor George VI, was minted in AD 1943. This catalogue is, therefore, of great value to numismatic study as it represents an almost unique stratified collection of coins straddling over a millennium and a half at a South Asian settlement site (see Maps 3 and 4). When cataloguing the coins in series, we have attempted to follow the classification adopted by H.W. Codrington (1924). The identified coins consist of the following categories: Punch-marked coins (15); Elephant and *Swastika* (3); Tree and *Swastika* (10); *Nandipada* and *Swastika* (2); Tree and *Caitya* (6); *Caitya* and fish (1); Lakshmi plaques (42); Maneless lion type (9); Late Roman Imperial Third Brass (5); Lakshmi type (1); Pandya coins (2); and British Period (1). Although 22 of the remaining coins are in an extremely worn condition and have been catalogued under "Unidentified coins", we have made an attempt to indicate, though not with certainty, the series to which some of them may belong. These include: Punch-marked coin (1); Elephant and *Swastika* (7); Tree and *Swastika*, or Tree and *Caitya* (8); Lakshmi plaques (2); Late Roman Imperial Third Brass (2); Humped bull and symbol,  (1); and Elephant and Fish type (1). Thirty coins were completely unidentifiable.

### 2.2 The coin catalogue

The following catalogue contains all 149 examples of coins recovered from trench ASW2. It supersedes earlier reports of the identification and phasing of the coins from ASW2 (Coningham, 1990, 1991; Coningham and Allchin, 1992, 1995). Coins of the same type have been arranged in accordance with decreasing weight. The following abbreviations have been used: AV = gold; AR = silver; AE = bronze. Most of the illustrations of the coins are slightly enlarged, but exact dimensions are given in the catalogue.

#### 2.2.1 Punch-marked coins

Punch-marked coins represent the earliest finds of coinage at ASW2, the first having been found in I5. A total of fifteen identified coins of this type were recovered, two from structural period I, four from period G, six from period F,

two from periods C, D & E, and one from period B. They cover, therefore, a time span from the middle of the third century BC to the turn of the first millennium AD. Similar punch-marked coins have been recovered from the Gedige site at the Citadel (Sirisoma 1972: 147), the Jetavana and Abhayagiri viharas at Anuradhapura (Ratnayake, pers. comm.; Wickramagamage *et al.* 1984: 369; Wickramagamage 1984: 73), Mullaittivu and Tissamaharama (Parker 1909: 468).

Rectangular. AR (cf. Codrington 1924: pl. 1, 1)

Because of the extremely worn state of these coins, apart from a few exceptions, none of the symbols – either on the obverse or reverse – is visible.

Special find no: 417                      Context: 121<sup>ne</sup>  
Stratigraphic Phase: XCV              Weight: 2.5g  
Dimensions: 1.4 x 1.2cm  
Comments: With sun symbol.  
[Plate 2.1]

Rectangular. Silver-plated.

Special find no: 79                      Context: 24<sup>ne</sup>  
Stratigraphic Phase: C                  Weight: 2.7g  
Dimensions: 1.2 x 1.2cm  
Comments With six-armed symbol.

Special find no: 2829                   Context: 358<sup>ae</sup>  
Stratigraphic Phase: XCIII           Weight: 2.1g  
Dimensions: 1.4 x 1.0cm


Special find no: 2804                   Context: 374<sup>nw</sup>  
Stratigraphic Phase: XCIII           Weight: 1.9g  
Dimensions: 1.2 x 1.2cm.

Rectangular. No traces of silver plating, only the copper core is left.

Special find no: 2885                   Context: 376<sup>sw</sup>  
Stratigraphic Phase: LXXXVI       Weight: 2.8g  
Dimensions: 1.6 x 1.4cm

Special find no: 16273                   Context: 728<sup>sw</sup>  
Stratigraphic Phase: LIV              Weight: 2.7g  
Dimensions: 1.4 x 1.2cm

Special find no: 15802                   Context: 714<sup>sw</sup>  
Stratigraphic Phase: LIV              Weight: 2.6g  
Dimensions: 1.4 x 1.3cm

Comments: With triple *caitya* symbol .  
[Plate 2.1]

Special find no: 715                      Context: 284<sup>ne</sup>  
Stratigraphic Phase: XCV              Weight: 2.5g  
Dimensions: 1.4 x 1.1cm

Special find no: 1741 Context: 307ae  
Stratigraphic Phase: XCIII Weight: 2.2g  
Dimensions: 1.3 x 1.2cm

Special find no: 1697 Context: 304ae  
Stratigraphic Phase: XCIII Weight: 1.8g  
Dimensions: 1.3 x 1.1cm

Special find no: 6015 Context: 364ae  
Stratigraphic Phase: XCIII Weight: 1.8g  
Dimensions: 1.2 x 1.2cm  
Comments With sun symbol.

Special find no: 10181 Context: 663ae  
Stratigraphic Phase: LXVI Weight: 1.7g  
Dimensions: 1.4 x 1.3cm

Special find no: 10106 Context: 616ae  
Stratigraphic Phase: LXX Weight: 1.6g  
Dimensions: 1.4 x 1.4cm

Round. Silver-plated.

Special find no: 2803 Context: 374nw  
Stratigraphic Phase: XCIII Weight: 2g  
Dimensions: 1.3cm  
Comments With six-armed symbol.  
[Plate 2.1]

Round silver-plated coin. No traces of silver plating, only the copper core is left.

Special find no: 6194 Context: 376nw  
Stratigraphic Phase: LXXXVI Weight: 3g  
Dimensions: 1.4cm

### 2.2.2 Elephant and Swastika


Three Elephant and *Swastika* coins were positively identified at ASW2, one in period H and two in period G. The earliest was found in structural phase H1, dating to the second century BC. A further seven extremely worn coins may also tentatively be attributed to this category. They include one from the final phase of period I, one from period H and five from period G. Found elsewhere within the Citadel (Deraniyagala 1992: 712), they have also been identified at the Abhayagiri Vihara (Wickramagama *et al.* 1984: 369; Wickramagama 1984: 73) and Puliyanikulam at Anuradhapura, and also at Tissamaharama, Mantai, Mihintale, Vallipuram and Iranamadu (Codrington 1924: 20).


Circular. AE. (cf. Codrington 1924: 20–21, pl. I, 7).


**Obv.** Elephant walking r., trunk extended. Above four symbols:



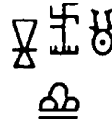
**A.** Above the elephant, symbol: .


**B.** In the middle, *swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line: .


**C.** To l., three-branched tree in an enclosure, each branch ending in a triple fork, the enclosure is divided into four compartments by a vertical and a horizontal line: .

**D.** To r., *caitya* of three cells, the two bottom ones are contiguous: .

**Rev.** Four symbols arranged:




**A.** In the middle, *swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line: .

**B.** Below, *caitya* of three cells, the two bottom ones are divided by space, beneath a horizontal line: .

**C.** To l. symbol: . To r. *nandipada* symbol: .

Special find no: 15990 Context: 715ae  
Stratigraphic Phase: LXII Weight: 16.7g  
Dimensions: 3.4cm  
Comments: Apart from the *nandipada* symbol, the symbols on the reverse are illegible.  
[Plate 2.1]



Special find no: 10205 Context: 659Se  
Stratigraphic Phase: LXXII Weight: 12.7g  
Dimensions: 3.5cm  
Comments: Symbols on the obverse are illegible; on the reverse the *nandipada* symbol has the form  with extra two dots above it.  
[Plate 2.1]



Special find no: 8283 Context: 501ae  
Stratigraphic Phase: LXXVI Weight: 9.1g  
Dimensions: 2.6cm  
Comments: Apart from the *swastika*, the symbols on the reverse are illegible.

### 2.2.3 Tree and Swastika

Ten coins belonging to the Tree and *Swastika* type were recovered from trench ASW2, seven from period G, one from period F and two from period C, D & E. The earliest example was found in structural phase G2 and dates to the first century BC. Tree and *Swastika* coins have also been reported from excavations at the Jetavana Vihara in Anuradhapura (Ratnayake 1984: 48) and at Mantai (Carswell and Prickett 1984: 68), Kataragama and Kantarodai (Codrington 1924: 22–23).

Type 1. Circular. AE. (cf. Codrington 1924: 23, iii)


**Obv.** Five-branched tree within enclosure of twelve compartments divided by four vertical and two horizontal lines: . To r. symbol: .



**Rev.** *Swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line :  . To r. symbol: .

Special find no: **2846** Context: **364ne**  
Stratigraphic Phase: **XCII** Weight: **2.9g**  
Dimensions: **2cm**  
[Plate 2.1]

Type 2. Circular. AE. (cf. Codrington 1924: 23)


**Obv.** Five-branched tree within enclosure of six compartments divided by one horizontal and two



vertical lines:  . To r. indistinct symbols.

**Rev.** *Swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line :  . To r. *nandipada* symbol, a group of three dots above: .

Special find no: **6877** Context: **470sw**  
Stratigraphic Phase: **LXXXI** Weight: **2.7g**  
Dimensions: **2.2cm**  
[Plate 2.1]

Type 3. Circular. AE. (cf. Codrington 1924: 23, 1 B. i)



**Obv.** Within double-line circle, five-branched tree within enclosure of four compartments divided by a vertical and a horizontal line. The tree top and each branch end in a group of three dots. two branches spring from the base of the tree at the enclosure : .



**Rev.** Within double-line circle, *swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line : , group of three dots to l. To r. *nandipada* symbol, a group of three dots above: .

Special find no: **6768** Context: **437ne**  
Stratigraphic Phase: **LXXXVII** Weight: **3.3g**  
Dimensions: **2.1cm**  
[Plate 2.1]

Type 4. Circular. AE. (cf. Codrington 1924: 23)

**Obv.** Three-branched tree within enclosure of four compartments divided by a vertical and a

horizontal line:  . To l. symbol:  . To r. indistinct symbol.

**Rev.** *Swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line :  . To r. symbol: .

Special find no: **2542** Context: **600**  
Stratigraphic Phase: **XCV** Weight: **4.9g**  
Dimensions: **2.1cm**  
[Plate 2.1]

On the following four coins, apart from the three-branched tree on the obverse and the railed *swastika* on the reverse, no other symbol could distinctly be seen.

Special find no: **10210** Context: **659sw**  
Stratigraphic Phase: **LXXII** Weight: **3.3g**  
Dimensions: **2.1cm**  
Comments: **On the obverse, a single line circle.**

Special find no: **5355** Context: **416ne**  
Stratigraphic Phase: **XCI** Weight: **1.8g**  
Dimensions: **1.9cm**


Special find no: **6505** Context: **414sw**  
Stratigraphic Phase: **XCI** Weight: **1.2g**  
Dimensions: **1.3cm**  
Comments: **Broken piece.**

Special find no: **2407** Context: **375sw**  
Stratigraphic Phase: **LXXXVIII** Weight: **1.7g**  
Dimensions: **1.7cm**

Type 5. Square. AE.

**Obv.** Three-branched tree within enclosure of four compartments divided by a vertical and a

horizontal line: .

**Rev.** *Swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line : .

Special find no: **7163** Context: **495sw**  
Stratigraphic Phase: **LXXX** Weight: **1.5g**  
Dimensions: **1.2 x 1.2cm**  
[Plate 2.1]

Special find no: **2410** Context: **274ne**  
Stratigraphic Phase: **XCV** Weight: **0.7g**  
Dimensions: **1.4 x 1.4cm**




## 2.2.4 Nandipada and Swastika

Only two coins of the *Nandipada* and *Swastika* category were recovered from trench ASW2: sf 6171 was found in structural phase G5 and sf 15864 in structural phase G2. The *nandipada* is one of the symbols on the reverse of most Elephant and *Swastika* coins and on some Tree and *Swastika* coins. The *swastika* symbol is extremely common, being found on Elephant and *Swastika*, Tree and *Swastika* and Tree and *Caitya* coins and on Lakshmi plaques.

Circular. AE.




Type 1.

**Obv.** *Nandipada* symbol in the middle, to l. indistinct symbol.

**Rev.** *Swastika* revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line :  . To r. either *nandipada* symbol:  or .

Special find no: 6171 Context: 381ae  
Stratigraphic Phase: LXXXIX Weight: 3.3g  
Dimensions: 1.9cm  
Comments: This coin was found at the bottom of a large storage vessel. [Plate 2.2]

Type 2.



**Obv.** Nandipada symbol in the middle:   
**Rev.** Swastika revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line: . To r. symbol: .

Special find no: 15864 Context: 615nw  
Stratigraphic Phase: LXVIII Weight: 3.4g  
Dimensions: 2cm  
[Plate 2.2]

### 2.2.5 Tree and Caitya

A total of six coins belonging to the Tree and Caitya category were recovered, five from structural period G and one from period B. The earliest examples, sfs 15067 and 15642, come from structural phase G2 and can be dated to the first century BC. While the tree symbol is found in Elephant and Swastika and Tree and Swastika coins, the caitya is found in Elephant and Swastika and Caitya and Fish coins.

Rectangular. AE.

**Obv.** Three-branched tree within enclosure of four compartments divided by a vertical and a horizontal line:   
**Rev.** Caitya of three cells surmounted by a swastika revolving r.: .

Special find no: 6629 Context: 426ae  
Stratigraphic Phase: LXXXVIII Weight: 3.9g  
Dimensions: 1.5 x 1.4cm  
[Plate 2.2]

Special find no: 10025 Context: 605sw  
Stratigraphic Phase: LXXXIII Weight: 2.6g  
Dimensions: 1.5 x 1.3cm

Special find no: 15642 Context: 659me  
Stratigraphic Phase: LXXII Weight: 1.8g  
Dimensions: 1.4 x 1.2cm


Special find no: 15067 Context: 601ae  
Stratigraphic Phase: LXXII Weight: 1.6g  
Dimensions: 1.3 x 1.1cm

Special find no: 7017 Context: 427me  
Stratigraphic Phase: XCI Weight: 1.4g  
Dimensions: 1.5 x 1.3cm





Special find no: 59 Context: 19sw  
Stratigraphic Phase: CX Weight: 0.8g  
Dimensions: 1.1 x 1.1cm

### 2.2.6 Caitya and Fish

Only one example of this category was found. Its occurrence in structural phase G4 suggests a date of the first century AD. The caitya symbol is found in Elephant and Swastika and Tree and Caitya coins, whilst the fish symbol is found in Codrington's categories of "single-die" and "Buddhist Cakram" coins (Codrington 1924: 17–19). Common in Kantarodai, this symbol is also found in southern India. This coin is so far the only known specimen of this type depicting a caitya surmounted by a chatra, recalling the earliest type of stupa in India and Sri Lanka. Three types depicted on the obverse – elephant, temple and

– and on the reverse  of this coin are similar to the ones on the coin published by M. Mitchiner (Mitchiner 1978: 629, type A).

Rectangular. AE. Pandya-inspired multi-type coin.

**Obv.** In a rectangular frame, at bottom to r. elephant to r.; to l. symbol: ; above to r. temple: ; to l. caitya of three cells surmounted by a chatra:   
**Rev.** Pandya fish symbol: .


Special find no: 6943 Context: 469ae  
Stratigraphic Phase: LXXXI Weight: 8.3g  
Dimensions: 2.3 x 2.1cm  
[Plate 2.2]

### 2.2.7 Lakshmi plaques

Lakshmi plaques represent the largest category of identified coins, with a total of 42. Of these, 26 were recovered from structural period G, 9 from period F, 6 from period C, D & E, and 1 from period B. The earliest example (sf 15066) came from structural phase G2 and can be dated to the first century BC. Lakshmi plaques were recovered from the Sri Lankan–Japanese excavations at the southern gate of the Citadel in 1992 (Ueyama and Nozaki 1993: 68). Further plaques are reported from excavations at the Jetavana Vihara (Ratnayake 1984: 36–55) and the Abhayagiri monastery (Wickramagama 1984: 73), including the "minute" form recorded by Codrington (1924: 28). Parker called such plaques "oblong copper coins" and reported their discovery at Mullaitivu and Tissamaharama, as well as at Anuradhapura (Parker 1909: 468, 481). Codrington stressed their wide distribution and reported that they had been found in most of the major monuments within Anuradhapura, including the Thuparama and Kiribat Vihara, and also at Chilaw on the northwest coast and Kantarodai and Villipuram in the Jaffna Peninsula (1924: 26–31). Apart from a very few specimens, most of the coins of this series are in a worn condition and most of the details are illegible, so a general description of the types is given here, as described by Codrington (1924: 27). Coins are catalogued according to denominations by taking their dimensions into account. Since the weights vary according to the lead content of these coins, it is difficult to rely entirely on the weight standards when grouping them into denominations.

Rectangular. AE or lead. (cf. Codrington 1924: 26–31)

**Obv.** Goddess Lakshmi clad in a broad girdle and wearing earrings, two bracelets on the upper arms and three to five on the forearms; on the legs below the knee three to five rings, with wide anklets. She stands on a large lotus and with her hands, which are pendent, grasps two stalks of the same plant, usually springing from either side of the flower beneath her feet and ending about the level of the shoulders in a small blossom, upon each of which stands a small elephant holding a water pot in his upturned trunk, the two trunks forming an arch over her head.

**Rev.** Swastika revolving r., mounted on a staff and surrounded by a railing indicated by four vertical lines rising from a horizontal line: , beneath are three horizontal lines, the lowest of which is often curved upwards at either end. Two symbols on either side of the staff.

Type 1: Dimensions c. 3.5 x 1.5cm.

Special find no: 5437 Context: 385ae  
Stratigraphic Phase: XCI Weight: 6.2g  
Dimensions: 3.2 x 1.7cm  
Comments: Lead, broken into two pieces.

Special find no: 6186 Context: 385aw  
Stratigraphic Phase: XCI Weight: 6g  
Dimensions: 3.2 x 1.5cm  
Comments: AE and lead.  
[Plate 2.2]

Special find no: 6057 Context: 365aw  
Stratigraphic Phase: XCII Weight: 6g  
Dimensions: 3.5 x 1.6cm  
Comments: Lead.

Special find no: 6419 Context: 409ae  
Stratigraphic Phase: LXXXVIII Weight: 2.4g  
Dimensions: 3.5 x 1.6cm

Type 2: Dimensions c. 2.8 x 1.4cm.

Special find no: 6542 Context: 416ae  
Stratigraphic Phase: XCI Weight: 3.7g  
Dimensions: 2.5 x 1.4cm

Special find no: 2406 Context: 364ae  
Stratigraphic Phase: XCII Weight: 2.8g  
Dimensions: 2.6 x 1.5cm

Special find no: 6063 Context: 365aw  
Stratigraphic Phase: XCII Weight: 2.4g  
Dimensions: 2.9 x 1.36cm  
[Plate 2.2]

Special find no: 5652 Context: 367aw  
Stratigraphic Phase: XCII Weight: 2.4g  
Dimensions: 3.1 x 1.7cm

Special find no: 2226 Context: 324ae  
Stratigraphic Phase: XCV Weight: 2g  
Dimensions: 2.4 x 1.6cm  
Comments: Crude imitation.

Special find no: 2911 Context: 367aw  
Stratigraphic Phase: XCII Weight: 1.8g  
Dimensions: 2.8 x 1.3cm

Type 3: Dimensions c. 2 x 1.2cm.

Special find no: 6591 Context: 422aw  
Stratigraphic Phase: XCI Weight: 4.6g  
Dimensions: 2 x 1.2cm  
Comments: Lead.

Special find no: 6563 Context: 403ae  
Stratigraphic Phase: XCI Weight: 3.8g  
Dimensions: 1.9 x 1.3cm  
Comments: Lead.

Special find no: 6177 Context: 385ae  
Stratigraphic Phase: XCI Weight: 2.8g  
Dimensions: 1.9 x 1.4cm

Special find no: 6434 Context: 416ae  
Stratigraphic Phase: XCI Weight: 2.1g  
Dimensions: 1.9 x 0.9cm

Special find no: 6460 Context: 415ae  
Stratigraphic Phase: XCI Weight: 1.9g  
Dimensions: 2.1 x 0.8cm

Special find no: 711 Context: 197aw  
Stratigraphic Phase: XCV Weight: 1.2g  
Dimensions: 1.7 x 1.3cm  
Comments: Lead, broken into two pieces.

Special find no: 2967 Context: 367aw  
Stratigraphic Phase: XCII Weight: 1g  
Dimensions: 2 x 0.9cm

Type 4: Dimensions c. 1.5 x 0.8cm.

Special find no: 6695 Context: 416ae  
Stratigraphic Phase: XCI Weight: 1.8g  
Dimensions: 1.6 x 1cm

Special find no: 6119 Context: 326ae  
Stratigraphic Phase: XCV Weight: 1.5g  
Dimensions: 1.4 x 0.9cm

Special find no: 5457 Context: 389aw  
Stratigraphic Phase: XCII Weight: 1.4g  
Dimensions: 1.5 x 0.8cm

Special find no: 6658 Context: 416ae  
Stratigraphic Phase: XCI Weight: 1.1g  
Dimensions: 1.6 x 0.5cm  
[Plate 2.2]

Special find no: 6358 Context: 399ae  
Stratigraphic Phase: XCI Weight: 1g  
Dimensions: 1.7 x 0.7cm

Special find no: 6335 Context: 399ae  
Stratigraphic Phase: XCI Weight: 1g  
Dimensions: 1.5 x 0.7cm

Special find no: 8634 Context: 416ae  
Stratigraphic Phase: XCI Weight: 1g  
Dimensions: 1.4 x 0.7cm  
Comments: Lead.

Special find no: 7033 Context: 494ae  
Stratigraphic Phase: LXXV Weight: 0.9g  
Dimensions: 1.6 x 0.9cm  
[Plate 2.2]

Special find no: **8635** Context: **416ne**  
Stratigraphic Phase: **XCI** Weight: **0.8g**  
Dimensions: **1.6 x 0.7cm**

Special find no: **2888** Context: **376nw**  
Stratigraphic Phase: **LXXXVI** Weight: **0.7g**  
Dimensions: **1.5 x 0.9cm**

Special find no: **5354** Context: **425sw**  
Stratigraphic Phase: **XCI** Weight: **0.7g**  
Dimensions: **1.4 x 0.8cm**

Special find no: **6665** Context: **416ne**  
Stratigraphic Phase: **XCI** Weight: **0.6g**  
Dimensions: **1.4 x 0.7cm**

The following coins are in an extremely worn condition and are catalogued under this series by taking into account their shape and the few traces of types vaguely visible. They are arranged according to decreasing weight.

Special find no: **7107** Context: **494ne**  
Stratigraphic Phase: **LXXV** Weight: **3.3g**  
Dimensions: **1.8 x 0.9cm**

Special find no: **2956** Context: **367sw**  
Stratigraphic Phase: **XCII** Weight: **2.2g**  
Dimensions: **1.9 x 1.5cm**

Special find no: **5460** Context: **26ne**  
Stratigraphic Phase: **CIV** Weight: **1.9g**  
Dimensions: **1.7 x 1cm**

Special find no: **482** Context: **158ne**  
Stratigraphic Phase: **XCV** Weight: **1.8g**  
Dimensions: **2.9 x 1.5cm**

Special find no: **15093** Context: **630nw**  
Stratigraphic Phase: **LXXVI** Weight: **1.5g**  
Dimensions: **1.8 x 0.9cm**

Special find no: **6480** Context: **415ne**  
Stratigraphic Phase: **XCI** Weight: **1.5g**  
Dimensions: **1.9 x 1.2cm**

Special find no: **8251** Context: **429sw**  
Stratigraphic Phase: **XCV** Weight: **1.5g**  
Dimensions: **1.5 x 1cm**

Special find no: **7155** Context: **494ne**  
Stratigraphic Phase: **LXXV** Weight: **1.3g**  
Dimensions: **1.7 x 1cm**

Special find no: **8250** Context: **429sw**  
Stratigraphic Phase: **XCV** Weight: **1.2g**  
Dimensions: **1.8 x 1cm**

Special find no: **15066** Context: **601ne**  
Stratigraphic Phase: **LXXII** Weight: **1.1g**  
Dimensions: **1.6 x 1.1cm**

Special find no: **6915** Context: **487ne**  
Stratigraphic Phase: **LXXXI** Weight: **1.1g**  
Dimensions: **2.1 x 1cm**  
Comments: **Broken into two pieces.**

Special find no: **6823** Context: **470sw**  
Stratigraphic Phase: **LXXXI** Weight: **1.1g**  
Dimensions: **2.2 x 1.1cm**

Special find no: **2721** Context: **365nw**  
Stratigraphic Phase: **XCH** Weight: **0.4g**  
Dimensions: **1.4 x 1cm**

### 2.2.8 Maneless lion type

Nine Maneless lion coins were recovered from trench ASW2: two from structural period G, one from period F and six from period C, D & E. The earliest examples, sfs 6747 and 6772, were found in structural phase G5, which dates to the first and second centuries AD. Three Maneless lion coins were also recovered from the excavations at the Citadel's southern gate in 1992 (Ueyama and Nozaki 1993: 68) and a further twelve from the Jetavana Vihara, five from within ceramic vessels excavated at the foot of the main stupa (Ratnayake 1984: 36–55). A number of examples of this coin type have also been recovered from excavations at the Abhayagiri Vihara (Wickramagamage *et al.* 1984: 369; Wickramagamage 1984: 73), the Ruvanveli stupa, the Elara Sohona and the Kiribat Vihara (Codrington 1924: 25). Finds of these coins have also been reported at Kantarodai, Mantai, Kadugannawa and even in South India (*ibid.*).

**Obv.** In a circle maneless lion standing to r. or to l.

**Rev.** In a circle four dots: ☉.

Type 1. Octagonal. AE. Lion to r. (cf. Codrington 1924: 25, pl. II, no. 19).

Special find no: **2327** Context: **325ne**  
Stratigraphic Phase: **XCV** Weight: **0.8g**  
Dimensions: **1.5cm**  
[Plate 2.2]

Type 2. Octagonal, AE. Lion to r. (cf. Codrington 1924: 25, pl. II, no. 18).

Special find no: **394** Context: **87sw**  
Stratigraphic Phase: **XCV** Weight: **0.9g**  
Dimensions: **2 x 1.5cm**  
Comments: **Octagonal, but cut from two sides in order to reduce the weight.**  
[Plate 2.2]

Type 3. Circular. AE. Lion to l. (cf. Codrington 1924: 25).

Special find no: **2918** Context: **367sw**  
Stratigraphic Phase: **XCII** Weight: **2g**  
Dimensions: **1.8cm**  
[Plate 2.3]

Special find no: **6747** Context: **437ne**  
Stratigraphic Phase: **LXXXVII** Weight: **1.3g**  
Dimensions: **1.3cm**

Special find no: **5146** Context:  
Stratigraphic Phase: Weight: **0.6g**  
Dimensions: **1cm**  
[Plate 2.3]

Type 4. Rectangular. AE. Lion to l. (cf. Codrington 1924: 25).

Special find no: **6123** Context: **326ne**  
Stratigraphic Phase: **XCV** Weight: **1.6g**  
Dimensions: **1.8 x 1.8cm**  
[Plate 2.3]

Special find no: **6772** Context: **437ne**  
Stratigraphic Phase: **LXXXVII** Weight: **1.3g**  
Dimensions: **1.3 x 1.1cm**

Special find no: 5653      Context: 283me  
Stratigraphic Phase: XCV      Weight: 0.7g  
Dimensions: 1.4 x 1.2cm

Type 5. Circular. AE. Lion to r. (cf. Codrington 1924: 25).

Special find no: 6176      Context: 276ae  
Stratigraphic Phase: XCV      Weight: 0.7g  
Dimensions: 1.4cm

### 2.2.9 Late Roman Imperial Brass

Five Roman coins were identified at ASW2: two from structural period F and three from the period C, D & E. The earliest example was found in structural period F. Although we have no chronometric dates for F, we may assume it dates to c. the third and fourth centuries AD. These coins are extremely common within Sri Lanka, and hoards have been found from Kantarodai in the north to Tissamarharma in the south and from Batticaloa in the east to Mantai in the north. Within Anuradhapura itself such coins have been identified at the southern gate of the Citadel (Ueyama and Nozaki 1993: 68), the Jetavana Vihara (Ratnayake 1984) and the Abhayagiri monastery (Wickramagamage *et al.* 1984: 369; Wickramagamage 1984: 73).

Type 1. GLORIA ROMANORUM. Emperor advancing dragging the captive. Mint: Antioch (cf. Krishnamurthy 1994: 29)

Special Find no: 221      Context: 74sw  
Stratigraphic Phase: XCIV      Weight: 2.3g  
Dimensions: 1.6cm  
[Plate 2.3]

The following four coins are in an extremely worn state and are catalogued under the series of Late Roman Imperial Third Brass by taking into account their shape, weight and the few traces of the types vaguely visible.

Special find no: 5144      Context: 373me  
Stratigraphic Phase: XCV      Weight: 1.5g  
Dimensions: 1.4cm

Comments: A male figure standing, holding spear, visible on the reverse can be the type: "Two soldiers standing, each holding spear and leaning on shield" [GLORIA ERECTUS], cf. Krishnamurthy 1994: 29.

Special find no: 677      Context: 194nw  
Stratigraphic Phase: XCIII      Weight: 1.3g  
Dimensions: 1.3cm



Special find no: 713      Context: 211ae  
Stratigraphic Phase: XCV      Weight: 0.8g  
Dimensions: 1.3cm  
[Plate 2.3]


Special find no: 405      Context: 124nw  
Stratigraphic Phase: XCV      Weight: 0.3g  
Dimensions: 1.1cm

### 2.2.10 Lakshmi type

A single example of this coin (sf 6373) was recovered from the fill of well cut 535 into the base of robber pit 313. Codrington (1924: 54) notes that this coin may be assigned to the late ninth or the tenth century AD.

Circular. AV. (cf. Codrington 1924: 59–60; Mitchiner 1979: 136, type 826)

Obv. In a circle of dots, seated figure of Lakshmi, head turned to r., left leg crossed behind right. To l. full-blown lotus: . To r. fire altar: .

Rev. In a circle of dots, legend in Nagari:  *Lakshmi*.

Special find no: 6373      Context: 410sw  
Stratigraphic Phase: XCV      Weight: 1g  
Dimensions: 1.3cm  
[Plate 2.3]

### 2.2.11 Pandyan coins

Two Pandyan coins were recovered from trench ASW2, both from the fills of period C, D & E. Pandyan coins have also been recovered from Mantai, Jaffna, Polonnaruwa and Attikuli (Codrington 1924: 86–89).

Type 1. Circular. AE. (cf. Codrington 1924: 87; Mitchiner 1979: 135, types 816–819; Chattopadhyaya 1977: 265, type 281).

Obv. In a partly visible border of dots, couchant humped bull with one foreleg extended r. between two lamps; above, crescent, and below, a platform of three parallel lines, the middle one being shorter than the other two.

Rev. Two fishes horizontal, the upper facing l., the lower r., between two lamps; crescent above, below, a platform of three parallel lines, the middle one being shorter than the other two.

Special find no: 2553      Context: 78sw  
Stratigraphic Phase: XCV      Weight: 0.9g  
Dimensions: 1.6cm  
[Plate 2.3]

Type 2. Circular. AE. (cf. Codrington 1924: 90, type 13.3; Prinsep 1858: 424, pl. xxxv, no. 18).

Obv. In a border of dots, couchant humped bull r. on a platform of three parallel lines, the middle one being shorter than the other two; lamp (?) in front of bull.

Rev. Legend in Nagari in two lines: *S,ri Va / ... Ka ca*. (This reading, proposed by Prinsep and followed by Codrington, is not certain.)

Special find no: 242      Context: 56sw  
Stratigraphic Phase: XCV      Weight: 2.1g  
Dimensions: 2.1cm  
[Plate 2.3]



### 2.2.12 British period

A single British coin – sf 6 – was found at ASW2, in structural period A. It was minted in 1943 during the reign of the king-emperor George VI.

Circular. AE. One cent.

**Obv.** Head of King George VI to l. Legend: GEORGE VI KING AND EMPEROR OF INDIA.

**Rev.** Coconut tree in middle. Legend: Ceylon one cent. 1943. to l. in Sinhalese: *Sathaya*; to r. in Tamil: *Satham*.

Special find no: 6 Context: 4sw  
Stratigraphic Phase: CXIV Weight: 2.2g  
Dimensions: 2.2cm  
[Plate 2.3]

### 2.2.13 Unidentified coins

A total of 52 coins were unidentified: 3 from period I, 4 from period H, 24 from period G, 4 from period F, 12 from period C, D & E, and 5 from period B.

Circular. AE.

Owing to their extremely worn condition, the following coins cannot be identified with accuracy. Though not certain, an attempt to indicate the series to which they can be attributed has been made.

Because of their weight and dimensions, sfs 10207, 10009, 15111, 15800, 15117, 15100 and 15018 may belong to the Elephant and *Swastika* series.

Special find no: 10207 Context: 697ne  
Stratigraphic Phase: LXIV Weight: 13g  
Dimensions: 2.4cm

Special find no: 10009 Context: 601ne  
Stratigraphic Phase: LXXII Weight: 12.1g  
Dimensions: 3.2cm

Special find no: 15111 Context: 635nw  
Stratigraphic Phase: LXXIII Weight: 11g  
Dimensions: 2.5cm

Special find no: 15800 Context: 714se  
Stratigraphic Phase: LIV Weight: 10.7g  
Dimensions: 2.4cm

Special find no: 15117 Context: 632nw  
Stratigraphic Phase: LXXXIII Weight: 10.5g  
Dimensions: 2.1 x 1cm  
Comments: Broken into two pieces.

Special find no: 15100 Context: 615ne  
Stratigraphic Phase: LXVIII Weight: 6.4g  
Dimensions: 2.2cm

Special find no: 15018 Context: 610ne  
Stratigraphic Phase: LXIX Weight: 5.9g  
Dimensions: 2.5cm

Sfs 10212, 10167, 10024, 15801, 15683 and 8469 may belong to one of the Tree and *Swastika* or Tree and *Caitya* series.

Special find no: 10212 Context: 659se  
Stratigraphic Phase: LXXII Weight: 5.9g  
Dimensions: 2.2cm  
Special find no: 10167 Context: 661nw  
Stratigraphic Phase: LXXIII Weight: 4.3g  
Dimensions: 2.1cm

Special find no: 10024 Context: 605sw  
Stratigraphic Phase: LXXXIII Weight: 3.7g  
Dimensions: 1.6cm

Special find no: 15801 Context: 714se  
Stratigraphic Phase: LIV Weight: 3.6g  
Dimensions: 2.2cm

Special find no: 15683 Context: 698nw  
Stratigraphic Phase: LXIV Weight: 2.8g  
Dimensions: 1.9cm

Special find no: 8469 Context: 506sw  
Stratigraphic Phase: LXXVI Weight: 2.2g  
Dimensions: 1.9cm

Sfs 6884 and 6965 may belong to the Late Roman Imperial Third Brass category, although it would be difficult to differentiate between genuine and Indo-Roman imitations because of their worn state.

Special find no: 6884 Context: 429sw  
Stratigraphic Phase: XCV Weight: 1.9g  
Dimensions: 1.4cm

Special find no: 6965 Context: 429sw  
Stratigraphic Phase: XCV Weight: 1.7g  
Dimensions: 1.4cm

With the exception of sf 5328, the following coins cannot be identified at all.

Special find no: 754 Context: 74sw  
Stratigraphic Phase: XCIV Weight: 1.9g  
Dimensions: 1.6cm

Special find no: 6551 Context: 409nw  
Stratigraphic Phase: LXXXVIII Weight: 1.6g  
Dimensions: 1.2cm  
Comments: Border of two circles are visible.

Special find no: 2962 Context: 365nw  
Stratigraphic Phase: XCII Weight: 1.4g  
Dimensions: 1.6cm

Special find no: 6193 Context: 376nw  
Stratigraphic Phase: LXXXVI Weight: 1.1g  
Dimensions: 1.9cm  
Comments: Broken piece of a circular coin.

Special find no: 5294 Context: 370se  
Stratigraphic Phase: XCV Weight: 0.9g  
Dimensions: 1.2cm

Special find no: 2329 Context: 325ne  
Stratigraphic Phase: XCV Weight: 0.8g  
Dimensions: 1.3cm

Special find no: 5328 Context: 386nw  
Stratigraphic Phase: XCI Weight: 0.8g  
Dimensions: 1.3cm  
Comments: Broken piece of a circular lead coin, some traces of *swastika*.

## Coins

Special find no: 2542      Context: 401sw  
Stratigraphic Phase: XCV      Weight: 0.7g  
Dimensions: 1.4cm

Rectangular. AE.

Owing to their extremely worn condition, the following coins cannot be identified with accuracy. Though not certain, we have made an attempt to indicate the series to which they can be attributed.

Sf 10341: the weight and dimensions correspond to the Punch-marked series. Only the copper core remains.

Special find no: 10341      Context: 880se  
Stratigraphic Phase: XXXIII      Weight: 7.7g  
Dimensions: 1.3 x 1.3cm

Sfs 15688 and 15651: the weight and dimensions correspond either to Tree and *Swastika* (as sfs 7163 and 2410) or to Tree and *Caitya* (as sfs 6629, 10025, 15642, 15067, 7017 and 59).

Special find no: 15688      Context: 698ne  
Stratigraphic Phase: LXIV      Weight: 2.4g  
Dimensions: 1.4 x 1.4cm

Comments: With triple *caitya* symbol . Two tiny pieces of metal or parts of a different coin were found along with it.

Special find no: 15651      Context: 605sw  
Stratigraphic Phase: LXXXIII      Weight: 2.1g  
Dimensions: 1.3 x 1.2cm  
Comments: Traces of the tree vaguely visible on the obverse.

Sf 10202: the weight and dimensions correspond to Elephant and Fish issues of the Pandyas (Mitchiner 1978: 623–4, nos 4987–5001), however this attribution cannot be confirmed.

Special find no: 10202      Context: 691ne  
Stratigraphic Phase: LXV      Weight: 7g  
Dimensions: 2 x 1.6cm

Sfs 6552 and 224 may belong to Lakshmi plaque type 4.

Special find no: 6552      Context: 419ne  
Stratigraphic Phase: LXXXVIII      Weight: 2.5g  
Dimensions: 1.6 x 1.1cm

Special find no: 224      Context: 25ne  
Stratigraphic Phase: XCVII      Weight: 0.9g  
Dimensions: 1.4 x 0.8cm

Sf 465 may belong to the series Humped bull and symbol:  on the reverse.

Special find no: 465      Context: 127sw  
Stratigraphic Phase: XCV      Weight: 0.9g  
Dimensions: 1.5 x 1.6cm

The following coins cannot be identified at all.

Special find no: 6119      Context:  
Stratigraphic Phase:      Weight: 4.2g  
Dimensions: 1.7 x 1.5cm

Special find no: 15088      Context: 616se  
Stratigraphic Phase: LXX      Weight: 3g  
Dimensions: 1.4 x 1.2cm

Comments: With triple *caitya* symbol .

Special find no: 7224      Context: 506sw  
Stratigraphic Phase: LXXVI      Weight: 2.8g  
Dimensions:  
Comments: Two broken pieces, perhaps not from the same coin.

Special find no: 6175      Context: 276se  
Stratigraphic Phase: XCV      Weight: 1.3g  
Dimensions: 1.6 x 1.6cm

Special find no: 6663      Context: 416ne  
Stratigraphic Phase: XCI      Weight: 1.3g  
Dimensions: 1.4 x 1.4cm

Special find no: 2768      Context: 365nw  
Stratigraphic Phase: XCII      Weight: 1.2g  
Dimensions: 1.6 x 1.2cm

Special find no: 7102      Context: 490nw  
Stratigraphic Phase: LXXV      Weight: 1.2g  
Dimensions: 1.4 x 1.2cm

Special find no: 6555      Context: 425sw  
Stratigraphic Phase: XCI      Weight: 1.1g  
Dimensions: 1.8 x 1.4cm

Special find no: 10031      Context: 605sw  
Stratigraphic Phase: XCV      Weight: 1.1g  
Dimensions:  
Comments: Two broken pieces, perhaps not from the same coin.

Special find no: 430      Context: 134ne  
Stratigraphic Phase: XCV      Weight: 0.7g  
Dimensions:  
Comments: Two broken pieces, perhaps not from the same coin.

Special find no: 206      Context: 48ne  
Stratigraphic Phase: XCVIII      Weight: 0.7g  
Dimensions: 2 x 1.5cm

Special find no: 158      Context: 53nw  
Stratigraphic Phase: XCIX      Weight: 0.6g  
Dimensions: 1.1 x 1.1cm  
Comments: Broken piece.

Special find no: 6906      Context: 437ne  
Stratigraphic Phase: LXXXVII      Weight: 0.6g  
Dimensions: 1 x 0.9cm

Special find no: 209      Context: 25sw  
Stratigraphic Phase: XCVII      Weight: 0.6g  
Dimensions:  
Comments: Four broken pieces, perhaps from the same coin.

Special find no: 2884      Context: 376nw  
Stratigraphic Phase: LXXXVI      Weight: 0.6g  
Dimensions: 1.1 x 0.9cm

Special find no: 6557      Context: 417nw  
Stratigraphic Phase: XCI      Weight: 0.6g  
Dimensions: 1.4 x 1.2cm

Special find no: 6639      Context: 426ne  
Stratigraphic Phase: LXXXVIII      Weight: 0.5g  
Dimensions: 1.5 x 1.2cm  
Comments: Two pieces.

Special find no: 949  
Stratigraphic Phase:  
Dimensions: 1.9 x 0.9cm

Context:  
Weight: 0.5g

Special find no: 800  
Stratigraphic Phase: XCV  
Dimensions: 1.2 x 1cm

Context: 158se  
Weight: 0.4g

Special find no: 6180  
Stratigraphic Phase:  
Dimensions: 2.2 x 0.9cm

Context:  
Weight: 0.4g

Special find no: 438  
Stratigraphic Phase: XCV  
Dimensions:  
Comments: Two pieces.

Context: 100ne  
Weight: 0.2g

Special find no: 444  
Stratigraphic Phase:  
Dimensions:  
Comments: Fragmentary.

Context:  
Weight: 0.1g

## 2.3 Conclusion

As one would expect, the two earliest structural periods at ASW2 (J and K), dating to between the eighth and fifth centuries BC, did not produce any coins. The third structural period, I, yielded the following five coins in

order of their stratigraphic phasing (the earliest identified example is highlighted in bold):

sf 16341	880se	XXXIII	15	Punch-marked?
<b>sf 16273</b>	<b>728sw</b>	<b>LIV</b>	<b>18</b>	<b>Punch-marked</b>
<b>sf 15802</b>	<b>714sw</b>	<b>LIV</b>	<b>18</b>	<b>Punch-marked</b>
sf 15800	714sw	LIV	18	Elephant & Swastika?
sf 15801	714sw	LIV	18	Tree and Swastika or Caitya?

Whilst the earliest coin (sf 16341) was recovered from the general debris which made up old land surface 880, it is interesting to note that three of the other four coins were recovered from a single context (714) representing the fill of pit 751. The last coin, sf 16273, was recovered from the fill (728) of foundation slot 737. These five coins can be dated to between the second and third centuries BC. The coins consisted of two punch-marked coins, identified with certainty (sfs 16273 and 15802), and three possible identifications of a punch-marked coin (sf 16341), an Elephant and Swastika coin (sf 15800) and a Tree and Swastika or Caitya coin (sf 15801).

It is generally believed that the earliest coins circulated in Sri Lanka were the punch-marked coins, and they have been found in their hundreds, either in hoards on archaeological sites or as stray finds. These coins were known in ancient India as *karshapana*; Panini (V, 1, 29) was the first to use this word for the monetary unit. In the Buddhist *Jataka* stories they are called *Kahapana*, and in the *Arthashastra* they are referred to as *pana*. The punch-marked coins found in Sri Lanka, without exception, belong to the category popularly known as "Imperial Series", which was minted in a vast area of India under the protection of a unifying authority. The imperial series first appeared during the formation of the Magadha empire and developed fully during the Mauryan empire. These imperial coins can also be divided into two important classes according to the workmanship. On the one hand there are some fairly large, thin coins, attributed to the pre-Mauryan and early Mauryan periods; and on the other, some smaller and thicker coins, attributed to the middle and late Mauryan periods. All the coins found in the island belong to the second category. A large number of the *karshapana* found in Sri Lanka may have first entered into circulation during the reign of the Mauryan king Asoka, under whose initiative Buddhism was introduced to the island. As Codrington (1924: 16) correctly suggested, the absence on these coins of any symbol which can be

attributed to Sri Lanka alone makes us to assume that all the genuine punch-marked coins found in the island were imported from India. Epigraphical and literary sources are not short of references to payments by kings in thousands of *karshapana* on different occasions, such as construction of religious monuments and donation to monastic communities (ibid.: 177–93). The earliest epigraphical evidence of the circulation of *karshapana* in the island dates back to the end of the third century BC. The inscription of Mampi-ta-vihara (Kāgalla District), written in the early Brahmi script, referring to *Kahapana*, indicates that trade even in early days was not by barter alone (Paranavitana 1970: no. 791). However, references to these coins in inscriptions of the succeeding periods are numerous (Codrington 1924: 16, 191–3).

The discovery, however, of a number of terracotta moulds with *karshapana* imprints in the excavations at the Gedige site at the Citadel of Anuradhapura (Sirisoma 1972: 149) and other places suggests that some of these coins were cast in Sri Lanka. The moulds examined are identical to ones found in Haryana in North India. As in India, Sri Lankan mint masters may have made these coins by casting methods, completely different from the original punching technique, during a period when no further *Kahapana* were being issued. Such an assumption may be supported by the evidence of sfs 15088, 15802 and 15688. Most of the punch-marked coins found at ASW2, as well as the ones found elsewhere in the island, are silver-plated. With the exception of sf 417, which is apparently of good silver, all the other coins of this category are either silver-plated or silver-washed. The thin silver layer has completely disappeared on most of the coins, leaving the copper core exposed. The only punch-marked coin of good silver (sf 417) was found in structural period C, D & E in the fill of a robber pit dating to between the ninth and tenth centuries AD. One silver-plated coin of this category (sf 79) was found in structural phase B2. The presence of punch-marked coins in late occupation layers in the


sequence can only be explained by the fact that they may have enjoyed a wider and longer circulation because of their high silver content.

Many of the symbols depicted on the Elephant and *Swastika* series were already present on punch-marked coins and early Indian copper coins, such as those of the Eran, Ujjain, Satavahana, Yaudheya and Mahasatrapas dynasties (Allan 1936: xcv–cxlix). They may have been struck in the island as early as the third century BC as, although the earliest positively identified coin of this series

(sf 15990) was recovered from structural period H1 and dates to the second century BC, an extremely worn coin of similar weight and dimensions (sf 15800) was recovered from a pit fill in structural phase I8. It appears that a number of circular and rectangular copper series originated from this coin type, and most of them are attested in the fourth and fifth occupational periods, H and G. The identified coins are, in order of stratigraphic phasing (the earliest identified example is highlighted in bold):


sf 15990	715	LXII	H1	Elephant & <i>Swastika</i>
sf 10181	663	LXVI	G1	Punch-marked
sf 15864	615	LXVIII	G2	Nandipada & <i>Swastika</i>
sf 10106	616	LXX	G2	Punch-marked
sf 10205	659	LXXII	G2	Elephant & <i>Swastika</i>
sf 10210	659	LXXII	G2	Tree & <i>Swastika</i>
sf 15642	659	LXXII	G2	Tree & <i>Caitya</i>
sf 15067	601	LXXII	G2	Tree & <i>Caitya</i>
sf 15066	601	LXXII	G2	Lakshmi plaque?
sf 8283	501	LXXVI	G3	Elephant & <i>Swastika</i>
sf 15093	630	LXXVI	G3	Lakshmi plaque?
sf 7033	494	LXXV	G3	Lakshmi plaque
sf 7107	494	LXXV	G3	Lakshmi plaque?
sf 7155	494	LXXV	G3	Lakshmi plaque?
sf 7163	495	LXXX	G4	Tree & <i>Swastika</i>
sf 6943	469	LXXXI	G4	<i>Caitya</i> & Fish
sf 6877	470	LXXXI	G4	Tree & <i>Swastika</i>
sf 6915	487	LXXXI	G4	Lakshmi plaque?
sf 6823	470	LXXXI	G4	Lakshmi plaque?
sf 10025	605	LXXXIII	G4	Tree & <i>Caitya</i>
sf 2885	376	LXXXVI	G5	Punch-marked
sf 6194	376	LXXXVI	G5	Punch-marked
sf 2888	376	LXXXVI	G5	Lakshmi plaque
sf 6768	437	LXXXVII	G5	Tree & <i>Swastika</i>
sf 6747	437	LXXXVII	G5	Maneless lion
sf 6772	437	LXXXVII	G5	Maneless lion
sf 6629	426	LXXXVIII	G5	Tree & <i>Caitya</i>
sf 6419	409	LXXXVIII	G5	Lakshmi plaque
sf 2407	375	LXXXVIII	G5	Tree & <i>Swastika</i>
sf 6171	381	LXXXIX	G5	Nandipada & <i>Swastika</i>
sf 7017	427	XCI	G5	Tree & <i>Caitya</i>
sf 5354	425	XCI	G5	Lakshmi plaque
sf 6591	422	XCI	G5	Lakshmi plaque
sf 6542	416	XCI	G5	Lakshmi plaque
sf 6434	416	XCI	G5	Lakshmi plaque
sf 6695	416	XCI	G5	Lakshmi plaque
sf 6658	416	XCI	G5	Lakshmi plaque
sf 8634	416	XCI	G5	Lakshmi plaque
sf 8635	416	XCI	G5	Lakshmi plaque
sf 665	416	XCI	G5	Lakshmi plaque
sf 6768	416	XCI	G5	Tree & <i>Swastika</i>
sf 6460	415	XCI	G5	Lakshmi plaque
sf 6480	415	XCI	G5	Lakshmi plaque?
sf 6768	414	XCI	G5	Tree & <i>Swastika</i>
sf 6563	403	XCI	G5	Lakshmi plaque
sf 6358	399	XCI	G5	Lakshmi plaque
sf 6335	399	XCI	G5	Lakshmi plaque
sf 5437	385	XCI	G5	Lakshmi plaque
sf 6186	385	XCI	G5	Lakshmi plaque
sf 6177	385	XCI	G5	Lakshmi plaque

The Tree and *Swastika*, *Nandipada* and *Swastika*, Tree and *Caitya* coin types, depicting the same symbols as found on the Elephant and *Swastika* series, were most probably issued during the same period and are well represented in structural period G. The most noteworthy coin found in this period is the Pandya-inspired multi-type coin – *Caitya*

and Fish (sf 6943). This coin is the only known specimen of this type depicting a *caitya* surmounted by a *chatra*, recalling the earliest type of stupas built in India and Sri Lanka. The three types depicted on the obverse – the elephant, temple and  – and the fish symbol on the reverse are similar to the ones on a coin previously

published by Mitchiner (1978: 629). He correctly dates this series c. 210–177 BC, arguing that “The earliest coinage of Ceylon shows many parallels with that of the Pandyas, by which it was inspired” (ibid.). He further argues (ibid.) that:

The initial Pandyan issues have been divided into two consecutive series of multi-type coins (c. 240–210 BC) that preceded the Pandyan campaign in Ceylon during the second century BC. The earliest coins in Ceylon bear designs derived from the second series of Pandyan multi-type coins struck during the period circa 210–175 BC and bear a group of symbols on the obverse among which an elephant normally figures. The Pandyan fish symbol is also borrowed and appears on the reverse of these earliest Sinhalese issues.

The *caitya* of three cells surmounted by a *chatra*  depicted on coin sf 6943 is probably an addition of the Sinhalese coin engraver.

It is also interesting to note that 26 of the 42 ‘Lakshmi plaques’ attested in the excavation were found in the structural period G. All of them were recovered from the last three phases of the period, 19 from the last phase, G5. A number of recent finds of Lakshmi plaques overstruck on the Elephant and *Swastika* type demonstrate that either both series were contemporary issues or that the plaques

were struck at a later date. It may not be an accident that all the Lakshmi plaques from ASW2 were unearthed from the third phase of structural period G onwards. It should be remembered that the earliest identified Elephant and *Swastika* type was attested in the preceding structural period H, and that an even earlier, worn example (sf 15800) might have been identified in structural phase I8. One of the commonest coin series found generally in Anuradhapura, known as the Maneless lion type, is attested by nine specimens from the ASW2 excavations. Drawing attention to the fact that this coin type is almost unknown in India, Codrington (1924: 25) argued that it may well be Sinhalese, as Sri Lanka’s dynastic emblem is a lion. Whatever the interpretation given to this type, it is noteworthy that two examples (sfs 6747 and 6772) were attested in the final structural phase of period G, in other words close to the end of the phase, confirming Codrington’s dating of this type to the early centuries of the first millennium AD.

The coins from the next structural period, F, are characterized by the continuation of some of the coin types already attested in the previous periods and the appearance of Late Roman Imperial Third Brass. The identified coins are, in order of stratigraphic phasing (the earliest identified example is highlighted in bold):

sf 5457	389	XCII	F	Lakshmi plaque
sf 2956	367	XCII	F	Lakshmi plaque
sf 5652	367	XCII	F	Lakshmi plaque
sf 2911	367	XCII	F	Lakshmi plaque
sf 2967	367	XCII	F	Lakshmi plaque
sf 2918	367	XCII	F	Maneless lion
sf 6057	365	XCII	F	Lakshmi plaque
sf 6063	365	XCII	F	Lakshmi plaque
sf 2721	365	XCII	F	Lakshmi plaque
sf 6015	364	XCII	F	Punch-marked
sf 2846	364	XCII	F	Tree & <i>Swastika</i>
sf 2406	364	XCII	F	Lakshmi plaque
sf 2804	374	XCIII	F	Punch-marked
sf 2803	374	XCIII	F	Punch-marked
sf 2829	358	XCIII	F	Punch-marked
sf 1741	307	XCIII	F	Punch-marked
sf 1697	304	XCIII	F	Punch-marked
<b>sf 677</b>	<b>194</b>	<b>XCIII</b>	<b>F</b>	<b>Late Roman Imperial Third Brass</b>
sf 221	74	XCIV	F	Late Roman Imperial Third Brass

The finding of large quantities of Late Roman Imperial Third Brass within Sri Lanka coincides with the rise in eastern trade with South Asia in the fourth and fifth centuries AD as a result of the revival of western powers through Axumite, Himyarite and Persian middlemen. It has been suggested by many numismatists that Roman coins disappeared from circulation all over the country by the middle of the seventh century. This chronological framework, proposed for the circulation of Late Roman Imperial Third Brass by Codrington (1924: 33), is further confirmed by the data obtained from ASW2. As one would

expect, all the coins of this category are found in structural periods F and C, D & E. It should also be noted that four punch-marked coins (sfs 2804, 2803, 1741 and 1697) and one Late Roman Imperial Third Brass coin (sf 677) were recovered from within pillar foundations and thus may represent votive deposits.

The following coins were found in the fills of the robber pits which represent structural period C, D & E. The identified coins are, in order of stratigraphic phasing (the earliest identified example is highlighted in bold):

sf 417	121	XCIV	C, D & E	Punch-marked
sf 715	204	XCIV	C, D & E	Punch-marked

sf 2542	600	XCV	C, D & E	Punch-marked
sf 2410	274	XCV	C, D & E	Punch-marked
sf 2226	324	XCV	C, D & E	Lakshmi plaque
sf 711	197	XCV	C, D & E	Lakshmi plaque
sf 6119	326	XCV	C, D & E	Lakshmi plaque
sf 482	158	XCV	C, D & E	Lakshmi plaque
sf 8251	429	XCV	C, D & E	Lakshmi plaque
sf 8250	429	XCV	C, D & E	Lakshmi plaque
sf 2327	325	XCV	C, D & E	Maneless lion
sf 394	394	XCV	C, D & E	Maneless lion
sf 5146	600	XCV	C, D & E	Maneless lion
sf 6123	326	XCV	C, D & E	Maneless lion
sf 5653	283	XCV	C, D & E	Maneless lion
sf 6176	276	XCV	C, D & E	Maneless lion
sf 5144	373	XCV	C, D & E	Late Roman Imperial Third Brass
sf 713	211	XCV	C, D & E	Late Roman Imperial Third Brass
sf 405	124	XCV	C, D & E	Late Roman Imperial Third Brass
sf 6373	410	XCV	C, D & E	Lakshmi coin
sf 242	56	XCV	C, D & E	Pandya
sf 2553	78	XCV	C, D & E	Pandya

Apart from some of the coins already attested in the previous structural periods, two types of Pandyan issues (sfs 242 and 2553) and one Lakshmi-type gold coin (sf 6373) were recovered from this period. It is possible that the two Pandyan coins may have entered the circulation in the ninth century AD. Chattopadhyaya, supporting the hypothesis put forward by his predecessors, argues (1977: 63) that:

To the second phase of Pandya currency may be assigned a number of types, mostly with the "bull and fish" devices. The majority of these coins have been found in Ceylon and this provenance, together with the fact that the Pandyas of the second empire almost invariably minted coins of the "standing figure/seated figure" type, would indicate that they were in all probability minted by the Pandyas of the

first empire. A broad dating may be made in terms of the political supremacy there of the Pandyas before its conquest by Rajaraja I towards the close of the tenth century.

It is interesting to note in this context that the excavations at ASW2 did not yield any coins of the Cholas, who conquered the island towards the end of the tenth century AD. If this chronology, based on numismatic evidence from ASW2, is correct, then the gold coin of 'Lakshmi type' (sf 6373) found in the structural period C, D & E should certainly be dated before the tenth century AD.

Apart from the already attested series, the structural period B did not yield any significant coins. The identified coins are, in order of stratigraphic phasing:

sf 79	24	C	B2	Punch-marked
sf 5460	26	CIV	B3	Lakshmi plaque
sf 59	19	CX	B4	Tree & <i>Caitya</i>

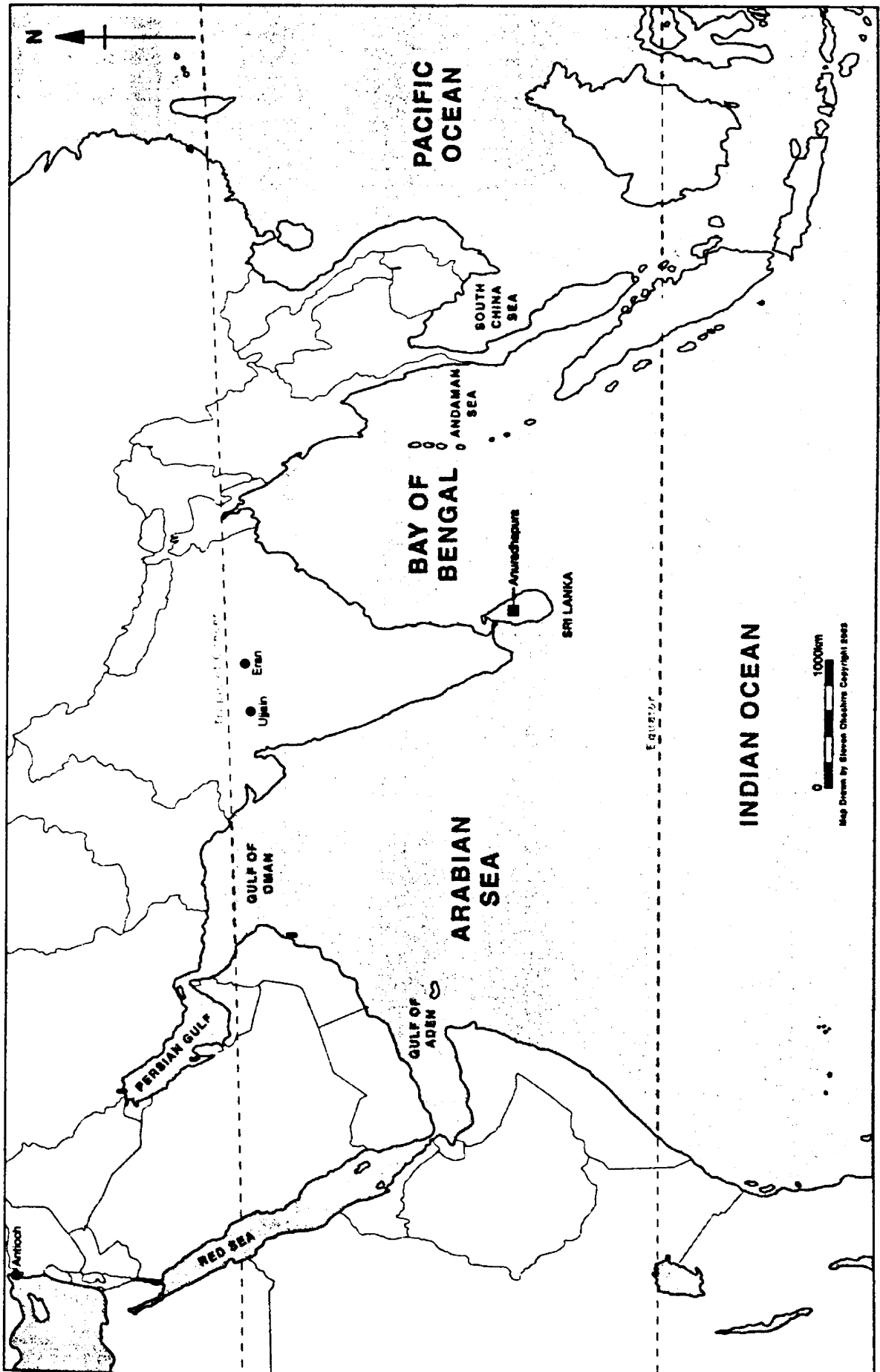
As one would expect, the most recent occupational layer – structural period A – produced a coin of the king-emperor George VI issued in 1943 (sf 97):

sf 6	4	CXIV	A	George VI one cent
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In conclusion, we may therefore state that Codrington's sequence of 1924 corresponds closely with the series from trench ASW2. We are able, however, for the first time to ascribe chronometric dates for the appearance of the various coin types. The first coins appear to be of the punch-marked variety and can be dated to the middle of the third century BC. They are followed by the Elephant and *Swastika* series in the second century BC. This series is then closely followed by the *Nandipada* and *Swastika*, Tree and *Swastika*, Tree and *Caitya*, Lakshmi plaques, and *Caitya* and Fish by the first century BC. The Maneless lion

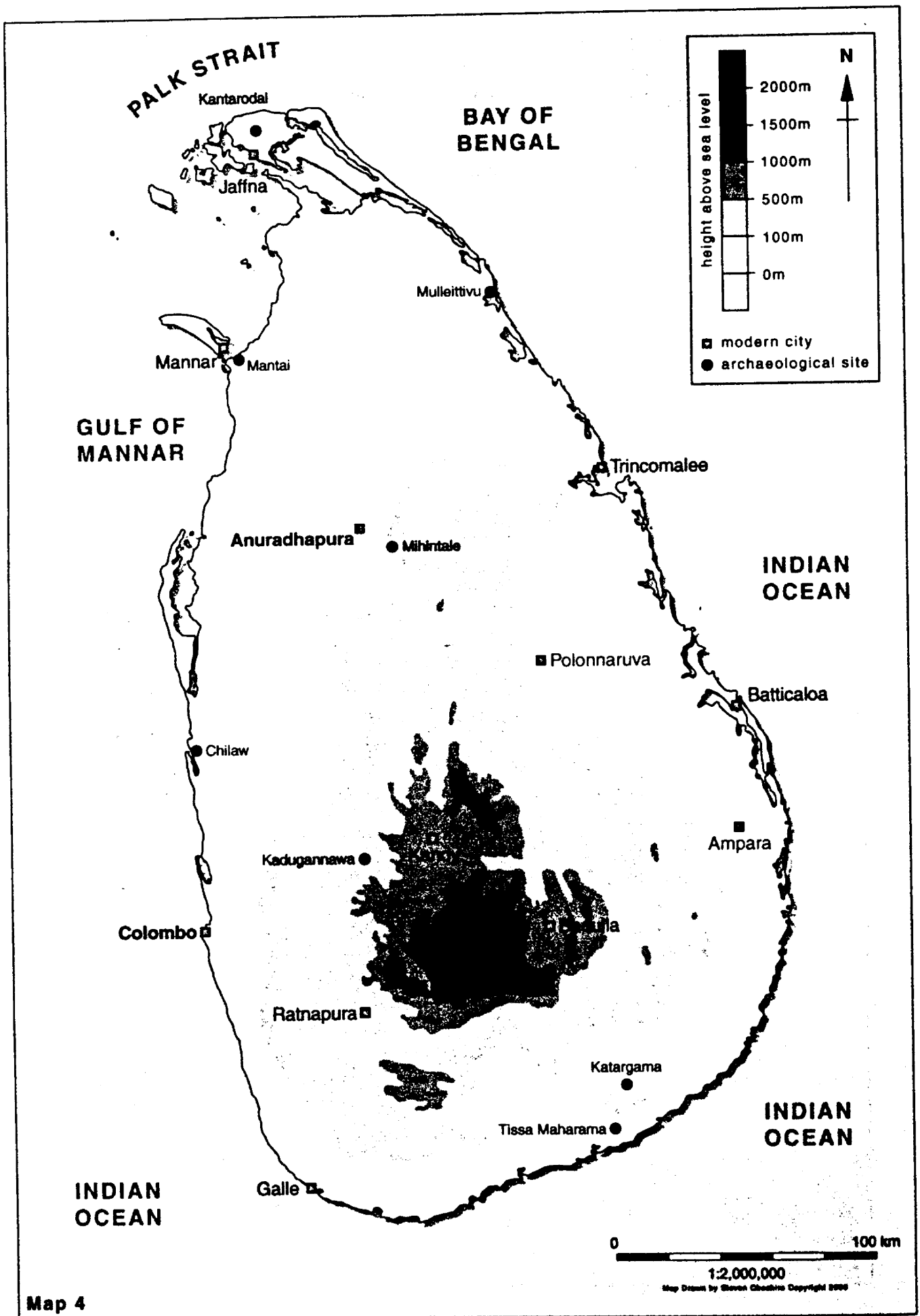
series does not appear until the early centuries of the first millennium AD and is followed by the first appearance of the Late Roman Imperial Third Brass. The next coins to appear in the sequence are two Pandyan coins and one Lakshmi coin, which may all collectively be dated to the tenth century AD. The youngest coin to have been found at the trench was a one cent coin of the king-emperor George VI, minted in 1943.





Map 3





Map 4

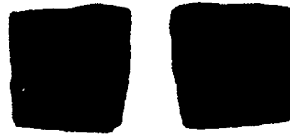
Table 2.1 Coins

Category	Period	A	B	C, D & E	F	G	H	I	J	K	Total
Punch-marked	number		1	2	6	4		2			15
Elephant & swastika	number					2	1				3
Tree & swastika	number			1	1	7					9
Nandi-pada & swastika	number					2					2
Tree & caltys	number		1	1		5					7
Caltys & fish	number					1					1
Lakshmi plaques	number		1	6	9	26					42
Maneless lion	number			6	1	2					9
Late Imperial Third Brass	number			3	2						5
Lakshmi type	number			1							1
Pandya	number			2							2
British	number	1									1
Unidentified	number		5	12	4	24	4	3			52
Total	number	1	8	34	23	73	6	6			149

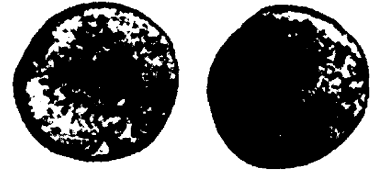
sf 417



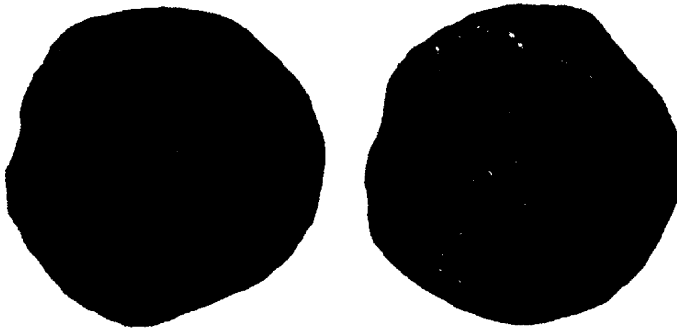
sf 15802



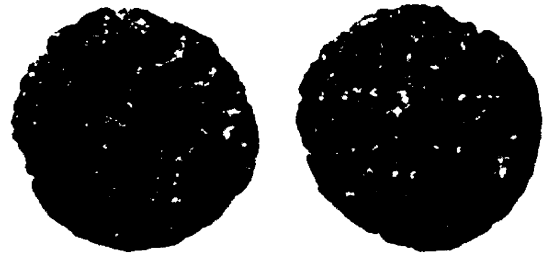
sf 2803



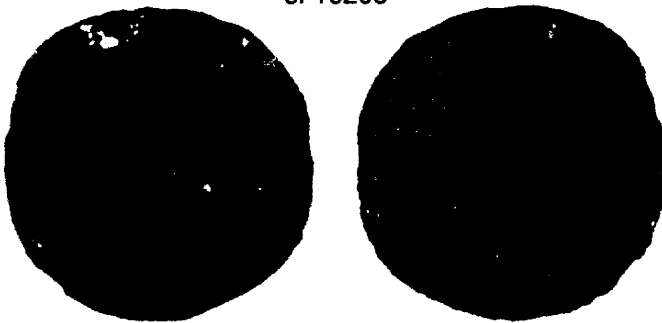
sf 15990



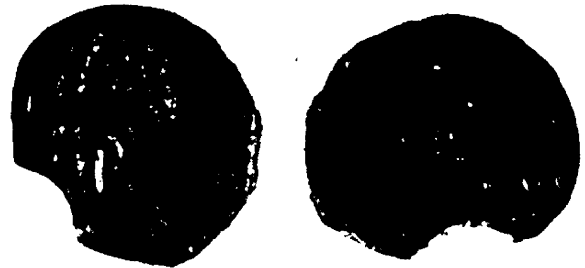
sf 2846



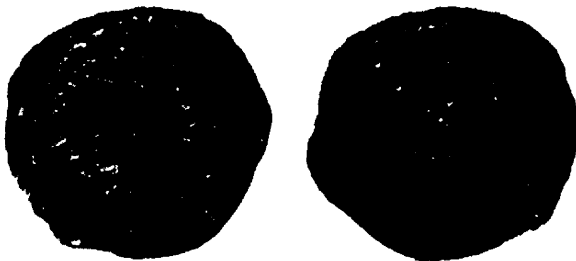
sf 10205



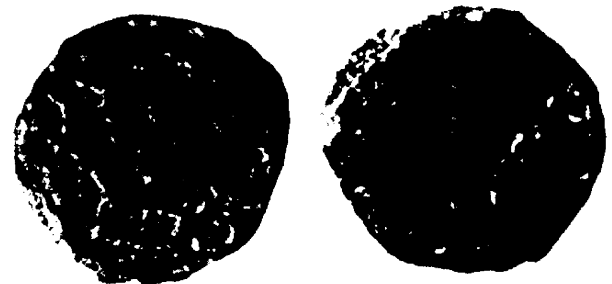
sf 6877



sf 6768



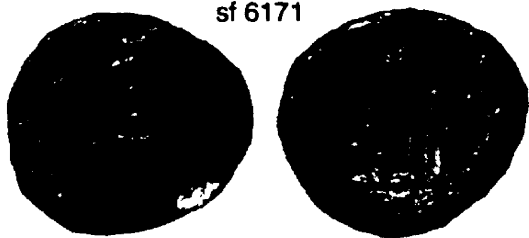
sf 2542



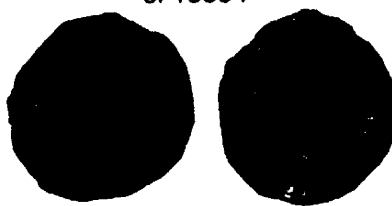
sf 7163



sf 6171



sf 15864



sf 6629



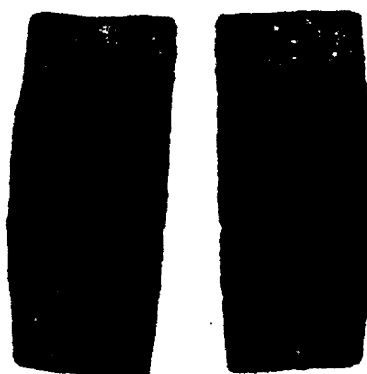
sf 6943



sf 6186



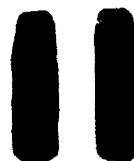
sf 6063



sf 7033



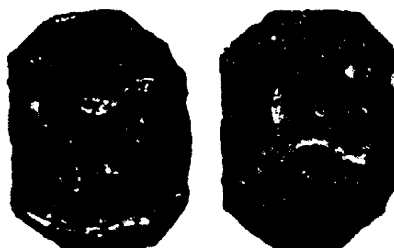
sf 6658



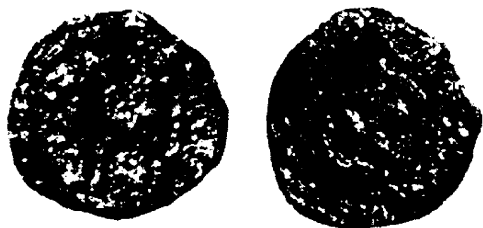
sf 2327



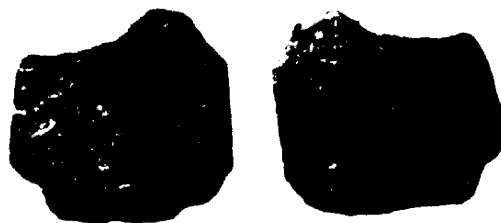
sf 394



sf 2918



sf 6123



sf 5146



sf 221



sf 5144



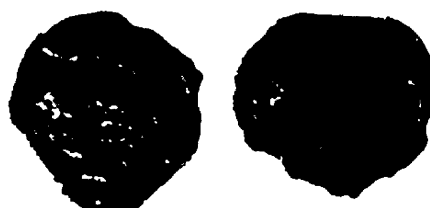
sf 713



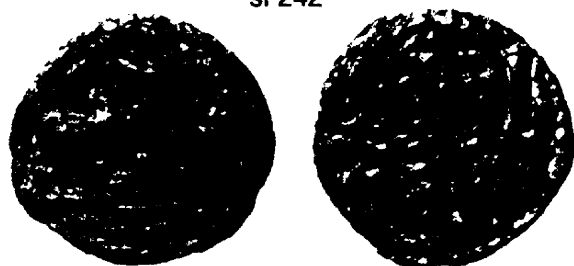
sf 6373



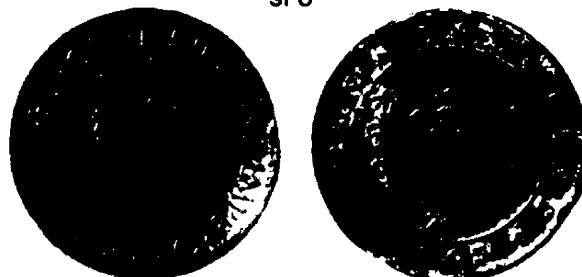
sf 2553



sf 242



sf 6



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## CHAPTER 3

# METAL OBJECTS

*Robin Coningham and Paul Harrison*

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### 3.1 Introduction

This chapter contains a detailed catalogue and description of the metal objects and fragments recovered from trench ASW2. The objects were first divided into metal groups (iron, copper alloy, lead and gold) and then, where possible, further divided into functional categories. The main aims of this chapter are twofold: firstly, to periodize the appearance and use of various forms in the ASW2 sequence (see Table 3.1); and secondly, to draw analogies between objects from ASW2 and those from other sites (see Maps 5 and 6). By doing so we hope to link our own periodized artefact sequence with those of other sites in order to confirm our chronology and to investigate possible cultural links between Anuradhapura and other sites and regions.

A total of 943 metal special finds were recorded from trench ASW2, excluding the coins (which are catalogued above in Chapter 2). They consisted of 716 iron, 216 copper-alloy, 6 lead and 5 gold special finds. Although they had been provisionally catalogued during the field seasons in Sri Lanka, the Director-General of Archaeology kindly allowed us to temporarily export to the UK most of the 943 special finds recovered. They were fully investigated and catalogued in the Conservation Laboratory of the Department of Archaeological Sciences, University of Bradford. While the half-life of an unconserved iron object is only seven years under the climatic conditions prevalent in northern Europe), the objects from ASW2 had been stored in the more destructive climate of Sri Lanka's North Central Province for four years. As a result many were already beginning to deteriorate owing to the formation of post-excavation corrosion product ( $\beta$  FeOOH), some being already unidentifiable. All 716 iron special finds were x-radiographed in order to illustrate further technical information as well as to provide an archival report. Radiography is the only method that can provide reliable identification of iron objects. In most instances the copper-alloy, lead and gold artefacts were examined by binocular microscopy. Some of the copper-alloy and lead objects also required partial investigative cleaning to resolve questions concerning their structure and possible function. Questions regarding the techniques and development of metal-working at ASW2, and in Sri Lanka in general, are considered elsewhere (see Chapter 4: Metal-working Residues).

The general breakdown of the four metal groups (iron, copper alloy, gold and lead) is shown in Table 3.1.

Of the 29,479.4g of metal catalogued, iron was the largest group with 27,679.78g, copper alloy came next with 1,613.45g, followed by lead with 163.67g and gold with 22.5g. It should be noted that, while objects of copper alloy, gold and lead were often favoured in antiquity for melting down and reforming, iron, owing to its ease of manufacture and high propensity for corrosion, was often just discarded. When these weights are broken down into weight of metal for each major structural phase, the pattern is very clear. The earliest periods, K and J, have very little metal. The weight rises during periods J and I until the highest count is reached in period G. After G the weights remain at a lower constant for periods F and C, D & E before dropping off in periods B and A. The earliest metal object at the site is of iron and was found in period K. The earliest copper-alloy object was found in period J, the earliest lead object in period F; the earliest gold and lead objects were also found in period F.

Where possible, analogous artefacts from other excavated sites have been cited in the hope that the ASW2 chronology can be cross-checked and general stylistic trends followed. However, this practice has proved to be difficult because many published objects are highly corroded or because the sites themselves are not adequately dated. We have therefore restricted the number to those with either high-quality artefact preservation or very strong chronologies. In the case of Sri Lankan examples, the excavations at the urban sites of Kantarodai and Mantai are still unpublished, so we have had to rely on the published data from Sigiriya, Jetavanaramaya, the 1969 Anuradhapura Gedige report, Alahana Parivena, Pomparippu, Kandy and Abhayagiri Vihara (Bandaranayake 1984, 1988, 1989; Begley 1981; Deraniyagala 1972; Prematilleke 1982a, 1982b, 1985, 1987; Ratnayake 1984; Wickramagamage 1984). The obvious drawback is that many of these are monastic sites, whereas we are examining a secular site. It is expected that confirmation of this will be forthcoming when the fourteen excavation pits in the Citadel of Anuradhapura excavated by the Archaeology Department are published. We have also attempted, where necessary, to draw further analogies with other sites in the subcontinent. We had hoped to draw parallels with metalwork from Arikamedu as we had already identified a number of very close ceramic parallels with Anuradhapura (see Chapter 6: Unglazed Ceramics), however it had only yielded five metal objects (Wheeler

1946: 104; Casal 1949). In light of this we have widened our scope to include the excellent publication of Atranjikhhera (Gaur 1983) as well as those of 'megalithic' Iron Age sites. It is important, perhaps, to stress Deraniyagala's suggestion that "the iron artefact types of proto and early Historic Peninsular India are remarkably homogenous, also that an accurate chronology cannot be based upon typology alone" (Deraniyagala 1972: 155). For simplification of interpretation we have broken tables down into major structural periods rather than individual stratigraphic phases.

### 3.2 Iron objects

Twenty-four categories of iron objects were identified: arrowheads, chains, saw blades, axes/adzes, spearheads, knife blades, wire, cleaver blades, needles, pins/styli, bracelets, tweezers, other objects, collars, pipes, staples, bars, sheet fittings, tapering nails, T-shaped nails, large-headed nails, L-shaped nails, mushroom-headed nails, nailshaft/bars and unidentified objects (see Table 3.2). Although the earliest object in period K was unidentifiable, the following period, J, yielded 18 objects including an arrowhead and a knife blade. The first chain, pin/styli, tweezers and structural collars are found in the next period, I, while period H yielded the first axe/adze. Period G produced the first examples of saw blades, spearheads, cleaver blades, needles, bracelets, pipe and a concentration of 2,777.29g of structural nails. Period C, D & E yielded the first staple, while period B yielded the first wire.

#### 3.2.1 Arrowheads

Three iron arrowheads were recovered from the excavations: sfs 15969, 17405 and 10679. All were leaf-shaped and each had been manufactured from a flat sheet of iron. As is apparent from Table 3.2, their phased distribution within the trench is broad, ranging from contexts belonging to structural period G to structural period J. In the same way as the relative importance of undomesticated animals in the faunal record is stressed in Chapter 10 below, it might be suggested that some of these finds represent evidence of hunting. Special find 17405 was found within the fill of well 896, cut during structural phase I6, while sf 10679 was recovered from context 1382, the basal fill of pit 1371, cut during the activities of structural phase J3. The presence of the latter find in association with a whetstone and ceramic vessels bearing non-scriptural graffiti suggests a more deliberate deposition, which is further discussed in Chapter 11: Human Remains. Similar finds have been made at numerous 'megalithic' Iron Age and Early Historic sites and they appear to correspond with Leshnik's Category II Type E2c of tanged, leaf-shaped, bladed arrowheads (Leshnik 1974: 176).

Special find no: 15969 Context: 663nw  
Stratigraphic Phase: LXVI Weight: 15.62g  
Dimensions: 4.4cm long and 1cm wide. The head is 2.5cm long.  
Comments: Complete arrowhead. Leaf-head shape.  
[Fig. 3.1]

Special find no: 17405 Context: 1399ne  
Stratigraphic Phase: XXXVI Weight: 10.09g

Dimensions: 5.7cm long and 1.7cm wide. The shaft is 2.3cm long and 0.7cm wide.

Comments: Complete arrowhead. Leaf-head shape.  
[Fig. 3.1]

Special find no: 10679 Context: 1382sw  
Stratigraphic Phase: XVII Weight: 17.62g  
Dimensions: Blade is 7cm long and 1.9cm wide.  
Comments: Complete arrowhead. Leaf-head shape.  
[Plate 3.1; Fig. 3.1]

#### 3.2.2 Chains

Two lengths of corroded chain were recovered from the same context, old land surface 977ne, below the activities of structural phase I3 and, although they do not join, they are probably from part of the same chain. Both fragments consisted of 0.4cm wide links of joined bent bars. Combined, they would have formed a chain some 7cm long. The purpose of this object is unclear, although it is possible it was used to secure small animals; such chains are commonly used for monkeys today. A 14cm length of chain (no. 107) was recovered from the excavations at the mediaeval monastic site of Alahana Parivena at Polonnaruwa (Prematilleke 1982b: 60).

Special find no: 17185 Context: 977ne  
Stratigraphic Phase: XXVIII Weight: 5.85g  
Dimensions: The block is 3.4 x 1.2 cm and a link is 0.4cm wide.  
Comments: Very small chain fragment with complex arrangement of small bars. Probably from same object as sf 17215.  
[Fig. 3.1]

Special find no: 17215 Context: 977ne  
Stratigraphic Phase: XXVIII Weight: 5.25g  
Dimensions: The block is 3.5 x 1.6 cm and a link is 0.4cm wide.  
Comments: Very small chain fragment with complex arrangement of small bars. Probably from same object as sf 17185.

#### 3.2.3 Saw blades

Three fragments of saw blades were identified in the x-radiography of the iron objects. Such finds are relatively rare within Early Historic sites and are interpreted by some as representing a Western import. All three were recovered from contexts belonging to stratigraphic period G. Special find 8259 was recovered from the collapse of structure G5 during stratigraphic phase XCI, sf 25001 from within the old land surface (492) below structure G3, and sf 15063 from within context 607, the fill of pit 596, which was cut during structural phase G2. It should be noted that two fragments of saw blade (nos 76 and 119) were recovered from the excavations at the mediaeval Alahana Parivena at Polonnaruwa (Prematilleke 1982b: 59-60).

Special find no: 8259 Context: 416ne  
Stratigraphic Phase: XCI Weight: 25.29g  
Dimensions: 4.2 x 3.1cm  
Comments: Fragment of saw. Four teeth survive, possible handle fragment too.  
[Fig. 3.1]

Special find no: 25001 Context: 492se  
Stratigraphic Phase: LXXV Weight: 23.45g  
Dimensions: 4.6cm long and 1.9cm wide.  
Comments: Fragment of saw. Seven teeth either side, many gaps incomplete. Broken at ends.

Special find no: 15063 Context: 607se  
Stratigraphic Phase: LXXI Weight: 22.66g

Dimensions: Joined piece is 7.5cm long, 3cm wide and 0.2cm thick.  
Comments: Saw blade in five pieces, three with teeth. Nineteen teeth in total.

[Fig. 3.1]

### 3.2.4 Axes and adzes

Four examples of axes and adzes were identified from the collection of iron objects. They are composed of two elements: a solid blade and two phlanges designed to hold a wooden haft. All four were recovered from contexts belonging to structural periods I and G. In stratigraphic order, sf 5373 was recovered from context 409, a foundation for structural phase G5; sf 7049 was recovered from old land surface 494, below structural phase G3; sf 10085 was recovered from old land surface 616, below structural phase G2; and sf 15862 was recovered from the fill of pit 751, which was cut during structural phase I8. While Deraniyagala recovered a single tanged adze from Stratum 4A at the Anuradhapura Gedige trench (Deraniyagala 1972: 151–3), at least three of the ASW2 examples (sfs 5373, 10085 and 15862) appear to have been shaft-hole axes, as indicated by the presence of two phlanges. They fall, therefore, into Leshnik's Category II Class H4 of shaft-hole axe (Leshnik 1974: 179). Deraniyagala suggests that such objects did not occur within peninsular India until the beginning of the first millennium AD (1972: 155), however Leshnik points out that they have been common in the northern parts of the subcontinent since the beginning of the first millennium BC (1974: 179).

Special find no: 5373 Context: 409ne  
Stratigraphic Phase: LXXXVIII Weight: 405.2g  
Dimensions: 16.5 x 4 x 2.5cm.  
Comments: Complete axe – disintegrating. Two phlanges: these do not meet.

[Plate 3.1; Fig. 3.1]

Special find no: 7049 Context: 494ne  
Stratigraphic Phase: LXXV Weight: 12.7g  
Dimensions: 16 x 3 x 7cm.  
Comments: Very corroded axe? Splitting up, no tang survives.

Special find no: 10085 Context: 616se  
Stratigraphic Phase: LXX Weight: 166.08g  
Dimensions: 7.82 x 2.62cm  
Comments: Axe? In two pieces that join to make complete object. Unknown use of third object (part of corroded mass). Axe is rectangular with two phlanges.

Special find no: 15862 Context: 714sw  
Stratigraphic Phase: LIV Weight: 281.36g  
Dimensions: 9.5 x 4.5 x 4cm.  
Comments: Axe? Fragment incomplete. Head missing, but two phlanges survive.  
[Fig. 3.1]

### 3.2.5 Spearheads

A single tapering fragment of spearhead was recovered from old land surface 616, deposited during period G. Finds of spearheads from 'megalithic' and Early Historic sites are common: Deraniyagala recovered four tapered spearheads and a further undiagnostic fragment from Stratum 4A at the Anuradhapura Gedige trench (Deraniyagala 1972: 151–3); a fragmentary tanged iron blade, possibly a spearhead, was recovered from unstratified deposits at Arikamedu (Wheeler 1946: 104); and a leaf-shaped tanged blade measuring 19cm was

recovered from the urn burial cemetery at Pomparippu (Begley 1981: 78). The single example from ASW2 probably belongs to Leshnik's Category II Class D1b socketed spearhead with tapering edges (Leshnik 1974: 175).

Special find no: 10086 Context: 616se  
Stratigraphic Phase: LXX Weight: 20.17g  
Dimensions: 6.8 x 2.5 x 0.8cm.  
Comments: Spearhead? Tapers to almost a point, tang or socket missing.

[Fig. 3.2]

### 3.2.6 Knife blades

Nine knife blades were recovered from ASW2 periods J to C, D & E. Special find 6294 was recovered from robber pit fill 393, sf 5940 from the pillared hall foundations, sf 406 from the collapse of the structure G5, sfs 632, 467 and 6931 from levelling phases of G4, sf 7179 from old land surface 494, sf 10647 from the phase I6 well fill 1206, and sf 17392 from old land surface 1172. The iron knife blades from ASW2 appear to have been designed to be mounted on or in a wooden, bone or antler handle. Although the nine blades were badly corroded, two – sfs 7179 and 10125 – were provided with whittle tangs. Sfs 5940 and 6931 have straight edges tapering to a point and fall between Leshnik's Category II Class C2b and Class B1b, while sf 7179 has a straight back and rounded blade and appears to fall into Leshnik's Category II Class C2a (Leshnik 1974: 174–5).

Special find no: 6294 Context: 393sw  
Stratigraphic Phase: XCV Weight: 12.04g  
Dimensions: 3 x 3cm  
Comments: Knife or sheet fragment.

Special find no: 5940 Context: 388sw  
Stratigraphic Phase: XCIII Weight: 70.55g  
Dimensions: 2 x 3cm  
Comments: Three of six corroded iron fragments form a knife blade. No tang, blade incomplete with a straight back and edges tapering to a point.

Special find no: 6417 Context: 406sw  
Stratigraphic Phase: XCI Weight: 64.58g  
Dimensions: 3 x 5 x 5cm  
Comments: Knife in three joining parts. No tang or weld, straight back and edge point lost.

Special find no: 10125 Context: 632nw  
Stratigraphic Phase: LXXXIII Weight: 206.19g  
Dimensions: 13.12 x 5.28 x 3.96cm  
Comments: Knife? Tip missing, small whittle tang, no weld lines.

Special find no: 8454 Context: 467  
Stratigraphic Phase: LXXXI Weight: 8.22g  
Dimensions: 3 x 3cm  
Comments: Two original edges, possible blade fragment, no weld line.

Special find no: 6931 Context: 470sw  
Stratigraphic Phase: LXXXI Weight: 18.91g  
Dimensions: 4 x 3cm  
Comments: Tapering piece, two long edges are original, possible blade

Special find no: 7179 Context: 494ne  
Stratigraphic Phase: LXXV Weight: 34.98g  
Dimensions: Length is 7.5cm and width is 1.8cm. The tang is 4cm long and 0.6cm wide.



Comments: Knife with whittle tang, no point. Straight back, rounded edge.

Special find no: 10647 Context: 1206ne  
Stratigraphic Phase: XXXVI Weight: 25.77g  
Dimensions: 7.18 x 2.69 x 0.41cm  
Comments: Thin, corroded tapering sheet – possibly a knife.

Special find no: 17392 Context: 1172se  
Stratigraphic Phase: XXII Weight: 67.1g  
Dimensions: 4.33 x 4.24 x 1.02cm  
Comments: Very corroded, knife?

### 3.2.7 Wire

Only two examples of iron wire were recovered from the sequence and both were found in the final phase of period B. They represent a very late, if not intrusive, phenomenon.

Special find no: 387 Context: 4se  
Stratigraphic Phase: CXIV Weight: 1.37g  
Dimensions: 7.5cm long and 0.3cm diameter.

Special find no: 771 Context: 4  
Stratigraphic Phase: CXIV Weight: 0.5g  
Dimensions: 7cm long and 0.3cm diameter.

### 3.2.8 Cleaver blades

Two cleaver blades were recovered from ASW2, one (sf 6670) in the foundations of structures of phase G5 and the other (sf 10038) in old land surface 604. Both cleaver blades appear to have been designed to be mounted on or in a wooden, bone or antler handle. Both objects have been classified as cleavers, rather than knives, on the grounds that they are longer and wider than the latter. Sfs 6670 and 10038 have a whittle tang. They also have a straight back and a blade which tapers to an edge.

Special find no: 6670 Context: 409ne  
Stratigraphic Phase: LXXXVIII Weight: 371.39g  
Dimensions: 16cm long and 7cm wide.  
Comments: Cleaver? Large sheet with a whittle tang, broken at both ends. The thin blade tapers to an edge.

[Plate 3.2; Fig. 3.2]

Special find no: 10038 Context: 604ne  
Stratigraphic Phase: LXXV Weight: 101.78g  
Dimensions: 9 x 6 x 0.7cm.  
Comments: Cleaver fragment, but quite thin. Little of tang survives, blade incomplete too. Back is straight, blade tapers to tang.

### 3.2.9 Needle

An eyed needle was recovered from within period G's old land surface 470. The single example is a tool manufactured from a small iron rod. It has been classified as a needle because of the perforation or eye. As noted below, it appears to be too wide (1 cm) for use on textiles.

Special find no: 6882 Context: 470sw  
Stratigraphic Phase: LXXXI Weight: 14.01g  
Dimensions: 4.1cm long and 1cm wide.  
Comments: Needle? Has an eye, incomplete, but too wide for textiles – perhaps for leather?  
[Fig. 3.2]

### 3.2.10 Pins or styli

Pins or styli at ASW2 are found in period I to period C, D & E. While three of the examples are from robber pitting deposits, sf 2838 was found in the foundations of the pillared hall, sf 6344 in old land surface 390, sf 8114 in old land surface 492 and sf 16773 in old land surface 977. These are all examples of a tool type manufactured from a small iron rod. Some may actually represent fragmentary styli.

Special find no: 2201 Context: 320ne  
Stratigraphic Phase: XCV Weight: 2.49g  
Dimensions: 3 x 0.41cm  
Comments: Pin or bar?

Special find no: 6112 Context: 326nw  
Stratigraphic Phase: XCV Weight: 13.88g  
Dimensions: 4 x 0.4cm  
Comments: Pin or bar?

Special find no: 2713 Context: 35nw  
Stratigraphic Phase: XCV Weight: 2.82g  
Dimensions: 3 x 0.43cm  
Comments: Pin or bar?

Special find no: 2838 Context: 358se  
Stratigraphic Phase: XCIII Weight: 14.72g  
Dimensions: 5 x 0.45cm  
Comments: Pin or bar?

Special find no: 6344 Context: 390se  
Stratigraphic Phase: LXXXVI Weight: 0.44g  
Dimensions: 2.1 x 0.44cm  
Comments: Pin or bar?

Special find no: 8114 Context: 492  
Stratigraphic Phase: LXXV Weight: 10.75g  
Dimensions: 5.6 x 0.4cm  
Comments: Pin? Complete but broken. Too long and thin for a nail.

Special find no: 16773 Context: 977ne  
Stratigraphic Phase: XXVIII Weight: 1.02g  
Dimensions: 3.18 x 0.54cm  
Comments: Pin with plating.

### 3.2.11 Bracelets

Only two iron bracelets were recovered from the sequence and both were found in period G. Sf 6864 was found in old land surface 487 and sf 7136 in old land surface 470. The two bracelets from ASW2 are perhaps better described as gently rounded bars and fall into Leshnik's Category VII Type E1b class, with parallels at Taxila and in the 'megalithic' complex of peninsular India (Leshnik 1974: 188). Dates of between the second and third centuries BC have been tentatively suggested (ibid.).

Special find no: 6864 Context: 487ne  
Stratigraphic Phase: LXXXI Weight: 37.48g  
Dimensions: Radius 6cm, 13% survives (6cm of circumference). Bar is 1.1cm thick.  
Comments: Bracelet? Bar gently rounded on purpose.

Special find no: 7136 Context: 490sw  
Stratigraphic Phase: LXXV Weight: 50.76g  
Dimensions: 4.1cm long and 1cm wide.  
Comments: Bracelet? Four pieces, only 3/4 survives. Radius 3cm, 6.4cm outer diameter, 5.1cm inner diameter. The bar is 0.6cm thick.  
[Fig. 3.2]

### 3.2.12 Tweezers

A single example was found in period G's old land surface 977. It is also an example of a tool manufactured from small iron rods. A pair of tweezers (no. 133) was also found at Sirkap, Taxila, in Stratum II and Marshall suggested that it had clear Graeco-Roman parallels (Marshall 1951: 554–5).

Special find no: 17203 Context: 977  
Stratigraphic Phase: XXVIII Weight: 5g  
Comments: Two parallel shafts. Tweezers?

### 3.2.13 Collars

Iron collars represent the second heaviest category of iron objects from ASW2 after bars. The greatest concentration is 40 in period G, while a further 3 were found in the last phase of period I and in period H. Within phase G2, 29 were found concentrated in the foundations of the southeastern range of structures and a further 2 in pit fill 607. The interpretation of this category of objects is difficult as they appear to be almost unique. They all consist of a single plate of iron which has been rounded to form a complete collar. From the presence of organic, probably wooden, pseudomorphs inside a number of the collars, their placing within the structure's foundations, it may be assumed that they enclosed a structural member.

Special find no: 6450 Context: 416ne  
Stratigraphic Phase: XCI Weight: 34.29g  
Dimensions: Height 2.2cm, diameter 2.7cm.  
Comments: Complete.

Special find no: 6471 Context: 416  
Stratigraphic Phase: XCI Weight: 42.86g  
Dimensions: Height 2cm, diameter 5cm.  
Comments: Incomplete: half survives.

Special find no: 6690 Context: 416ne  
Stratigraphic Phase: XCI Weight: 409.08g  
Dimensions: Height 2.8cm, diameter 12cm.  
Comments: Complete. Bar is E in cross-section and probably points outside.  
[Fig. 3.2]

Special find no: 6718 Context: 416ne  
Stratigraphic Phase: XCI Weight: 52.93g  
Dimensions: Height 3.8cm, diameter uncertain.  
Comments: Incomplete, half survives squashed.

Special find no: 6992 Context: 487ne  
Stratigraphic Phase: LXXXI Weight: 114.76g  
Dimensions: Height 2.2cm, diameter 5cm.  
Comments: Incomplete, nine tenths survive.

Special find no: 10201 Context: 503aw  
Stratigraphic Phase: LXXVI Weight: 199.80g  
Dimensions: Height 3cm, diameter 5cm.  
Comments: Complete.

Special find no: 7225 Context: 505aw  
Stratigraphic Phase: LXXVI Weight: 31.64  
Dimensions: Height distorted, diameter 2cm.  
Comments: Incomplete third survives.

Special find no: 7065 Context: 494ne  
Stratigraphic Phase: LXXV Weight: 313.01g  
Dimensions: 9.5 x 6.3 x 2.5cm.  
Comments: Oval, broken but complete.

Special find no: 7170 Context: 494ne  
Stratigraphic Phase: LXXV Weight: 129.25g

Dimensions: Height 3cm, diameter 4cm.  
Comments: Complete.  
[Fig. 3.2]

Special find no: 10013 Context: 601se  
Stratigraphic Phase: LXXII Weight: 120.35g  
Dimensions: Height 2.5cm, diameter 4.5cm.  
Comments: Incomplete, four pieces do not join. Wood pseudomorphs inside the major pieces.

Special find no: 10047 Context: 601se  
Stratigraphic Phase: LXXII Weight: 41.75g  
Dimensions: Height 1.5cm, diameter 5cm.  
Comments: Incomplete, two pieces, half and a quarter, but do not join.

Special find no: 15035 Context: 601se  
Stratigraphic Phase: LXXII Weight: 1.68g  
Dimensions: 1.8 x 1cm., curved radius 1cm  
Comments: Possible fragment.

Special find no: 10211 Context: 659se  
Stratigraphic Phase: LXXII Weight: 42.45g  
Dimensions: Height 1.7cm, diameter 4cm.  
Comments: Complete.

Special find no: 16002 Context: 659se  
Stratigraphic Phase: LXXII Weight: 70.3g  
Dimensions: Height 4cm, diameter 3.2cm.  
Comments: Complete, wood pseudomorph inside.

Special find no: 16003 Context: 659se  
Stratigraphic Phase: LXXII Weight: 5.76g  
Dimensions: Height 1.5cm, diameter was about 3cm.  
Comments: Incomplete, quarter survives.

Special find no: 15052 Context: 606se  
Stratigraphic Phase: LXX Weight: 26.51g  
Dimensions: Height 4.5cm, diameter 2cm.  
Comments: Incomplete third – joins sfs 15866 and 15040.

Special find no: 15866 Context: 606se  
Stratigraphic Phase: LXX Weight: 19.33g  
Dimensions: Height 4.5cm, diameter 2cm.  
Comments: Incomplete third – joins sfs 15052 and 15040.

Special find no: 15040 Context: 606se  
Stratigraphic Phase: LXX Weight: 26.19g  
Dimensions: Height 4.5cm, diameter 2cm.  
Comments: Incomplete third – joins sfs 15052 and 15866.

Special find no: 15051 Context: 606se  
Stratigraphic Phase: LXX Weight: 86.31g  
Dimensions: Height 3cm, diameter 4cm.  
Comments: Incomplete two thirds.

Special find no: 15062 Context: 607  
Stratigraphic Phase: LXX Weight: 18.39g  
Dimensions: Height 2.3cm, diameter 6cm.  
Comments: Incomplete, one quarter.

Special find no: 15977 Context: 607  
Stratigraphic Phase: LXX Weight: 30.97g  
Dimensions: Height 4.5cm, diameter 4cm.  
Comments: Incomplete fragment, a quarter.

Special find no: 10079 Context: 616se  
Stratigraphic Phase: LXX Weight: 148.15g  
Dimensions: Height 3.2cm, diameter 4.5–5.5cm.  
Comments: Complete.

Special find no: 10083 Context: 616se  
Stratigraphic Phase: LXX Weight: 199.55g  
Dimensions: Height 1–2cm, diameter 5–10cm.  
Comments: Complete oval shaped, four pieces.

Special find no: 10087 Context: 616se  
Stratigraphic Phase: LXX Weight: 157.59g

Dimensions: Height 3cm, diameter 5.5cm.  
Comments: Incomplete, six pieces, two thirds.

Special find no: 10092 Context: 616se  
Stratigraphic Phase: LXX Weight: 43.97g  
Dimensions: Height 2.2cm, diameter 5.5cm.  
Comments: Incomplete, half survives – joins sf 10121.

Special find no: 10102 Context: 616se  
Stratigraphic Phase: LXX Weight: 139.19g  
Dimensions: Height 3cm, diameter 5.2cm.  
Comments: Incomplete.

Special find no: 10103 Context: 616se  
Stratigraphic Phase: LXX Weight: 75.51g  
Dimensions: Height 1.8cm, diameter 5.5cm.  
Comments: Four pieces, all with fresh breaks. None joins.

Special find no: 10111 Context: 616se  
Stratigraphic Phase: LXX Weight: 65.65g  
Dimensions: Height 2.3cm, diameter 5.5cm.  
Comments: Incomplete, half survives.

Special find no: 10116 Context: 616se  
Stratigraphic Phase: LXX Weight: 138.61g  
Dimensions: Height 6.8cm, diameter 3.5cm.  
Comments: Complete circumference, piece missing. Excellent wood pseudomorph.

Special find no: 10120 Context: 616se  
Stratigraphic Phase: LXX Weight: 172.1g  
Dimensions: 9 x 6.5 x 2cm.  
Comments: Complete oval corroded together with bar. Bar has circular cross-section.  
[Plate 3.2]

Special find no: 10121 Context: 616se  
Stratigraphic Phase: LXX Weight: 48.2g  
Dimensions: Height 2.2cm, diameter 5.5cm.  
Comments: Incomplete, half survives, joins sf 10092.

Special find no: 10122 Context: 616se  
Stratigraphic Phase: LXX Weight: 160.4g  
Dimensions: Height 2.2cm, diameter 5.5cm.  
Comments: Complete.

Special find no: 10131 Context: 616se  
Stratigraphic Phase: LXX Weight: 90.87g  
Dimensions: Height 2.2cm, diameter 4.5cm.  
Comments: Complete.

Special find no: 10132 Context: 616se  
Stratigraphic Phase: LXX Weight: 173.02g  
Dimensions: Height 3cm, diameter 5cm.  
Comments: Complete.

Special find no: 15060 Context: 616se  
Stratigraphic Phase: LXX Weight: 50.03g  
Dimensions: Height 3cm, diameter 7cm.  
Comments: Incomplete, quarter survives – joins sf 15072.

Special find no: 15072 Context: 616se  
Stratigraphic Phase: LXX Weight: 101.53g  
Dimensions: Height 3.2cm, diameter 7cm.  
Comments: Incomplete, two pieces – joins sf 15060.

Special find no: 15076 Context: 616se  
Stratigraphic Phase: LXX Weight: 127.87g  
Dimensions: Height 3.2cm, diameter 5.5cm.  
Comments: Complete.

Special find no: 15077 Context: 616se  
Stratigraphic Phase: LXX Weight: 103.87g  
Dimensions: Height 2.8cm, diameter 5.2cm.  
Comments: Complete in two pieces. With wood pseudo inside.

Special find no: 15080 Context: 616se  
Stratigraphic Phase: LXX Weight: 25.39g

Dimensions: Height 2.5cm, diameter about 20cm.  
Comments: Incomplete fraction survives. Is much larger than the others.

Special find no: 15082 Context: 616se  
Stratigraphic Phase: LXX Weight: 9.75g  
Dimensions: Height 2.2cm, diameter around 6cm.  
Comments: Incomplete fraction survives.

Special find no: 10177 Context: 670sw  
Stratigraphic Phase: LXIV Weight: 216.59g  
Dimensions: Height 3.5cm, diameter 6cm.  
Comments: Five pieces join to make a complete ring.

Special find no: 16013 Context: 714sw  
Stratigraphic Phase: LIV Weight: 30.57g  
Dimensions: Height 2.2cm, diameter 5cm.  
Comments: Incomplete, less than half survives.

Special find no: 16034 Context: 714sw  
Stratigraphic Phase: LIV Weight: 41.13g  
Dimensions: Height 1.8cm, diameter about 7cm.  
Comments: Incomplete and bent.

### 3.2.14 Pipe

A single iron pipe was recovered from period G's old land surface 487. The pipe was formed by folding the sheet into a tube. Such an object may be a structural element or it may represent a metal shaft for a composite tool. It would be quite possible, for example, to attach the plug at the base of the 100cm long Type 1 spearhead from Sanur (Banerjee and Rajan 1959) into the pipe.

Special find no: 6904 Context: 487me  
Stratigraphic Phase: LXXXI Weight: 1260g  
Dimensions: 40cm long and 3cm diameter. Collar is 3.5cm wide, all sheets are 0.2cm thick.  
Comments: Pipe sheet folded into a tube, slight overlap to make the weld. Collar at one end to join pipes or seal it as the end appears to be blocked.  
[Fig. 3.3]

### 3.2.15 Staple

A single staple, formed by bending a bar into a 'Q' shape, was recovered from robber pit fill 324.

Special find no: 2225 Context: 324ne  
Stratigraphic Phase: XCV Weight: 37.45g  
Dimensions: 5.5 x 2.5cm bar, maximum 0.7cm.  
Comments: Bar bent to make a Q-type object, tapers to a point. Possible closed hook or a staple.  
[Fig. 3.2]

### 3.2.16 Bars

Bars represent the single largest weight of all the iron artefact categories. Some of the artefacts listed below may well have been part of composite objects or small tools manufactured from bars, however their current state makes their function impossible to assess.

Special find no: 388 Context: 5  
Stratigraphic Phase: CXII Weight: 33.42g

Special find no: 50 Context: 19sw  
Stratigraphic Phase: CX Weight: 12.98g

Special find no: 833 Context: 9ne  
Stratigraphic Phase: CVI Weight: 7.3g

Special find no: 841 Context: 9sw  
Stratigraphic Phase: CVI Weight: 7.25g

## *Metal Objects*

Special find no: 82 Stratigraphic Phase: C	Context: 24nw Weight: 6.85g	Special find no: 5935 Stratigraphic Phase: XCII	Context: 364 Weight: 4.94g
Special find no: 95 Stratigraphic Phase: C	Context: 27se Weight: 10.04g	Special find no: 6083 Stratigraphic Phase: XCII	Context: 364ne Weight: 50.87g
Special find no: 664 Stratigraphic Phase: XCIX	Context: 187 Weight: 26.39g	Special find no: 2892 Stratigraphic Phase: XCII	Context: 364ne Weight: 33.27g
Special find no: 129 Stratigraphic Phase: XCVIII	Context: 48ne Weight: 6.45g	Special find no: 5072 Stratigraphic Phase: XCII	Context: 364nw Weight: 10.13g
Special find no: 918 Stratigraphic Phase: XCVII	Context: 25nw Weight: 19.56g	Special find no: 2974 Stratigraphic Phase: XCII	Context: 365nw Weight: 59.31g
Special find no: 265 Stratigraphic Phase: XCV	Context: 88ne Weight: 15.99g	Special find no: 2920 Stratigraphic Phase: XCII	Context: 367sw Weight: 26.57g
Special find no: 836 Stratigraphic Phase: XCV	Context: 88nw Weight: 30.27g	Special find no: 2987 Stratigraphic Phase: XCII	Context: 367nw Weight: 28.83g
Special find no: 322 Stratigraphic Phase: XCV	Context: 126se Weight: 15.85g	Special find no: 6265 Stratigraphic Phase: XCI	Context: 385se Weight: 28.77g
Special find no: 1451 Stratigraphic Phase: XCV	Context: 134 Weight: 23.56g	Special find no: 5957 Stratigraphic Phase: XCI	Context: 386 Weight: 30.06g
Special find no: 915 Stratigraphic Phase: XCV	Context: 158 Weight: 10.97g	Special find no: 6270 Stratigraphic Phase: XCI	Context: 386nw Weight: 48.96g
Special find no: 1471 Stratigraphic Phase: XCV	Context: 158nw Weight: 24.32g	Special find no: 5322 Stratigraphic Phase: XCI	Context: 399se Weight: 23.64
Special find no: 1836 Stratigraphic Phase: XCV	Context: 316ne Weight: 14.32g	Special find no: 6331 Stratigraphic Phase: XCI	Context: 399se Weight: 44.63g
Special find no: 2224 Stratigraphic Phase: XCV	Context: 324ne Weight: 5.08g	Special find no: 5441 Stratigraphic Phase: XCI	Context: 400se Weight: 29.78g
Special find no: 2664 Stratigraphic Phase: XCV	Context: 359nw Weight: 78.84g	Special find no: 6613 Stratigraphic Phase: XCI	Context: 406sw Weight: 29.32g
Special find no: 2826 Stratigraphic Phase: XCV	Context: 373 Weight: 14.09g	Special find no: 5448 Stratigraphic Phase: XCI	Context: 414 Weight: 25.5g
Special find no: 1449 Stratigraphic Phase: XCIII	Context: 200sw Weight: 19.76g	Special find no: 5449 Stratigraphic Phase: XCI	Context: 414 Weight: 23.14g
Special find no: 1450 Stratigraphic Phase: XCIII	Context: 200sw Weight: 21.65g	Special find no: 6454 Stratigraphic Phase: XCI	Context: 416ne Weight: 14.57g
Special find no: 1703 Stratigraphic Phase: XCIII	Context: 304ne Weight: 26.21g	Special find no: 6589 Stratigraphic Phase: XCI	Context: 416ne Weight: 33.15g
Special find no: 8036 Stratigraphic Phase: XCIII	Context: 305sw Weight: 42.12g	Special find no: 6711 Stratigraphic Phase: XCI	Context: 416ne Weight: 86.61g
Special find no: 5451 Stratigraphic Phase: XCIII	Context: 306sw Weight: 4.77g	Special find no: 8258 Stratigraphic Phase: XCI	Context: 416 Weight: 53.51g
Special find no: 2127 Stratigraphic Phase: XCIII	Context: 307 Weight: 16.57g	Special find no: 5347 Stratigraphic Phase: XCI	Context: 424nw Weight: 17.59g
Special find no: 5184 Stratigraphic Phase: XCIII	Context: 345sw Weight: 8.37g	Special find no: 8260 Stratigraphic Phase: XCI	Context: 425 Weight: 43.88g
Special find no: 6081 Stratigraphic Phase: XCIII	Context: 345sw Weight: 48.84g	Special find no: 5435 Stratigraphic Phase: XCI	Context: 427sw Weight: 31.37g
Special find no: 5944 Stratigraphic Phase: XCIII	Context: 358 Weight: 9.56g	Special find no: 6673 Stratigraphic Phase: XCI	Context: 427sw Weight: 27.2g
Special find no: 2854 Stratigraphic Phase: XCIII	Context: 374nw Weight: 33.42g	Special find no: 6688 Stratigraphic Phase: XCI	Context: 427sw Weight: 8.34g
Special find no: 5307 Stratigraphic Phase: XCIII	Context: 388nw Weight: 53.34g	Special find no: 5970 Stratigraphic Phase: XCI	Context: 431 Weight: 26.75g

Special find no: 6640	Context: 431sw	Special find no: 6882	Context: 470sw
Stratigraphic Phase: XCI	Weight: 28.51g	Stratigraphic Phase: LXXXI	Weight: 14.01g
Special find no: 6170	Context: 381ne	Special find no: 6974	Context: 470sw
Stratigraphic Phase: LXXXIX	Weight: 33.61g	Stratigraphic Phase: LXXXI	Weight: 7.49g
Special find no: 5336	Context: 409nw	Special find no: 6839	Context: 487ne
Stratigraphic Phase: LXXXVIII	Weight: 58g	Stratigraphic Phase: LXXXI	Weight: 19.67g
Special find no: 5337	Context: 409nw	Special find no: 6858	Context: 487ne
Stratigraphic Phase: LXXXVIII	Weight: 103.55g	Stratigraphic Phase: LXXXI	Weight: 41.69g
Special find no: 5338	Context: 409nw	Special find no: 6866	Context: 487ne
Stratigraphic Phase: LXXXVIII	Weight: 57.14g	Stratigraphic Phase: LXXXI	Weight: 33.63g
Special find no: 5339	Context: 409nw	Special find no: 6985	Context: 487ne
Stratigraphic Phase: LXXXVIII	Weight: 59.64g	Stratigraphic Phase: LXXXI	Weight: 45.34g
Special find no: 5947	Context: 409ne	Special find no: 10184	Context: 503nw
Stratigraphic Phase: LXXXVIII	Weight: 9.6g	Stratigraphic Phase: LXXVI	Weight: 96.65g
Special find no: 5965	Context: 409nw	Special find no: 7238	Context: 504sw
Stratigraphic Phase: LXXXVIII	Weight: 63.08g	Stratigraphic Phase: LXXV	Weight: 87.53g
Special find no: 6367	Context: 409ne	Special find no: 7146	Context: 490sw
Stratigraphic Phase: LXXXVIII	Weight: 57.47g	Stratigraphic Phase: LXXV	Weight: 58.17g
Special find no: 6421	Context: 409nw	Special find no: 7217	Context: 492se
Stratigraphic Phase: LXXXVIII	Weight: 71.82g	Stratigraphic Phase: LXXV	Weight: 103.38g
Special find no: 6422	Context: 409nw	Special find no: 7233	Context: 492se
Stratigraphic Phase: LXXXVIII	Weight: 36.97g	Stratigraphic Phase: LXXV	Weight: 80.05g
Special find no: 6543	Context: 409nw	Special find no: 8119	Context: 492sw
Stratigraphic Phase: LXXXVIII	Weight: 302.59g	Stratigraphic Phase: LXXV	Weight: 12.11g
Special find no: 6549	Context: 409ne	Special find no: 7032	Context: 494ne
Stratigraphic Phase: LXXXVIII	Weight: 66.14g	Stratigraphic Phase: LXXV	Weight: 227.26g
Special find no: 6567	Context: 419ne	Special find no: 7035	Context: 494ne
Stratigraphic Phase: LXXXVIII	Weight: 8.44g	Stratigraphic Phase: LXXV	Weight: 4.3g
Special find no: 6646	Context: 426ne	Special find no: 7084	Context: 494se
Stratigraphic Phase: LXXXVIII	Weight: 45.89g	Stratigraphic Phase: LXXV	Weight: 20.3g
Special find no: 6577	Context: 339ne	Special find no: 7092	Context: 494ne
Stratigraphic Phase: LXXXVII	Weight: 31.39g	Stratigraphic Phase: LXXV	Weight: 25.02g
Special find no: 6756	Context: 437ne	Special find no: 7156	Context: 494ne
Stratigraphic Phase: LXXXVII	Weight: 15.86g	Stratigraphic Phase: LXXV	Weight: 22.3g
Special find no: 6724	Context: 441ne	Special find no: 7184	Context: 494ne
Stratigraphic Phase: LXXXVII	Weight: 53.67g	Stratigraphic Phase: LXXV	Weight: 13.89g
Special find no: 6775	Context: 442se	Special find no: 7185	Context: 494ne
Stratigraphic Phase: LXXXVII	Weight: 36.26g	Stratigraphic Phase: LXXV	Weight: 69.68g
Special find no: 6761	Context: 449sw	Special find no: 15639	Context: 635
Stratigraphic Phase: LXXXVII	Weight: 12.42g	Stratigraphic Phase: LXXXIII	Weight: 33.66g
Special find no: 5281	Context: 376nw	Special find no: 15034	Context: 601sw
Stratigraphic Phase: LXXXVI	Weight: 23.7g	Stratigraphic Phase: LXXII	Weight: 16.01g
Special find no: 6340	Context: 390se	Special find no: 15071	Context: 601
Stratigraphic Phase: LXXXVI	Weight: 8.7g	Stratigraphic Phase: LXXII	Weight: 122.73g
Special find no: 6902	Context: 467nw	Special find no: 15972	Context: 601se
Stratigraphic Phase: LXXXI	Weight: 0.27g	Stratigraphic Phase: LXXII	Weight: 2.23g
Special find no: 6846	Context: 470sw	Special find no: 15069	Context: 602
Stratigraphic Phase: LXXXI	Weight: 45.07g	Stratigraphic Phase: LXXII	Weight: 48.68g
Special find no: 6863	Context: 487ne	Special find no: 16005	Context: 659ne
Stratigraphic Phase: LXXXI	Weight: 59.48g	Stratigraphic Phase: LXXII	Weight: 35.87g
Special find no: 6874	Context: 470sw	Special find no: 10050	Context: 607se
Stratigraphic Phase: LXXXI	Weight: 25.42g	Stratigraphic Phase: LXXI	Weight: 35.58g

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Special find no: 10066 Stratigraphic Phase: LXXI	Context: 607se Weight: 74.34g	Special find no: 16567 Stratigraphic Phase: XXXVI	Context: 897ne Weight: 9.44g
Special find no: 15865 Stratigraphic Phase: LXX	Context: 606se Weight: 5.08g	Special find no: 10330 Stratigraphic Phase: XXXV	Context: 837sw Weight: 51.02g
Special find no: 10098 Stratigraphic Phase: LXX	Context: 616se Weight: 108.25g	Special find no: 16802 Stratigraphic Phase: XXXII	Context: 964 Weight: 24.23g
Special find no: 10104 Stratigraphic Phase: LXX	Context: 616se Weight: 184.39g	Special find no: 17322 Stratigraphic Phase: XXXI	Context: 1098se Weight: 57.86g
Special find no: 10117 Stratigraphic Phase: LXX	Context: 616se Weight: 50.70g	Special find no: 10435 Stratigraphic Phase: XXX Comments: Triangular bar.	Context: 961sw Weight: 31.6g
Special find no: 10130 Stratigraphic Phase: LXX	Context: 616se Weight: 349.42g	Special find no: 16760 Stratigraphic Phase: XXX	Context: 961se Weight: 25.4g
Special find no: 10134 Stratigraphic Phase: LXX	Context: 616se Weight: 100.69g	Special find no: 17563 Stratigraphic Phase: XXIX	Context: 1119sw Weight: 96.89g
Special find no: 10079 Stratigraphic Phase: LXX	Context: 616se Weight: 148.15g	Special find no: 10556 Stratigraphic Phase: XXVIII	Context: 977 Weight: 5g
Special find no: 15876 Stratigraphic Phase: LXX	Context: 616se Weight: 15.62g	Special find no: 16804 Stratigraphic Phase: XXVIII	Context: 977 Weight: 5g
Special find no: 10120 Stratigraphic Phase: LXX	Context: 616se Weight: 43.2g	Special find no: 16805 Stratigraphic Phase: XXVIII	Context: 977 Weight: 5g
Special find no: 10213 Stratigraphic Phase: LXIV	Context: 670se Weight: 90.74g	Special find no: 16816 Stratigraphic Phase: XXVIII	Context: 977nw Weight: 13.46g
Special find no: 15966 Stratigraphic Phase: LXIV	Context: 670 Weight: 174.55g	Special find no: 16820 Stratigraphic Phase: XXVIII	Context: 977nw Weight: 56.2g
Special find no: 15974 Stratigraphic Phase: LXIV	Context: 670sw Weight: 303.34g	Special find no: 17041 Stratigraphic Phase: XXVIII	Context: 977se Weight: 4.58g
Special find no: 16161 Stratigraphic Phase: LXIV	Context: 698nw Weight: 15.67g	Special find no: 17043 Stratigraphic Phase: XXVIII	Context: 977se Weight: 26.49g
Special find no: 16165 Stratigraphic Phase: LXIV	Context: 698nw Weight: 14.25g	Special find no: 17077 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 9.71g
Special find no: 16353 Stratigraphic Phase: LX	Context: 767ne Weight: 20.32g	Special find no: 17175 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 34.69g
Special find no: 16354 Stratigraphic Phase: LX	Context: 767ne Weight: 15.86g	Special find no: 17205 Stratigraphic Phase: XXVIII	Context: 977 Weight: 4.21g
Special find no: 15996 Stratigraphic Phase: LVII	Context: 750se Weight: 15.96g	Special find no: 17219 Stratigraphic Phase: XXVIII	Context: 977 Weight: 6.42g
Special find no: 15871 Stratigraphic Phase: LIV	Context: 714se Weight: 59.76g	Special find no: 17279 Stratigraphic Phase: XXVIII	Context: 977sw Weight: 10.84g
Special find no: 16016 Stratigraphic Phase: LIV	Context: 714sw Weight: 45.86g	Special find no: 17365 Stratigraphic Phase: XXVIII Comments: Shaped bar with two diagonal bars.	Context: 977se Weight: 213.63g
Special find no: 16018 Stratigraphic Phase: LIV	Context: 714sw Weight: 56.99g	Special find no: 10537 Stratigraphic Phase: XXVIII Comments: Triangular bar.	Context: 977 Weight: 6.52g
Special find no: 16035 Stratigraphic Phase: LIV	Context: 714sw Weight: 88.73g	Special find no: 17366 Stratigraphic Phase: XXV	Context: 1124 Weight: 1.02g
Special find no: 16036 Stratigraphic Phase: LIV	Context: 714sw Weight: 106.2g	Special find no: 17216 Stratigraphic Phase: XXIII Comments: Irregular bar.	Context: 1125 Weight: 2.42g
Special find no: 16339 Stratigraphic Phase: LIV	Context: 714sw Weight: 7.57g	Special find no: 17404 Stratigraphic Phase: XVII	Context: 1403sw Weight: 20.47g
Special find no: 16543 Stratigraphic Phase: XL	Context: 850ne Weight: 1.76g		
Special find no: 10305 Stratigraphic Phase: XXXIX	Context: 831ne Weight: 307.43g		

Special find no: 17532 Context: 1407ne  
Stratigraphic Phase: XIV Weight: 7.64g  
Comments: with edge.

Special find no: 17611 Context: 1544nw  
Stratigraphic Phase: XIII Weight: 0.45g

Special find no: 17612 Context: 1544nw  
Stratigraphic Phase: XIII Weight: 1.22g

### 3.2.17 Sheet fittings

Fifty-eight fragments of sheet fittings were found at ASW2 in periods B to I. Some of these may well have been part of composite objects or small tools manufactured from sheets, however their current state makes their function impossible to assess. It is likely that a number were attached to organic material at the time of deposition.

Special find no: 944 Context: 25nw  
Stratigraphic Phase: XCVII Weight: 29.29g  
Comments: Bent with no good edges.

Special find no: 945 Context: 88ne  
Stratigraphic Phase: XCV Weight: 24.17g  
Comments: Rectangular with circular hole at one end.

Special find no: 943 Context: 134se  
Stratigraphic Phase: XCV Weight: 6.07g  
Comments: Two possible edges.

Special find no: 826 Context: 182  
Stratigraphic Phase: XCV Weight: 15.65g  
Comments: Square with four straight-sided edges.

Special find no: 2689 Context: 294ne  
Stratigraphic Phase: XCV Weight: 7.21g  
Comments: Rectangle. Square removed from corner.

Special find no: 6586 Context: 347ne  
Stratigraphic Phase: XCV Weight: 21.78g  
Comments: One good edge. Two holes? Edges straight but not sharp.

Special find no: 5951 Context: 369se  
Stratigraphic Phase: XCIII Weight: 30.4g  
Comments: Rectangle with 4 holes, 2 in the middle at either end and the other 2 are near one of these either side towards the corner.

Special find no: 2715 Context: 365nw  
Stratigraphic Phase: XCII Weight: 54.32g  
Comments: Sheet fragment, 2 or 3 original edges.

Special find no: 5312 Context: 386nw  
Stratigraphic Phase: XCI Weight: 15.32g  
Comments: Triangular piece, one original edge.

Special find no: 5433 Context: 406sw  
Stratigraphic Phase: XCI Weight: 6.05g  
Comments: Rough circular piece with hole in the middle.

Special find no: 6513 Context: 417nw  
Stratigraphic Phase: XCI Weight: 14.27g  
Comments: Sheet with rivet hole.

Special find no: 5431 Context: 422sw  
Stratigraphic Phase: XCI Weight: 6.68g  
Comments: Fragment with no original edges.

Special find no: 5335 Context: 409nw  
Stratigraphic Phase: LXXXVIII Weight: 19.75g  
Comments: Two sheets? Original sides, folded in one corner.

Special find no: 16334 Context: 450nw  
Stratigraphic Phase: LXXXVII Weight: 29.53g

Comments: Two parallel straight original edges, one end has nail hole clipping edge.

Special find no: 6793 Context: 458sw  
Stratigraphic Phase: LXXXVII Weight: 75.99g  
Comments: Square?

Special find no: 6721 Context: 390se  
Stratigraphic Phase: LXXXVI Weight: 19.69g  
Comments: Two original edges.

Special find no: 15942 Context: 605ne  
Stratigraphic Phase: LXXXIII Weight: 6.03g  
Comments: Fragment with one straight edge. Nail hole clips another edge.

Special find no: 8265 Context: 467  
Stratigraphic Phase: LXXXI Weight: 4.82g  
Comments: Two sheet fragments with no original sides.

Special find no: 6996 Context: 469se  
Stratigraphic Phase: LXXXI Weight: 22.53g  
Comments: Four pieces, three of them have two original edges, one of these has a hole at one end.

Special find no: 6847 Context: 470sw  
Stratigraphic Phase: LXXXI Weight: 16.52g  
Comments: Two fragments.

Special find no: 8482 Context: 470sw  
Stratigraphic Phase: LXXXI Weight: 4.48g  
Comments: Fragment.

Special find no: 6881 Context: 487ne  
Stratigraphic Phase: LXXXI Weight: 3.73g  
Comments: Square sheet with rough edges. Circular hole off-centre.

Special find no: 7075 Context: 495se  
Stratigraphic Phase: LXXX Weight: 42.78g  
Comments: Rectangle. Original rivet hole clips short edge.

Special find no: 10189 Context: 503ne  
Stratigraphic Phase: LXXVI Weight: 222.45g  
Comments: Three sheets, each has two straight parallel lines.

Special find no: 7149 Context: 492se  
Stratigraphic Phase: LXXV Weight: 22.69g  
Comments: Two pieces, original edges, circular hole in centre.

Special find no: 8450 Context: 492se  
Stratigraphic Phase: LXXV Weight: 17.24g  
Comments: Two pieces.

Special find no: 7189 Context: 493se  
Stratigraphic Phase: LXXV Weight: 27.7g  
Comments: Two pieces with rough edges.

Special find no: 8462 Context: 493se  
Stratigraphic Phase: LXXV Weight: 4.71g

Special find no: 7043 Context: 494ne  
Stratigraphic Phase: LXXV Weight: 3.35g

Special find no: 7072 Context: 494se  
Stratigraphic Phase: LXXV Weight: 4.59g

Special find no: 15979 Context: 604ne  
Stratigraphic Phase: LXXV Weight: 2.39g

Special find no: 15641 Context: 635  
Stratigraphic Phase: LXXXIII Weight: 1.45g

Special find no: 10004 Context: 601  
Stratigraphic Phase: LXXII Weight: 605.19g  
Comments: Very large (12 x 12 cm), no original edges.

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Special find no: 15058      Context: 601  
Stratigraphic Phase: LXXII      Weight: 18.74g  
Comments: Two fragments.

Special find no: 15059      Context: 601  
Stratigraphic Phase: LXXII      Weight: 41.67g  
Comments: Very large, no original edges.

Special find no: 16160      Context: 601  
Stratigraphic Phase: LXXII      Weight: 122.1g

Special find no: 15938      Context: 659  
Stratigraphic Phase: LXXII      Weight: 9.7g

Special find no: 16000      Context: 659se  
Stratigraphic Phase: LXXII      Weight: 24.25g

Special find no: 15053      Context: 606se  
Stratigraphic Phase: LXX      Weight: 6.86g

Special find no: 15084      Context: 616se  
Stratigraphic Phase: LXX      Weight: 3.8g

Special find no: 15873      Context: 616se  
Stratigraphic Phase: LXX      Weight: 2.94g  
Comments: Three corroded sheets.

Special find no: 10133      Context: 616se  
Stratigraphic Phase: LXX      Weight: 25.46g

Special find no: 15874      Context: 616se  
Stratigraphic Phase: LXX      Weight: 5.43g  
Comments: Square sheet, circular hole in middle, another hole at edge, edges are fairly straight.

Special find no: 15933      Context: 670nw  
Stratigraphic Phase: LXIV      Weight: 27.04g

Special find no: 15981      Context: 698nw  
Stratigraphic Phase: LXIV      Weight: 27.62g

Special find no: 16342      Context: 698ne  
Stratigraphic Phase: LXIV      Weight: 8.67g

Special find no: 16030      Context: 715se  
Stratigraphic Phase: LXII      Weight: 24.7g  
Comments: Triangular sheet.

Special find no: 16032      Context: 715  
Stratigraphic Phase: LXII      Weight: 2.11g

Special find no: 16014      Context: 714  
Stratigraphic Phase: LIV      Weight: 15.1g

Special find no: 16017      Context: 714sw  
Stratigraphic Phase: LIV      Weight: 37.83g

Special find no: 15869      Context: 714se  
Stratigraphic Phase: LIV      Weight: 14.56g

Special find no: 15993      Context: 729sw  
Stratigraphic Phase: LIII      Weight: 26.58g  
Comments: Large tapering sheet.

Special find no: 10330      Context: 837sw  
Stratigraphic Phase: XXXV      Weight: 51.02g  
Comments: Tapering sheet.

Special find no: 16799      Context: 1119  
Stratigraphic Phase: XXIX      Weight: 9.65g  
Comments: Thin piece with two or three original edges.

Special find no: 16830      Context: 977se  
Stratigraphic Phase: XXVIII      Weight: 56.21g  
Comments: Sheet with rivet hole.

Special find no: 17200      Context: 977  
Stratigraphic Phase: XXVIII      Weight: 14.23g  
Comments: Sheet with rivet hole.

Special find no: 17201      Context: 977  
Stratigraphic Phase: XXVIII      Weight:  
Comments: Sheet with rivet hole.

Special find no: 17326      Context: 977ne  
Stratigraphic Phase: XXVIII      Weight: 7.46g  
Comments: Sheet with hole.

### 3.2.18 Tapering nails

Twenty-eight tapering nails were recovered from ASW2 periods B to I. They are concentrated in periods I and G. It is assumed that they performed a structural function.

Special find no: 67      Context: 24nw  
Stratigraphic Phase: C      Weight: 8.47g

Special find no: 5440      Context: 326  
Stratigraphic Phase: XCV      Weight: 34.61g

Special find no: 2540      Context: 347ne  
Stratigraphic Phase: XCV      Weight: 15.57g

Special find no: 5189      Context: 306se  
Stratigraphic Phase: XCIII      Weight: 26.56g

Special find no: 5427      Context: 425  
Stratigraphic Phase: XCI      Weight: 14.64g

Special find no: 5327      Context: 409sw  
Stratigraphic Phase: LXXXVIII      Weight: 42.27g

Special find no: 6789      Context: 437se  
Stratigraphic Phase: LXXXVII      Weight: 34.86g

Special find no: 6765      Context: 457sw  
Stratigraphic Phase: LXXXVI      Weight: 28.5g

Special find no: 6408      Context: 390se  
Stratigraphic Phase: LXXXVI      Weight: 15.47g

Special find no: 15057      Context: 601  
Stratigraphic Phase: LXXII      Weight: 51.26g

Special find no: 16012      Context: 659se  
Stratigraphic Phase: LXXII      Weight: 10.62g

Special find no: 10048      Context: 608sw  
Stratigraphic Phase: LXXI      Weight: 10.9g

Special find no: 10232      Context: 714sw  
Stratigraphic Phase: LIV      Weight: 57.47g

Special find no: 15992      Context: 729sw  
Stratigraphic Phase: LIII      Weight: 44.44g

Special find no: 16171      Context: 729  
Stratigraphic Phase: LIII      Weight: 24.54g

Special find no: 16350      Context: 791nw  
Stratigraphic Phase: XLVII      Weight: 32.29g

Special find no: 16564      Context: 850ne  
Stratigraphic Phase: XL      Weight: 29.47g

Special find no: 16553      Context: 880se  
Stratigraphic Phase: XXXIII      Weight: 61.34g

Special find no: 16556      Context: 880se  
Stratigraphic Phase: XXXIII      Weight: 40.67g

Special find no: 16678      Context: 880se  
Stratigraphic Phase: XXXIII      Weight: 28.21g



Special find no: 16560	Context: 880se
Stratigraphic Phase: XXXIII	Weight: 34.66g
Special find no: 16561	Context: 880se
Stratigraphic Phase: XXXIII	Weight: 33.45g
Special find no: 17553	Context: 894nw
Stratigraphic Phase: XXXII	Weight: 35.27g
Special find no: 10400	Context: 961nw
Stratigraphic Phase: XXX	Weight: 26.26g
Special find no: 10402	Context: 961nw
Stratigraphic Phase: XXX	Weight: 21.74g
Special find no: 10450	Context: 961se
Stratigraphic Phase: XXX	Weight: 28.58g
Special find no: 10551	Context: 977se
Stratigraphic Phase: XXVIII	Weight: 27.34g
Special find no: 17042	Context: 977se
Stratigraphic Phase: XXVIII	Weight: 13.25g

### 3.2.19 T-shaped nails

Thirty-three T-shaped nails were recovered from ASW2 period C, D & E to period J. They are concentrated in periods I and G. It is assumed that they performed a structural function.

Special find no: 835	Context: 88nw
Stratigraphic Phase: XCV	Weight: 41.13g
Special find no: 925	Context: 134sw
Stratigraphic Phase: XCV	Weight: 17.2g
Special find no: 2334	Context: 316ne
Stratigraphic Phase: XCV	Weight: 51.37g
Special find no: 5201	Context: 306se
Stratigraphic Phase: XCIII	Weight: 14.58g
Special find no: 5283	Context: 379
Stratigraphic Phase: XCIII	Weight: 17.42g
Special find no: 6060	Context: 365nw
Stratigraphic Phase: XCII	Weight: 26.37g
Special find no: 6559	Context: 424nw
Stratigraphic Phase: XCI	Weight: 104.89g
[Fig. 3.3]	
Special find no: 6345	Context: 385se
Stratigraphic Phase: XCI	Weight: 25.92g
Special find no: 5310	Context: 386nw
Stratigraphic Phase: XCI	Weight: 61.86g
Special find no: 6493	Context: 415se
Stratigraphic Phase: XCI	Weight: 17.41g
Special find no: 5429	Context: 416ne
Stratigraphic Phase: XCI	Weight: 16.45g
Special find no: 6498	Context: 417nw
Stratigraphic Phase: XCI	Weight: 5.28g
Special find no: 8255	Context: 446nw
Stratigraphic Phase: LXXXVII	Weight: 8.45g
Special find no: 8262	Context: 490sw
Stratigraphic Phase: LXXV	Weight: 23.93g
Special find no: 15967	Context: 663nw
Stratigraphic Phase: LXVI	Weight: 203.26g

Special find no: 16344	Context: 831se
Stratigraphic Phase: XXXIX	Weight: 49.63g
Special find no: 16569	Context: 837se
Stratigraphic Phase: XXXV	Weight: 49.56g
Special find no: 16549	Context: 880se
Stratigraphic Phase: XXXIII	Weight: 27.77g
Special find no: 16552	Context: 880sw
Stratigraphic Phase: XXXIII	Weight: 65.12g
Special find no: 16554	Context: 880se
Stratigraphic Phase: XXXIII	Weight: 67.89g
Special find no: 16555	Context: 880se
Stratigraphic Phase: XXXIII	Weight: 34.26g
Special find no: 16559	Context: 880se
Stratigraphic Phase: XXXIII	Weight: 65.35g
Special find no: 17058	Context: 964sw
Stratigraphic Phase: XXXII	Weight: 95.42g
Special find no: 16772	Context: 970
Stratigraphic Phase: XXXI	Weight: 32.35g
Special find no: 10405	Context: 961nw
Stratigraphic Phase: XXX	Weight: 26.11g
Special find no: 10420	Context: 961sw
Stratigraphic Phase: XXX	Weight: 84.78g
Special find no: 10424	Context: 961se
Stratigraphic Phase: XXX	Weight: 44.33g
Special find no: 10443	Context: 961se
Stratigraphic Phase: XXX	Weight: 42.44g
Special find no: 16680	Context: 961ne
Stratigraphic Phase: XXX	Weight: 22.25g
Special find no: 10496	Context: 977ne
Stratigraphic Phase: XXVIII	Weight: 17.72g
Special find no: 17044	Context: 977se
Stratigraphic Phase: XXVIII	Weight: 17.65g
Special find no: 17079	Context: 977ne
Stratigraphic Phase: XXVIII	Weight: 19.69g
Special find no: 17399	Context: 1172se
Stratigraphic Phase: XXII	Weight: 12.37g

### 3.2.20 Large-headed nails

Five large-headed nails were recovered from ASW2 periods C, D & E to I. It is assumed that they performed a structural function.

Special find no: 916	Context: 100ne
Stratigraphic Phase: XCV	Weight: 12.12g
Special find no: 6595	Context: 426ne
Stratigraphic Phase: LXXXVIII	Weight: 22.13g
Special find no: 25000	Context: 506sw
Stratigraphic Phase: LXXVI	Weight: 25.67g
Special find no: 16566	Context: 897ne
Stratigraphic Phase: XXXVI	Weight: 31.86g
Special find no: 10346	Context: 894nw
Stratigraphic Phase: XXXII	Weight: 107.83g

**3.2.21 L-shaped nails**

Fourteen L-shaped nails were recovered from ASW2 periods B to G. It is assumed that they too performed a structural function. Deraniyagala recovered similar nails from Strata 3A, 3B, 4A and 4B (Deraniyagala 1972: 151–4) at the Anuradhapura Gedige, and Bandaranayake recovered some from the Rampart site at Sigiriya (Bandaranayake 1989: 49).

Special find no: 87 Stratigraphic Phase: C	Context: 27se Weight: 7.68g
Special find no: 1144 Stratigraphic Phase: XCVII	Context: 25ne Weight: 22.94g
Special find no: 1434 Stratigraphic Phase: XCV	Context: 42nw Weight: 24.54g
Special find no: 854 Stratigraphic Phase: XCV	Context: 88ne Weight: 4.73g
Special find no: 2135 Stratigraphic Phase: XCV	Context: 285 Weight: 6.87g
Special find no: 2335 Stratigraphic Phase: XCV	Context: 316ne Weight: 12.09g
Special find no: 6047 Stratigraphic Phase: XCII	Context: 365nw Weight: 23.97g
Special find no: 5026 Stratigraphic Phase: XCII	Context: 367sw Weight: 5.08g
Special find no: 5952 Stratigraphic Phase: XCI	Context: 385sw Weight: 31.94g
Special find no: 6476 Stratigraphic Phase: XCI	Context: 406sw Weight: 13.79g
Special find no: 6700 Stratigraphic Phase: XCI	Context: 416ne Weight: 31.75g
Special find no: 5943 Stratigraphic Phase: XCI	Context: 422 Weight: 9.17g
Special find no: 8451 Stratigraphic Phase: LXXV	Context: 489 Weight: 25.01g
Special find no: 10071 Stratigraphic Phase: LXXI	Context: 607se Weight: 109.93g

**3.2.22 Mushroom-headed nails**

Only six mushroom-headed nails were recovered from ASW2 periods C, D & E to G. It is assumed that they performed a structural function. This category appears to be similar to Deraniyagala's type 1B from the Anuradhapura Gedige (Deraniyagala 1972: 151). Five such examples were recovered from Stratum 4A and one from Stratum 4B (ibid.: 153–4).

Special find no: 244 Stratigraphic Phase: XCV	Context: 56ne Weight: 13.86g
Special find no: 2983 Stratigraphic Phase: XCIII	Context: 304ne Weight: 34.18g
Special find no: 5269 Stratigraphic Phase: LXXXVI	Context: 376nw Weight: 33.91g
Special find no: 6959 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 42.92g

Special find no: 6961  
Stratigraphic Phase: LXXXI

Context: 487ne  
Weight: 44.44g

Special find no: 10070  
Stratigraphic Phase: LXXII

Context: 601  
Weight: 14.34g

**3.2.23 Nailshafts and bars**

Some of the 210 objects below may have formed part of composite objects or have been small tools manufactured from bars. However, it is likely that the majority were nailshafts and therefore performed a structural function. Their concentration in period G correlates with the mass of structural debris and collapse found in those contexts. It may well be that they indicate the beginnings of the use of ceramic tiles at ASW2, as large numbers of tiles associated with roof collapse have been found at the Jetavanaramaya monastic complex (Ratnayake 1984: 121) and the Abhayagiri Vihara (Wickramagamage 1984).

Special find no: 386 Stratigraphic Phase: CXV	Context: 3nw Weight: 30.27g
Special find no: 194 Stratigraphic Phase: CXIII	Context: 71se Weight: 3.78g
Special find no: 60 Stratigraphic Phase: CX	Context: 19sw Weight: 8.82g
Special find no: 39 Stratigraphic Phase: CV	Context: 19sw Weight: 2.07g
Special find no: 1127 Stratigraphic Phase: CIII	Context: 94ne Weight: 14.23g
Special find no: 91 Stratigraphic Phase: C	Context: 27se Weight: 20.63g
Special find no: 850 Stratigraphic Phase: C	Context: 41 Weight: 10.08g
Special find no: 454 Stratigraphic Phase: XCIX	Context: 51 Weight: 13.27g
Special find no: 656 Stratigraphic Phase: XCIX	Context: 187nw Weight: 7.05g
Special find no: 139 Stratigraphic Phase: XCVIII	Context: 48se Weight: 9.95g
Special find no: 843 Stratigraphic Phase: XCVII	Context: 25ne Weight: 21.87g
Special find no: 917 Stratigraphic Phase: XCVII	Context: 25nw Weight: 18.36g
Special find no: 955 Stratigraphic Phase: XCVII	Context: 25ne Weight: 8.06g
Special find no: 1128 Stratigraphic Phase: XCVII	Context: 25ne Weight: 11.11g
Special find no: 1129 Stratigraphic Phase: XCVII	Context: 25ne Weight: 20.69g
Special find no: 1440 Stratigraphic Phase: XCVII	Context: 25ne Weight: 12.17g
Special find no: 1435 Stratigraphic Phase: XCV	Context: 42nw Weight: 7.07g
Special find no: 624 Stratigraphic Phase: XCV	Context: 56sw Weight: 0.93g

Special find no: 1458 Stratigraphic Phase: XCV	Context: 76ne Weight: 6.25g	Special find no: 5202 Stratigraphic Phase: XCV	Context: 357 Weight: 8.1g
Special find no: 1444 Stratigraphic Phase: XCV	Context: 84nw Weight: 25.74g	Special find no: 2662 Stratigraphic Phase: XCV	Context: 359 Weight: 7.25g
Special find no: 922 Stratigraphic Phase: XCV	Context: 87sw Weight: 21.23g	Special find no: 2806 Stratigraphic Phase: XCV	Context: 373ne Weight: 13.25g
Special find no: 271 Stratigraphic Phase: XCV	Context: 88ne Weight: 5.42g	Special find no: 5326 Stratigraphic Phase: XCV	Context: 401sw Weight: 15.76g
Special find no: 8037 Stratigraphic Phase: XCV	Context: 88ne Weight: 50.02g	Special find no: 5983 Stratigraphic Phase: XCV	Context: 410 Weight: 10.61g
Special find no: 916 Stratigraphic Phase: XCV	Context: 100ne Weight: 12.12g	Special find no: 197 Stratigraphic Phase: XCIII	Context: 73sw Weight: 5.14g
Special find no: 1125 Stratigraphic Phase: XCV	Context: 100nw Weight: 8.68g	Special find no: 282 Stratigraphic Phase: XCIII	Context: 73sw Weight: 6.63g
Special find no: 418 Stratigraphic Phase: XCV	Context: 121ne Weight: 48.53g	Special find no: 298 Stratigraphic Phase: XCIII	Context: 73se Weight: 15.85g
Special find no: 921 Stratigraphic Phase: XCV	Context: 134se Weight: 14.51g	Special find no: 2610 Stratigraphic Phase: XCIII	Context: 73sw Weight: 18.82g
Special find no: 1467 Stratigraphic Phase: XCV	Context: 157se Weight: 5.44g	Special find no: 5445 Stratigraphic Phase: XCIII Comment: Three nail shafts.	Context: 73sw Weight: 33.19g
Special find no: 666 Stratigraphic Phase: XCV	Context: 158nw Weight: 18.92g	Special find no: 2057 Stratigraphic Phase: XCIII	Context: 304ne Weight: 20.97g
Special find no: 748 Stratigraphic Phase: XCV	Context: 158nw Weight: 11.28g	Special find no: 2058 Stratigraphic Phase: XCIII	Context: 304ne Weight: 5.31g
Special find no: 706 Stratigraphic Phase: XCV	Context: 197sw Weight: 13.41g	Special find no: 5453 Stratigraphic Phase: XCIII	Context: 304ne Weight: 14.37g
Special find no: 913 Stratigraphic Phase: XCV	Context: 197sw Weight: 9.95g	Special find no: 8035 Stratigraphic Phase: XCIII	Context: 305sw Weight: 13.96g
Special find no: 1433 Stratigraphic Phase: XCV	Context: 217se Weight: 19.19g	Special find no: 2074 Stratigraphic Phase: XCIII	Context: 306se Weight: 13.03g
Special find no: 2341 Stratigraphic Phase: XCV	Context: 253nw Weight: 11.67g	Special find no: 5188 Stratigraphic Phase: XCIII	Context: 306se Weight: 11.55g
Special find no: 1651 Stratigraphic Phase: XCV	Context: 256se Weight: 11.13g	Special find no: 5432 Stratigraphic Phase: XCIII	Context: 306 Weight: 27.56g
Special find no: 1576 Stratigraphic Phase: XCV	Context: 262se Weight: 16.8g	Special find no: 5936 Stratigraphic Phase: XCIII	Context: 309nw Weight: 14.15g
Special find no: 2333 Stratigraphic Phase: XCV	Context: 263nw Weight: 16.26g	Special find no: 5443 Stratigraphic Phase: XCIII	Context: 345sw Weight: 20.3g
Special find no: 1616 Stratigraphic Phase: XCV	Context: 284nw Weight: 21.87g	Special find no: 6236 Stratigraphic Phase: XCIII	Context: 388nw Weight: 23.31g
Special find no: 5946 Stratigraphic Phase: XCV	Context: 296ne Weight: 23.74g	Special find no: 5438 Stratigraphic Phase: XCII	Context: 364ne Weight: 14.63g
Special find no: 1693 Stratigraphic Phase: XCV	Context: 299se Weight: 16.94g	Special find no: 5955 Stratigraphic Phase: XCII	Context: 364 Weight: 8.31g
Special find no: 5939 Stratigraphic Phase: XCV	Context: 325ne Weight: 28.11g	Special find no: 2977 Stratigraphic Phase: XCII	Context: 365nw Weight: 12.6g
Special find no: 6108 Stratigraphic Phase: XCV	Context: 326nw Weight: 5.42g	Special find no: 2761 Stratigraphic Phase: XCII	Context: 365nw Weight: 6.03g
Special find no: 6116 Stratigraphic Phase: XCV	Context: 326nw Weight: 27.67g	Special find no: 2785 Stratigraphic Phase: XCII	Context: 365nw Weight: 4.34g
Special find no: 5185 Stratigraphic Phase: XCV	Context: 334ne Weight: 6.99g		

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Special find no: 2942 Stratigraphic Phase: XCII	Context: 365nw Weight: 15.4g	Special find no: 6651 Stratigraphic Phase: XCI	Context: 425sw Weight: 38.14g
Special find no: 2952 Stratigraphic Phase: XCII	Context: 365nw Weight: 28.15g	Special find no: 8460 Stratigraphic Phase: XCI	Context: 425 Weight: 22.69g
Special find no: 2964 Stratigraphic Phase: XCII	Context: 365nw Weight: 20.21g	Special find no: 5372 Stratigraphic Phase: XCI	Context: 427sw Weight: 10.45g
Special find no: 5039 Stratigraphic Phase: XCII	Context: 365nw Weight: 44.58g	Special find no: 6686 Stratigraphic Phase: XCI	Context: 427se Weight: 14.3g
Special find no: 5064 Stratigraphic Phase: XCII	Context: 365nw Weight: 25.72g	Special find no: 6210 Stratigraphic Phase: LXXXIX	Context: 383ne Weight: 10.64g
Special find no: 5968 Stratigraphic Phase: XCII	Context: 365nw Weight: 53.78g	Special find no: 5964 Stratigraphic Phase: LXXXVIII	Context: 375sw Weight: 8.65g
Special find no: 6072 Stratigraphic Phase: XCII	Context: 365nw Weight: 18.26g	Special find no: 6636 Stratigraphic Phase: LXXXVIII	Context: 409ne Weight: 24.86g
Special find no: 2400 Stratigraphic Phase: XCII	Context: 366 Weight: 13.65g	Special find no: 6631 Stratigraphic Phase: LXXXVIII	Context: 426ne Weight: 23.91g
Special find no: 2914 Stratigraphic Phase: XCII	Context: 367sw Weight: 37.42g	Special find no: 8254 Stratigraphic Phase: LXXXVIII	Context: 426 Weight: 2.97g
Special find no: 2939 Stratigraphic Phase: XCII	Context: 367sw Weight: 17.37g	Special find no: 6763 Stratigraphic Phase: LXXXVII	Context: 437ne Weight: 22.67g
Special find no: 5024 Stratigraphic Phase: XCII	Context: 367sw Weight: 5.54g	Special find no: 5376 Stratigraphic Phase: LXXXVII	Context: 441ne Weight: 21.51g
Special find no: 2916 Stratigraphic Phase: XCII	Context: 367sw Weight: 13.57g	Special find no: 6737 Stratigraphic Phase: LXXXVII	Context: 448sw Weight: 24.58g
Special find no: 5948 Stratigraphic Phase: XCII	Context: 367sw Weight: 33.83g	Special find no: 5268 Stratigraphic Phase: LXXXVI	Context: 376nw Weight: 29.15g
Special find no: 5452 Stratigraphic Phase: XCI	Context: 385se Weight: 14.47g	Special find no: 6742 Stratigraphic Phase: LXXXVI	Context: 457sw Weight: 7.7g
Special find no: 5308 Stratigraphic Phase: XCI	Context: 386nw Weight: 13.79g	Special find no: 6781 Stratigraphic Phase: LXXXVI	Context: 457sw Weight: 26.88g
Special find no: 6229 Stratigraphic Phase: XCI	Context: 386nw Weight: 16.78g	Special find no: 15037 Stratigraphic Phase: LXXXV	Context: 407 Weight: 6.12g
Special find no: 6262 Stratigraphic Phase: XCI	Context: 386nw Weight: 17.94g	Special find no: 8261 Stratigraphic Phase: LXXXI	Context: 467nw Weight: 3.92g
Special find no: 6296 Stratigraphic Phase: XCI	Context: 386nw Weight: 18.89g	Special find no: 15044 Stratigraphic Phase: LXXXIII	Context: 605ne Weight: 8.69g
Special find no: 6298 Stratigraphic Phase: XCI	Context: 386nw Weight: 3.17g	Special find no: 15045 Stratigraphic Phase: LXXXIII	Context: 605ne Weight: 13.95g
Special find no: 6561 Stratigraphic Phase: XCI	Context: 403ne Weight: 35.94g	Special find no: 15046 Stratigraphic Phase: LXXXIII	Context: 605ne Weight: 41.83g
Special find no: 6539 Stratigraphic Phase: XCI	Context: 404 Weight: 23.42g	Special find no: 15107 Stratigraphic Phase: LXXXIII	Context: 632ne Weight: 42.54g
Special find no: 6443 Stratigraphic Phase: XCI	Context: 406sw Weight: 10.74g	Special find no: 8266 Stratigraphic Phase: LXXXI	Context: 467 Weight: 12.24g
Special find no: 6491 Stratigraphic Phase: XCI	Context: 406sw Weight: 26.93g	Special find no: 8455 Stratigraphic Phase: LXXXI	Context: 467 Weight: 13.48g
Special find no: 6490 Stratigraphic Phase: XCI	Context: 416ne Weight: 24.68g	Special find no: 8256 Stratigraphic Phase: LXXXI	Context: 469se Weight: 43.42g
Special find no: 5961 Stratigraphic Phase: XCI	Context: 424nw Weight: 2.06g	Special find no: 6819 Stratigraphic Phase: LXXXI	Context: 470nw Weight: 28.49g
Special find no: 5442 Stratigraphic Phase: XCI	Context: 425sw Weight: 4.38g	Special find no: 8257 Stratigraphic Phase: LXXXI	Context: 470 Weight: 7.09g

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Special find no: 6856 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 27.27g	Special find no: 10058 Stratigraphic Phase: LXXI	Context: 607se Weight: 63.91g
Special find no: 8453 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 3.09g	Special find no: 15056 Stratigraphic Phase: LXXI	Context: 607 Weight: 44.51g
Special find no: 8457 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 11.03g	Special find no: 15061 Stratigraphic Phase: LXXI	Context: 607 Weight: 19.79g
Special find no: 7074 Stratigraphic Phase: LXXX	Context: 495ne Weight: 42.78g	Special find no: 10030 Stratigraphic Phase: LXX	Context: 606 Weight: 39.49g
Special find no: 8213 Stratigraphic Phase: LXXX	Context: 495 Weight: 23.75g	Special find no: 10077 Stratigraphic Phase: LXX	Context: 616ne Weight: 66.82g
Special find no: 15638 Stratigraphic Phase: LXXVI	Context: 503ne Weight: 42.64g	Special find no: 10109 Stratigraphic Phase: LXX	Context: 616se Weight: 43.24g
Special find no: 15968 Stratigraphic Phase: LXXVI	Context: 503ne Weight: 21.5g	Special find no: 15081 Stratigraphic Phase: LXX	Context: 616se Weight: 9.27g
Special find no: 7239 Stratigraphic Phase: LXXVI	Context: 509sw Weight: 21.43g	Special find no: 15872 Stratigraphic Phase: LXX	Context: 616se Weight: 2.27g
Special find no: 8823 Stratigraphic Phase: LXXVI	Context: 510 Weight: 16.42g	Special find no: 15078 Stratigraphic Phase: LXVIII	Context: 615 Weight: 23.95g
Special find no: 7212 Stratigraphic Phase: LXXVI	Context: 511ne Weight: 4.48g	Special find no: 15643 Stratigraphic Phase: LXVIII	Context: 615 Weight: 23.41g
Special find no: 8212 Stratigraphic Phase: LXXVI	Context: 511 Weight: 6.22g	Special find no: 15644 Stratigraphic Phase: LXVIII	Context: 615 Weight: 26.10g
Special find no: 8452 Stratigraphic Phase: LXXV	Context: 489 Weight: 2.64g	Special find no: 15647 Stratigraphic Phase: LXVIII	Context: 615 Weight: 22.90g
Special find no: 8263 Stratigraphic Phase: LXXV	Context: 490sw Weight: 6.42g	Special find no: 15932 Stratigraphic Phase: LXVIII	Context: 615nw Weight: 12.92g
Special find no: 8459 Stratigraphic Phase: LXXV	Context: 490sw Weight: 5.35g	Special find no: 10171 Stratigraphic Phase: LXVII	Context: 665nw Weight: 23.84g
Special find no: 8468 Stratigraphic Phase: LXXV	Context: 490sw Weight: 14.97g	Special find no: 16512 Stratigraphic Phase: LXV	Context: 717 Weight: 6.16g
Special find no: 8016 Stratigraphic Phase: LXXV	Context: 492se Weight: 4.9g	Special find no: 16163 Stratigraphic Phase: LXV	Context: 735ne Weight: 48.03g
Special find no: 8107 Stratigraphic Phase: LXXV	Context: 492 Weight: 22.78g	Special find no: 16162 Stratigraphic Phase: LXIV	Context: 698nw Weight: 22.46g
Special find no: 7220 Stratigraphic Phase: LXXV	Context: 493se Weight: 10.17g	Special find no: 16164 Stratigraphic Phase: LXIV	Context: 698nw Weight: 5.41g
Special find no: 7115 Stratigraphic Phase: LXXV	Context: 494ne Weight: 94.52g	Special find no: 15870 Stratigraphic Phase: LXII	Context: 714se Weight: 23.12g
Special find no: 10146 Stratigraphic Phase: LXXIII	Context: 635nw Weight: 18.35g	Special find no: 16033 Stratigraphic Phase: LXII	Context: 714sw Weight: 19.06g
Special find no: 15863 Stratigraphic Phase: LXXIII	Context: 635 Weight: 7.24g	Special find no: 16355 Stratigraphic Phase: LX	Context: 767ne Weight: 13.14g
Special find no: 10049 Stratigraphic Phase: LXXII	Context: 601 Weight: 50.01g	Special find no: 16357 Stratigraphic Phase: LX	Context: 767ne Weight: 5.82g
Special find no: 15902 Stratigraphic Phase: LXXII	Context: 602ne Weight: 10.02g	Special find no: 10324 Stratigraphic Phase: XLVII	Context: 791ne Weight: 7.16g
Special find no: 15937 Stratigraphic Phase: LXXII	Context: 659 Weight: 10.42g	Special find no: 16615 Stratigraphic Phase: XLVII	Context: 791nw Weight: 31.38g
Special find no: 15999 Stratigraphic Phase: LXXII	Context: 659se Weight: 64.65g	Special find no: 16349 Stratigraphic Phase: XLVII	Context: 791nw Weight: 34.66g
Special find no: 16009 Stratigraphic Phase: LXXII	Context: 659 Weight: 6.79g	Special find no: 16345 Stratigraphic Phase: XXXVIII	Context: 856 Weight: 49.66g

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Special find no: 10304 Stratigraphic Phase: XXXVII	Context: 834nw Weight: 7.13g
Special find no: 16516 Stratigraphic Phase: XXXVII	Context: 834sw Weight: 28.65g
Special find no: 16514 Stratigraphic Phase: XXXV	Context: 837se Weight: 9.15g
Special find no: 16545 Stratigraphic Phase: XXXV	Context: 837nw Weight: 8.51g
Special find no: 16546 Stratigraphic Phase: XXXV	Context: 837nw Weight: 23.25g
Special find no: 16562 Stratigraphic Phase: XXXIII	Context: 880se Weight: 7.58g
Special find no: 16550 Stratigraphic Phase: XXXIII	Context: 880se Weight: 10.23g
Special find no: 16563 Stratigraphic Phase: XXXIII	Context: 880se Weight: 10.69g
Special find no: 16681 Stratigraphic Phase: XXXII	Context: 914se Weight: 54.08g
Special find no: 10423 Stratigraphic Phase: XXX	Context: 961se Weight: 84.36g
Special find no: 10431 Stratigraphic Phase: XXX	Context: 961se Weight: 30.49g
Special find no: 16671 Stratigraphic Phase: XXX	Context: 961 Weight: 11.99g
Special find no: 16753 Stratigraphic Phase: XXX	Context: 961se Weight: 19.79g
Special find no: 16756 Stratigraphic Phase: XXX	Context: 961se Weight: 16.21g
Special find no: 10555 Stratigraphic Phase: XXVIII	Context: 977se Weight: 14.26g
Special find no: 16770 Stratigraphic Phase: XXVIII Comments: Two nail shafts.	Context: 977nw Weight: 12.46g
Special find no: 16808 Stratigraphic Phase: XXVIII	Context: 977sw Weight: 23.21g
Special find no: 16809 Stratigraphic Phase: XXVIII	Context: 977sw Weight: 19.63g
Special find no: 16813 Stratigraphic Phase: XXVIII	Context: 977nw Weight: 10.63g
Special find no: 16819 Stratigraphic Phase: XXVIII	Context: 977nw Weight: 14.76g
Special find no: 17073 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 12.07g
Special find no: 17173 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 17.78g
Special find no: 17179 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 9.16g
Special find no: 17181 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 27.95g
Special find no: 17182 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 35.71g
Special find no: 17193 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 13.86g

Special find no: 17198 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 16.42g
Special find no: 17202 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 12.43g
Special find no: 17204 Stratigraphic Phase: XXVIII	Context: 977 Weight: 17.65g
Special find no: 17208 Stratigraphic Phase: XXVIII	Context: 977 Weight: 28.21g
Special find no: 17210 Stratigraphic Phase: XXVIII	Context: 977 Weight: 23.74g
Special find no: 17211 Stratigraphic Phase: XXVIII	Context: 977 Weight: 19.21g
Special find no: 17461 Stratigraphic Phase: XVIII	Context: 1175 Weight: 9.18g
Special find no: 16905 Stratigraphic Phase: XXVI	Context: 1101se Weight: 48.62g
Special find no: 16906 Stratigraphic Phase: XXVI	Context: 1101se Weight: 11.7g
Special find no: 16908 Stratigraphic Phase: XXVI	Context: 1101se Weight: 36.86g
Special find no: 17501 Stratigraphic Phase: XVII	Context: 1382 Weight: 4.5g

### 3.2.24 Other objects

This category contains iron objects the exact classification of which is uncertain. It includes modified and composite bars and sheets, such as clench plates. No comment as to the periodization of these objects has been attempted, as they probably had very different functions.

Special find no: 6337 Stratigraphic Phase: XCV Comments: Large triangular object.	Context: 396se Weight: 444.4g
Special find no: 852 Stratigraphic Phase: XCV Dimensions: Large bar measures 4.8 x 0.9cm, small bar measures 0.7 x 1.6cm. Comments: Two bars penetrate.	Context: 88ne Weight: 8.87g
Special find no: 725 Stratigraphic Phase: XCV Dimensions: Square is 3cm. Comments: Lump, square on one side, rounded on others. Use unknown.	Context: 197 Weight: 13.41g
Special find no: 791 Stratigraphic Phase: XCIII Dimensions: 4.5 x 3.5cm. Comments: L shape, use unknown. One bar tapers to a point.	Context: 200sw Weight: 21.2g
Special find no: 5940 Stratigraphic Phase: XCIII Dimensions: Radius 6cm. Comments: Two fragments making a circle, C in cross-section, mouth on inside.	Context: 388sw Weight: 70.55g
Special find no: 2975 Stratigraphic Phase: XCII Dimensions: Overall shape is 4.9 x 3.2 cm. Bars are 0.6 and 0.8cm thick. Comments: Candlestick? Two bars IL in shape.	Context: 365nw Weight: 27.1g
Special find no: 5447 Stratigraphic Phase: XCI	Context: 386nw Weight: 8.8g

Comments: Rectangular sheet, broken one end, round at the other.  
Circular hole near round end.

Special find no: 6504 Context: 406sw  
Stratigraphic Phase: XCI Weight: 53.02  
Dimensions: Object measures 4.9 x 1.3cm, the mushroom-headed  
nail is 2.2mm.  
Comments: Bar with nail through – probably a bracket.

Special find no: 6674 Context: 416ne  
Stratigraphic Phase: XCI Weight: 33.5g  
Dimensions: 7.1 x 2.1cm.  
Comments: Incomplete cylinder.

Special find no: 6683 Context: 416ne  
Stratigraphic Phase: XCI Weight: 41.84g  
Dimensions: Complete object measures 5.9 x 2.3cm, overall shaft is  
0.6cm.  
Comments: Clench plate and nail.

Special find no: 6661 Context: 426ne  
Stratigraphic Phase: LXXXVIII Weight: 29.07g  
Dimensions: Complete object measures 4.7 x 2.2cm, shaft is 0.7cm.  
Comments: Clench plate and nail.

Special find no: 15936 Context: 659  
Stratigraphic Phase: LXXII Weight: 23.12g  
Dimensions: Largest fragment is 4 x 2.5 x 0.3cm, nail is 0.7cm  
diameter and is broken at one end.  
Comments: Two sheet fragments, each has a rivet.

Special find no: 10068 Context: 607se  
Stratigraphic Phase: LXXI Weight: 11.72g  
Dimensions: Radius 1cm.  
Comments: Incomplete sheet bent at one end to go round pole, also  
round nail hole.

Special find no: 15055 Context: 607  
Stratigraphic Phase: LXXI Weight: 31.88g  
Dimensions: 4.8 x 2.8 x 1cm.  
Comments: Two pieces of sheet, major piece is broken at one end.  
It is C-shaped in cross-section with a wood pseudomorph inside  
with a nail at the unbroken rounded end. The other piece is  
similar, no nail, it has only one unbroken edge.  
[Fig. 3.3]

Special find no: 15050 Context: 606se  
Stratigraphic Phase: LXX Weight: 35.14g  
Dimensions: 4.3 x 1.4cm, hole is 0.4cm in diameter.  
Comments: Rectangular bar with a circular hole in the middle for a  
nail?

Special find no: 10115 Context: 616se  
Stratigraphic Phase: LXX Weight: 174.55g  
Dimensions: 15.5 x 2.71 x 1.58cm  
Comments: Large bar tapers to a point at either end. Use unknown  
– similar to sf 10264.

Special find no: 15875 Context: 616se  
Stratigraphic Phase: LXX Weight: 6.35g  
Dimensions: The plate measures 2.5cm long, maximum length is  
1.8cm.  
Comments: Nail with clench plate, semicircle at one end, diamond  
at the other.  
[Fig. 3.3]

Special find no: 10236 Context: 714sw  
Stratigraphic Phase: LIV Weight: 196.32g  
Dimensions: 9.45 x 6.09 x 0.73cm  
Comments: Incomplete, very corroded large disc.

Special find no: 10264 Context: 714sw  
Stratigraphic Phase: LIV Weight: 195.78g  
Dimensions: 15.5 x 3.83 x 1.63cm  
Comments: Large bar tapers to a point at either end, unknown use.  
Similar to sf 10115.

Special find no: 16015 Context: 714sw  
Stratigraphic Phase: LIV Weight: 36.32g  
Dimensions: 2.2 x 1 x 3cm, hole is 0.7cm diameter.  
Comments: Bar, rectangle cross-section, rounded at one end with a  
round hole.

Special find no: 15994 Context: 729sw  
Stratigraphic Phase: LIII Weight: 11.44g  
Dimensions: 6.7 x 1.1cm x 0.95cm  
Comments: Bar, bent around to make circle and then back on itself.

Special find no: 15995 Context: 729sw  
Stratigraphic Phase: LIII Weight: 109.41g  
Dimensions: 5 x 4.5 x 15cm.  
Comments: Rounded bar, bent around, probably the hinge of a tool  
like shears or tongs.  
[Fig. 3.3]

Special find no: 10294 Context: 772sw  
Stratigraphic Phase: XLII Weight: 936.29g  
Dimensions: 20 x 5 x 4 x 0.75cm.  
Comments: Halberd? Complete in two pieces, two phalanges wrap  
the shaft completely. Very rusty.

Special find no: 16803 Context: 964  
Stratigraphic Phase: XXXII Weight: 35.2g  
Dimensions: 6.7 x 1.1cm.  
Comments: Rectangular sheet with bar into the middle.

Special find no: 10425 Context: 961se  
Stratigraphic Phase: XXX Weight: 29.02g  
Dimensions: 3.73 x 2.04 x 0.35cm  
Comments: Blade fragment or sheet?

Special find no: 16907 Context: 1101se  
Stratigraphic Phase: XXVI Weight: 23.55g  
Dimensions: 6.1 x 0.7cm.  
Comments: Complete shallow triangular object, unknown purpose.

Special find no: 17392 Context: 1172se  
Stratigraphic Phase: XXII Weight: 67.1g  
Dimensions: 6.7 x 1.1cm.  
Comments: Bar with wine bottle neck and hole at end.

### 3.2.25 Unidentifiable fragments

The following objects were so badly fragmented or  
corroded that no function of the piece can be determined.  
As we are unclear as to their function, we have not  
carried out any phased assessment of the objects.

Special find no: 99 Context: 26  
Stratigraphic Phase: CIV Weight: 2.64g

Special find no: 919 Context: 25ne  
Stratigraphic Phase: XCVII Weight: 1.06g

Special find no: 241 Context: 56nw  
Stratigraphic Phase: XCV Weight: 6.45g

Special find no: 1456 Context: 87sw  
Stratigraphic Phase: XCV Weight: 8.35g

Special find no: 5187 Context: 325ne  
Stratigraphic Phase: XCV Weight: 10.21g

Special find no: 1991 Context: 343nw  
Stratigraphic Phase: XCV Weight: 9.25g

Special find no: 2659 Context: 356ne  
Stratigraphic Phase: XCV Weight: 79.66g

Special find no: 5684 Context: 411sw  
Stratigraphic Phase: XCV Weight: 97.85g

Special find no: 37 Context: 15  
Stratigraphic Phase: CXI Weight: 2.64g

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Special find no: 6332 Stratigraphic Phase: XCI	Context: 386 Weight: 8.7g	Special find no: 16011 Stratigraphic Phase: LXXII	Context: 659se Weight: 7.36g
Special find no: 5934 Stratigraphic Phase: XCI	Context: 404ne Weight: 2.79g	Special find no: 15049 Stratigraphic Phase: LXX	Context: 606se Weight: 3.98g
Special find no: 5434 Stratigraphic Phase: XCI	Context: 406sw Weight: 0.87g	Special find no: 10085 Stratigraphic Phase: LXX Comments: Unknown object part of corroded mass which includes two fragments of an axe.	Context: 616se Weight: 166.08g
Special find no: 6558 Stratigraphic Phase: XCI	Context: 425sw Weight: 14.65g	Special find no: 15083 Stratigraphic Phase: LXX	Context: 616se Weight: 3.05g
Special find no: 15682 Stratigraphic Phase: LXXXVIII	Context: 409nw Weight: 5.78g	Special find no: 15877 Stratigraphic Phase: LXX	Context: 616se Weight: 1.28g
Special find no: 6617 Stratigraphic Phase: LXXXVIII	Context: 426ne Weight: 12.4g	Special find no: 15901 Stratigraphic Phase: LXVIII	Context: 615 Weight: 12.7g
Special find no: 6741 Stratigraphic Phase: LXXXVIII	Context: 445sw Weight: 45.4g	Special find no: 15935 Stratigraphic Phase: LXVI	Context: 663nw Weight: 28.52g
Special find no: 2889 Stratigraphic Phase: LXXXVI	Context: 376nw Weight: 18.2g	Special find no: 16341 Stratigraphic Phase: LXVI	Context: 663ne Weight: 15.64g
Special find no: 2890 Stratigraphic Phase: LXXXVI	Context: 376nw Weight: 18.2g	Special find no: 15934 Stratigraphic Phase: LXIV	Context: 670nw Weight: 11.02g
Special find no: 15036 Stratigraphic Phase: LXXXV	Context: 407ne Weight: 10.91g	Special find no: 16031 Stratigraphic Phase: LXII	Context: 715se Weight: 15.65g
Special find no: 15039 Stratigraphic Phase: LXXXV	Context: 407ne Weight: 2.55g	Special find no: 16356 Stratigraphic Phase: LX	Context: 767ne Weight: 7.99g
Special find no: 15108 Stratigraphic Phase: LXXXIII	Context: 605nw Weight: 6.12g	Special find no: 16499 Stratigraphic Phase: LX	Context: 767 Weight: 76.07g
Special find no: 8264 Stratigraphic Phase: LXXXI	Context: 469se Weight: 2.95g	Special find no: 16017 Stratigraphic Phase: LIV	Context: 714sw Weight: 37.03g
Special find no: 6936 Stratigraphic Phase: LXXXI	Context: 470sw Weight: 2.33g	Special find no: 16518 Stratigraphic Phase: XLVII	Context: 791nw Weight: 7.76g
Special find no: 16338 Stratigraphic Phase: LXXXVI	Context: 503 Weight: 4.49g	Special find no: 16616 Stratigraphic Phase: XLVII	Context: 791nw Weight: 4.63g
Special find no: 8285 Stratigraphic Phase: LXXXVI	Context: 505 Weight: 6.8g	Special find no: 16170 Stratigraphic Phase: XLIII	Context: 787se Weight: 41g
Special find no: 8458 Stratigraphic Phase: LXXV	Context: 490sw Weight: 1.64g	Special find no: 17607 Stratigraphic Phase: XXXVI	Context: 1394ne Weight: 1.13g
Special find no: 5996 Stratigraphic Phase: LXXV	Context: 494ne Weight: 17.75g	Special find no: 16614 Stratigraphic Phase: XXXV	Context: 837se Weight: 26.35g
Special find no: 15041 Stratigraphic Phase: LXXII	Context: 601se Weight: 22.29g	Special find no: 16619 Stratigraphic Phase: XXXII	Context: 894nw Weight: 9.38g
Special find no: 15042 Stratigraphic Phase: LXXII	Context: 601se Weight: 5.42g	Special find no: 10397 Stratigraphic Phase: XXX	Context: 961ne Weight: 19.59g
Special find no: 15043 Stratigraphic Phase: LXXII	Context: 601se Weight: 15.43g	Special find no: 16672 Stratigraphic Phase: XXX	Context: 961 Weight: 39.1g
Special find no: 15971 Stratigraphic Phase: LXXII	Context: 601se Weight: 6.52g	Special find no: 17028 Stratigraphic Phase: XXX	Context: 961ne Weight: 54.55g
Special find no: 15939 Stratigraphic Phase: LXXII	Context: 659 Weight: 1.44g	Special find no: 17055 Stratigraphic Phase: XXX	Context: 977ne Weight: 36.68g
Special find no: 15997 Stratigraphic Phase: LXXII	Context: 659se Weight: 28.84g	Special find no: 17082 Stratigraphic Phase: XXX	Context: 977ne Weight: 6.34g
Special find no: 16008 Stratigraphic Phase: LXXII	Context: 659se Weight: 8.45g	Special find no: 10508 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 4.39g
Special find no: 16010 Stratigraphic Phase: LXXII	Context: 659se Weight: 6.72g		



Special find no: 16771 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 5.26g
Special find no: 16775 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 4.32g
Special find no: 16817 Stratigraphic Phase: XXVIII	Context: 977nw Weight: 6.12g
Special find no: 16831 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 65.8g
Special find no: 16844 Stratigraphic Phase: XXVIII	Context: 977 Weight: 4.04g
Special find no: 16845 Stratigraphic Phase: XXVIII	Context: 977 Weight: 11.78g
Special find no: 16847 Stratigraphic Phase: XXVIII	Context: 977 Weight: 4.56g
Special find no: 17172 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 32.04g
Special find no: 17174 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 17.78g
Special find no: 17178 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 34.21g
Special find no: 17187 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 6.43g
Special find no: 17190 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 8.75g
Special find no: 17191 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 26.28g
Special find no: 17192 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 0.77g
Special find no: 17227 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 0.91g
Special find no: 17213 Stratigraphic Phase: XXVIII	Context: 977 Weight: 1.23g
Special find no: 17278 Stratigraphic Phase: XXVIII	Context: 977sw Weight: 33.23g
Special find no: 17325 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 5.7g
Special find no: 17327 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 6.07g
Special find no: 17356 Stratigraphic Phase: XXVIII	Context: 977se Weight: 12.9g
Special find no: 17358 Stratigraphic Phase: XXVIII	Context: 977se Weight: 22.27g
Special find no: 16904 Stratigraphic Phase: XXVI	Context: 1101se Weight: 14.24g
Special find no: 17359 Stratigraphic Phase: XXIII	Context: 1125se Weight: 2.92g
Special find no: 17394 Stratigraphic Phase: XXII	Context: 1172se Weight: 2.97g
Special find no: 17395 Stratigraphic Phase: XXII	Context: 1172se Weight: 16.92g
Special find no: 17271 Stratigraphic Phase: XIX	Context: 1292se Weight: 8.1g

Special find no: 17403 Stratigraphic Phase: XVII	Context: 1391se Weight: 20.47g
Special find no: 17485 Stratigraphic Phase: XVII	Context: 1483sw Weight: 17.56g
Special find no: 17573 Stratigraphic Phase: XV	Context: 1451 Weight: 2.41g
Special find no: 17612 Stratigraphic Phase: XIII	Context: 1544nw Weight: 1.22g
Special find no: 17486 Stratigraphic Phase: XII	Context: 1496nw Weight: 6.15g
Special find no: 17568 Stratigraphic Phase: X	Context: 1615 Weight: 1.2g
Special find no: 17575 Stratigraphic Phase: VIII	Context: 1616 Weight: 2.35g

### 3.3 Copper-alloy objects

Fifteen categories of copper-alloy objects were identified: bells, kohl sticks, stamp seals, rings, vessels, petal decoration, mirror, stupa umbrella (?), nails, pins/styli, wire, sheets, bars, unidentified objects and unidentified fragments (see Table 3.3). The earliest copper-alloy objects were two fragments of sheeting and three lengths of wire in period J. In the following period – I – rings, vessels, nails and bars are found, while period G sees an expansion of artefact categories with the first bells, kohl sticks, mirrors, petal decoration and possible stupa umbrella. The categories are further widened by the addition of a stamp seal in period F; in addition this period has a large number of votive objects found in the foundations of the pillared hall.

#### 3.3.1 Bells

Bells appear to be fairly long-lived archaeological phenomena. A single example was found at the Iron Age urn cemetery at Pomparippu and a further three at the mediaeval Alahana Parivena at Polonnaruwa (Begley 1981: 81; Prematilleke 1982b: 58, 63; 1985: 105). None of the four was illustrated, so it is impossible to attempt to differentiate chronological indicators in style or form. Two bells were recovered from Maski (Thapar 1957: 114–15). One, four-sided and conical, dated to between AD 0 and AD 200 and the other, a rattle with slit and double loop for suspension, from the mediaeval period (*ibid.*). Parallels to the latter have also been identified at Arikamedu, dating to the second century AD (Wheeler 1946: 103–104), and at Brahmagiri (Wheeler 1948: 268). However, the five bells recovered from trench ASW2 were limited to younger contexts dating to between the first century BC and the middle of the first millennium AD. Special find 1757 was recovered from context 318, the fill of a robber pit cut during stratigraphic phase XCV; sf 1475 was recovered from context 200, the foundations of the classic Anuradhapura-period pillared hall; and sfs 6541, 6290 and 6804 were recovered from the foundations of structures dating to structural period G. They all consist of a rounded sheet of copper alloy pierced by a rod for hanging. A further example was recovered from one of the test pits by the Citadel's southern gate (Ueyama and Nozaki 1993: 66–67). It

appears that the majority of the examples from ASW2 belong to Leshnik's Category VI Class B1. He states that such jingles have been in use from the Chalcolithic to the present day but that only one example is known from the 'megalithic' burial sites (Leshnik 1974: 185).

Special find no: 1757 Context: 318se  
Stratigraphic Phase: XCV Weight: 2.47g  
Dimensions: 2 x 1cm and 2 x 1cm  
Comments: Bell almost complete, missing bead and part of chamber. Hook is a loop square cross-section, chamber is a sphere with a long oval crack, loop is perpendicular to length of chamber (sphere is not perfect).  
[Plate 3.3; Fig. 3.4]

Special find no: 6290 Context: 386nw  
Stratigraphic Phase: XCI Weight: 2.91g  
Dimensions: 1 x 0.7cm  
Comments: Bell almost complete, missing half of handle and bead. Sheet bent into flattened ball with square looped handle.  
[Fig. 3.4]

Special find no: 1475 Context: 200sw  
Stratigraphic Phase: XCIII Weight: 2.7g  
Dimensions: 1 x 2cm  
Comments: Probably a fragment of a bell, only the handle survives totally. It is a square cross-section rod bent round and possibly joined to itself. The base of this was possibly welded to the oval-shaped bell, which only survives near the join.  
[Plate 3.3; Fig. 3.4]

Special find no: 6804 Context: 437se  
Stratigraphic Phase: LXXXVII Weight: 2.68g  
Dimensions: 2 x 1.5cm  
Comments: Bell complete, including bead. Sheet bent into flattened ball with square looped handle.  
[Fig. 3.4]

Special find no: 6541 Context: 409  
Stratigraphic Phase: LXXXVIII Weight: 2.35g  
Dimensions: 4 x 4 x 3.4cm. The sheet is 0.1cm thick.  
Comments: Sheet bent into a flattened ball; it is in several pieces and is possibly a bell.

### 3.3.2 Kohl sticks

All three kohl sticks from ASW2 were found in structural phase G5, which dates to the first century AD. Special find 6347 was found on paving 403, sf 6178 in collapse 385 and sf 2891 in levelling 375. In technical terms they consist of a rounded bar with widened and rounded ends. Deraniyagala recovered one example, with 'buds' on both ends, from stratum 4B at the Gedige site (Deraniyagala 1972: 145–6) which is dated to between the second century BC and the first century AD (idem 1992: 715). At least one and possibly further examples were recovered from the excavations at Pomparippu (Begley 1981: 81). In the most complete example a 'bud' had been formed at one end and a slight point at the other (ibid.). Three similar objects with a 'bud' at one or both ends have been found at Sirkap, Taxila, in pre-Structural and Phase IV levels (Ghosh 1948: 78). A further example from Atranjikhara, 'budded' at both ends, was dated to Period IV Phase D (c. 200–50 BC) (Gaur 1983: 444).

Special find no: 6347 Context: 403  
Stratigraphic Phase: XCI Weight: 2.48g  
Dimensions: Diameters of 0.3cm at the ends and 0.15cm in the middle.  
Comments: Kohl stick. Two bulbous ends. Broken but complete.  
[Plate 3.3; Fig. 3.4]

Special find no: 6178 Context: 385se  
Stratigraphic Phase: XCI Weight: 3.86g  
Dimensions: 6.3cm long with diameters of 0.4cm at ends and 0.2cm in middle  
Comments: Kohl stick, two bulbous ends. Broken but complete.  
[Plate 3.3; Fig. 3.4]

Special find no: 2891 Context: 375nw  
Stratigraphic Phase: LXXXVIII Weight: 3.71g  
Dimensions: 5.8cm long and 0.3cm wide  
Comments: Kohl stick, gradual taper, rounded at large end, possible break at other end.  
[Plate 3.3]

### 3.3.3 Stamp seal

Only one example of a stamp seal, sf 676, was recovered from ASW2. It was found within the packing of pillar 364, part of period F's pillared hall, and is assumed to be part of 364's votive deposits. It consists of a rounded bar or cylinder welded onto the back of a square plate.

Special find no: 676 Context: 194nw  
Stratigraphic Phase: XCIII Weight: 5g  
Dimensions: The square is 2.6cm and 2.4cm high  
Comments: Stamp seal? Complete except for a corner. It has a square head tapering to a circular shaft with a tiny bump at the end which is too small to be a casting raiser. The square has marks of working, but is smooth on the larger scale. The cylinder is crudely worked and was possibly welded to the back.  
[Plate 3.4; Fig. 3.4]

### 3.3.4 Rings

Three of the nine rings were recovered from the foundations of the pillared hall, while the remainder – with the exception of sf 5938 – were recovered from old land surfaces within periods G, H and I. All but two (sfs 5938 and 2850) appear to have been made from gently rounded bars rather than being cast. Some fragments of a copper-alloy object, tentatively identified as a ring, were recovered from one of the urn burials at Pomparippu (Begley 1981: 80).

Special find no: 5938 Context: 334ne  
Stratigraphic Phase: XCV Weight: 0.61g  
Dimensions: 2 x 1cm  
Comments: Finger ring fragment, D-shaped loop. Only part of loop and face survive – approximately a quarter. The face is decorated, the design is raised above the base, it was probably cast, not carved. The design has an outer border, two lines perpendicular to the loop, a complicated symbol partially survives.  
[Fig. 3.4]

Special find no: 2857 Context: 374nw  
Stratigraphic Phase: XCIII Weight: 10.36g  
Dimensions: 2.2 x 1 x 1cm  
Comments: Bar slight curve, very chunky for ring (similar curve)!

Special find no: 2850 Context: 364ne  
Stratigraphic Phase: XCII Weight: 3.52g  
Dimensions: 2.1cm diameter  
Comments: Wire finger ring twisted to form face.  
[Plate 3.5; Fig. 3.4]

Special find no: 2873 Context: 364ne  
Stratigraphic Phase: XCII Weight: 5g  
Dimensions: 3 x 2 x 1cm  
Comments: Complete ring. The shaft has a D cross-section. The face is oval and flat.  
[Plate 3.5; Fig. 3.4]

Special find no: 2791 Context: 365nw  
Stratigraphic Phase: XCII Weight: 3g  
Dimensions: Radius 1cm  
Comments: Bar, possibly a ring. Circular cross-section. 16% survives.

Special find no: 6993 Context: 487ne  
Stratigraphic Phase: LXXXI Weight: 0.62g  
Dimensions: Diameter is 2cm, thickness of bar 2 x 1cm.  
Comments: Finger ring or bent bar. They are not joined; it is not a perfect circle. The cross-section is rectangular and the edges are well rounded.

Special find no: 10204 Context: 670sw  
Stratigraphic Phase: LXIV Weight: 6.5g  
Dimensions: Outer diameter 2.2cm, inner diameter 1.1cm.  
Comments: Very chunky ring. The cross-section is D-shaped.

Special find no: 16750 Context: 961se  
Stratigraphic Phase: XXX Weight: 8.98g  
Dimensions: 2.3cm long and 0.6cm in diameter.  
Comments: Bar slightly curved, could be a finger ring?

Special find no: 16828 Context: 977se  
Stratigraphic Phase: XXVIII Weight: 5g  
Dimensions: 3 x 1 x 0.5cm.  
Comments: Bar curves slightly – possible ring.

### 3.3.5 Vessels

Four copper-alloy objects were recovered from trench ASW2. Sf 1631 was found in the fills of a period D robber pit; sf 2774 was recovered from one of the pillars of the period F structure; sf 10147 was recovered from the fill of phase G2 pit 636; and sf 16159 was recovered from old land surface 729, into which were cut the foundations of structural period I8. Sf 16159 is of particular importance as it bears a 'laurel leaves' decoration with clear Graeco-Roman affinities.

Special find no: 1631 Context: 284nw  
Stratigraphic Phase: CXV Weight: 4.86g  
Dimensions: Under 1cm, approximately 14cm radius.  
Comments: Slightly curved bowl fragment? Possibly has a pimple pattern under the corrosion.

Special find no: 2774 Context: 358se  
Stratigraphic Phase: XCIII Weight: 98g  
Dimensions: 26 x 6cm  
Comments: A bowl in 64 significant pieces. The radius is about 6cm, 26 out of 38cm of the circumference survive. Five pieces have a design which cannot be made out. One piece appears to have a patch. It is so corroded and fragmentary that no overall design can be made out. The rim is rounded at the edge but not in any way bent to make a lip.

Special find no: 10147 Context: 634nw  
Stratigraphic Phase: LXIX Weight: 0.47g  
Dimensions: 2.8cm  
Comments: Rim piece of a vessel, approximately 2.8cm or 17% of the circumference survives. It was angled at 70° to the horizontal.

Special find no: 16159 Context: 729sw  
Stratigraphic Phase: LIII Weight: 11.92g  
Dimensions: The radius of the bowl was 5.5cm and approximately 11% of the rim survives.  
Comments: Rim fragment of bowl? The rim is decorated on one side with 'laurel leaves'; there is a heavy iron stain on the other side as if the bowl were of iron.  
[Fig. 3.4]

### 3.3.6 Petal decoration

This fragment is a single example of what may have been an inlaid or applied decorative plaque on a wooden box

or chest. It was recovered from within old land surface 601.

Special find no: 10108 Context: 601  
Stratigraphic Phase: LXXII Weight: 5g  
Dimensions:  
Comments: Disc like a flower face with twelve petals. Each petal has a ridge all around, quite corroded. No visible marks from a join on the back; it is in two pieces which have been joined.  
[Plate 3.4; Fig. 3.5]

### 3.3.7 Mirror

Although this is only a fragment, it seems likely that it represents part of a mirror. It consists of a rounded copper-alloy bar joined onto the back of a rounded copper-alloy sheet. It falls into Leshnik's Category VII Type A tanged circular mirror and has parallels at Taxila and also at Adichanallur (Leshnik 1974: 186). Leshnik suggests that it may be dated to the centuries bracketing the turn of the era and that Marshall favoured a Western origin (ibid.). It was recovered from within foundation 616.

Special find no: 15086 Context: 616se  
Stratigraphic Phase: LXX Weight: 5g  
Dimensions: Internal diameter is 1cm, external 2cm.  
Comments: Incomplete mirror? Semi-circular C shape with a broken sheet on the inside.  
[Plate 3.5; Fig. 3.5]

### 3.3.8 Stupa umbrella

The full identification of this object is extremely difficult. It consists of three discs evenly spaced around a circular bar. It may represent the umbrella of a votive stupa (*chatravaliya*) or perhaps even a handle designed to be inlaid with bone or antler. It was recovered from phase G2 pit 636.

Special find no: 10137 Context: 634nw  
Stratigraphic Phase: LXIX Weight: 5g  
Dimensions: 5.5cm long and 2.5cm diameter.  
Comments: Handle (inlay missing?) or votive stupa umbrella. Circular cross-section bar with three discs around it, evenly spaced. The bar protrudes at one end. Some corrosion is visible.  
[Plate 3.6; Fig. 3.5]

### 3.3.9 Nails

Two copper-alloy nails were recovered from period I at ASW2. It is assumed that they had a decorative, rather than a structural function. Two copper-alloy nails were also recovered during the excavations at Building A (Paranavitana 1936: 10).

Special find no: 10498 Context: 977ne  
Stratigraphic Phase: XXVIII Weight: 4.27g  
Dimensions: 3.2cm long and the head is 1cm in diameter.  
Comments: Complete round-headed nail.  
[Fig. 3.5]

Special find no: 16833 Context: 977  
Stratigraphic Phase: XXVIII Weight: 5g  
Dimensions: 3.8cm long.  
Comments: Bar, possibly nail. Uncertain cross-section.

### 3.3.10 Pin, or possibly stylus

A single pin, formed out of a wire length, was recovered from one of the pillar supports of the period F structure.

Two similar slender copper-alloy objects, identified as pins, were recovered from Pomparippu (Begley 1981: 81). One had a rounded section and tapered to a point at one end and a serrated fan shape at the other, while the other object also tapered to a point at one end and a triangle at the other (*ibid.*).

Special find no: 472                      Context: 158nw  
Stratigraphic Phase: XCV              Weight: 0.5g  
Dimensions: 6cm long and 0.2cm diameter.  
Comments: Wire piece, possibly a pin?

### 3.3.11 Wire pieces

Twelve lengths of copper-alloy wire were recovered from the trench between periods F and J. Sf 2994 was recovered from the foundations of the pillared hall; sfs 6464 and 5282 from the collapse of the phase G5 structure; sfs 15030 and 8113 from the foundations of structural phase G4; sf 15868 from phase I8 pit fill 714; sf 10269 from period I old land surface 729; sfs 10326 and 16543 from period I old land surfaces 837 and 850; sf 10655 from phase J4 well fill 1292; sf 10673 from phase J3 pit fill 1382; and sf 10689 from period J old land surface 1496. A similar 6.5cm long fragment of copper-alloy wire was recovered from Stratum 3A of the Anuradhapura Gedige site (Deraniyagala 1972: 145), which has been dated chronometrically to either between the eighth and fifth centuries BC or between the fourth and second centuries BC (*idem* 1992: 717–18).

Special find no: 2994                      Context: 365nw  
Stratigraphic Phase: XCII              Weight: 0.28g  
Dimensions: 2cm long and 0.2cm diameter.

Special find no: 6464                      Context: 416ne  
Stratigraphic Phase: XCI                Weight: 2.81g  
Dimensions: 5.2 x 0.2 x 0.2cm  
Comments: Circular cross-section bar.

Special find no: 5282                      Context: 376nw  
Stratigraphic Phase: LXXXVI          Weight: 1.44g  
Dimensions: 2.6 x 0.2 x 0.2cm  
Comments: Square cross-section. Diagonal cuts on both ends.

Special find no: 15030                    Context: 605ne  
Stratigraphic Phase: LXXXIII          Weight: 0.8g  
Dimensions: 0.4cm diameter.

Special find no: 8113                      Context: 495  
Stratigraphic Phase: LXXX              Weight: 5.66g  
Dimensions: 0.4cm diameter.

Special find no: 15868                    Context: 714se  
Stratigraphic Phase: LIV                Weight: 0.15g  
Dimensions: 0.1cm diameter.

Special find no: 10269                    Context: 729sw  
Stratigraphic Phase: LIII                Weight: 0.52g  
Dimensions: 0.2cm diameter.

Special find no: 10326                    Context: 837sw  
Stratigraphic Phase: XXXV              Weight: 10.53g  
Dimensions: Irregular 0.3–0.4cm diameter.

Special find no: 16543                    Context: 850ne  
Stratigraphic Phase: XL                 Weight: 1.76g  
Dimensions: 0.2cm diameter.

Special find no: 10655                    Context: 1292se  
Stratigraphic Phase: XIX                Weight: 14.02g  
Dimensions: 0.3cm diameter.

Special find no: 10673                    Context: 1382sw  
Stratigraphic Phase: XVII                Weight: 15.11g  
Dimensions: 0.4cm diameter.

Special find no: 10689                    Context: 1496se  
Stratigraphic Phase: XII                 Weight: 8.2g  
Dimensions: 15.6 x 0.2 x 0.2cm.

### 3.3.12 Sheet fittings

Thirty fragments of sheet fittings were found at ASW2 during periods B to J. Some may well have been part of composite objects or small tools manufactured from sheets, however their current state makes their function impossible to assess. While some of the sheets were undoubtedly decorative, the majority of the fragments were formless. Some pieces have small rivet holes and may have been attached to leather or wood, some may have been part of vessels and others C-sectioned bindings. It is also possible that some of the very small fragments of thin sheet may represent broken coins.

Special find no: 389                        Context: 5  
Stratigraphic Phase: CXII                Weight: 0.1g  
Comments: Rolled sheet object – handle?  
[Fig. 3.5]

Special find no: 63                        Context: 14  
Stratigraphic Phase: CII                 Weight: 0.1g  
Comments: Very small; bent into shallow C.

Special find no: 630                        Context: 56  
Stratigraphic Phase: XCV                Weight: 0.1g  
Comments: Very small.

Special find no: 2001                      Context: 56  
Stratigraphic Phase: CXV                Weight: 0.5g  
Comments: Very corroded.

Special find no: 2833                      Context: 373nw  
Stratigraphic Phase: CXV                Weight: 6g  
Comments: Very corroded strip, unsure if edges are deliberate. One is definitely not.

Special find no: 5446                      Context: 73sw  
Stratigraphic Phase: XCIII                Weight: 4.8g  
Comments: Incomplete sheet, two sides are deliberately folded back. The folded piece is cut to an unusual pointed shape.

Special find no: 5984                      Context: 304  
Stratigraphic Phase: XCIII                Weight: 4g

Special find no: 6797                      Context: 444ne  
Stratigraphic Phase: LXXXVII          Weight: 0.54g  
Comments: Two sheet, no original edges.

Special find no: 15114                    Context: 605  
Stratigraphic Phase: LXXXIII          Weight: 2g

Special find no: 25002                    Context: 469  
Stratigraphic Phase: LXXXI              Weight: 4.75g  
Comments: Sheet with intentional edges tapered, with a possible rivet at one end.

Special find no: 6916                      Context: 487ne  
Stratigraphic Phase: LXXXI              Weight: 8.03g  
Comments: Four small sheets.

Special find no: 6999                      Context: 487ne  
Stratigraphic Phase: LXXXI              Weight: 9.23g  
Comments: Small sheet.

Special find no: 15090 Context: 630  
Stratigraphic Phase: LXXVI Weight: 3.7g  
Comments: Small sheet without edges.

Special find no: 15684 Context: 659  
Stratigraphic Phase: LXXII Weight: 6g

Special find no: 10101 Context: 601  
Stratigraphic Phase: LXXII Weight: 2.5g

Special find no: 15065 Context: 601  
Stratigraphic Phase: LXXII Weight: 2.58g

Special find no: 15027 Context: 602  
Stratigraphic Phase: LXXII Weight: 4.5g  
Comments: Rectangular sheets.

Special find no: 15987 Context: 607  
Stratigraphic Phase: LXXI Weight: 2.1g  
Comments: Two sheets.

Special find no: 10081 Context: 616  
Stratigraphic Phase: LXX Weight: 4g  
Comments: Triangular sheet with two cut edges.

Special find no: 15103 Context: 615  
Stratigraphic Phase: LXVIII Weight: 3g  
Comments: Very corroded.

Special find no: 15104 Context: 615  
Stratigraphic Phase: LXVIII Weight: 3g  
Comments: Very corroded.

Special find no: 15105 Context: 615  
Stratigraphic Phase: LXVIII Weight: 2g  
Comments: Small sheet without edges.

Special find no: 10175 Context: 675ae  
Stratigraphic Phase: LXVII Weight: 1.64g  
Comments: Three layers of sheet.

Special find no: 15803 Context: 714se  
Stratigraphic Phase: LIV Weight: 0.64g  
Comments: Small sheet without edges.

Special find no: 10315 Context: 834se  
Stratigraphic Phase: XXXVII Weight: 5.14g  
Comments: Very corroded complete sheet.

Special find no: 10565 Context: 977  
Stratigraphic Phase: XXVIII Weight: 14.95g  
Comments: Incomplete rectangular sheet with circular hole punched at one end.

Special find no: 10572 Context: 977  
Stratigraphic Phase: XXVIII Weight: 6.45g  
Comments: Fragmentary rectangular sheet.

Special find no: 17062 Context: 977nw  
Stratigraphic Phase: XXVIII Weight: 2.54g  
Comments: Fragmentary rectangular sheet.

Special find no: 10621 Context: 1172se  
Stratigraphic Phase: XXII Weight: 0.37g  
Comments: Thick, triangular sheet.

Special find no: 10688 Context: 1496nw  
Stratigraphic Phase: XII Weight: 1.84g  
Comments: Very corroded sheet without edges.

### 3.3.13 Bars

Twenty-eight copper-alloy bars were recovered from the trench and they represent the heaviest category of identified copper-alloy object. Some of the artefacts below may well have been part of composite objects or

small tools manufactured from bars, however their current state makes their function impossible to assess.

Special find no: 2328 Context: 325ne  
Stratigraphic Phase: XCV Weight: 0.87g  
Dimensions: 2.2 x 0.3cm  
Comments: Bent to L shape.

Special find no: 5989 Context: 327ne  
Stratigraphic Phase: XCV Weight: 6.46g  
Dimensions: 2.8 x 4cm – too corroded for thickness.  
Comments: Two bars.

Special find no: 2731 Context: 368nw  
Stratigraphic Phase: XCV Weight: 1.48g  
Dimensions: 3.3cm long and 0.7cm wide.  
Comments: Bar loop at one end.

Special find no: 2995 Context: 365nw  
Stratigraphic Phase: XCII Weight: 0.47g  
Dimensions: 1.8 x 0.3cm  
Comments: Bar tapers slightly.

Special find no: 6077 Context: 325nw  
Stratigraphic Phase: XCII Weight: 20.84g  
Dimensions: 4 x 0.3 x 2.2 x 0.8cm  
Comments: Triangular bar.

Special find no: 2905 Context: 367sw  
Stratigraphic Phase: XCII Weight: 4.4g  
Dimensions: 2cm long and 0.8cm diameter.  
Comments: Rounded bar.

Special find no: 6366 Context: 409nw  
Stratigraphic Phase: LXXXVIII Weight: 3.69g  
Dimensions: 2.2, 2 and 1.6cm long.  
Comments: Three bars.

Special find no: 16168 Context: 450nw  
Stratigraphic Phase: LXXXVII Weight: 10.68g  
Dimensions: 0.7cm diameter.  
Comments: Incomplete bar with circular cross-section.

Special find no: 10154 Context: 605nw  
Stratigraphic Phase: LXXXIII Weight: 69.01g  
Dimensions: 5.71 x 2.92cm  
Comments: Very corroded

Special find no: 15022 Context: 605  
Stratigraphic Phase: LXXXIII Weight: 15g  
Comments: L-shaped bar, square cross-section, one branch is broken, the bar tapers.

Special find no: 6979 Context: 467nw  
Stratigraphic Phase: LXXXI Weight: 4.05g  
Dimensions: 2.3 x 1 x 0.6cm  
Comments: Bar with red bead in corrosion.

Special find no: 15101 Context: 615  
Stratigraphic Phase: LXVIII Weight: 3g  
Dimensions: 2.2 x 0.3cm  
Comments: Small rectangular bar.

Special find no: 16791 Context: 964  
Stratigraphic Phase: XXXII Weight: 5.76g  
Dimensions:  
Comments: Bar in six pieces. Very corroded.

Special find no: 16768 Context: 997nw  
Stratigraphic Phase: XXXI Weight: 9.72g  
Dimensions: 1.2 x 1.7 x 1cm.  
Comments: Squarish corroded bar.

Special find no: 10451 Context: 961se  
Stratigraphic Phase: XXX Weight: 4.44g  
Dimensions: 4.51cm  
Comments: L-shaped bar with circular cross-section. Fresh breaks at both corners. Deliberate corners.

Special find no: 10454  
Stratigraphic Phase: XXX  
Dimensions: 4.5cm  
Comments: Bar in four pieces.

Context: 961nw  
Weight: 14.01g

Special find no: 10455  
Stratigraphic Phase: XXX  
Dimensions: 2.3 x 0.8 x 0.3cm  
Comments: Bar tapers slightly and joins to bar 16749.

Context: 961sw  
Weight: 5.02g

Special find no: 16749  
Stratigraphic Phase: XXX  
Dimensions: 5.95cm  
Comments: Bar joins to tapering bar 10455. Complete object is T-shaped.

Context: 961se  
Weight: 42.39g

Special find no: 16836  
Stratigraphic Phase: XXX  
Dimensions: 1.8cm long and 0.3cm wide.

Context: 961nw  
Weight: 1.52g

Special find no: 10376  
Stratigraphic Phase: XXX  
Dimensions: 5.5cm long and 0.8cm wide in the centre.  
Comments: Very corroded bar, tapers at the ends.

Context: 962nw  
Weight: 138.98g

Special find no: 10516  
Stratigraphic Phase: XXVIII  
Dimensions: Cross-section 0.4–0.5cm.  
Comments: Incomplete fresh break. Circular cross-section, possible textile pseudomorph.

Context: 977  
Weight: 4.2g

Special find no: 16793  
Stratigraphic Phase: XXVIII  
Dimensions: 2.2 x 0.8 x 1cm.  
Comments: Bar fragment, square cross-section.

Context: 977  
Weight: 4.52g

Special find no: 16839  
Stratigraphic Phase: XXVIII  
Dimensions: 1.5 x 1 x 1cm.  
Comments: Very corroded. Square cross-section.

Context: 977ne  
Weight: 4.84g

Special find no: 10467  
Stratigraphic Phase: XXVII  
Comments: Four bars of differing sizes. Round cross-sections.

Context: 977ne  
Weight: 67.13g

Special find no: 10501  
Stratigraphic Phase: XXVII  
Dimensions: 3 x 1.3 x 1.5cm  
Comments: Bar slightly curved. Uncertain cross-section.

Context: 977  
Weight: 4.56g

Special find no: 10609  
Stratigraphic Phase: XXIV  
Dimensions: 3cm long and 0.3cm diameter.  
Comments: Bar two pieces, very corroded. Round cross-section.

Context: 1128se  
Weight: 8.66g

Special find no: 10627  
Stratigraphic Phase: XXIII  
Dimensions: 2.5 x 1.5 x 1cm.  
Comments: Bar, rounded in one dimension at one end, square cross-section.

Context: 1125se  
Weight: 13.18g

### 3.3.14 Unidentified objects

This category contains artefacts the exact classification of which is uncertain. It includes modified and composite bars and sheets.

Special find no: 2944  
Stratigraphic Phase: XCIII  
Comments: White-metalled copper-alloy object.

Context: 304ne  
Weight: 3.14g

Special find no: 2840  
Stratigraphic Phase: XCII  
Comments: Decorated strip. The decoration is punched and of several lines. The first line was later cut along the line. The second line is complete. The third line was probably corrected as it has a shallow Y shape, one branch of which is short. The fourth line has

Context: 364ne  
Weight: 3.5g

been cut across later. It was a decorated piece that was later cut up for re-use.  
[Plate 3.6]

Special find no: 5456  
Stratigraphic Phase: XCII  
Dimensions: 2cm long, 1.1 and 0.9cm in diameter. The sheet is 0.1cm thick and the strips are 0.3cm wide and 0.1cm thick.  
Comments: Cylinder made with a bent sheet, with some overlap, amount not determinable. Four strips were wrapped around it. There is no surviving evidence of a weld and only two of the strips survive – there is otherwise completion.

Context: 389  
Weight: 4.45g

Special find no: 6660  
Stratigraphic Phase: XCI  
Dimensions: 1.6 x 1.7cm. The sheet is 0.2cm thick.  
Comments: Thick sheet bent to be concave/convex. One corner is sharp. It looks like a cushion or oil lamp?

Context: 416  
Weight: 5.5g

Special find no: 25020  
Stratigraphic Phase: XCI  
Dimensions: 0.5 x 0.6 x 0.1cm  
Comments: Washer? A small square sheet with a central circular hole of 0.2cm. Ridge around hole from fabricator.

Context: 426  
Weight: 2g

Special find no: 4120  
Stratigraphic Phase: LXXXVI  
Comments: Tube, broken at one end, rounded in the middle and flared at end.

Context: 376  
Weight: 4.5g

Special find no: 5942  
Stratigraphic Phase: LXXXI  
Dimensions: 2cm long and 0.5cm diameter.  
Comments: Bar with circular cross-section. Slightly bent, was probably joined to something at either end.

Context: 470  
Weight: 3.7g

Special find no: 15685  
Stratigraphic Phase: LXIV  
Dimensions: It is 2.4–2.7cm in diameter, the hole is 1.2cm in diameter and the sheet is 0.2cm thick.  
Comments: Disc with a hole in the middle. The edge of the hole was attached to a cylinder, but it has broken close to the disc. A weld line is visible on the inside of the cylinder. Possibly vessel foot or rim.

Context: 670  
Weight: 7.5g

Special find no: 16902  
Stratigraphic Phase: XXXVI  
Dimensions: 3.76 x 0.74cm  
Comments: Tube, very corroded. Breaks at either end. There are two circular holes at right angles. They do not continue through to the other side.

Context: 1106ne  
Weight: 3.02g

Special find no: 16751  
Stratigraphic Phase: XXX  
Dimensions: 1.28 x 0.5cm

Context: 961ne  
Weight: 2.6g

### 3.3.15 Unidentified fragments

The following objects were so badly fragmented or corroded that no function of the piece can be determined.

Special find no: 59  
Stratigraphic Phase: CX  
Context: 19sw  
Weight: 0.82g

Special find no: 38  
Stratigraphic Phase: CVI  
Context: 9  
Weight: 6.5g

Special find no: 659  
Stratigraphic Phase: XCIX  
Context: 187  
Weight: 4g

Special find no: 134  
Stratigraphic Phase: XCVI  
Context: 43  
Weight: 0.2g

Special find no: 420  
Stratigraphic Phase: XCV  
Context: 141  
Weight: 0.1g

Special find no: 1582  
Stratigraphic Phase: XCV  
Context: 263nw  
Weight: 1.01g

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Special find no: 2330 Stratigraphic Phase: XCV	Context: 325ne Weight: 0.98g	Special find no: 6769 Stratigraphic Phase: LXXXVII	Context: 437ne Weight: 1.87g
Special find no: 6114 Stratigraphic Phase: XCV	Context: 326 Weight: 2g	Special find no: 16169 Stratigraphic Phase: LXXXVII	Context: 450nw Weight: 14.06g
Special find no: 6117 Stratigraphic Phase: XCV	Context: 326 Weight: 0.1g	Special find no: 6778 Stratigraphic Phase: LXXXVI	Context: 457sw Weight: 0.94g
Special find no: 6121 Stratigraphic Phase: XCV	Context: 326 Weight: 0.15g	Special find no: 15986 Stratigraphic Phase: LXXXIV	Context: 693 Weight: 0.97g
Special find no: 2413 Stratigraphic Phase: XCV	Context: 373nw Weight: 2g	Special find no: 10023 Stratigraphic Phase: LXXXIII	Context: 605 Weight: 2g
Special find no: 2814 Stratigraphic Phase: XCV Comments: unidentified fragment with wood pseudomorph.	Context: 373nw Weight: 4.5g	Special find no: 15020 Stratigraphic Phase: LXXXIII	Context: 605 Weight: 2g
Special find no: 6354 Stratigraphic Phase: XCV	Context: 401 Weight: 3g	Special find no: 15021 Stratigraphic Phase: LXXXIII	Context: 605 Weight: 6.5g
Special find no: 15983 Stratigraphic Phase: XCV	Context: 600 Weight: 0.06g	Special find no: 15028 Stratigraphic Phase: LXXXIII	Context: 605 Weight: 19.5g
Special find no: 2060 Stratigraphic Phase: XCIII	Context: 304ne Weight: 4g	Special find no: 15029 Stratigraphic Phase: LXXXIII	Context: 605ne Weight: 1.26g
Special find no: 2061 Stratigraphic Phase: XCIII	Context: 304ne Weight: 3.5g	Special find no: 15109 Stratigraphic Phase: LXXXIII	Context: 605nw Weight: 164.3g
Special find no: 5977 Stratigraphic Phase: XCIII	Context: 304 Weight: 2g	Special find no: 15112 Stratigraphic Phase: LXXXIII	Context: 605 Weight: 2.65g
Special find no: 5986 Stratigraphic Phase: XCIII	Context: 304 Weight: 1g	Special find no: 15113 Stratigraphic Phase: LXXXIII	Context: 605 Weight: 4.5g
Special find no: 5151 Stratigraphic Phase: XCIII	Context: 370 Weight: 0.2g	Special find no: 15119 Stratigraphic Phase: LXXXIII	Context: 605 Weight: 5.5g
Special find no: 2793 Stratigraphic Phase: XCII	Context: 365nw Weight: 3.5g	Special find no: 15118 Stratigraphic Phase: LXXXIII	Context: 632ne Weight: 2.87g
Special find no: 6132 Stratigraphic Phase: XCII	Context: 366 Weight: 3.5g	Special find no: 25003 Stratigraphic Phase: LXXXI	Context: 469 Weight: 2.5g
Special find no: 2748 Stratigraphic Phase: XCII	Context: 371nw Weight: 3g	Special find no: 25004 Stratigraphic Phase: LXXXI	Context: 469 Weight: 2.5g
Special find no: 6305 Stratigraphic Phase: XCI	Context: 385se Weight: 2.51g	Special find no: 6922 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 7.56g
Special find no: 6291 Stratigraphic Phase: XCI	Context: 386 Weight: 0.18g	Special find no: 6950 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 5.3g
Special find no: 6571 Stratigraphic Phase: XCI	Context: 417 Weight: 4g	Special find no: 6960 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 3.46g
Special find no: 6527 Stratigraphic Phase: XCI	Context: 420 Weight: 7.5g	Special find no: 6970 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 1.07g
Special find no: 6560 Stratigraphic Phase: XCI	Context: 425 Weight: 2.5g	Special find no: 7001 Stratigraphic Phase: LXXXI	Context: 487ne Weight: 3.35g
Special find no: 6597 Stratigraphic Phase: XCI	Context: 425 Weight: 3g	Special find no: 7101 Stratigraphic Phase: LXXX	Context: 495 Weight: 2g
Special find no: 6705 Stratigraphic Phase: XCI	Context: 425 Weight: 4.1g	Special find no: 7104 Stratigraphic Phase: LXXX	Context: 495 Weight: 1g
Special find no: 6518 Stratigraphic Phase: LXXXVIII	Context: 409nw Weight: 3.73g	Special find no: 7230 Stratigraphic Phase: LXXVI	Context: 501ne Weight: 11.18g
Special find no: 6635 Stratigraphic Phase: LXXXVIII	Context: 409 Weight: 3	Special find no: 8470 Stratigraphic Phase: LXXVI	Context: 506 Weight: 3.5g
Special find no: 6602 Stratigraphic Phase: LXXXVIII	Context: 426 Weight: 3g	Special find no: 15089 Stratigraphic Phase: LXXVI	Context: 630 Weight: 3g

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Special find no: 15092 Stratigraphic Phase: LXXVI	Context: 630 Weight: 2g	Special find no: 15985 Stratigraphic Phase: LXVI	Context: 663nw Weight: 1.22g
Special find no: 15094 Stratigraphic Phase: LXXVI	Context: 630 Weight: 3g	Special find no: 16166 Stratigraphic Phase: LXVI	Context: 663nw Weight: 0.77g
Special find no: 15095 Stratigraphic Phase: LXXVI	Context: 630 Weight: 3.2g	Special find no: 15648 Stratigraphic Phase: LXIV	Context: 670rw Weight: 26.06g
Special find no: 15096 Stratigraphic Phase: LXXVI	Context: 630 Weight: 3g	Special find no: 15650 Stratigraphic Phase: LXIV	Context: 670sw Weight: 1.37g
Special find no: 15097 Stratigraphic Phase: LXXVI	Context: 630 Weight: 2.5g	Special find no: 10225 Stratigraphic Phase: LXIV	Context: 698nw Weight: 6.1g
Special find no: 15098 Stratigraphic Phase: LXXVI	Context: 630 Weight: 1g	Special find no: 15805 Stratigraphic Phase: LIV	Context: 707se Weight: 0.28g
Special find no: 15099 Stratigraphic Phase: LXXVI	Context: 630 Weight: 1.5g	Special find no: 10233 Stratigraphic Phase: LIV	Context: 714se Weight: 1.09g
Special find no: 6971 Stratigraphic Phase: LXXV	Context: 489 Weight: 2.5g	Special find no: 10273 Stratigraphic Phase: LIII	Context: 729sw Weight: 0.07g
Special find no: 25007 Stratigraphic Phase: LXXV	Context: 489 Weight: 3.5g	Special find no: 10321 Stratigraphic Phase: XXXVIII	Context: 888sw Weight: 28.66g
Special find no: 7174 Stratigraphic Phase: LXXV	Context: 492se Weight: 25.54g	Special find no: 10325 Stratigraphic Phase: XXXV	Context: 837sw Weight: 14.97g
Special find no: 7216 Stratigraphic Phase: LXXV	Context: 492 Weight: 2g	Special find no: 10382 Stratigraphic Phase: XXXI	Context: 975sw Weight: 0.16g
Special find no: 25005 Stratigraphic Phase: LXXV	Context: 492 Weight: 5.5g	Special find no: 10527 Stratigraphic Phase: XXXI	Context: 997nw Weight: 3.2g
Special find no: 25006 Stratigraphic Phase: LXXV	Context: 492 Weight: 1g	Special find no: 10415 Stratigraphic Phase: XXX	Context: 961se Weight: 2.61g
Special find no: 7097 Stratigraphic Phase: LXXV	Context: 494 Weight: 4.7g	Special find no: 10432 Stratigraphic Phase: XXX	Context: 961se Weight: 1.32g
Special find no: 10159 Stratigraphic Phase: LXXIII	Context: 635nw Weight: 0.68g	Special find no: 16835 Stratigraphic Phase: XXX	Context: 961nw Weight: 2.15g
Special find no: 15640 Stratigraphic Phase: LXXIII	Context: 635 Weight: 1.22g	Special find no: 10525 Stratigraphic Phase: XXVIII Comments: Unidentified fragment with wood pseudomorph.	Context: 977ne Weight: 116.97g
Special find no: 15031 Stratigraphic Phase: LXXII	Context: 601sw Weight: 0.78g	Special find no: 16767 Stratigraphic Phase: XXVIII	Context: 977nw Weight: 3.45g
Special find no: 15068 Stratigraphic Phase: LXXII	Context: 601 Weight: 0.51g	Special find no: 16794 Stratigraphic Phase: XXVIII	Context: 977 Weight: 4.56g
Special find no: 15984 Stratigraphic Phase: LXXII	Context: 602 Weight: 0.64g	Special find no: 16825 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 36.1g
Special find no: 15110 Stratigraphic Phase: LXXII	Context: 643 Weight: 4g	Special find no: 16834 Stratigraphic Phase: XXVIII	Context: 977se Weight: 2.38g
Special find no: 10059 Stratigraphic Phase: LXXI	Context: 607 Weight: 2g	Special find no: 16838 Stratigraphic Phase: XXVIII	Context: 977ne Weight: 16.14g
Special find no: 15087 Stratigraphic Phase: LXX	Context: 616 Weight: 2.5g	Special find no: 17270 Stratigraphic Phase: XXVII	Context: 1115ne Weight: 13.91
Special find no: 15019 Stratigraphic Phase: LXIX	Context: 610 Weight: 3.5g	Special find no: 10581 Stratigraphic Phase: XXVI	Context: 1101sw Weight: 2.39g
Special find no: 15102 Stratigraphic Phase: LXVIII	Context: 615 Weight: 5.5g	Special find no: 16901 Stratigraphic Phase: XXVI	Context: 1101ne Weight: 0.4g
Special find no: 15637 Stratigraphic Phase: LXVIII	Context: 615 Weight: 0.2g	Special find no: 17063 Stratigraphic Phase: XXVI	Context: 1101sw Weight: 1.03g
Special find no: 15635 Stratigraphic Phase: LXVI	Context: 663nw Weight: 2.52g	Special find no: 10621 Stratigraphic Phase: XXII	Context: 1172se Weight: 0.37g



Special find no: 10316	Context: 1174
Stratigraphic Phase: XX	Weight: 5.4g
Special find no: 10614	Context: 1175sw
Stratigraphic Phase: XVIII	Weight: 0.6g
Special find no: 17315	Context: 1175se
Stratigraphic Phase: XVIII	Weight: 0.39g

### 3.4 Gold objects

Only five small fragments of gold were recovered from ASW2 (see Table 3.4). Two were unidentifiable foil fragments, while the remaining three were glass or stone beads wrapped in foil. It is very notable that all the fragments or objects of gold were recovered from the younger part of the sequence. Sf 283 was recovered from old land surface 25 (stratigraphic phase XCVII); sf 673 was recovered from the fills of the robber pits of stratigraphic phase XCV; and sfs 5130, 2795 and 2830 were recovered from the foundations of three of the pillar supports of the classic Anuradhapura-period pillared hall. While the first two finds may well have been re-deposited through the actions of the robber pitting phase, it is probable that sfs 5130, 2795 and 2830 represent part of the votive deposits of the pillared hall.

This small count appears to be similar to the results from the Gedige trench, where a single fragment of foil was identified (Deraniyagala 1972: 143), again dated to the first half of the first millennium AD (ibid.: 160). A single fragment of gold foil was also recovered from the excavations at the Mahapali (Paranavitana 1936: 33). A single fragment of gold leaf and a convex hexagonal gold bead were recovered from period II (Megalithic culture 200 BC-AD 0) at Maski (Thapar 1957: 119), while 30 long cylinder, circular gold beads and 3 disc cylinder, circular gold beads were found in Megalith IX (Wheeler 1948: 264) and part of a gold bangle in Andhra levels at the town site at Brahmagiri (ibid.: 263). A small fragment of gold was also recovered from the underground water conduit site at Sigiriya (Bandaranayake 1989: 59). These latter deposits mainly date to the Kassapan occupation. Beads of gold have also been reported from the megalithic cemetery at Ibbankatuwa, Dambulla (Deraniyagala, pers. comm.).

Special find no: 283                      Context: 25  
Stratigraphic Phase: XCVII              Weight: 5g  
Dimensions: 0.2 x 0.2 x 0.3cm  
Comments: Gold foil over circular stone bead.

Special find no: 673                      Context: 188  
Stratigraphic Phase: XCV                  Weight: 5g  
Comments: Fragment of gold foil.

Special find no: 5130                      Context: 304  
Stratigraphic Phase: XCIII                Weight: 5g  
Comments: Gold foil on glass?

Special find no: 2830                      Context: 358se  
Stratigraphic Phase: XCIII                Weight: 5g  
Comments: Two fragments of gold foil.

Special find no: 2795                      Context: 369se  
Stratigraphic Phase: XCIII                Weight: 2.5g  
Dimensions: 0.2 x 0.2 x 0.3cm  
Comments: Oval gold bead with copper corrosion from copper-alloy square that corroded next to it.

### 3.5 Lead objects

As is clear from Table 3.5, only six objects of lead were recovered from ASW2. With the exception of a single fragment from period A, all the objects were found in period G. Very little lead has been previously recovered from the Citadel. Indeed only a single fragment, possibly of a weight, was found during Paranavitana's excavations at the Anuradhapura-period structures at Building A, between the Gedige and Mahapali (Paranavitana 1936: 10).

#### 3.5.1 Rolled strips

Three tightly rolled lead strips were recovered from the excavation, all within the middle phases of structural period G. Sfs 6908 and 7006 were excavated in old land surface 467-487-470, which had been deposited during stratigraphic phase LXXXI, while sf 7240 was found within limestone paving 509 which had been laid during stratigraphic phase LXXVI. All three may be dated to between the first century BC and the first century AD. Initially we hypothesized, as they had the same dimensions as palm ola leaves, that they might bear inscriptions. This hypothesis was refuted upon investigation. Their purpose is unclear and they may represent nothing more than rolled strips of lead.

Special find no: 6908                      Context: 467aw  
Stratigraphic Phase: LXXXI              Weight: 53.89g  
Dimensions: 3.4 diameter, 0.05 sheet thickness and width of strip 2.7cm  
Comments: Fragments of rolled-up lead strip (28 rotations). No inscriptions could be seen.  
[Fig. 3.5]

Special find no: 7006                      Context: 487ne  
Stratigraphic Phase: LXXXI              Weight: 0.93g  
Comments: Fragments of rolled-up lead strip. No inscriptions could be seen.

Special find no: 7240                      Context: 509sw  
Stratigraphic Phase: LXXVI                Weight: 27.14g  
Dimensions: 2.1cm width  
Comments: Fragments of rolled-up lead strip. No inscriptions could be seen.

#### 3.5.2 Disc

A single thick, round disc of lead was recovered from period G levelling context 605. Its function is unclear.

Special find no: 15047                      Context: 605ne  
Stratigraphic Phase: LXXXIII              Weight: 21.99g  
Dimensions: 1.75 x 1.09cm  
Comments: Thick, round disc.  
[Fig. 3.5]

#### 3.5.3 Sheets

This category contains artefacts which are objects the exact classification of which is uncertain. It includes modified and composite objects. The function of sf 1441 is unclear and it may just be an off-cut.

Special find no: 1441                      Context: 13  
Stratigraphic Phase: CXVII                Weight: 55.68g  
Dimensions: 9 x 9.8cm  
Comments: Sheet broken at one end and one corner, impressed chessboard pattern over the rest, eight columns and at least nine rows.

Special find no: 16844      Context: 630  
Stratigraphic Phase: LXXVI      Weight: 4.04g  
Dimensions: 1.87 x 0.62cm  
Comments: Lead sheet working.

### 3.6 Discussion and conclusion

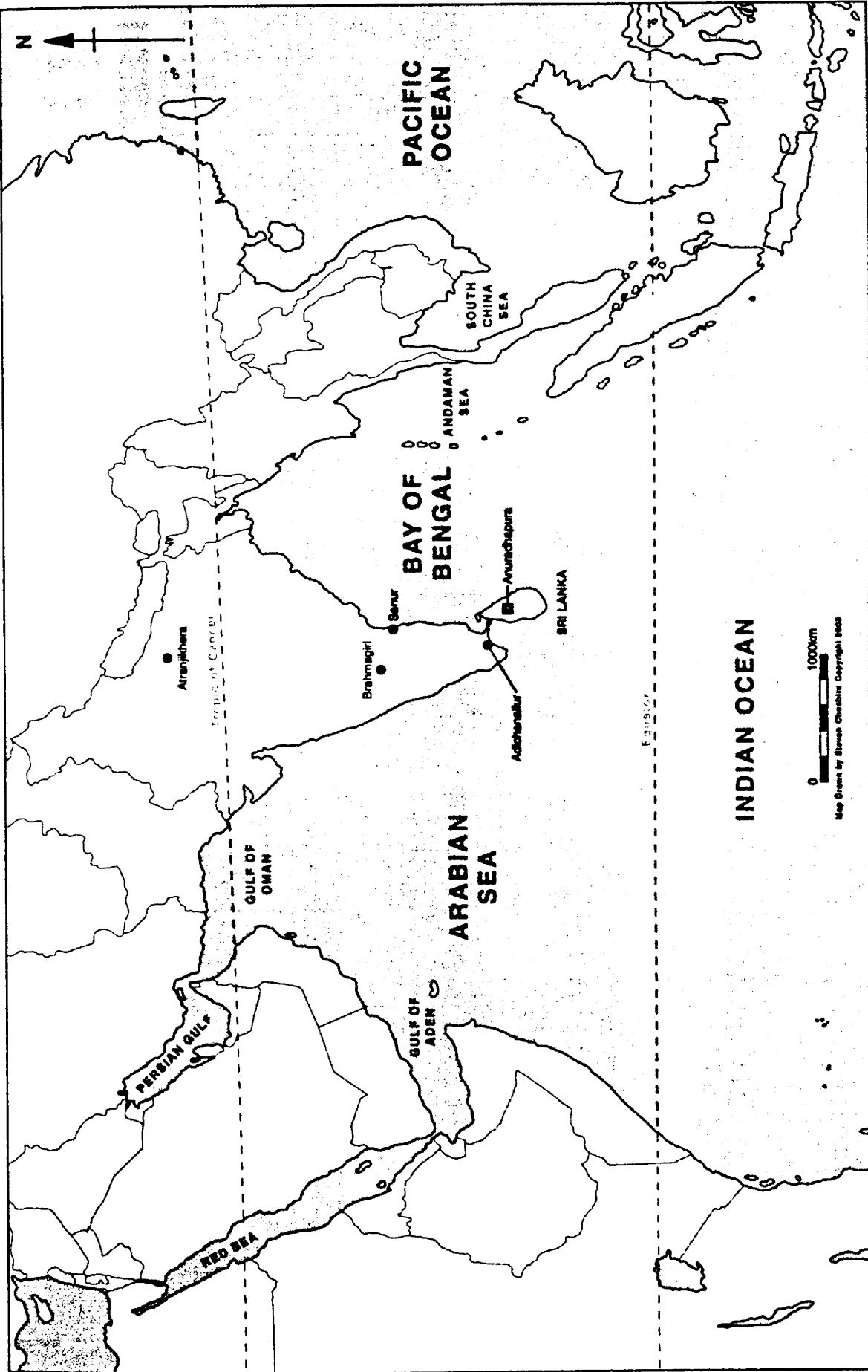
As pointed out in the introduction to this chapter (section 3.1), the iron and indeed the other metal artefacts of Iron Age and Early Historic peninsular India and Sri Lanka are remarkably homogeneous, so that a chronology cannot be based upon typology alone (Deraniyagala 1972: 155). We must add that, as many of the artefacts were found within levelling contexts, their exact stratigraphic origins are unclear. Furthermore the 943 metal objects were recovered from a single trench of 100 square metres in an enormous site of 100 hectares. Where possible we have cited parallel examples of artefact categories, however in most cases those parallels are themselves only relatively dated, thus further reducing the sharpness of the picture. For this reason we have decided to rely on the chronometric dating sequence presented in Volume I, Chapter 6: Dating the Sequence.

Although the early part of ASW2's occupation is parallel in date to the Iron Age 'megalithic' and urn cemeteries, it is interesting to note that most of the iron objects from the latter are very different in form to those from ASW2. At Sanur, for example, the spearheads had noticeably longer blades, measuring up to 100cm in length, and there were also hooked shafts, wedges or celts and daggers (Banerjee and Rajan 1959: 35–7). Similarly, the finds from Brahmagiri – the long-bladed spearheads, daggers, axe heads with iron bands, sickles and celts (Wheeler 1948: 254–60) – are not found at Anuradhapura. This difference may be due to a number of factors, including the possibility that different artefact categories were for use in different contexts. Seneviratne, for example, has pointed out that the typological range and number of metal objects found within 'megalithic' contexts are restricted in comparison to those from habitation sites where a "better produced, sophisticated and wider range of iron implements" is found (Seneviratne 1984: 272). However this is not the case for copper-alloy objects, as a fairly similar collection has been recovered, consisting of beads, bracelets, rods, pins,

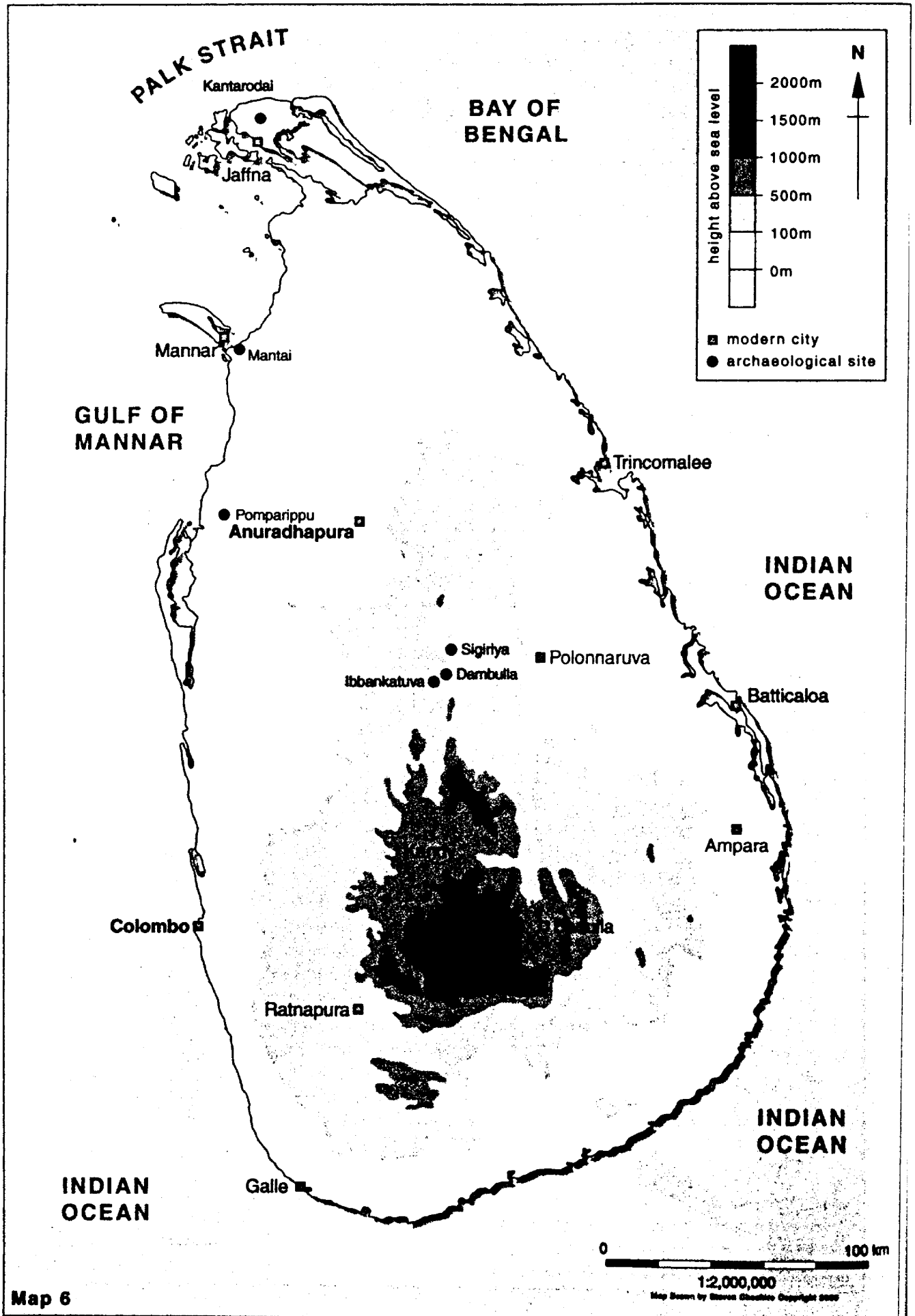
bells and even seals (*ibid.*: 275). This is not to suggest that very different practices are occurring in habitation sites as opposed to burial sites. Indeed, as is developed below in Chapter 11: Human Remains, there is at least one pit which might be classified as Iron Age pit burials. Pit 1371 contained within its four fills (1372, 1382, 1404 and 1483), in addition to four ceramic vessels and a whetstone, four metal objects. These objects were an iron arrowhead (sf 10679), an iron bar (sf 17501), an unidentified iron object (sf 17485) and a length of copper-alloy wire (sf 10673), which possibly represents a bangle. In comparison with the paucity of metal in the urn burials at Pomparippu (Begley 1981: 67), this pit would represent a rich grave!

It is also interesting to note that, while one would expect an explosion of artefact categories occurring at the same time as the appearance in period I of rectangular or square structures and the earliest city defences (see Volume I, Chapter 4: The Fortifications), the majority of I's new artefact categories are structurally related with the appearance of iron collars and nails for example. The major explosion in categories occurs conversely in period G with the first examples of iron bracelets, iron needles, copper-alloy decorative plaques, copper-alloy kohl sticks, copper-alloy mirrors, copper-alloy nails, as well as the first lead objects. This expansion may be explainable by the increase in trade with the rest of the subcontinent and with kingdoms to the west, as indicated by the presence of imports such as Eastern Mediterranean glass (see Chapter 7: Glass Objects), and by locally made ceramics with Graeco-Roman inspired decorations, such as Rouletted ware and Arikamedu type 10 (see Chapter 6: Unglazed Ceramics). Clearly we are seeing a similar pattern within the metal objects. The presence of the copper-alloy mirror fragment (sf 15086), the copper-alloy bowl with 'laurel leaves' decoration (sf 16159), the iron tweezers (sf 17203), and perhaps even the iron saw blades (sfs 8259, 25001, 15063), corresponds to a number of forms which Marshall believed had strong Graeco-Roman affinities. Certainly the chronometric dates for period G (second century BC to second century AD) would make such stylistic, if not physical, links possible.





Map 5



Map 6

Table 3.1 Metal objects

Metal	Period	A	B	C,D & E	F	G	H	I	J	K	Total
Iron	number	1	33	73	65	330	18	176	18	2	716
	weight (g)	30.27	388.97	1809.68	15530.06	15897.61	1295.37	6417.82	283.45	3.55	27679.78
Copper alloy	number		6	21	21	103	5	51	9		216
	weight (g)		11.72	58.59	169.33	615.74	47.53	664.24	46.3		1613.45
Gold	number		1	1	3						5
	weight (g)		5	5	12.5						22.5
Lead	number	1			5						6
	weight (g)	55.68			107.99						163.67
Total	number	2	40	95	94	433	23	227	27	2	943
	weight (g)	85.95	405.69	1873.27	1842.88	16513.35	1342.9	7082.06	329.75	3.55	29479.4

Table 3.2 Iron objects

Category	Period	A	B	C,D&E	F	G	H	I	J	K	Total
Arrowheads	number										
	weight (g)					1		1	1		3
Chains	number					15.62		10.09	17.62		43.33
	weight (g)							2			2
Saw blades	number							11.1			11.1
	weight (g)					3					3
Axes/adzes	number					71.4					71.4
	weight (g)					3	1				4
Spearheads	number					260.13	281.36				641.49
	weight (g)					1					1
Knifeblades	number					20.17					20.17
	weight (g)										9
Wire	number							22.77	67.1		608.34
	weight (g)										2
Cleaverblades	number										1.87
	weight (g)										2
Needles	number					2					2
	weight (g)					473.17					473.17
Pins/styls	number					1					1
	weight (g)					14.01					14.01
Bracelets	number										7
	weight (g)					3		1			46.12
Tweezers	number					19.19		1.02			2
	weight (g)					14.72					88.24
	number					2					2
	weight (g)					88.24					88.24
	number										1
	weight (g)										5

Category	Period	A	B	C,D & E	F	G	H	I	J	K	Total
Other objects	number			3	3	11		9	1		27
	weight (g)			466.68	118.85	448.99		1573.33	67.1		2674.96
Collars	number					40	1	2			43
	weight (g)					3848.86	216.59	71.7			4137.16
Pipe	number					1					1
	weight (g)					1260					1260
Staple	number			1							1
	weight (g)			37.45							37.45
Bars	number		9	10	18	81	5	33	4		160
	weight (g)		130.24	233.29	498.53	4298.53	598.55	1433.07	29.78		7221.99
Sheet fittings	number		1	5	2	35	5	10			58
	weight (g)		29.29	74.88	84.72	1460.88	90.14	236.84			1976.76
Tapering nails	number		1	2	1	8		16			28
	weight (g)		8.47	50.18	26.56	208.52		538.98			832.71
T-shaped nails	number			3	3	9		17	1		33
	weight (g)			109.7	58.37	467.45		762.32	12.37		1410.21
Large head nails	number			1		2		2			5
	weight (g)			12.12		47.8		139.69			199.61
L-shaped nails	number		2	4	2	6					14
	weight (g)		30.62	48.23	29.05	221.59					329.49
Mushroom nails	number			1	1	4					6
	weight (g)			13.86	34.18	135.61					183.65
Nails/hafts/bars	number	1	15	33	33	79	4	43	2		210
	weight (g)	30.27	182.14	520.29	617.53	1696.32	82.06	909.31	13.68		4051.6
Unidentified	number		3	6		34	2	38	8	2	93
	weight (g)		6.34	211.77		516.25	26.67	699.6	75.8	3.55	1639.98



Category	Period	A	B	C, D & E	F	G	H	I	J	K	Total
Total	number	1	33	73	66	330	18	176	18	2	716
	weight (g)	30.27	388.97	1809.68	1553.06	15897.6	1295.37	6417.82	283.45	3.55	27679.78
						1					

Table 3.3 Copper alloy objects

Category	Period	A	B	C,D & E	F	G	H	I	J	K	Total
Bells	number			1	1	1					3
	weight (g)			2.47	2.7	2.35					7.52
Kohl stick	number					3					3
	weight (g)					10.05					10.05
Stamp seal	number				1						1
	weight (g)				5						5
Rings	number			1	3	1	1	2			8
	weight (g)			0.61	18.36	0.62	6.5	13.98			40.07
Vessels	number			1	1	1		1			4
	weight (g)			4.86	98	0.47		11.92			116.25
Petal decoration	number					1					1
	weight (g)					5					5
Mirror	number					1					1
	weight (g)					5					5
Stupa umbrellas	number					1					1
	weight (g)					5					5
Nails	number							2			2
	weight (g)							9.27			9.27
Pine/styl	number			1							1
	weight (g)			0.5							0.5
Unidentified	number				3	4	1	2			10
	weight (g)				11.09	15.7	7.5	5.62			39.91
Wire	number				1	4		4	3		12
	weight (g)				0.28	10.71		12.96	37.33		61.28

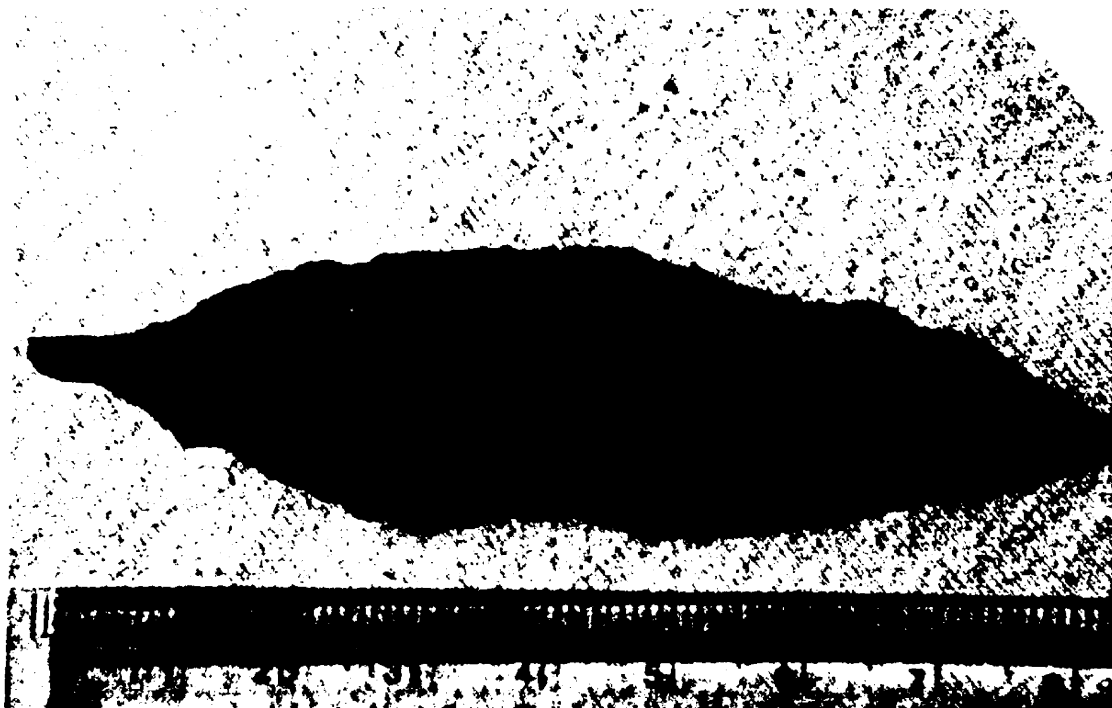
Category	Period	A.	B	C,D & E	F	G	H	I	J	K	Total
<b>Sheets</b>	<i>number</i>		2	3	2	16		5	2		30
	<i>weight (g)</i>		0.2	6.6	8.8	59.57		29.72	2.21		107.1
<b>Bars</b>	<i>number</i>			4	1	6		15			28
	<i>weight (g)</i>			29.65	44	105.43		328.93			468.41
<b>Unidentified frags</b>	<i>number</i>		4	10	8	64	3	20	4		113
	<i>weight (g)</i>		11.52	13.9	20.7	395.84	33.53	251.84	6.76		734.09
<b>Total</b>	<i>number</i>		6	21	21	103	6	51	9		218
	<i>weight (g)</i>		11.72	58.59	169.33	615.74	47.63	664.24	46.3		1613.45

Table 3.4 Gold objects

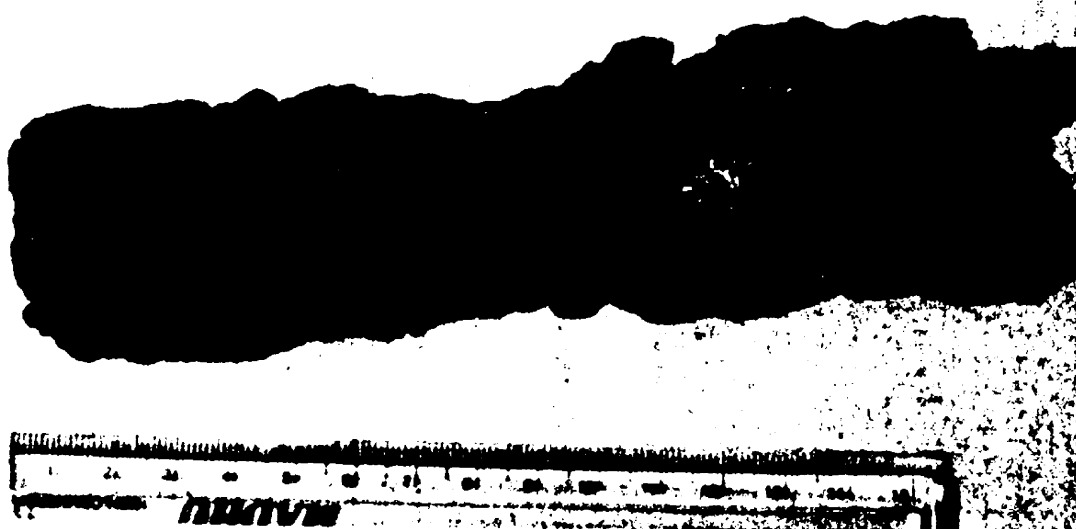
Category	Period	A	B	C,D & E	F	G	H	I	J	K	Total
Foil	number		1	1	3						6
	weight (g)		5	5	12.5						22.5
Total	number		1	1	3						6
	weight (g)		5	6	12.5						22.5

Table 3.5 Lead objects

Category	Period	A	B	C,D & E	F	G	H	I	J	K	Total
Rolled strips	number					3					3
	weight (g)					81.96					91.96
Discs	number					1					1
	weight (g)					21.99					21.99
Sheets	number	1				1					2
	weight (g)	55.68				4.04					59.72
Total	number	1				5					6
	weight (g)	55.68				107.99					163.67



Iron arrowhead (sf 10679)

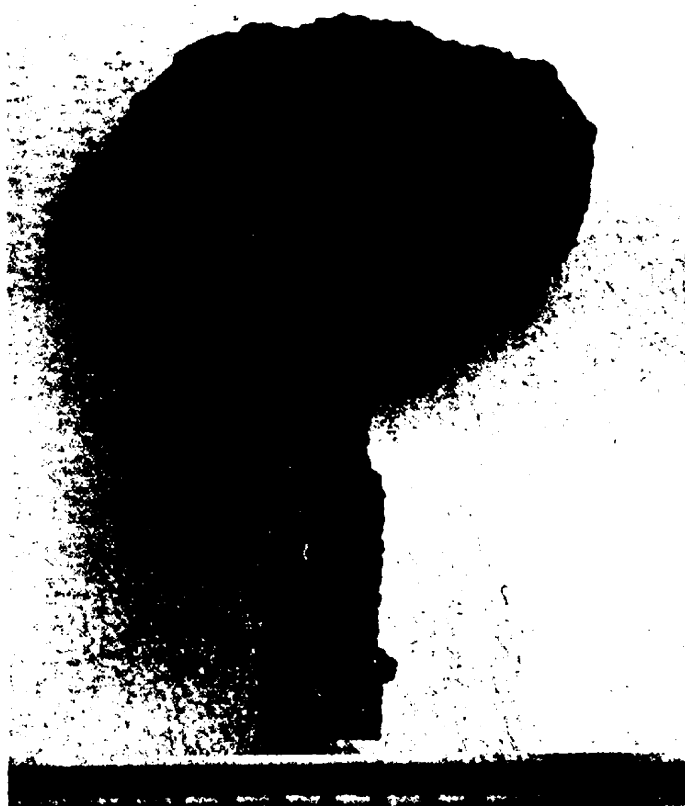


Iron axehead (sf 5373)

*Plate 3.1: Metal objects*



Iron cleaver blade (sf 6670)



Iron collar and bar (sf 10120)

*Plate 3.2: Metal objects*



Copper-alloy bells (sfs 1475 [left] and 1757 [right])

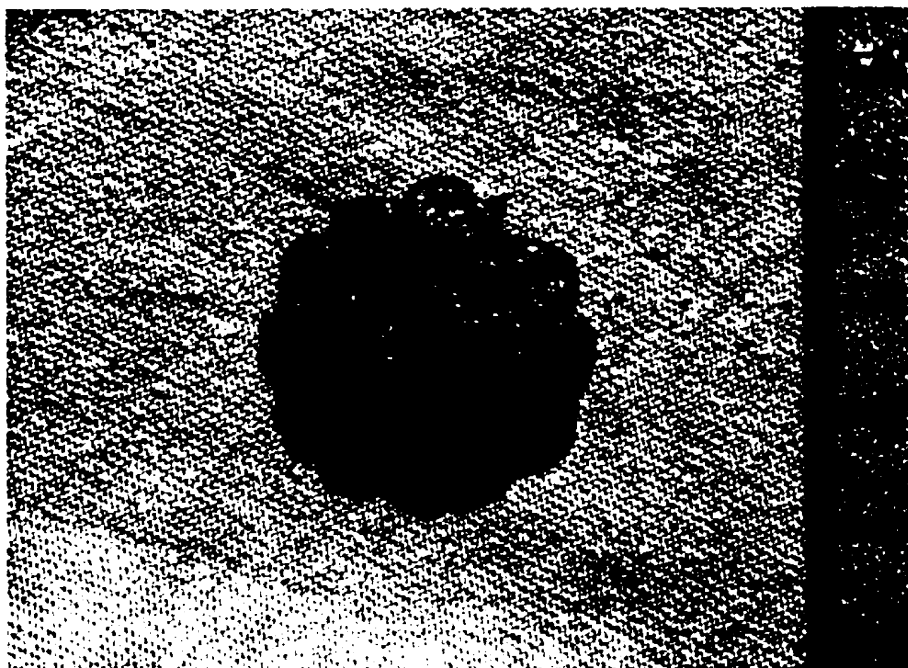


Copper-alloy kohl sticks (sfs 6347 [bottom], 6178 [middle] and 2891 [top])

*Plate 3.3: Metal objects*



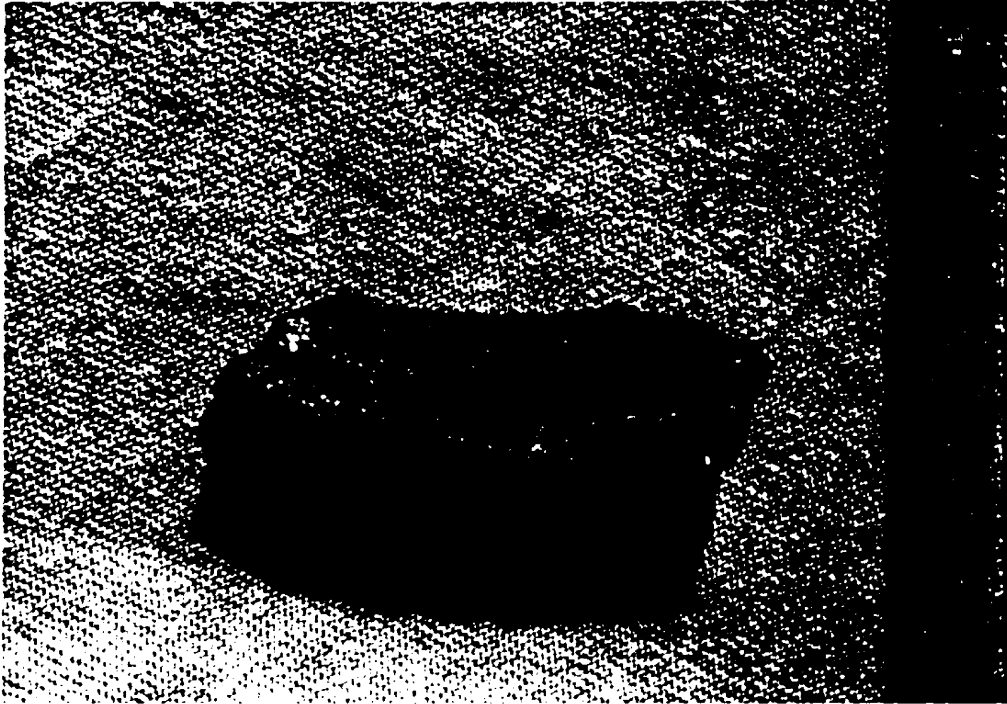
Copper-alloy stamp seal (sf 676)



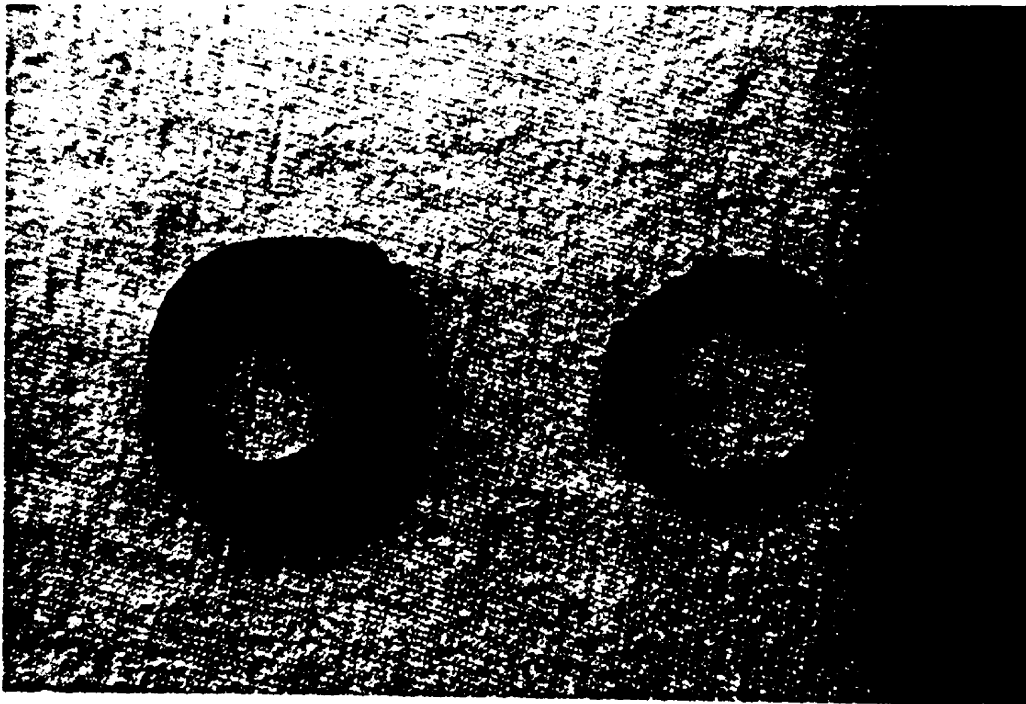
Copper-alloy petal decoration (sf 10108)

*Plate 3.4: Metal objects*





Copper-alloy mirror fragment (sf 15086)

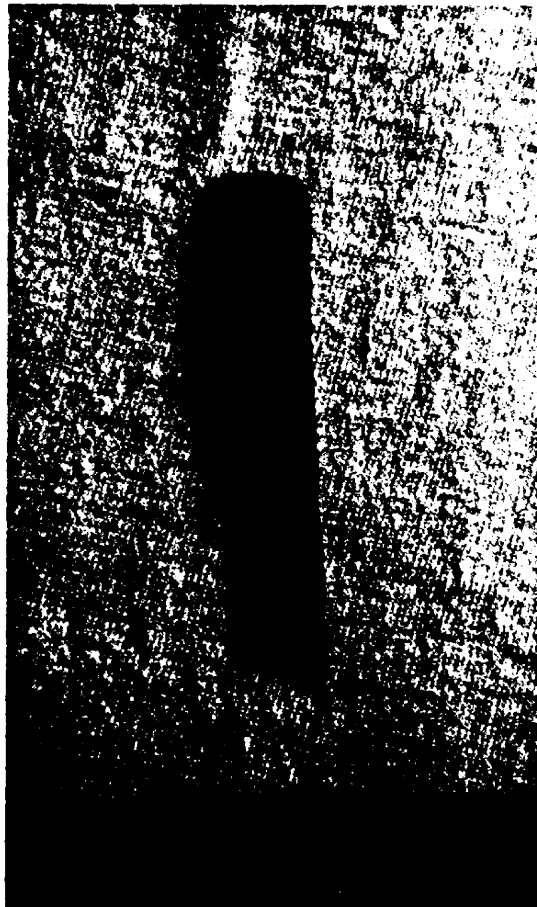


Copper-alloy rings (sfs 2873 [left] and 2850 [right])

*Plate 3.5: Metal objects*



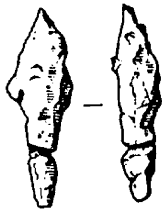
Copper-alloy stupa umbrella or handle (sf 10137)



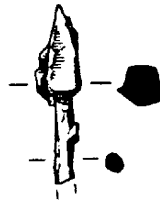
Copper-alloy decorated strip (sf 2840)

*Plate 3.6: Metal objects*

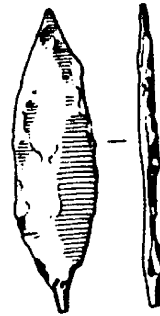
sf 15969



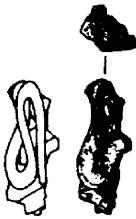
sf 17405



sf 10679



sf 17185



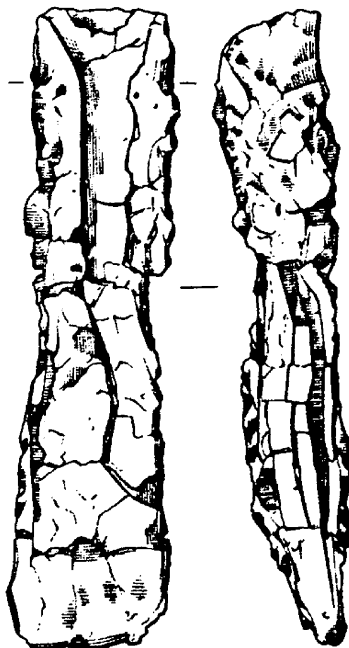
sf 15063



sf 8259



sf 5373



sf 15862

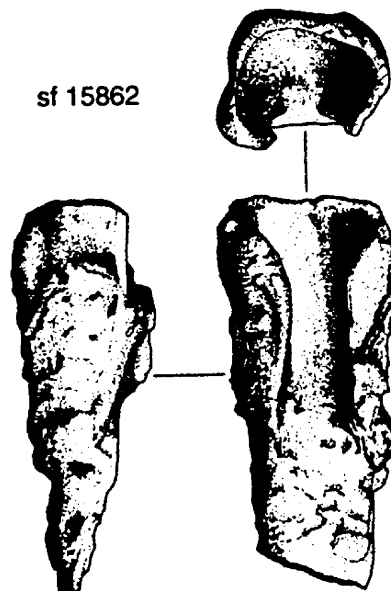


Figure 3.1 Metal Objects

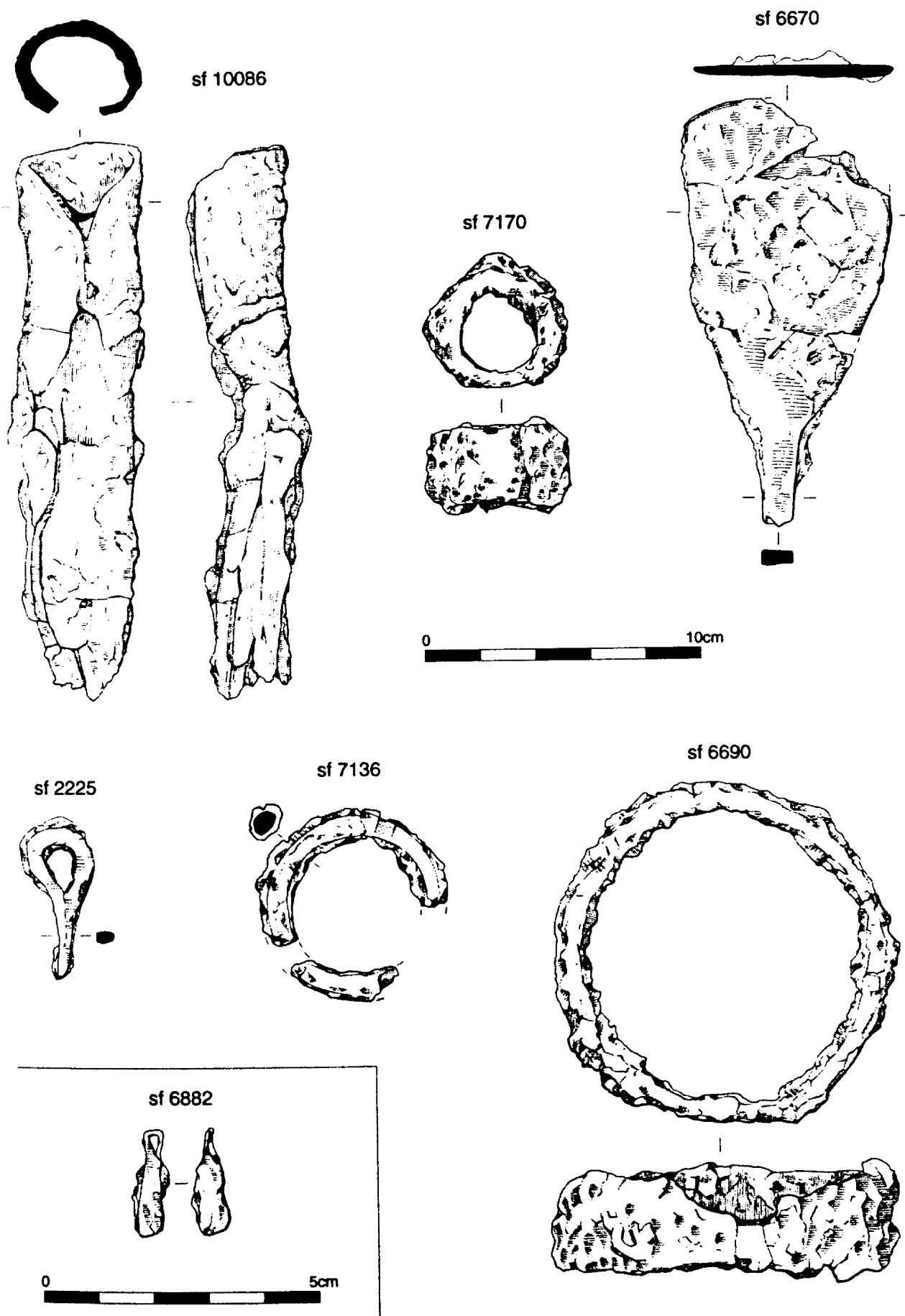


Figure 3.2 Metal Objects

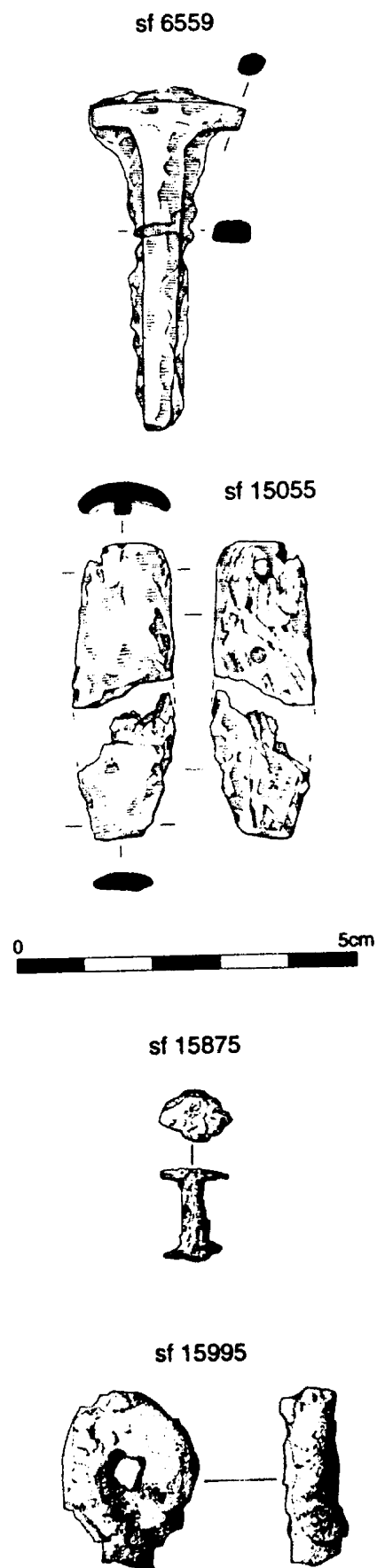
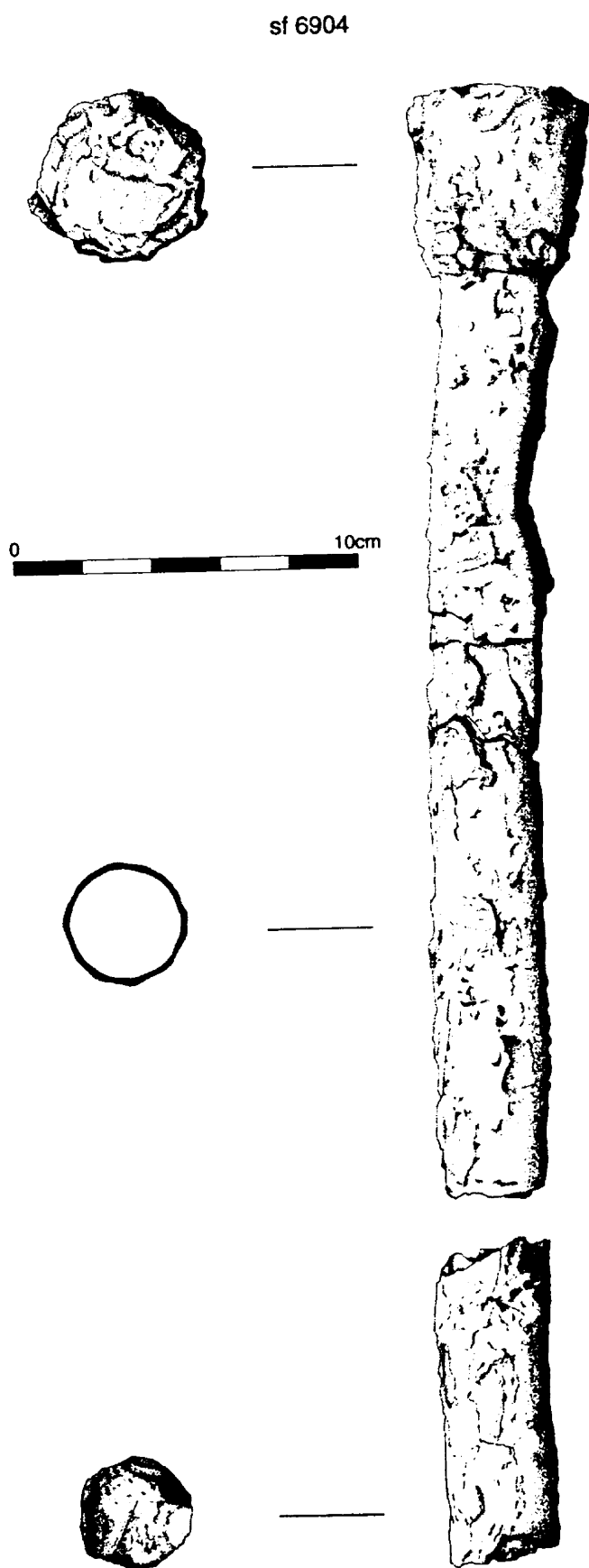


Figure 3.3 Metal Objects

# *Metal Objects*

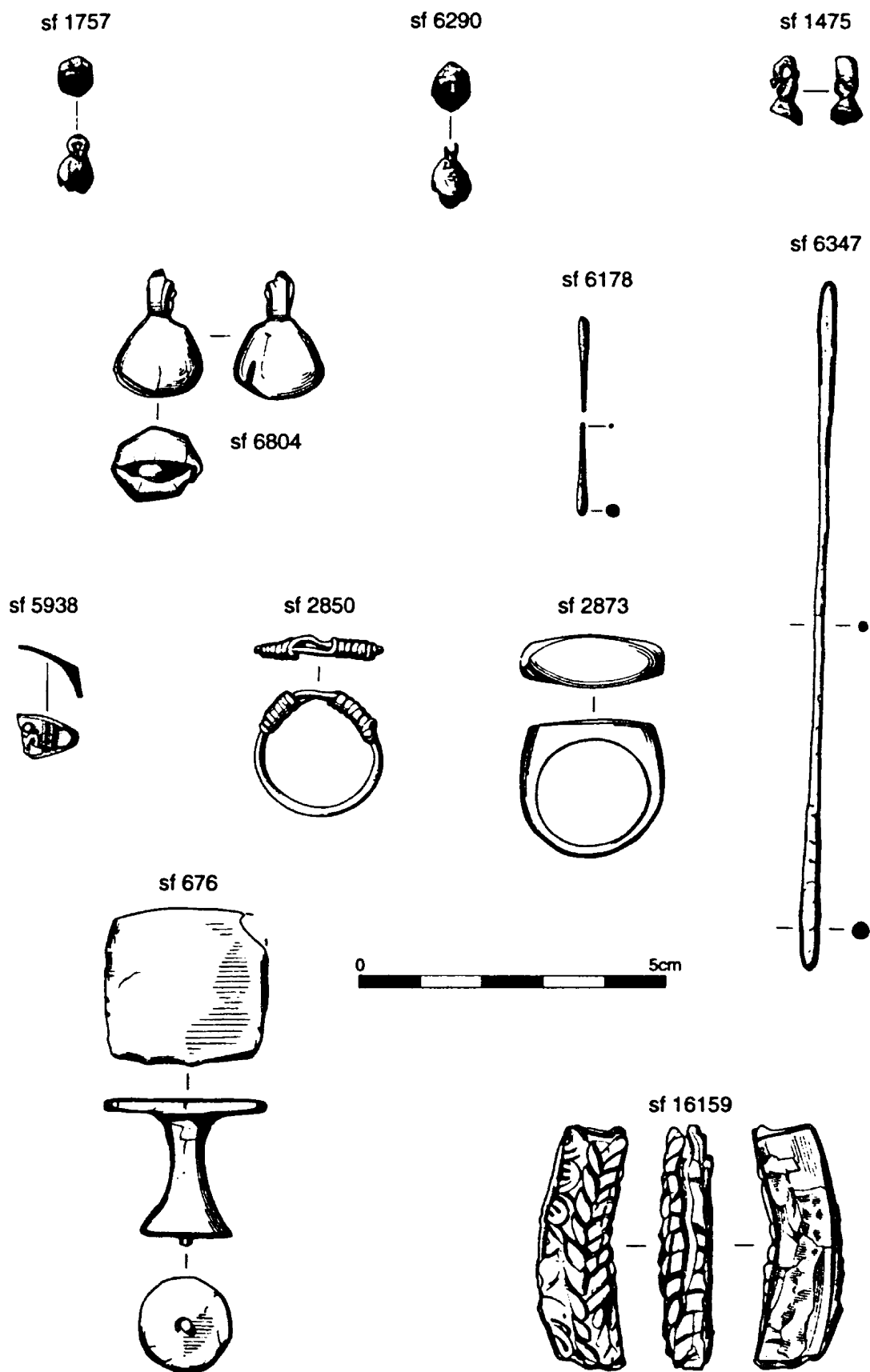


Figure 3.4 Metal Objects

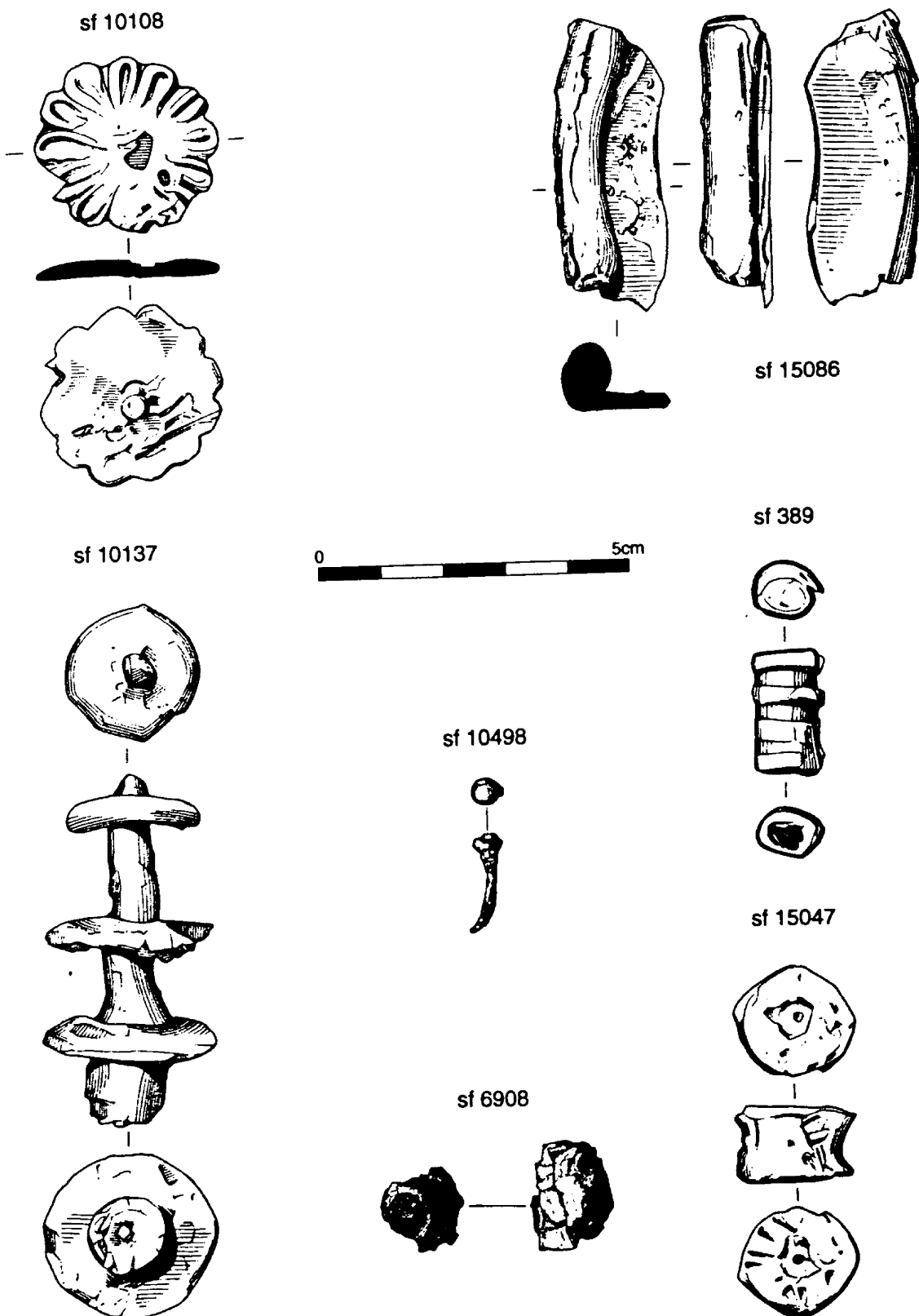


Figure 3.5 Metal Object