

# THE CSENGELE-FEKETEHALOM CEMETERY

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## I. EXCAVATION AND SITE

### *1. The excavation of the cemetery*

On the N of the town Szeged, in the Csengele fields Benjamin Kasza, a farmer, in 1935–36 discovered three graves in his plot. His neighbour, Mózes Lackó resident in Csengele No. 98, while turning the soil to prepare it for the planting of vine in 1936 opened up five graves (1–5). From the finds discovered in grave 1 twelve glass beads and an iron buckle were delivered to the Szeged City Museum in 1937. On March 31, 1936 the landowner donated the objects discovered in graves 2–5 to the Museum. The Director of the Museum charged Author to start rescue excavations.<sup>1</sup> On the same day when the finds were taken in the possession of the Museum graves 6,7 and 8 disturbed in course of agricultural works, could be excavated. At the same time we came to the conclusion that these graves belong to a larger cemetery which had been disturbed before the excavation started. By April 29, 1936 the rescue excavation yielded 83 graves (9–92). To the numbers stated above we added three graves found to be earliest, in the land of Benjamin Kasza (93–95). Because of the agricultural works started on the end of April our activities could not be continued earlier than in autumn. This time near the NE and SW limits of the excavated area ten more graves (96–105) came to light.

With the excavation of graves 104 and 105 we run short of time and the graves could not be mapped on the days they were opened up. Further on Author was given another job and he was prevented from returning to the site of the excavations. In November of the same year János Kotormány, attendant of the Museum went to the site and took possession of the grave-goods turned up in the course of the vine planting works (graves 106–108). In a plot next to the limit of the excavated area of the cemetery some diggings were performed in 1938; some of the burial finds yielded by graves (109–123?) disturbed that time reached the Museum.

In 1942 József Korek with Author's consent started processing the Csengele finds yet World War II having broken out meanwhile prevented the publication of the finds. Yet, from the photos of the graves and their surroundings, their descriptions collated with the initial information of Author's laid down in his inventory book, the material of graves 2–108 sorely messed up during the war could nevertheless be identified. The pictures taken of the finds coming from graves 109–123 (?) could not be found and without them the identification of the grave-goods in these graves was impossible. Therefore they can be discussed here only as stray finds.<sup>2</sup>

The documentation of the excavations was transferred to the Documentation Department of the Szeged Városi Múzeum (Móra Ferenc Múzeum), where they are registered under inventory Nos 12936/16 and 53, 30–1–139.<sup>3</sup>

The skeletal material of the cemetery is now in the Collection of the Szeged University, Institute of Anthropology.<sup>4</sup>

### *2. The site*

The cemetery (Fig. 1) is situated to the NE of the village Csengele, on the dunes between Feketehalom and a S tongue of Péteri tó (Fig. 2). This one-time faraway district of the town Szeged has become an independent village under the name Csengele.

The graves excavated belong to a burial ground of larger size on whose extension there is no reliable information.



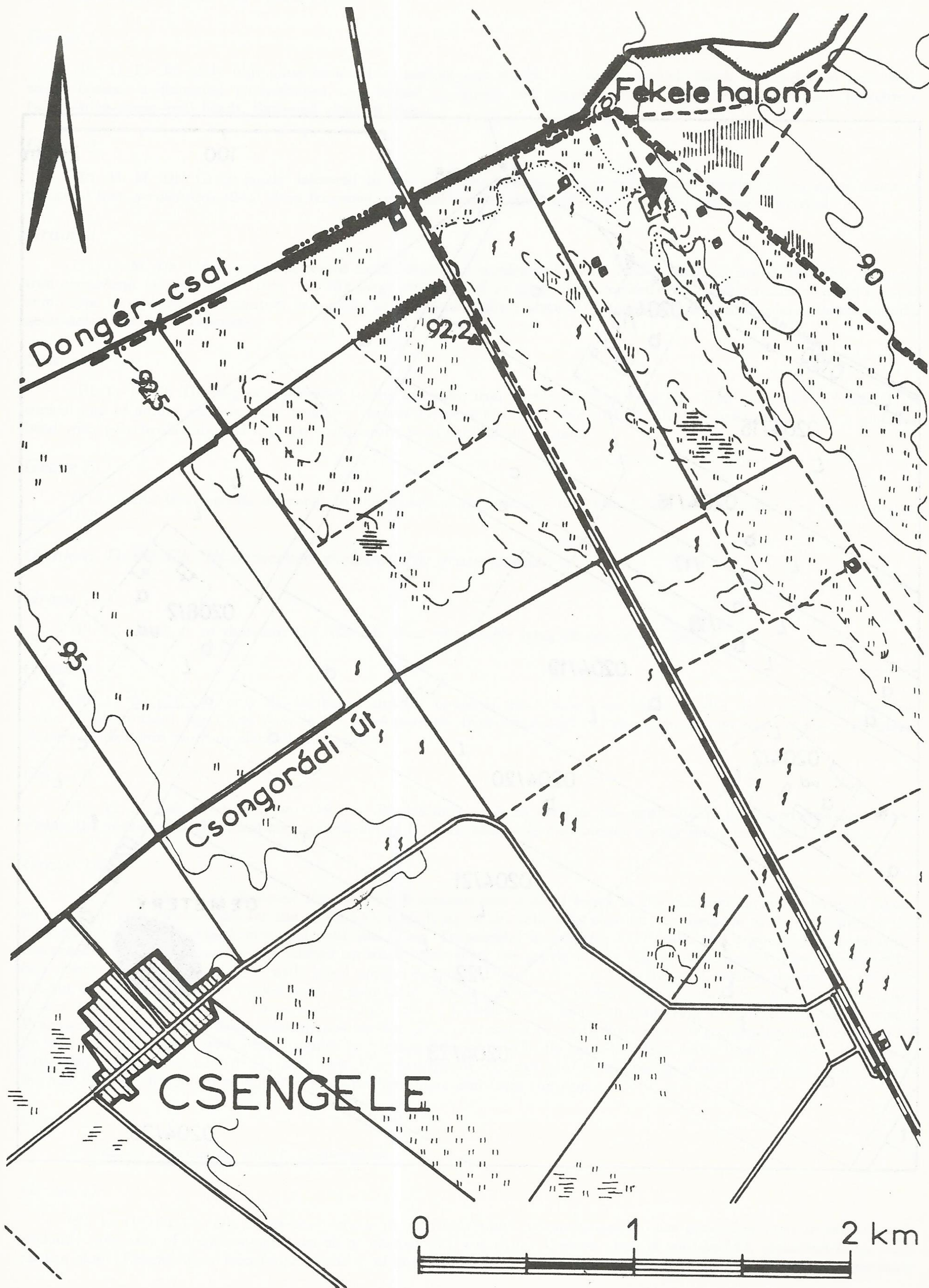


Fig. 1. Csengele-Feketehalom. Map of the area



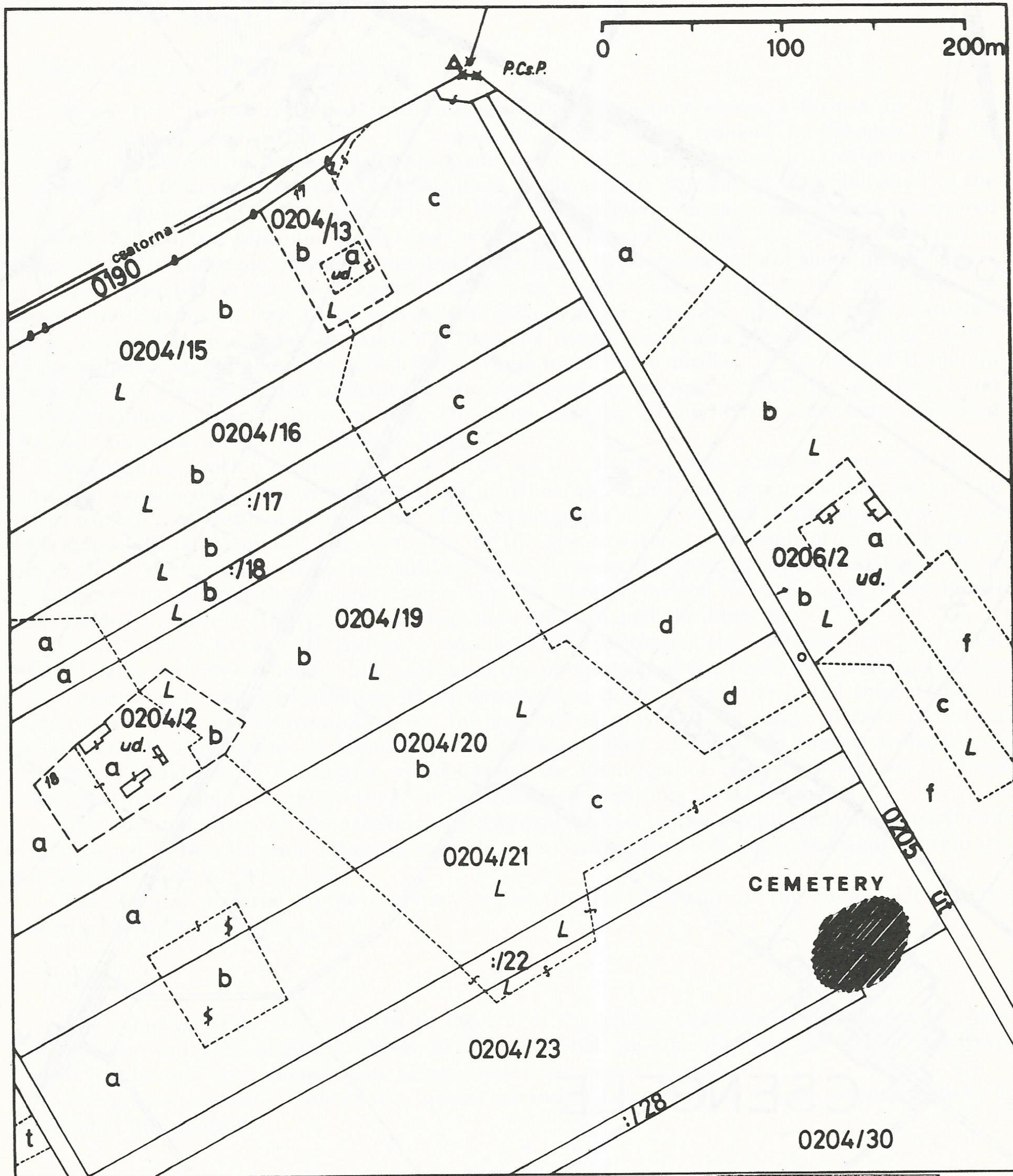


Fig. 2. Csengele-Feketehalom. The site marked on the cadastral map



## II. CATALOGUE OF GRAVES

### Grave 1

(Pl. 1). F. Db. Only four glass *beads* (1-4) and an *iron buckle* (+) were rescued. Black barrel-shaped bead with white bosses; a flattened globe-shaped one bossed in green and bearing white relief trails, and two polychrom (white-blue-green-red) beads, flattened globe in shape.

### Grave 2

(Pl. 1). M. Db. Grave-goods delivered to the museum: *iron knife*, trapezoidal *iron buckle* (1), corroded mass of trilateral *iron arrowheads* (2-4). Two fragmentary *clench-nails* for the coffin (5; only one specimen survived).

### Grave 3

(Pl. 1). M. Db. Grave-goods delivered to the museum: quadrangular *iron buckle* (6); oval *iron buckle* (3); trilateral *iron arrowhead* (4); *iron knife*, *iron ring* (5); *large strap-end* of br. plate (1) decorated with plant pattern of multi-foliated scroll type in repoussé; fragmentary *belt-mount* of bad-quality silver plate (2), backed with a thin br. plate, decorated with geometrical design in repoussé.

### Grave 4

(Pl. 1). F. Db. Grave-goods delivered to the museum: *iron buckle* (3); *iron ring* (2); *iron knife*; seven *beads* (1), a conical one of amber and six glass beads of various types; a biconical bead in blue, three bossed one in red, a globular bead with polychrom inly and a green transparent bead snail shell in shape.

### Grave 5

(Pl. 1). Db. Grave-goods delivered to the museum: fragmentary *iron clench-nail* for the coffin (+) and two *iron rings* (1-2).

Grave 6. D: 60. Ch. Ill-preserved skeleton. No grave-goods.

### Grave 7

(Pl. 1). D: 82. L. of skeleton: 120. Ch. Db. Oval *iron buckle* lying on one of the ilia.

### Grave 8

(Pl. 1). D: 173. Db: only the leg-bones and the bones of the l. arm were found in situ. *Iron clench-nail* for the coffin (1) above the l. leg. *Cattle bone* in the same position. *Iron clench-nail* (+) above the former place of the r. shoulder. Narrow-bladed *iron knife* in place of the pelvis.

### Grave 9

(Pl. 1). D: 130. L. of skeleton: 119. Ch. Br. staining on both sides of the skull. Badly preserved *iron needle* (+) within the pelvic area. Biconical clay *spindle-whorl* (1) decorated with two incised zigzag lines, near the l. knee.

### Grave 10

(Pl. 1). D: 184. L. of skeleton: 168. M. *Iron fragments* and *animal bones* in the grave-filling, in a depth of about 80 cm. Four *iron clench-nails* for the coffin (+), each lying in the following position: by the dome of the cranium, to the r. of the skull, outside the l. arm and near the r. leg. Trapezoidal *iron buckle* (11) under the r. ilium. *Belt-ornaments*, recovered from underground water rushed up when uncovering the grave, in the region of the pelvis. Five quadrangular *belt-mounts* of silver plate (3-7) with lobed edges; each with four rivet-holes, one in each corner; decoration (22-23): cut-out design in the middle backed with a gold plate (one of the mounts backed with bronze). Cast br. *propeller-shaped mount* (9) with beaded border. *Large strap-end* (8): only a floated silver band with projecting strap-fasteners has survived. Fragmentary *br. plate* (17). Horseshoe-shaped *belt-hole guard* (2) cast in br., with three rivets. Fragmentary *small strap-end* of br. plate (15) decorated with plant pattern in repoussé; back-plate badly corroded. *Iron knife* under the one of the ilia. Trilateral *iron arrowhead* (10) by the l. foot. *Iron fittings* for a *quiver* (16) in the region of the arrowhead. *Bone fittings* for *bow* (18-19): fragmentary stiffener from the *terminals* and from the *grip*.

### Grave 11

D: 122. L. of skeleton: 153. No grave-goods.

### Grave 12

(Pl. 1). D: 163. Ch. Db. Large-sized grave-pit with four small pits deepened into the grave-floor, one in each corner: probably remnants of a timber-construction associated with the ritual. Creases piece of *gold-leaf* (2; ornament for a cap?) on the skull. Fragmentary *iron knife* to the r. of the skull. Quadrangular *iron buckle* with belt-plate (1), a fragmentary



one, near the vertebral column, between the thorax and the pelvis. Fragments of an iron *knife* found in a secondary position outside the grave-pit, in a depth of 30 cm.

### Grave 13

(Pl. 1). D: 100. A small-sized pit had been deepened into the grave-floor at the head-end of the grave (behind the skull). L. of skeleton: 158. F. Iron *knife* near the inner side of the r. femur.

### Grave 14

(Pl. 1). D: 135. L. of skeleton: 162. F. Fragmentary *earring* of bad-quality silver (1) with large hollow globe-pendant; on the l. side of the skull. Fragmentary iron *knife* within the pelvic area.

### Grave 15

(Pl. 1). D: 155. Two quadrangular iron *buckles* (1-2) within the pelvic area.

### Grave 16

(Pl. 1). D: 175. L. of skeleton: 156. F. Underground water rushed up when uncovering the grave. Three iron *clench-nails* for the coffin (1-2), lying one by one in the corners of the grave-pit (two of them have survived). Quadrangular iron *buckle* (3) within the pelvic area. Barrel-shaped clay *spindle-whorl* (4), grey in colour, decorated with girth-grooves; under the bones of the l. hand. Two iron *knives* by the l. femur.

### Grave 17

(Pl. 1). D: 140. Db: skull and some skeletal bones lying haphazard in the pelvic region. Quadrangular iron *buckle* (1) between the knees. Two fragments of iron *knives* in the region of the pelvis.

### Grave 18

(Pl. 1). D: 150. Db. Glass *bead* (1) near the cervical vertebrae; flattened globe-shaped bead in white decorated with a green wavy line. Trapezoidal iron *buckle* (2) and an iron *knife* of larger size in place of the pelvis. *Piece of iron* in the grave-filling.

### Grave 19

(Pl. 1). D: 140; W: 145. Ch. *String of beads* (3) around the cervical vertebrae; surviving beads: a flattened globe-shaped coral bead in pink and three glass beads, two prismatic ones in brown and a cylindrical one in red. Gilt-bronze *ornamental plate* (1), oblong in shape, decorated with an intended interlace pattern; from the same position as the beads (it may have been stringed). Fragments of an iron *knife* within the pelvic area. Disc-shaped *spindle-whorl* (2) cut out of a grey pottery sherd, decorated with incised radial pattern; within the pelvic area.

### Grave 20

D: 155. Db: completely plundered.

### Grave 21..

D: 60. L. of skeleton: 90. Ch. No grave-goods.

### Grave 22

(Pl. 1): D: 70. L. of skeleton: about 92. Ch. Glass *beads* (1) around the cervical vertebrae; six dark green melonseed-shaped beads, a cylindrical and an oval one in light green. *Pottery vessel* (2) near the l. hand; small hand-made pot, defectively fired; h: 8; rd: 6,5; bd: 4.

### Grave 23

(Pl. 2): D: 100. L. of skeleton: 148. F (Ch?). *Necklace* consisting of glass *beads* (1) and br. *pendants* (2-4), around the cervical vertebrae; some segmented beads in green and brown, two flattened globe-shaped ones in light green and four small beads in blue; two of the looped pendants are shovel-like in shape and they show perforation (one specimen perforated with seven holes the other with two holes), the third pendant is a tweezers-shaped specimen. Oblong iron *buckle* with incurved sides (5), on the sternum. Deformed iron *buckle* (6) from the same position. Small *piece of iron* by the r. hand.

### Grave 24

(Pl. 2). D: 150. Db. Quadrangular iron *buckle* (1). *Animal bones* (chicken and cattle) in the region of the ankles.



### Grave 25

(Pl. 2). D: 175. F. Db. Biconical clay *spindle-whorl* (1), greyish-black in colour, decorated with two zones of incised zigzag lines; among the disturbed skeletal bones.

### Grave 26

(Pl. 2). D: 75. L. of skeleton: 107. Ch. Db. Small iron *knife* by the l. hand.

### Grave 27

(Pl. 2). D: 130. L. of skeleton: 149. F. Two circular br. *earrings* (1-2) each with pendant made up of a cone-frustum type setting and globular glass bead in blue; one on the l. temple bone the other inside the mouth cavity. Disc-shaped *spindle-whorl* (4) cut out of a grey pottery sherd; on the l. edge of the l. ilium. Trapezoidal iron *buckle* (3) on the r. edge of the r. ilium.

### Grave 28

(Pl. 2). D: 170. M. Db. Badly shattered remains of a br. penannular *earring* on place of the skull. Two iron *knives* by the r. hand. Pieces of *iron rust* and fragments of a *strap-end* of br. plate (1-3); beside the knives; the fragmentary strap-end shows imprint of textile. Fragmentary *iron ring* (4) above the knives. Fragmentary *metal plate* (4; fragment of a mirror?) between the knives. Trilateral iron *arrowhead* (5) by the l. hand. *Egg-shells* and *chicken bones* occurring scattered in the grave-filling.

### Grave 29

(Pl. 2). D: 160. Ch (?). Db. Shattered remains of a *pottery vessel* between the knees; coarse pot of smaller size with body bulging about in the middle; decoration: zones of incised wavy lines; h: 11,5; rd: 11,5; bd: 7,5.

### Grave 30

(Pl. 2; Pl. XXVIII. 1-4). D: 180. L. of skeleton: 168. M. Two silver *hairplait-ornaments* (1-2) of „bar type” plastered up by lead, fasteners made of br. wire; in the region of the l. shoulder. Byzantine br. *buckle* with iron tongue (3) on the l. ilium; oval loop cast in one piece with its rounded belt-plate bearing grooved decoration; reverse with two projecting flangs pierced for fastening the plate to the belt. Three discoid *belt-mounts* of silver plate (4-6), each with a large dome-headed rivet; one by one on the edges of the ilia and under the sacrum. The latter mount was found lying between two oblong *mounts* (8; only one of them survived). Oblong iron *buckle* (7) on the r. ilium. *Iron ring* (10) by the r. hand. *Iron knife* bearing remnants of a wooden sheath, on the r. femur. *Iron strike-a-light* (9) and *flint* (10) on the outer edge of the l. ilium. *Chicken bone* outside the r. arm.

### Grave 31

(Pl. 2). D: 100. Db: Two fragmentary iron *buckles* and fragment from an iron *knife* in the grave-filling.

### Grave 32

(Pl. 2; Pl. XXVIII. 8-9). D: 153. L. of skeleton: 172. M. Two oval br. *earrings* (1-2) with hollow globe-pendants showing traces of leaf-gilding; the hoops were found beside the skull, one on either side, one of the pendants, separated, occurred on the ribs of the r. part of the chest, the other on the r. caput femoris. Quadrangular iron *buckle* of larger size (2) on the r. ilium. Trapezoidal iron *buckle* (8) near the upper edge of the sacrum. Five silver *belt-mounts* of repoussé (4-7) plastered up with lead: rosette type mounts decorated with beading inside a beaded border; the mounts were found lying to the l. and to the r. of the trapezoidal buckle and under the vertebral column; one of them disintegrated on being lifted. Two quadrangular *belt-ornaments* of silver plate (9) plastered up with lead, front-plate with folded edges and decorated with two zones of fluting; one of them disintegrated on being lifted. Both types of belt-ornaments had been fixed by means of rivets to the leather strap. *Iron knife* near the r. knee.

### Grave 33

D: 80. Ch. Db. No grave-goods.

### Grave 34

(Pl. 2). D: 82. L. of skeleton: 75. Ch. Seven tiny glass *beads*, black in colour; in the region of the cervical vertebrae.

### Grave 35

D: 130. Ch. (babe). No grave-goods.

### Grave 36

(Pl. 2). D: 170. F. Db. Two fragmentary br. *earrings* (1-2) with globular glass bead-pendants; in place of the skull. Two melonseed-shaped glass *beads* (3) in the region of the cervical vertebrae. Oblong iron *buckle* with slightly incurved sides (5). *Iron ring* (4). *Iron knife*.



### Grave 37

(Pl. 2). D: 220. M. Decayed skeletal remains recovered from underground water rushed up when uncovering the grave. Iron *clench-nails* for the coffin (10-12), 45 cm higher than the skeleton: four of them occurred on the r. of the skeleton, two others to the l. of it, one specimen was found behind the skull (four clench-nails have not survived). Layers of the filling observed during the excavation: yellow and just below the clench-nails, disturbed soil at the level of the skeleton and blueish mud in the pelvic region. Fragmentary *earring* with globular glass bead-pendant (1), by the r. temple bone. Trapezoidal iron *buckle* (3) within the pelvic area. Fragment of a *strap-end* of silver plate (2) with a fluted stripe at its upper edge; beside the iron buckle. Br. *tweezers* (9), only one half of it survived; by the lower edge of the pelvis. Iron *knife* by the r. hand. Five trilateral iron *arrowheads* (4-8) joined together by rust, with tangs missing; by the l. femur.

### Grave 38

(Pl. 2). D: 140. L. of skeleton: 171. Two oval br. *earrings* (1-2) with small hollow globe-pendants; one on either side of the skull. Tiny yellow glass *beads* (3) in the region of the cervical vertebrae. Iron *chain-links* (4) among the beads. Biconical clay *spindle-whorl* (7), dark grey in colour, with a blurred decoration consisting of girth-grooves; by the phalanges of the l. hand. Trapezoidal iron *buckle* (5) within the pelvic area. Fragments from an iron *knife* near the l. arm. Iron *ring* (6) beside the knife-fragments. *Cattle bones* (vertebrae) on the femora.

### Grave 39

(Pl. 2). D: 180. F. Db: only the bone of the legs were found in situ. Glass *bead* (1) and iron *buckle* (+) in place of the trunk. Two fragmentary iron *bracelets* (+) in place of the forearms. Iron *knife* and disintegrated clay *spindle-whorl* (+).

### Grave 40

(Pl. 3). D: 125. L. of skeleton: 145. Two iron *buckles* (1-2), an oval one and an oblong buckle with incurved sides, within the pelvic area; they lay 5 cm apart. Trilateral iron *arrowhead*(3). Small iron *ring* (+) adhered by rust to the arrowhead. *Cattle bone* lying on the bones of the feet.

### Grave 41

(Pl. 3). D: 100. Ch. *Pottery vessel* near the feet; small hand-made pot of coarse grained texture, with everted rim' h: 12,8; rd: 10; bd: 7,5.

### Grave 42

(Pl. 3). D: 100. L. of skeleton: 118. Ch. Disc-shaped clay *spindle-whorl*, brick-red in colour, by the l. arm.

### Grave 43

(Pl. 3). D: 140. F. Db: the skull was found 50 cm higher than the skeletal bones and it was separated by a distance of 100 cm from the cervical vertebrae. Two glass *beads* (1) in the region of the cervical vertebrae; a melonseed-shaped bead and an elliptical one. Oval iron *buckle* (2) within the pelvic area. Biconical clay *spindle-whorl* (3), yellowish-brown in colour, decorated with girth-grooves; near the l. humerus.

### Grave 44

(Pl. 3). D: 100. L. of skeleton: 151. F. Circular br. *earring* (1), quadrangular in section, with globular glass bead-pendant; by the r. temporal bone. Glass *bead-pendant* of an earring of similar type (2), by the l. temporal bone. Quadrangular iron *buckle* (3) within the pelvic area. Ill-preserved clay *spindle-whorl* (+) by the l. hand. Iron *knife* by the r. hand. *Cattle bone* near the l. foot.

### Grave 45

D: 110. L. of skeleton: 88. Ch. No grave-goods.

### Grave 46

(Pl. 3). D: 45. Ch. Skeleton crumbled to dust. Three glass *beads* in the region of the cervical vertebrae; two melonseed-shaped beads in green (1-2) and a yellowish bead, cylindrical in shape (3). Two small br. *plates* (4-5), each perforated by a hole, in the same position; the beads and the br. plates belong to the same necklace.

### Grave 47

(Pl. 3; Pl. XXIX. 4). D: 140. M. Db. by sinking a shaft of which contours occurred in the region of the l. shoulder. Two oblong *hairplait-ornaments* of br. plate (6-7) decorated with geometrical pattern in repoussé; in the region of the l. shoulder. Five quadrangular br. *belt-mounts* of repoussé (1-5), each decorated with a crouching griffin inside a beaded border; four of them were found within the pelvic area the fifth mount occurred in a secondary position outside the l. femur. Iron *knife* by the r. femur. Two trilateral iron *arrowheads* (11-12) near the l. leg. Iron *ring*(9) bearing traces of textile, to the l. of the vertebral column. *Bone fittings for bow* (13-14) by the l. arm; stiffeners from the *terminals* and



plates from the *grip*. „*Double disc*” of bronze (10) by the toe-bones of the r. foot; the larger disc in furnished with eight rivets along its periphery. Fragments of an iron *buckle* within the pelvic area.

### Grave 48

(Pl. 3; XXVIII. 5-7). D: 135. M. Db: only the bones of the legs were found in situ. Earth lumps showing *bronze staining* above the grave floor in place of the pelvic bones found in secondary position; shield-shaped double-plate silver *belt-mount* of repoussé (4), with leaf-gilding front-plate with folded rim and decorated with a scene enclosed by beaded border: two confronted pigeons picking a plant (tree of life motif) depicted at the center; the mount, covered by a thin layer of disturbed soil, occurred just below the br. staining mentioned above. *Large strap-end* (1) and two *small strap-ends* (2-3) on the grave-floor. Repoussé large strap-end of silver with leaf-gilding; decoration surrounded by beaded border: two main fields, one quadrangular the other shield-like on shape, filled with geometrical pattern and framed with „running spirals”; the object got into the grave in a slightly fragmentary state. Silver *small strap-ends* of repoussé decorated with geometrical pattern arranged symmetrically; one specimen with beaded border the other framed with a beading-like motif. Two iron *buckles* (10-11) on one of the femora; a trapezoidal one with slightly incurved sides and a quadrangular buckle of larger size. Fragmentary iron *knife* from the disturbed area of the grave. Two trilateral iron *arrowheads* (5-6), one near the l. knee, the other in the pelvic region. *Br. fragment* and *iron fragments* on the r. caput femoris. *Bone fittings for bow* (7-9) in a secondary position, in the region of the r. shoulder; stiffeners from the *terminals* and plate from the *grip*.

### Grave 49

(Pl. 3). D: 165. F. Db. Oblong iron *buckle* (2) under the pelvis. Iron *knife* by the l. hand. Biconical clay *spindle-whorl* (1), yellowish-grey in colour, decorated with four girth-grooves; by the point of the knife. *Animal bones* (*chicken* and *cattle*) near the feet.

### Grave 50

D: 120. L. of skeleton: 168. M. No grave-goods.

### Grave 51

(Pl. 4). D: 80. L. of skeleton: 100. Ch. Two circular *earrings*(1-2) with globular glass bead-pendants, by the r. temple bone.

### Grave 52

D: 60. Ch. Disintegrated skeletal remains of a babe. No grave-goods.

### Grave 53

D: 60. L. of skeleton: 78. Ch. No grave-goods.

### Grave 54

D: 70. L. of skeleton: 91. Ch. No grave-goods.

### Grave 55

D: 75. L. of skeleton: 71. Ch. No grave-goods.

### Grave 56

(Pl. 4). D: 75. L. of skeleton: 122. F. Skeleton lying in contracted position (?). Two perforated *br. coins* of Maximianus Herculus (2), in the region of the cervical vertebrae. Iron *knife* outside the r. arm. *Pottery vessel* (1) near the feet; hand-made pot of small size, greyish-black with brown spots on its surface; h: 10,3; rd: 8,2; bd: 7.

### Grave 57

(Pl. 4). D: 130. L. of skeleton: 124. Ch. *Crane bone* (?) with both ends perforated (1), inside the r. arm. Disc-shaped *spindle-whorl* (2) cut out of a yellowish-red pottery sherd; by the r. hand. *Chicken bones*.

### Grave 58

(Pl. 4). D: 135. L. of skeleton: 156. F. Two circular br. *earrings*(1-2) each with a pendant consisting of a cone-frustum type setting and a hemispherical part; one on either side of the skull. Quadrangular iron *buckle* (+) between the femora. Iron *knife* near the buckle.

### Grave 59

(Pl. 4; Pl. XXVIII. 10-11). D: 130. L. of skeleton: 175. M. Two oval *br. earrings* (1-2) with small hollow globe-pendants; one on either side of the skull. *Strap-end* of silvered br. platé (10) backed with br. plate, front-plate with folded rim; by the l. elbow. *Strap-end* of the same type (11) on the r. ilium. *Small strap-end*(12) near the upper edge of the sacrum, under the vertebral column; double-plate strap-end of silver with front-plate decorated with a plain field surrounded by



beading and two grooves. Trapezoidal iron *buckle* (9) with belt-plate consisting of two iron stripes; with the pelvic area. Trapezoidal iron *buckle* (8) in the same position. Fragmentary *iron strike-a-light* (+) and *flint* (3) on the r. caput femoris. Large iron *knife* and *iron ring* near the l. forearm. Iron fittings for a *quiver* (?) under the pelvis; iron band with a large-headed rivet (13). Two trilateral iron *arrowheads* (4-5) and iron *awl* (?; 6) in the region of the knees.

### Grave 60

(Pl. 4). D: 180. M. Db. Br. *staining*, occurring here and there in the soil of the grave-floor, suggesting some fragmentary back-plates of belt-ornaments which seem to have disappeared when the grave was plundered. Quadrangular *iron buckle* (3). *Iron ring* (2). Fragmentary *iron knife*. Trilateral *iron arrowhead* (1).

### Grave 61

(Pl. 4). D: 140. F. Db. Two circular br. *earrings* (1-2) each with a pendant made up of a cone-frustum type setting and beads of lead and glass (one of the earrings disintegrated). Fragmentary *iron knife*.

### Grave 62

D: 146. L. of skeleton: 100. Ch. No grave-goods.

### Grave 63

(Pl. 4). D: 132. Ch. Large *iron knife*.

### Grave 64

(Pl. 4). L. of skeleton: 100. Ch. *Necklace* consisting various objects: tiny yellow glass *beads* (disintegrated), some small *iron chain-links* (6-7), a looped br. *pendant* (5), saw-like in shape, and an *earring* with globe-pendant (1). Ill-preserved *iron buckle* within the pelvic area. Small fragment of an *iron knife* by the r. hand. Three trefoil-shaped repoussé *belt-mounts* of silver gilt (2-4); one on each ilium and under the vertebrae column.

### Grave 65

(Pl. 4). D: 150. M. Db. Br. *buckle* showing traces of gilding, to the r. of the vertebral column; oval loop cast in one piece with its frame-like belt-plate, with tangle made of iron. Two repoussé br. *belt-mounts* of rosette type (2-3); one on either side of the buckle. Double plate br. *belt-mount* (5), quadrangular in shape, decorated with a row of chased dots along its edges; by the end of the phalanges of the l. hand. Oval *iron buckle* (4) by the r. hand. *Iron knife* under the *iron buckle*. *Iron knife* by the point of the former knife. Two br. *rivets*, one near the l. hand the other separated by a distance of 4 cm from the latter knife. Trilateral *iron arrowhead* (6) near the l. leg. *Animal bones* near the feet.

### Grave 66

(Pl. 4). D: 85. L. of skeleton: 133. F. *Iron knife* by the l. hand. *Fowl bones* near the feet.

### Grave 67

D: 110. L. of skeleton: 156. F. No grave-goods.

### Grave 68

(Pl. 4). D: 150. Db. *Iron buckle* (+) on the r. femur. Fragmentary *iron knife* in place of the r. hand.

### Grave 69

D: 65. Ch. Decayed skeleton of a babe. No grave-goods.

### Grave 70

(Pl. 4). D: 150. L. of skeleton: 120. Ch. Incomplete penannular br. *earring* (2) on the r. side of the skull. Oblong *iron buckle* (1) within the pelvic area. *Iron knife* by the r. hand.

### Grave 71

(Pl. 4). D: 156. L. of skeleton: 143. Ch. Trapezoidal *iron buckle* (1) within the pelvic area. Small *iron knife* near the l. hand.

### Grave 72

(Pl. 4). D: 110. L. of skeleton: 168. M. Oval *iron buckle* (1) within the pelvic area. Remains of two disintegrated *belt-mounts*, quadrangular in shape; one on either side of the *iron buckle*. *Iron knife* by the l. hand. *Animal bones* between the feet.



beading and two grooves. Trapezoidal iron *buckle* (9) with belt-plate consisting of two iron stripes; with the pelvic area. Trapezoidal iron *buckle* (8) in the same position. Fragmentary *iron strike-a-light* (+) and *flint* (3) on the r. caput femoris. Large iron *knife* and *iron ring* near the l. forearm. Iron fittings for a *quiver* (?) under the pelvis; iron band with a large-headed rivet (13). Two trilateral iron *arrowheads* (4-5) and iron *awl* (?; 6) in the region of the knees.

### Grave 60

(Pl. 4). D: 180. M. Db. Br. *staining*, occurring here and there in the soil of the grave-floor, suggesting some fragmentary back-plates of belt-ornaments which seem to have disappeared when the grave was plundered. Quadrangular *iron buckle* (3). *Iron ring* (2). Fragmentary *iron knife*. Trilateral *iron arrowhead* (1).

### Grave 61

(Pl. 4). D: 140. F. Db. Two circular br. *earrings* (1-2) each with a pendant made up of a cone-frustum type setting and beads of lead and glass (one of the earrings disintegrated). Fragmentary *iron knife*.

### Grave 62

D: 146. L. of skeleton: 100. Ch. No grave-goods.

### Grave 63

(Pl. 4). D: 132. Ch. Large *iron knife*.

### Grave 64

(Pl. 4). L. of skeleton: 100. Ch. *Necklace* consisting various objects: tiny yellow glass *beads* (disintegrated), some small *iron chain-links* (6-7), a looped br. *pendant* (5), saw-like in shape, and an *earring* with globe-pendant (1). Ill-preserved *iron buckle* within the pelvic area. Small fragment of an *iron knife* by the r. hand. Three trefoil-shaped repoussé *belt-mounts* of silver gilt (2-4); one on each ilium and under the vertebrae column.

### Grave 65

(Pl. 4). D: 150. M. Db. Br. *buckle* showing traces of gilding, to the r. of the vertebral column; oval loop cast in one piece with its frame-like belt-plate, with tangle made of iron. Two repoussé br. *belt-mounts* of rosette type (2-3); one on either side of the buckle. Double plate br. *belt-mount* (5), quadrangular in shape, decorated with a row of chased dots along its edges; by the end of the phalanges of the l. hand. Oval *iron buckle* (4) by the r. hand. *Iron knife* under the *iron buckle*. *Iron knife* by the point of the former knife. Two br. *rivets*, one near the l. hand the other separated by a distance of 4 cm from the latter knife. Trilateral *iron arrowhead* (6) near the l. leg. *Animal bones* near the feet.

### Grave 66

(Pl. 4). D: 85. L. of skeleton: 133. F. *Iron knife* by the l. hand. *Fowl bones* near the feet.

### Grave 67

D: 110. L. of skeleton: 156. F. No grave-goods.

### Grave 68

(Pl. 4). D: 150. Db. *Iron buckle* (+) on the r. femur. Fragmentary *iron knife* in place of the r. hand.

### Grave 69

D: 65. Ch. Decayed skeleton of a babe. No grave-goods.

### Grave 70

(Pl. 4). D: 150. L. of skeleton: 120. Ch. Incomplete penannular br. *earring* (2) on the r. side of the skull. Oblong *iron buckle* (1) within the pelvic area. *Iron knife* by the r. hand.

### Grave 71

(Pl. 4). D: 156. L. of skeleton: 143. Ch. Trapezoidal *iron buckle* (1) within the pelvic area. Small *iron knife* near the l. hand.

### Grave 72

(Pl. 4). D: 110. L. of skeleton: 168. M. Oval *iron buckle* (1) within the pelvic area. Remains of two disintegrated *belt-mounts*, quadrangular in shape; one on either side of the *iron buckle*. *Iron knife* by the l. hand. *Animal bones* between the feet.



### Grave 86

(Pl. 5). D: 160. M. Db: skull missing (traces of red colouring matter in place of the skull). Two oval iron *buckles* (1-2) within the pelvic area. Three hemispherical *buttons* of metal plate (4-6) plastered up with lead; two of them within the pelvic area, one fragmentary specimen under the vertebral column. Iron *knife* by the l. arm. Trilateral iron *arrowhead*(+) in the region of the feet.

### Grave 87

(Pl. 6). D: 120. L. of skeleton: 103. Ch. Small iron *buckle* (1), oval in shape, within the pelvic area. Br. *rivet* (+) from the same position. Oval iron *buckle* (2) by the r. hand. Iron *knife* from the same position.

### Grave 88

D: 110. Db. No grave-goods.

### Grave 89

(Pl. 5). D: 132. F. Db: traces of disturbances in a depth of 50 cm below the original level of the grave-floor. Penannular br. *earring* (1) in place of the r. hand. Glass *beads* (2) occurring here and there in the soil of the grave-floor; melonseed-shaped beads, a large bead with many-coloured inlay and a tiny bead in brown. Flattened globe-shaped clay *spindle-whorl* (4) by the l. hand. Iron *knife* under the bones of the l. hand. Quadrangular iron *buckle* (3) in the disturbed soil, so about under the pelvis.

### Grave 90

(Pl. 6). D: 120. L. of skeleton: 134. Ch. Two oval *earrings* (1-2) with glass bead-pendants missing, hoops decorated with plain „muffs”; by the skull. Disc-shaped *spindle-whorl* (3) cut out of a grey pottery body-sherd; above the pelvis.

### Grave 91

(Pl. 6). D: 140. L. of skeleton: 168. M. Grave-goods recovered from underground water. Oblong iron *buckle* (1) within the pelvic area. Trilateral iron *arrowhead* (2) near the l. leg.

### Grave 92

D: 130. Ch. Db. No grave-goods.

### Grave 93

(Pl. 5; Pl. XXVIII. 15; Pl. XXIX. 1-3). M. Db. Socketed iron *spearhead* (4); 1:20. Iron *horse-bit* (1). Two iron *stirrups*(2-3) with oblong loops, foot-rest with midrib; h: 16, 4; w: 11,4; l. of the loop: 4,5 and 5.

### Grave 94

(Pl. 6. 1-2; Pl. XXVIII. 16; Pl. XXIX. 5). M. Db. Iron *stirrup* (2) with oblong loop; h: 17,5; l. of the loop: 5,6. Fragmentary iron *horse-bit* (1).

### Grave 95

(Pl. 6; Pl. XXIX. 6). M. Db. Iron *stirrup* with oblong loop; h: 14; l. of the loop: 3.

### Grave 96

(Pl. 6). D: 200. L. of skeleton: 156. F. Underground water rushed up when uncovering the grave. Two silver *earrings* (1-2) with large hollow globe-pendants, each with a soldered ringlet consisting of four globulae between hoop and pendant; one on either side of the skull. Two iron *bracelets* (7-8), one on either forearm, near the lower epiphyses of the radius and ulna. Br. *finger-ring* (3) on one of the phalanges of the middle finger of the r. hand; type: simple wire hoop with a repoussé slightly convex bezel circular in shape. Fragmentary quadrangular *buckle* of iron. Iron *knife* and a discoidal *lead object* (ornamental piece for a purse) consisting of two plates (5), perforated with a hole; the objects were found lying one upon the other, near the l. femur. Incomplete br. *strainer* of spoon type (4) on the l. humerus. *Piece of iron* (fragment of a knife?) under the pelvis.

### Grave 97

(Pl. 6). D: 160. L. of skeleton: 167. F. Two oval br. *earrings* (2-3) with green glass bead-pendants, one oval the other inverse drop in shape; one by either temple bone. Glass *beads* (1) on the ribs; two dark green melonseed-shaped beads, a prismatic one in blue, a cylindrical bead in light green and a small globular bead in blue. Quadrangular iron *buckle* (4) within the pelvic area. Biconical clay *spindle-whorl* (5), blackish in colour, decorated with girth-grooves; on the l. femur.



### Grave 98

(Pl. 6). D: 110. L. of skeleton: 168. F. Two oval br. *earrings*(2-3) with glass bead-pendants in light green, one longish the other inverse drop in shape hoops decorated with „muffs”; one on either side of the skull. Biconical clay *spindle-whorl* (4), grey in colour, near the l. eye-pit. Trapezoidal iron *buckle* (1) under the pelvis.

### Grave 99

(Pl. 6). D: 120. L. of skeleton: 160. F. Circular br. *earring* (1) with pendant missing; on the r. side of the skull. Oval iron *buckle* (2) within the pelvic area. Quadrangular iron *buckle* of large size (3) under the skull.

### Grave 100-101

(Pl. 6). D: 120. Double burial: F. and Ch. L. of skeleton: 154 and 95. Trapezoidal iron *buckle* (1) within the pelvic area. *Br. staining* on the on the bones of the r. leg. Small iron *clanch-nail* for the coffin (3). Grave-goods belonging to the child burial: biconical clay *spindle-whorl* (2), grey in colour, decorated with girth-grooves; within the pelvic area.

### Grave 102

(Pl. 7). D: 130. L. of skeleton: 168. F. Two fragmentary br. *earrings* (1-2) with ellipsoidal glass bead-pendants; one by either temple bone. Br. *earring* (3) with small hollow globe-pendant, use as a *pendant*; in the region of the cervical vertebrae. Oval iron *buckle* (4) by the lower edge of the pelvis. Quadrangular iron *buckle* (5) by the l. hand. Iron *knife* under the latter object. Biconical clay *spindle-whorl* (6), grey in colour, by the r. hand.

### Grave 103

(Pl. 7). D: 130. Shape of the grave: oblong pit with a section, about in the region of the upper extremities, widening into a circular part. L. of skeleton: 154. F. Db. Oval br. *earring* (1) with br. pendant of „cornless cube” type, hoop decorated with plain „muffs”; by one of the temple bones. Dark green melonseed-shaped glass *bead* (2) by the cervical vertebrae. Fragmentary iron *buckle* (+) within the pelvic area. Iron *knife* lying on the l. humerus; silvered br. *ring* (3) beside the tang of the knife. *Egg-shell* between the knees.

### Grave 104

(Pl. 7). D: 140. L. of skeleton: 168. F. Fragmentary oval *earring* (1) with glass bead-pendant missing, hoop decorated with plain „muffs”; on the l. side of the skull. Cylindrical glass *bead* (2), light green in colour, lying on one of the cervical vertebrae. Quadrangular iron *buckle* (3) within the pelvic area. Grey *spindle-whorl* of clay (4), slightly flattened globe in shape, in the region of the l. shoulder.

### Grave 105

(Pl. 7). D: 110. L. of skeleton: 75. Ch. *Br. staining* on the skull. Oval iron *buckle* (2) on the bones of the l. shoulder. Cylindrical bone *needle-case* (1) and a disc-shaped clay *spindle-whorl* (4), brick-red in colour, beside the buckle. Iron *knife* in the region of the r. shoulder. Iron *ring* or circular *buckle* (3) above the knife.

The grave-goods coming from graves 106-108 were delivered by the office attendant into the museum.

### Grave 106

(Pl. 7). F. Glass *beads* (1): melonseed-shaped beads, a flattened globe-shaped one in red, and a biconical bead. Iron *knife*.

### Grave 107

(Pl. 7). F. Fragmentary penannular br. *earring* (1). Oblong iron *buckle* (2). Biconical clay *spindle-whorl* (3), brick-red in colour.

### Grave 108

(Pl. 7). M. Two trilateral iron *arrowheads* (1) joined together by rust. Four small *flints* (2-5). Three *pieces of pigment* in red (6-8).

### Grave

excavated on a spot between the graves 79 and 80. D: 30. Crudely shaped *pottery vessel* (Pl. 7.), greyish-black in colour; h: 8,8; rd: 9,4; bd: 7,4.

### Stray-finds

Pl. 7; Pl. XXVIII. 12-14

- 1 Two trilateral iron arrowheads (1-2)
- 2 Quadrangular iron buckle(3).



3 Two silver earrings (4) with hoops missing; type: earring with large hollow globe-pendant, a soldered ring consisting of four small globulae between hoop and pendant.

4 Glass beads (5): six tiny yellow beads, four larger globular ones in brown, one twisted green had of cone-frustum type.

5 Br. buckle (6), slightly trapezoidal in shape, decorated with imitation of beading.

6-9 Iron buckles (7-10): besides a fragmentary buckle two trapezoidal ones, an oblong and an oval specimen.

10 Iron clench-nail for the coffin (11).

11 Fragmentary iron knives.

12 Double plate cast br. small strap-end (12) decorated with flat-leaf tendril in open work; each panel with two projecting strap-fasteners in form of confronting animal heads.

13 Cast br. belt-mount with hinged pendant missing (13), decorated with tendril pattern.

14 Fragmentary cast br. belt-hole guard (14), a strongly worn specimen.

### III. BURIAL CUSTOMS

#### 1. *The grave pit*

(a) The *shapes* of the grave pits. In the loose, sandy soil the contours of the grave pits often got indistinct and in many cases we could ascertain the grave pits only at the levels of the skeletons. At such depths that is to say near the grave-floor the pits were found to have definite oblong shapes.

With grave 96, a rather early burial, the slightly trapezoidal shape (widening towards the feet of the dead) might be the result of the richness of the grave-furnishings. We could find no explanation why grave 103 widened to become of circular section about in the middle of the pit.

(b) The *lengths* of the graves of the adults and of particularly honourable persons were longer than 200 cm. The width of the grave pits reached 110 cm in a single case: grave 28.

(c) The *depths* of the graves varied from 140 to 180 cm. The deepest was grave 37: 220 cm. The lengths and widths of the shallow children's graves are uncertain because of earlier and present agricultural works and old-time grave disturbances.

#### 2. *The deposition of the dead*

(a) The corpses were placed in the graves *supine*, with the arms stretched.

(b) A single exception was found in grave 56 where the dead was deposited in a *contracted* position. In disturbed graves even the single bones were found in ways indicating that the corpses had been deposited *supine* and extended. Stratigraphically superimposed graves cannot be imagined, not even in case graves 100-101: it was more likely the simultaneous burial of a mother and her child.

(c) Iron clench-nails (hook-nails) indicating the presence of *coffin* burials were found in graves 2, 5, 8, 10, 16, 37, 101. With single exception (grave 37), these graves occurred near the W limit of the excavated area of the cemetery. This suggests their being more or less contemporary. From the irregular shapes of the clench-nails for coffins their numbers per grave (1 to 4) and their being applied opposite each other we may infer that the coffins were tree-trunk coffins and the function of the clench-nails was to hold the two half-cylinders of the coffins together.<sup>5</sup> In grave 37 seven clench-nails came to light. Their situation in grave indicate the presence of a horizontal coffin lid. Also the soil under the coffin lid showed horizontal stratification. The grave yielded the largest number of arrowheads (five). Also grave 12, of unusually large size (of a child) might have sheltered a coffin. This was also suggested by the small-sized pits occurring in the corners of the pit for a tumber-construction. In spite of the grave having been plundered some remnants of gold foils have survived. This is another indication that the burial took place under exceptional care. In grave 74 the dead was probably wrapped in a rug or in rush matting. This was also suggested by the unusual compression of the bones of the upper extremities and thorax.

(d) A *double grave* — or, more precisely speaking, a double burial was found in a single case (burials 100-101). A woman and a child were buried together.





Fig. 3. Analysed plan of the cemetery. Burial customs. 1: male, 2: female, 3: child, 4: coffin, 5: contracted burial, 6: double burial, 7: disturbed grave, 8: pottery, 9: animal bones, 10: eggshells.



(e) The marking of the graves — besides the thoroughness of the disturbances — was indicated in grave 13 by a small pit behind the skull of the skeleton: the place of a wooden headboard.

\*

Only a part of the cemetery could be excavated. Nevertheless the graves coming to light include the suggestion that in the first burial phase particular families (clans) had established „burial centers” so that their descendants could be buried in the proximity of those belonging to the same family (clan).<sup>6</sup>

### 3. *Horseman's burial*

Hors-bits and stirrups came to light in graves 93–95. The graves were excavated not scientifically and no precise informations are available. The finds have been delivered up to the competent authorities.

### 4. *Traces of funeral feasts and food offerings*

(a) *Pottery vessels* came to light in six graves: 22, 29, 41, 56, 80, 84 and one marked by the letters „Sz. n.” (an abbreviation in Hungarian meaning „without a number”). Among the vessels two were near the left hand of the skeleton, two near the leg bones, one between the knees and because of an child skeleton crumbled to dust, two at a spot that could not be determined.

(b) *Animal bones* were found in 18 graves (8, 10, 24, 28, 30, 38, 40, 44, 49, 57, 65, 66, 72, 76, 78, 79, 81, 83), in twelve cases at the foot-end of the pits, in three graves at a height corresponding to the height of the coffin, in one on the outer side of the right arm, outside of the femur and in the disturbed grave-filling, that is to say, in the majority of the pottery came to light in the region of the feet. (A striking feature is that meat (animal bones) was given to adults, whereas liquid food and drink (pottery) was mostly deposited in children's graves and in graves of babes. Based on the determinations performed on the site in the very course of the excavation cattle and chicken bones together came to light in two graves (24, 49), cattle bones in six graves (8, 38, 40, 44, 72, 81), chicken bones in four graves (28, 30, 57, 66), the bones of other mammals in six graves (10, 65, 76, 78, 79, 83). Grave 57, in addition to chicken bones grave 57 yielded a perforated bone of a crane (*Grus grus*). We have assigned the latter item to the group of pendants and toys.

(c) *Eggshells* were discovered in three graves (28, 83, 103). They were found near the bones of the right hand and forearm (83), between the knees (103) and in grave 28 in the disturbed grave-filling. Together with animal bones they occurred in two graves (28, 83), without animal bones eggshells came to light in single grave (103).

### 5. *Orientation*

Apart from deviations of lesser significance the orientation of the graves was nearly uniform which suggests the presence of a closer community. The skeletons were found with their skulls pointing in a direction ranging between NW and N. 78 Graves lend themselves to the closer inspection of the orientation, out of which 48 grave pits were aligned NNW–SSE, 22 NW–SE, 5 N–S with some deviations. The graves oriented N–S more often yielded early type Avar Period finds, those to lying in NW–SE direction finds of the late Avar Period.

### 6. *Disturbed graves*

In the investigation into disturbances in our excavations only 97 graves could be examined, as the former owners of the site of the cemetery, in respect of graves 1–5, 93–95 and from 106 on, to the end (grave 123?) did not pay attention to the traces of earlier disturbances. Early disturbances were ascertained in 31 graves (8, 11, 12, 15, 17, 18, 20, 24, 25, 26, 28, 29, 31, 33, 36, 39, 43, 47, 48, 49, 60, 61, 65, 68, 77, 84, 85, 86, 88, 89, 92). In addition also such robberies were possible in which the human bones were not moved from their position. This is also suggested by another experience: in the vicinity of a number of graves the robbers dug down at right angles (e. g. grave 47) to snatch the earrings and necklaces expected to be of high values (grave 43). In



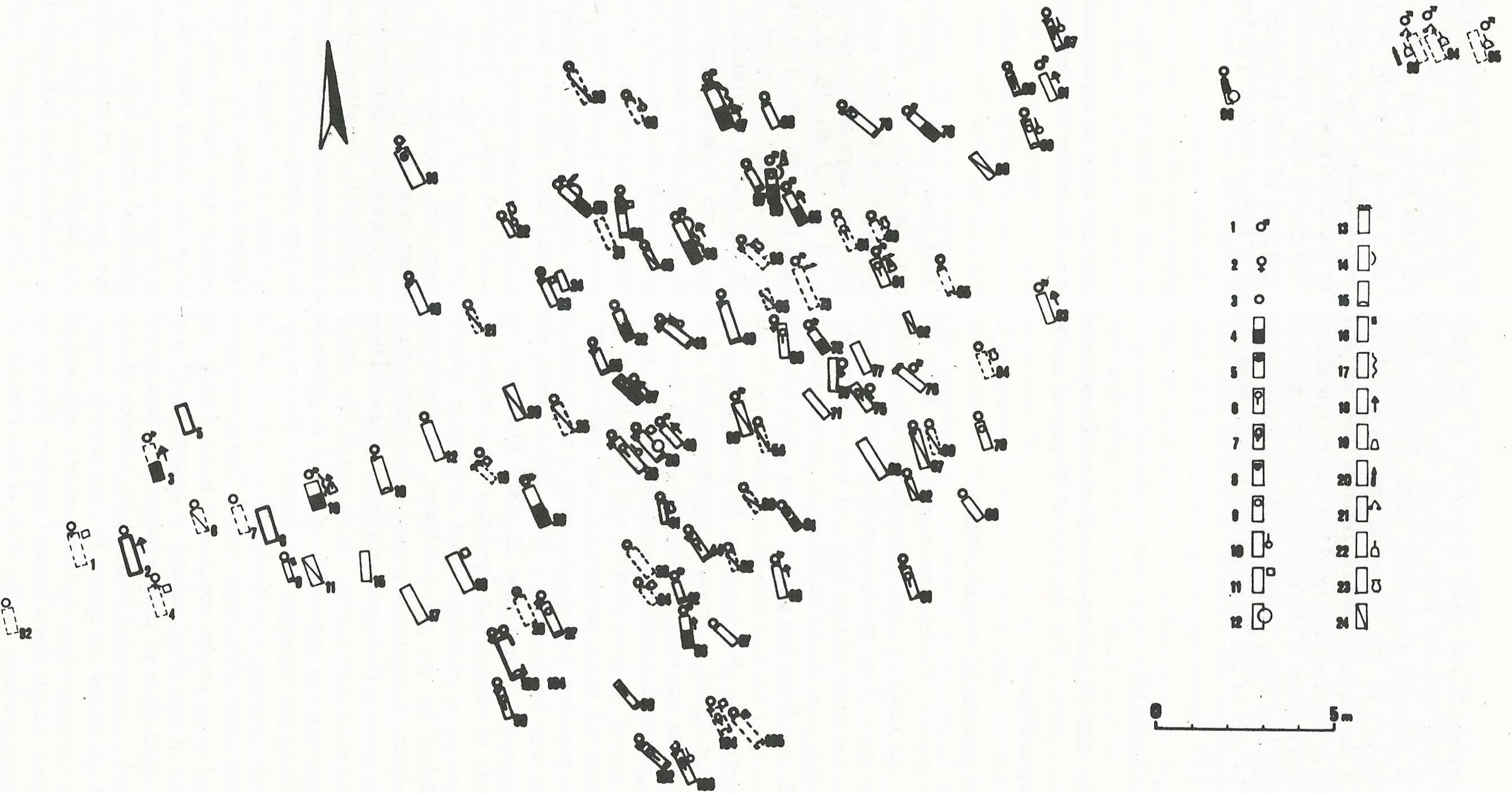


Fig. 4. Analysed plan of the cemetery. Grave-goods. 1: male, 2: female, 3: child, 4: belt-ornament, 5: earring with metal-pendant, 6: earring with glass bead-pendant, 7: oval earring, 8: earring with pendant made up of granules, 9: penannular earrings, 10: melonseed-shaped bead, 11: other sorts of beads, 12: bracelet, 13: hairplait-ornaments, 14: iron strike-a-light, 15: spindle-whorl, 16: needle-case, 17: bow, 18: arrow, 19: quiver, 20: spear, 21: horse-bit, 22: stirrup, 23: pottery, 24: unfurnished.



grave 86 the graves of red paint preserved in the position of the skull indicate that a painted headdress had been removed from among the grave-goods. In grave 12, of a child, in addition to the grave pit of unusual dimension, small fragments of gold foils preserved of the ornament of a fur cap (?) testify to the grave having been disturbed to a level deeper by 50 cm than the emplacement of the skeleton which renders obvious that the plunderers had searched for objects suiting the rank of the deceased, and not having found them at the usual position of the grave-goods.

The uniform system of the disturbances indicates that the graves that had contained valuable grave-furnishings had been plundered in the same periods, at times of civil disorders and political uncertainty. The aim of the disturbances was to seize objects of higher values. The burial customs are shown in Fig. 3.

#### IV. GRAVE-GOODS

Out of the 123 (?) graves excavated we have determined 26 were as being male, 34 female and 36 children's graves. For the rest of 27 graves no bases sufficient for sex determination came in our possession (Fig. 4).

##### 1. Dress and personal ornaments

(a) *Male graves.* Typical grave-goods are *belts* that had been used for gathering up and holding shirt-like clothing and gabardines; soft-soled boots; fur caps; less often earrings and hairplait ornaments. Conclusions regarding clothing may be drawn from oriental pictures,<sup>7</sup> buckles suggesting the presence of two belts, of belt ornaments and of stirrups with arched foot-rests.

Two *buckles* were found in fourteen graves, namely 3, 10, 30, 32, 40, 48, 59, 65, 73, 76, 83, 86, 99, 102. In the disturbed graves quite a few buckles might have got lost. The undergarments were held by smaller buckles and belts, gabardines by larger ones. Mount-decorated „double belts” were not unearthed in the cemetery. In three graves (3, 30, 65) one of the buckles was made of bronze. The item found in grave 3 represents the plain oval type with a segmented tongue; in grave 30 there was an oval buckle cast in one piece with its belt-plate showing contours of a human mask; grave 65 yielded an oval buckle cast in one piece with its frame-like belt-plate. The iron buckles are of various shapes and sizes, some of them are oval-shaped, others oblong in shape with incurved sides; trapezoidal and rectangular buckles were equally excavated. In grave 78 besides the repoussé belt-mounts only a plain oval bronze buckle came to light; the belt-strap bent back had been fastened by a rivet. Other rivets were found also with iron buckles furnished with small plates for them (grave 12, 58).<sup>8</sup> The small metal buttons discovered in grave 86 might have been parts of rivets that fixed the strap looped through the oval iron buckles.

The presence of *metal-mounted belts* was indicated in grave 15. The finest mounts were probably snatched by the grave robbers, yet those surviving still furnish valuable information. Among the seldom occurring repoussé belt-mounts that found in grave 32, with folded rims and decorated with zones of fluting should be mentioned. The same grave yielded repoussé rosette-mounts with beaded borders (the central fields are of the size of a nailhead). Rosette-mounts of different types were excavated in graves 65 and 78,<sup>9</sup> in grave 65 a quadrangular mount showing a row of chased dots along its edge also was found.<sup>10</sup> We believe the two strap-ends recovered from grave 59 to be relatively early specimens. They are of medium width and belong to the double-plate type with front-plate with foled rim.<sup>11</sup> The same grave yielded a strap-end tapering to make a peak; the front-plate shows motives of birds' heads (back-plate with folded rim).<sup>12</sup>

The belts of the dead buried in graves 3, 47 and 68 were equally adorned with repoussé mounts. The front-plate of the rectangular mount found in grave 3 shows geometrical design; the large strap-end is decorated with plant pattern of multi-foliated scroll type (vine tendril). The belt of the dead buried in grave 48 (plundered) must have been of an outstanding fineness as proved by the repoussé silver belt-ornaments with leaf-gilding. All the front-plates of the ornaments have folded rims which show beaded border. The survived shield-shaped belt-mount represents a couple of pigeons pecking at the fruit of the tree of life.<sup>13</sup> The large strap-end is decorated with geometrical pattern filling the main fields quadrangular and shield-like in shape. The items mentioned last are of importance to ascertain the chronology of the burials even in their mutilated condition. The griffin-decorated mounts and those bearing geometrical pattern are repoussé specimens.



The belt-set recovered from grave 10 may have been produced at the same time with the griffin decorated mounts of repoussé; the incomplete belt-set of grave 10 has among others a bronze small strap-end decorated with plant pattern in repoussé and quadrangular silver plate belt-mounts showing cut-out designs backed with gold plates;<sup>14</sup> the propeller-shaped mount of the same belt-set in cast in bronze and bears a beaded border. The plate mounts and cast propeller-shaped mount recovered in grave 10 give a convincing picture of the progress in time toward the production and use of the cast belt mounts recovered among the stray finds (117?). The large strap-end discovered in grave 10 must have been made of some crumbling material whereas only a fluted silver band with projecting strap-fastener survived. The repoussé mounts may be surmized to have belonged to the belt that had fastened the underwear, the plate belt-mounts and the propeller shaped mount to that fastening the gabardine. The small bronze plate found in grave 37 with two rivets and the fluted silver band belong to a large strap-end.

The *earrings* recovered in the male graves belong to the type with large globe-pendant assigned to the first half of the Avar Period and often met with in male and female graves, yet of smaller sizes and plainer executions. Earrings with small globe-pendants were found in grave 37 and 81, fragments of a penannular earring in grave 28.

*Hairplait-ornaments* came to light in graves 30, 47, 73, 76, 81. Every hairplait-ornament represents a different type. Those rescued in grave 81 were made of plain bronze plates, those in grave 47 adorned with geometrical patterns in repoussé. Grave 73 yielded specimens of silver-plated lead, they are decorated with beading-like borders.<sup>15</sup> From grave 30 „bar-type” hairplait-ornaments were recovered.

(b) The *female* graves yielded few grave-goods that could be connected with clothing. Belt *buckles* (bronze or iron buckles) have survived in twenty-one graves (4, 16, 21, 23, 36, 38, 43, 44, 49, 58, 74, 89, 96, 97, 98, 99, 100, 102, 103, 104, 107). The shapes of the buckles were similar to those recovered in male graves. Six graves (4, 23, 36, 38, 99, 102) yielded a second buckle each of oval or circular shape, to suspend a knife or some other tool. In grave 103 at the end of a knife tang a bronze ring came to light.

As regards jewellery a greater diversity was found in female than in male graves. The earliest *earrings* are circular in shape, their pendants consist of hollow metal globe-pendants (graves 14, 38, 96). The earrings with pendants of cone-frustum type settings tipped with semispherical parts (grave 58) belong to a later period. This type of earring was succeeded by the type the pendant of which was made up a cone-frustum type setting and globular glass bead-pendant (graves 27, 36, 44, 61, 79, 98, 102, 107). The latest items are oval in shape, their hoops are decorated by „muffs” and beaded wire; the glass bead-pendants joined by pseudogranulation to the hoop are longish in shape (graves 75, 97, 98, 103, 104).<sup>16</sup>

Indications suggesting the existence of *strings of beads* were found in thirteen graves: old-type coloured glass beads in graves 23, 39, 104, 106; bronze beads in one grave (4); amber beads in one grave (4); multi-coloured beads in three graves (1, 4, 96); snail shall-shaped large bead in one grave (4); small brown and yellow beads in four graves (23, 38, 89, 97); large beads with coloured inlays in one grave (89); segmented beads in two graves (23, 43); and melonseed-shaped glass beads in six graves (36, 43, 89, 97, 103, 106) were discovered. Some other objects than beads were worn as making part of a string of beads, as components of a necklace. Grave 56 yielded a perforated small Roman *bronze coin* (Maximianus I).<sup>17</sup> In grave 102 an *earring* with small globe-pendant in grave 38 *chain-links* strung between beads; in grave 23 reduced imitations of the pieces of *toilet appliances* came to light. The latter will be discussed together with the pendants of similar types unearthed in children’s graves. *Bracelets* have survived in two graves (39, 96); they were made of iron wire by *fashioned* simple bending. A *finger-ring* with a slightly convex bezel of repoussé and a leaden disc as ornamental piece for a purse were found in one grave (96).

(c) *Children’s graves*. Among the thirty-six children’s graves of the cemetery fourteen were found unfurnished. Out of the *buckles* that had been used to fasten pieces of clothing three were oval-shaped (graves 7, 87, two in 106); one trapezoidal (grave 71), three quadrangular or oblong-shaped (graves 12, 64, 70). A circular buckle or an iron ring was found in a single grave (105). One of the buckles of grave 87 was fixed with a bronze rivet to the belt. A mount-decorated belt was deposited in grave 64; from grave 12 three trefoil-shaped repoussé belt-mounts of silver-gilt have survived.<sup>18</sup> The fragments of the gold foils brought to light in grave 12 might have been ornaments to a fur cap.



In spite of the great number the children's graves they yielded few jewels. *Earrings* with glass bead-pendants were found in grave 51; grave 70 yielded a penannular earring; the oval items excavated in grave 90 have pendants made of longish glass beads; these earrings belong to a later burial phase within the cemetery. In grave 105 traces of bronze patina observed on the skull of the skeleton indicated the presence of oxidized plain earrings.

The string of *beads* found in these graves were equally poorish. In grave 19 Sarmatian beads in grave 34 tiny brown beads, in grave 22 melonseed-shaped beads a light green Sarmatian bead were recovered; grave 46 yielded melonseed-shape beads.

Among the finds which may have been stringed an ornamental *gilt-bronze plate* was yielded by grave 19. The repoussé plate bearing indented interlace pattern represents the stylized ribbon-stile animal ornament of the Germanic (?) world. Together with the old-type beads this find dates the grave to the early Avar Period. In grave 64 an earring with globe-pendant was found among the beads; the same necklace also contained *iron chain-links*. Further items of interest are the small *pendants imitating part of toilet appliances* and tools came to light in femal grave 23 (a girl?) and in two child graves (46, 64). Grave 23 yielded a rectangular and a shovel-like *filter spoon* with perforations, together with a pair of *tweezers* reminding those used in cosmetics for epilation, and earring pendants made of narrow metal plates bent back. A small bronze plate with scalloped border together with an oblong and a shield-shaped piece were excavated in grave 46 and a small bronze pendant, sawlike in shape was discovered in grave 64. The use of such ornamental pendants was by no means a local (Csengele) custom, but deeply rooted and widespread in this period.

A *perforated crane (?) bone* for wear in the neck was discovered in grave 57 inside the right arm of the skeleton. The position of the object suggests the idea that it might have been used for the „skeleton” of human figure („puppet” like our peasant-art „dressed wooden spools”); considering the length of the bone item it may be surmized to be the surviving part of a toy. Cs. Bálint holds it to be a talisman — an ongon averting evil.<sup>19</sup>

## 2. Tools, implements

(a) *Male graves*. They were poorly furnished with tools. *Knives* came to light in twenty graves, pairs of them in four graves (28, 59, 65, 78). The only grave from which no knife was recovered was no. 40, and no knife was delivered to the Museums by the owners of the plots who opened up graves on their own, either. The knives were of the straight-edge type; some of them were large enough alternatively to be used as weapons (graves 2, 32, 59, 81, 83). All of them were fit for use in wood and bone carving as well as at meals.

Irons *strike-a-light* and *flints* were recovered in grave 30, fragments of an iron strike-a-light in grave 48, flints alone in graves 59 and 108.

(b) *Female graves*. In spite of the many disturbances *knives* came to light in nineteen graves (4, 13, 14, 16, 34, 38, 39, 44, 49, 56, 58, 61, 66, 74, 85, 89, 96, 102, 103). Two knives were unearthed in each of two graves. The types of the knives were like those recovered from male graves, yet, as a rule, somewhat smaller. Four graves still yielded large-sized knives (13, 16, 36, 96).

*Spindle-whorls* were everyday tools of women and girls engaged in spinning. Such items came to light in numerous graves. In those of females (graves 16, 25, 38, 39, 43, 44, 49, 79, 85, 89, 97, 98, 100, 102, 104, 107) invariably spindle-whorls, in the grave of a girl (27) a disc-shaped spindle-whorl were deposited. Based on those expounded above the spindle-whorl discovered in grave 100–101 had belonged to the mother, not to the child. Some of the spindle-whorls are undecorated, the majority are decorated with girth-grooves; only a single of them (25) was adorned with zones of wavy lines.

(c) *Children's graves*. *Knives*, naturally, were less often deposited with children than with adults. This is the probable reason why knives were found in nine children's graves only, where the dead child had been versed in the use of a knife, at least to a certain extent (graves 12, 19, 26, 63, 64, 70, 71, 87, 105). Out of the knives recovered only that found in grave 63 was of a somewhat larger size.

Clay *spindle-whorls* were deposited in graves 19, 42, 57, 90, 105 and 27. Except the biconical specimen found in grave 9 the are discoid in shape; the spindle-whorl coming from grave 27 is already mentioned in the discussion of the femal graves. The biconical spindle-whorl was decorated



with two incised wavy lines, the disc-shaped one coming from grave 19 shows an incised radial pattern; the rest were plain earthenware discs. A badly preserved *iron needle* came to light in grave 9, a *bone needle-case* in grave 105.

(d) *Finds coming from graves with skeletons of unknown sex and stray finds.* The grave-goods of graves 5, 8, 11, 15, 17, 18, 20, 24, 31, 68, 77 and 88 were assigned to the first group. Their characteristic features included that every grave had been disturbed, and the grave-goods may belong to male and female dead alike. Out of the twelve graves three (11, 20, 88) were found completely plundered. Two *iron buckles* turned up in both graves 15 and 31, one in each of the graves 17, 18, 24, 68 and 77, the latter oval-shaped. Two *iron rings* or circular buckles have survived in grave 5; two *knives* in graves 17 and 77 (one of the knives large-sized); one in each of graves 8, 18, 31, 68. In the discussion of coffins the fragments of *hook-nails* unearthed in graves 5, 8, and in connection with food offerings *animal bones* of grave 24 have been mentioned. The coloured single *bead* made of some hard material recovered in grave 18 might equally have belonged to the string of beads of a woman, and like numerous early Avar finds in which a bow or a sword made part among other grave-goods they might have come from a male or a female grave equally well.<sup>20</sup>

As to the numbers of male and female graves in which the sex of the dead could be determined the number of male graves (26) was smaller than those of female ones (34). This is why we believe that among the 12 skeletons of unknown sex there were probably more males than females. This assumption has also been confirmed by the primary objective of the disturbances having been the recovery of weapons and belt-sets concealed in the graves.

As mentioned in the introductory part the finds of graves 109–123 (?) came to light while the owners of the plots did agricultural works. In the course of our data processing operations it turned out that the bone bow-plates registered among the grave-goods of grave 114 belonged to the published material of another cemetery. Therefore also the rest of the incomplete assemblage of the said graves had to be classed as *stray-finds*. The cast *bronze small strap-end* might have been recovered from grave 177 (?) with a *belt-mount* and a *belt-hole guards*. Considering the decoration by flat-leaf tendrils and, the incomplete belt-set, these items, together with the grave-goods of grave 83 should be handled as belonging to the last burials within the cemetery. The knife of grave 113 (?) and the fragments of a knife fall in line with the similar grave-goods of the cemetery. The *earrings* with large globe-pendants, the strings of beads composed of tiny yellow and brown *beads* had belonged to a female grave each.

From the probable time of the interment of the earrings with large globe-pendants compared with that of the incomplete belt-sets and stray finds we may obtain starting points regarding the burial phases within the cemetery and the assumption that another „burial centre” could be located on the third plot of ground.

### 3. Weapons

*Bone fittings for bows* were rescued in graves 10, 47, and 48. The stiffeners from the terminals are of the slightly widening type. Besides iron rings objects suggesting the presence of quivers came only from graves 10, 59 and 81, and they were no typical pieces either, some small iron fittings and iron rivets. In sixteen graves *arrowheads* indicating the belonging of the late owners to the archers were found. Five arrowheads were recovered in grave 37; three in graves 2, 59; two in graves 47, 48, 83, 108; one in graves 3, 10, 23, 40, 60, 65, 81, 86, 91, plus two among the stray finds. Only two of the arrowheads excavated in grave 83 were of the late socketed and barbed type items the rest was trilateral.<sup>21</sup>

A socketed iron *spearhead* came to light in grave 93. The stirrups found in the same grave are of the early oriental type. The blade of the spearhead is widened in the middle, the socket is broad in section; this type of spearheads often occurs among the Gepid weapons.

### 4. Harness

The graves of the earliest burial phase within the cemetery were probably those 93–95 yielding weapons. This is substantiated by the presence of the early type stirrups and of a socketed iron spearhead. From the grave-goods handed over to the Museum as yielded by the said graves there were two *horse bits* and four *stirrups*, three of the latter have oblong loops.<sup>22</sup>



## 5. Pottery

All vessels are hand-made specimens of refined clay. They are classed as coarse Avar pottery. They do not suggest the presence of a potter in the community that had used the site as burial ground.

Pottery did not come to light in male graves at all, and out of the female graves only in grave 56 (a young girl). As it was a single piece that came to light, it will be discussed here. Within the excavated area of the cemetery the number of vessels turned up totalled seven (graves 22, 29, 41, 56, 80, 84) and that marked „Sz. n.” as that of a child. Those discovered in graves 22, 41 and 56 are hand made pots of coarse material, bulging in their upper parts. The vessels found in grave 80 and in the grave marked „Sz. n.” are squat, their mouth is wide. Vessels of the same type keep turning up, though not so often, also in other Avar Period cemeteries. The type of the narrow-mouthed pot recovered from grave 84, with body narrowing towards the base occurs in the Kiskőrös–Tisza Region rarely. Grave 29 yielded a wide-mouthed pot decorated with zones of incised wavy lines, it belongs to the typical pottery vessels of the second half of the Avar Period.

## V. SUMMARY

The comparative chronologic sequence of the graves of the cemetery — additionally taking the finds excavated in other Avar cemeteries into consideration — has been fixed as follows. The burials of the earliest burial phase within the cemetery are represented by male graves yielding stirrups with oblong loop (graves 93, 94),<sup>23</sup> as well as by female graves that preserved earrings with large-globe pendants for which the attachment-bits are composed of small globulae and bossed beads were excavated (grave 96 and stray finds 3). The continuity in time of the burials is substantiated by the male graves containing earrings with large globe-pendants (32, 59), repoussé belt-mounts showing fluted borders (32), plate mounts decorated with rows of chased dots along their edges (65) and rosette-mounts of repoussé (graves 32, 65, 78), as well as by female graves yielding earrings with large globe-pendants of plainer construction (14, 38), amber and bossed glass beads (4). The next burials are the male graves having hairplait-ornaments of repoussé (47, 73), plain earrings with glass bead-pendants (37, 81), repoussé belt-mounts decorated with geometrical pattern (3, 48) or with animal figures (47, 48), bone plates for bow-terminals of slightly widening type (47, 48); among the female graves those having yielded earrings with pendants of cone-frustum type setting tipped with a hemispherical part (58); earrings with glass bead-pendants imitating the type with small globe-pendant (36, 44, 51) or old-type glass beads (19). The next period of burials is characterized by the male graves containing repoussé belt-ornaments or plate-mounts of other type (10, 64: child) and hairplait-ornaments of „bar-type” (30, 76) plus female or children's graves that preserved a great variety of large-sized earrings with glass bead-pendants (27, 36, 61, 102).

Late Avar Period graves common knowledge are those in which socketed arrowheads (83) and cast belt-ornaments decorated with flat-leaf tendrils (stray finds) were discovered, and female graves yielding oval earrings with glass pendants (75, 90, 97, 98, 107) equally belong here.

Following those said above in the cemetery plan (Fig 4). It appears that in the area where stirrups with oblong loops were unearthed (graves 93, 94) the owner of the land discovered an early part of the cemetery. The W limit of this part is marked by female grave 96. In the NW part of the excavated area the earlier graves (12, 19, 30, 32, 37, 38, 47, 48, 59, 65, 73, 78, 81) are surrounded on the S, SE and NE by a semicircle of later graves (75, 76, 83, 89, 90, 97, 98, 103, 104). The farthest graves on the W (1–4, 92) may have belonged to the parts not yet excavated, to a third clan and the graves 109–123 (grave-goods of which are discussed were as stray finds) might have completed this third group.

The stirrups recovered in graves 93–94 might have been deposited at some date in the first decades after 600, whereas the latest burials took place in the second half of the VIIIth century. These graves may harbour the dead of the Avar population on the way of pauperization, as well as those of the recently arrived waves of peoples.



NOTES

- <sup>1</sup> At the time of the excavations Author was a junior official in the Szeged Városi Múzeum.
- <sup>2</sup> Author was unaware of graves 109–123/2, and J. Korek does not mention them in the descriptions of the objects. The notes were made in 1942.
- <sup>3</sup> In Csallány's Register of Sites the cemetery is entered under No. 160.
- <sup>4</sup> According to information received from Prof. Pál Lipták, Head of the Department of Anthropology of the Szeged József Attila University. — After the second World War the skeletal material of not more than three graves (14, 38, 50) could be identified.
- <sup>5</sup> Similar clench-nails for the coffin had been known of earlier Gepid graves: Török (1936) *Dolg.* pp. 35–36, Pl. LI, XIX, graves 27 and 367.
- <sup>6</sup> Burials in groups of graves are reflected also by the late (griffin-and-tendril) period of the Halimba Avar cemetery: Cf. Török (1976) *Festschrift für Pittioni* pp. 351–365.
- <sup>7</sup> Sarre (1923) *Die Kunst des alten Persien*, pp. 107–108, fig. 112.
- <sup>8</sup> Csallány (1939) *FA* pp. 142, 170, Pl. VII, 30.
- <sup>9</sup> Szeged–Csengele grave 1: op. cit. pp. 127, 159, Pl. VII 15–17; Török (1954) *Arch. Ért.* p. 56; graves 21 and 25: Salamon (1969) *Acta Arch. Hung.* p. 295, fig. 8.
- <sup>10</sup> Cf. Garam (1976) *FA* pp. 140–162.
- <sup>11</sup> Csallány (1939) *FA* pp. 126, 157, Pl. III, 4.
- <sup>12</sup> For the Byzantine origin of the decoration of the strap-end cf. Csallány (1955) *AntTan* p. 107, Pl. III, 9.
- <sup>13</sup> For the explanation of similar mounts cf. László (1967) *Acta II. Congr. Intern. Hist. Salisburgo-Ratisbonensis* pp. 142–152.
- <sup>14</sup> Horváth (1935) *Üllő und Kiskőrös* pp. 31, 33, Pl. XXI, 40–44.
- <sup>15</sup> Together with the cast belts-ornaments of „griffin-and-tendril-type”: Török (1975) *Kiskőrös-Pohibuj Macko* pp. 287–288, fig. 2, 3.
- <sup>16</sup> Čilinská (1966) *Nové Zámky* types III b and III c, pp. 142, 145.
- <sup>17</sup> Maximianus Herculus (286–305) *Coh. 2 VI 62 PB 6f.*
- <sup>18</sup> Characteristic for the earlier occurrence of the motive are the belt mounts of Keszthely–Fenekpuszta grave 15, also decorated with „dot-and-comma” motifs: Barkóczi (1968) *Acta Arch. Hung.* p. 283, Pl. LXIII, 1–16.
- <sup>19</sup> Bálint (1975) *Arch. Ért.* pp. 52–53.
- <sup>20</sup> Török (1954) *Arch. Ért.* p. 56, Pl. XI, 16; Jánoshida grave 26: Erdélyi (1958) *Jánoshida* p. 10, Pl. XII, 8.
- <sup>21</sup> Similar arrowheads turned up among the finds of the Sopronkőhida-type cemeteries and in the closing graves of four grave groups of the Halimba cemetery: Török (1973) *Fontes Arch. Hung.* pp. 44.
- <sup>22</sup> The Csengele antecedences of the stirrups with oblong loops were presented by Csallány (1939) *FA* pp. 147, Pl. VIII, 4, 5.
- <sup>23</sup> Kovrig (1955) *Acta Arch. Hung.* pp. 163–192.



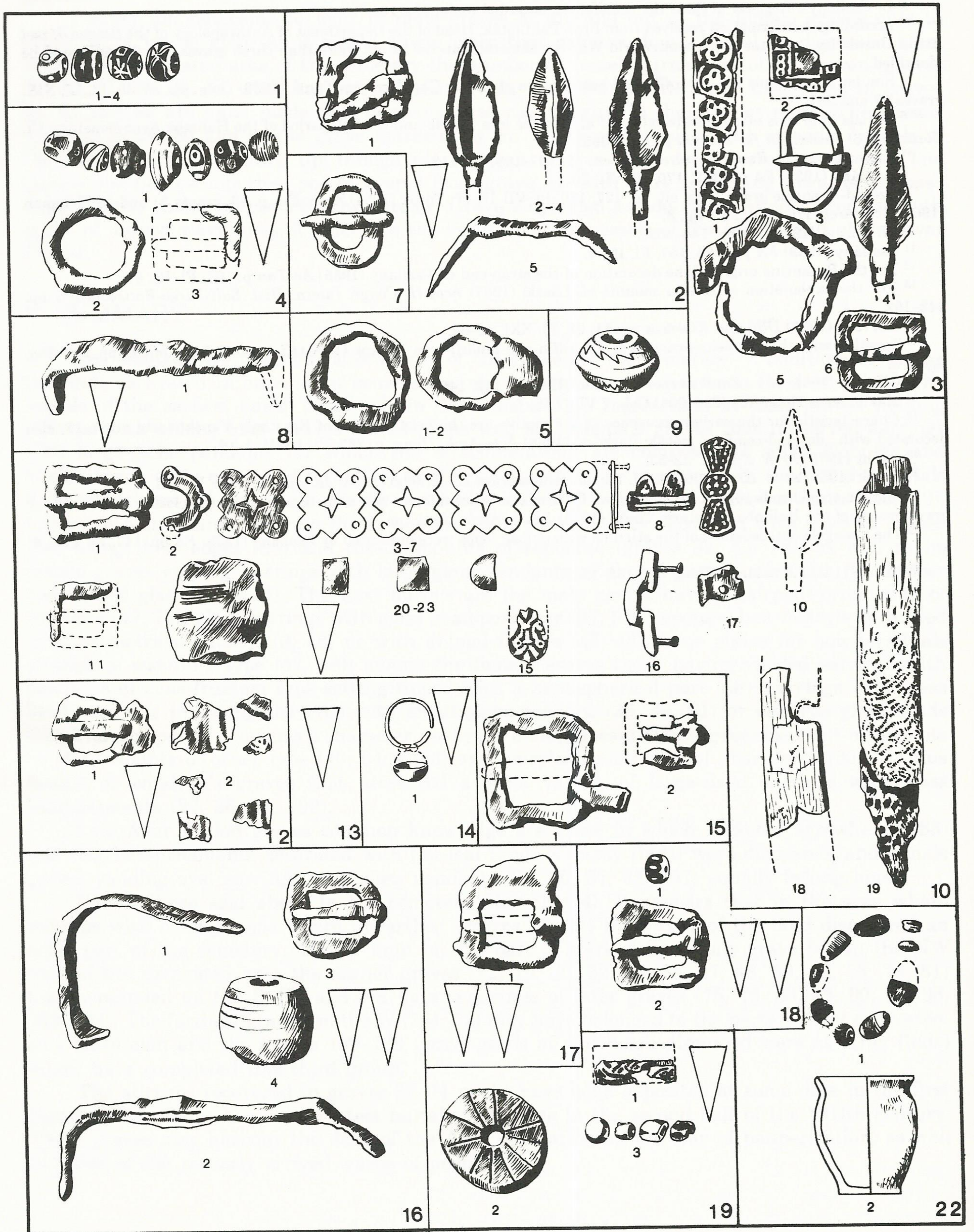


Plate 1. Csengele-Feketehalom. Graves 1-5, 12-19, 22



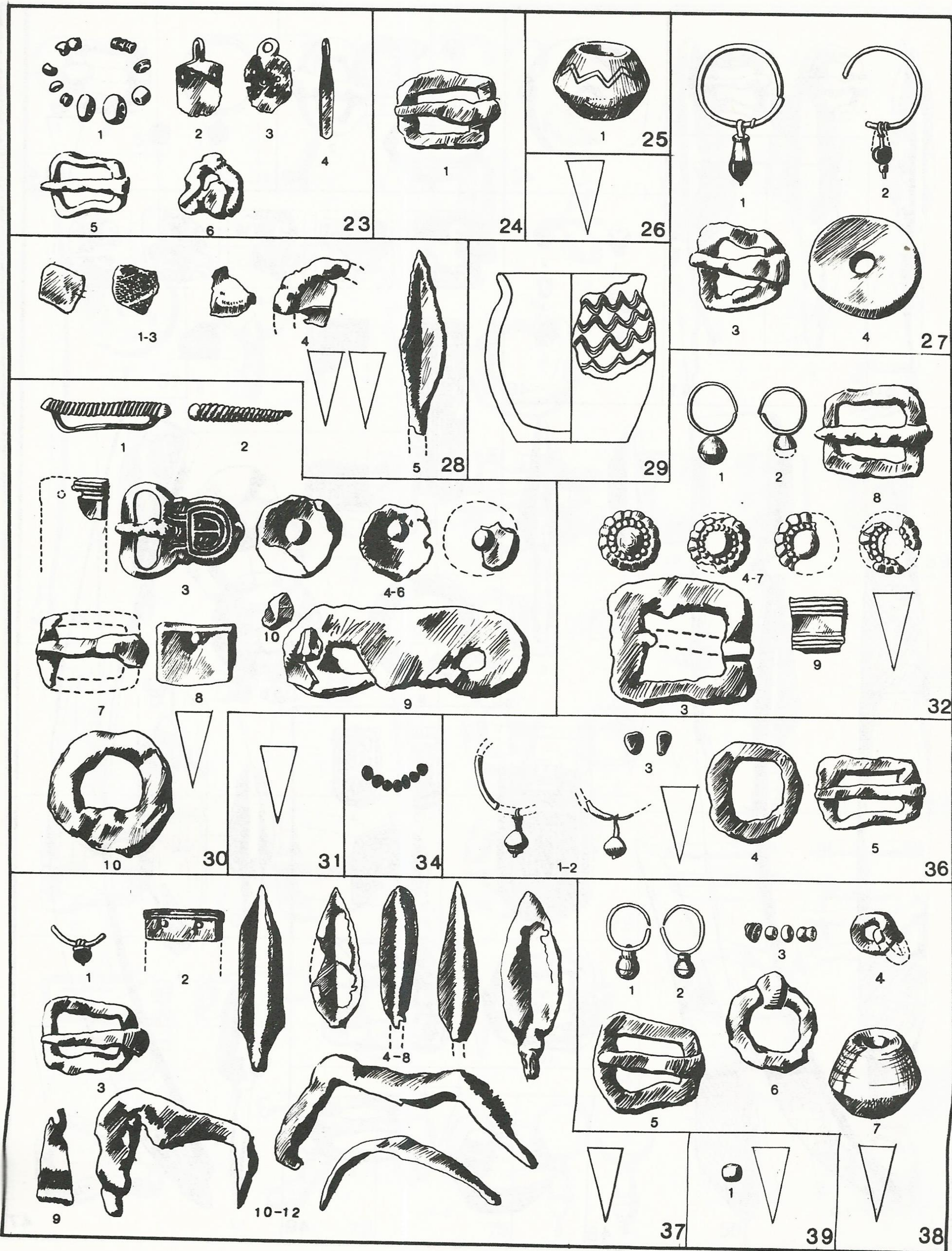


Plate 2. Csengele-Feketehalom. Graves 23-32, 34, 36-39



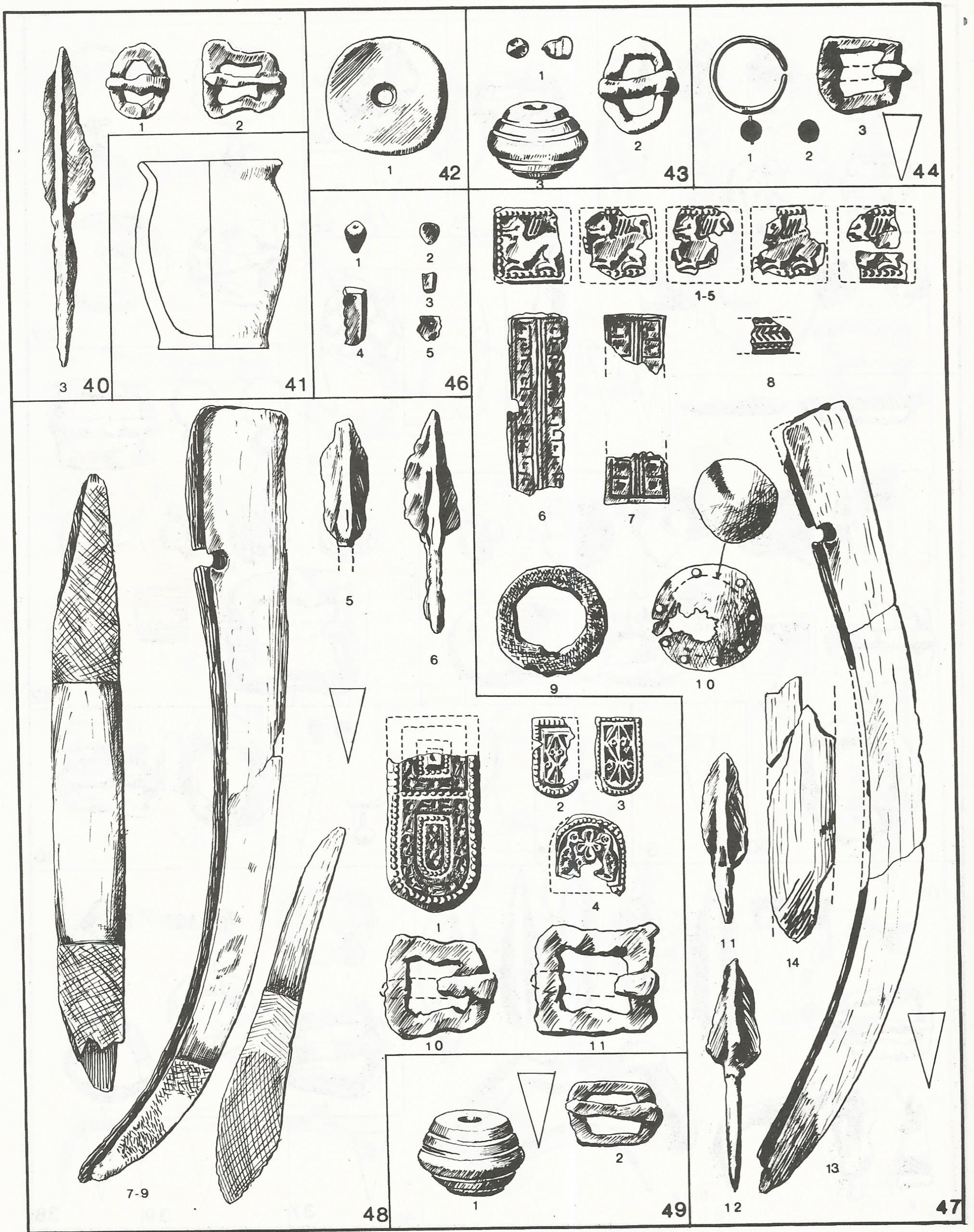


Plate 3. Csengele-Feketehalom. Graves 40-44, 46-49



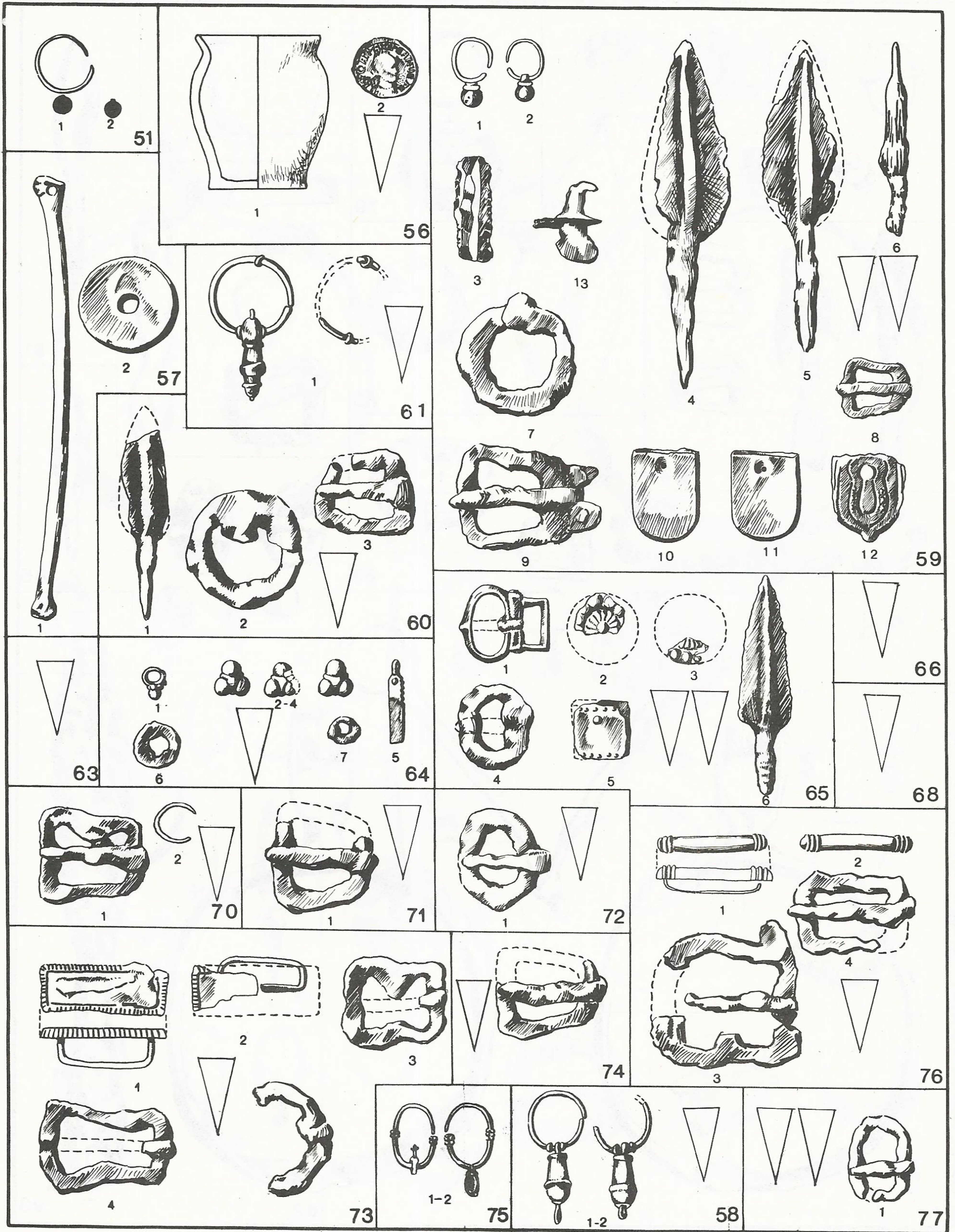


Plate 4. Csengele-Feketehalom. Graves 51, 56-61, 63-68, 70-73, 75-77



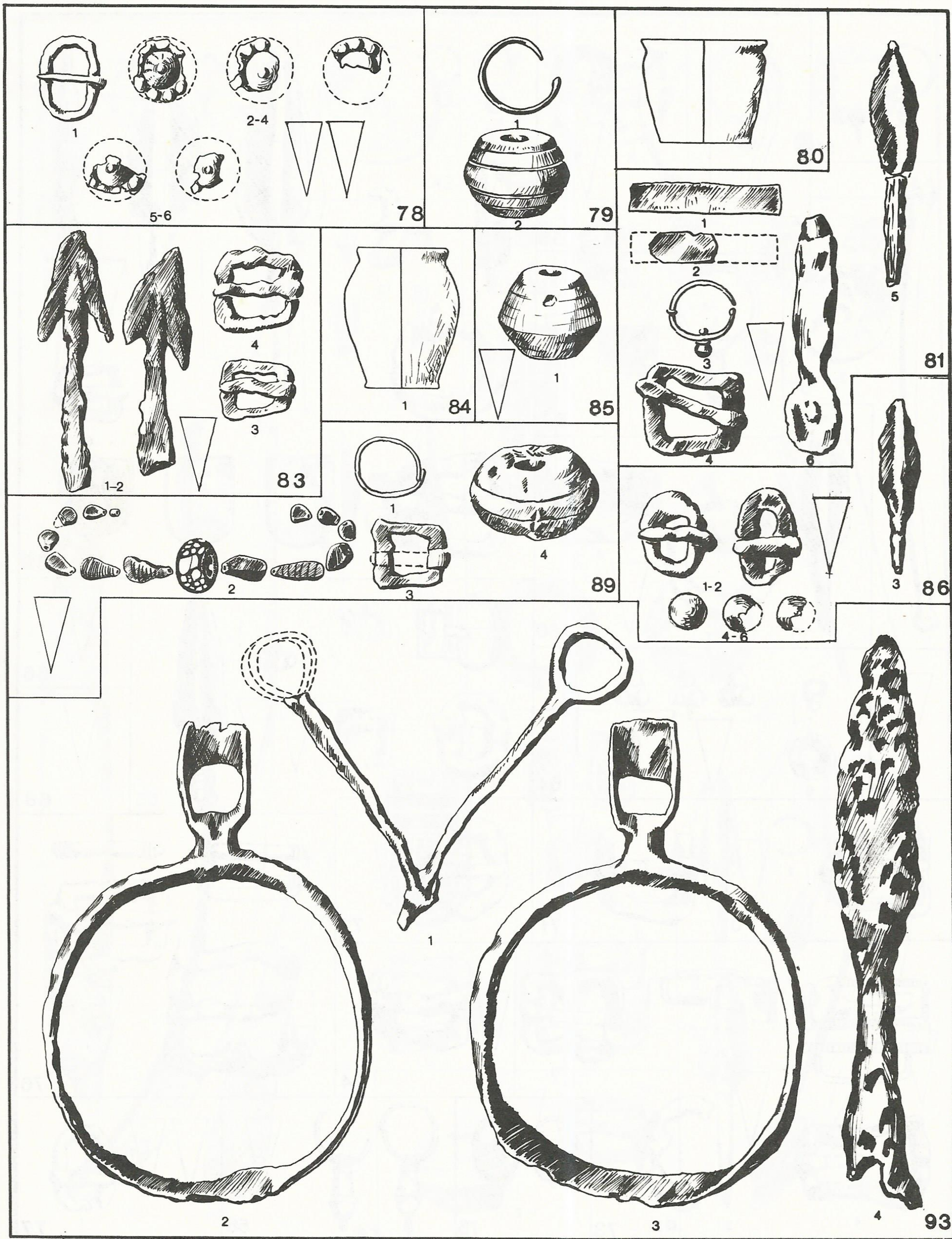


Plate 5. Csengele-Feketehalom. Graves 78-81, 83-86, 89, 93



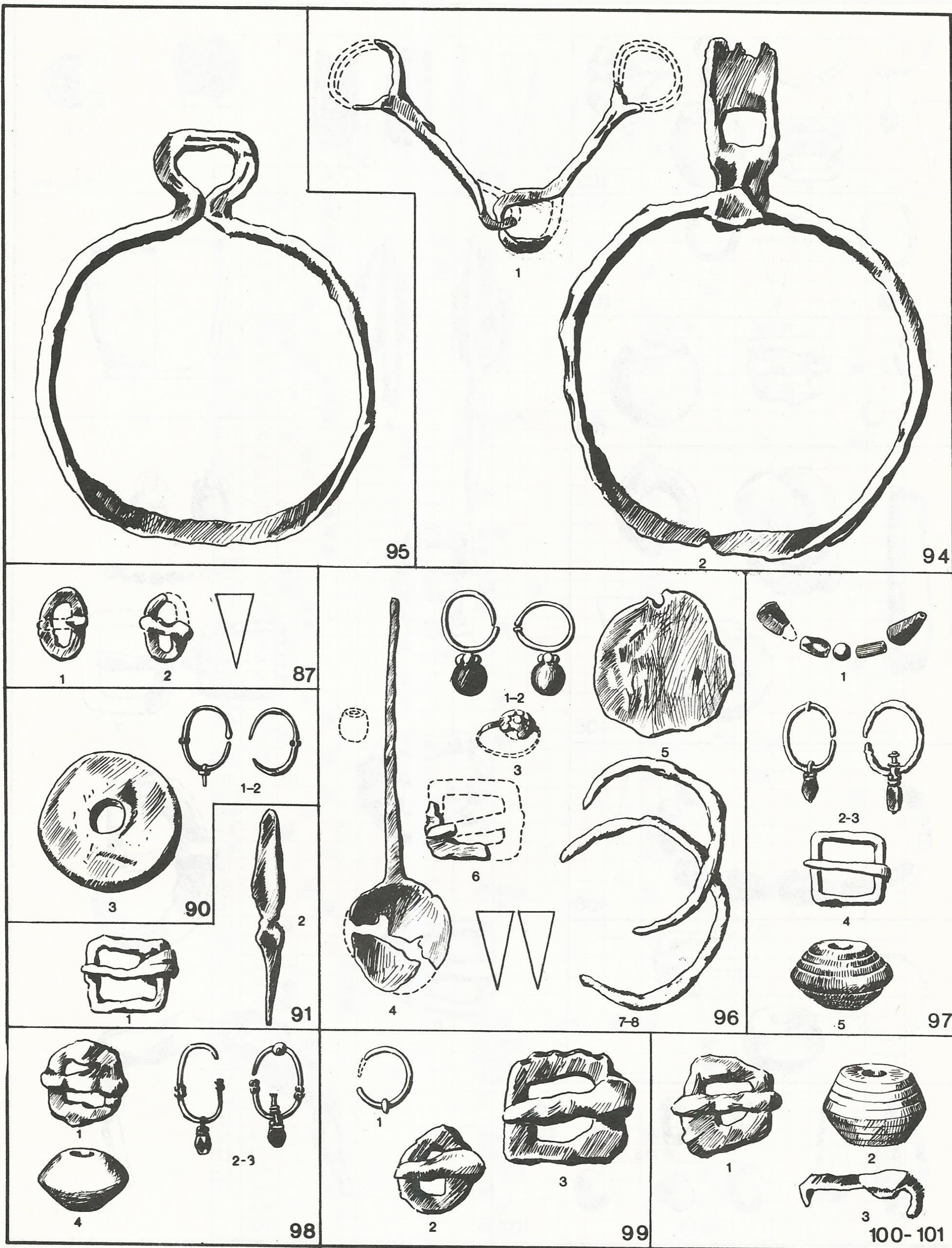


Plate 6. Csengele-Feketehalom. Graves 87, 90-91, 94-101



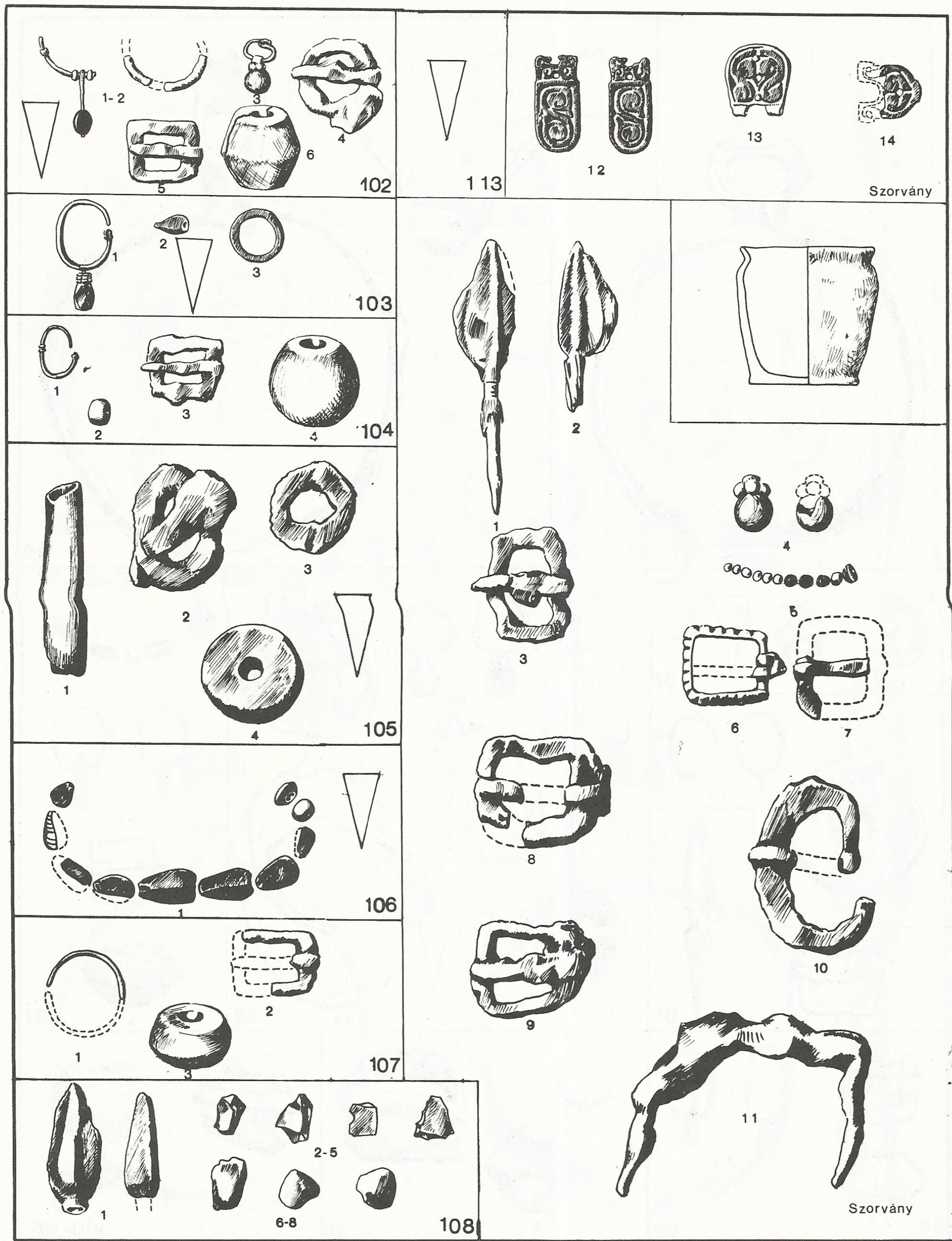


Plate 7. Csengele-Feketehalom. Graves 102-108; grave without number; stray finds.



Csengele-Feketehalom

		MALE	FEMALE	CHILD	HORSE	COFFIN	POTTERY VESSEL	ANIMAL BONE	EGG	COIN	MOUNT DECORATED BELT	IRON BUCKLE	EARRING	BEAD	HAIRPLAIT-ORNAMENT	BRACELET	FINGER RING	PENDANTE, CHAIN	TOILET APPLIANCES, SPOON	TWEEZERS	IRON KNIFE	IRON RING	STRIKE-A-LIGHT, FLINT	SPINDLE - WHORL	NEEDLE - CASE	BOW	ARROW	QUIVER	SPEAR	BRIDLE-BIT	STIRRUP	DISTURBED		
F3	51			●									●																					
F5	52			●																														
F5	53			●																														
F4	54			●																														
F3	55			●																														
F3	56		●				●			●												●												
F2	57			●				●																●										
F3	58		●									●	●										●											
F2	59	●									●	●	●										●				●	●						
F5	60	●										●											●				●						●	
G5	61		●									●											●										●	
G4	62			●																													●	
G4	63			●																														
F5	64			●							●	●	●	●				●																
F2-3	65	●						●			●	●															●						●	
F2	66		●					●																			●						●	
G4	67		●																															
G4	68											●											●										●	
G4	69			●																														
G4	70			●								●	●										●											
F4	71			●								●	●										●											
F3	72	●						●			●	●	●										●											
F3	73	●										●	●		●								●											
F4	74		●									●	●										●											
G4	75		●									●	●										●											
G4	76	●						●				●	●		●								●											
F3-4	77											●											●										●	
G2	78	●						●			●												●											
F2	79		●					●				●	●											●										
G3	80			●				●																										
G3	81	●						●				●	●		●								●				●	●						
G3	82			●																														
H3	83	●						●	●			●											●					●						
G3-4	84			●				●																									●	
G3	85		●																					●									●	
E5	86	●										●	●										●										●	
F5	87			●								●	●										●											
G2	88																																	
H2	89		●									●	●	●									●										●	
G1	90			●								●	●											●										
H1	91	●										●															●							
A6	92			●																													●	
K1	93	●		●																													●	
K1	94	●		●																													●	
K1	95	●		●																													●	
J1	96		●									●	●		●	●			●															
H1	97		●									●	●	●										●										
E6	98		●									●	●											●										
D6	99		●									●	●																					
D6	100		●	●		●						●	●											●										
D6	101			●																														
E6	102											●	●										●											
E6	103							●				●	●	●									●	●										
F6	104											●	●	●										●										
F6	105			●								●	●										●	●		●								
	106												●										●											
	107											●	●											●										
	108																							●				●						



		MALE	FEMALE	CHILD	HORSE	COFFIN	POTTERY VESSEL	ANIMAL BONE	EGG	COIN	MOUNT-DECORATED BELT	IRON BUCKLE	FARRING	BEAD	HAIRPLAIT-ORNAMENT	BRACELET	FINGER RING	PENDANTE, CHAIN	TOILET APPLIANCES, SPOON	TWEEZERS	IRON KNIFE	IRON RING	STRIKE-A-LIGHT, FLINT	SPINDLE-WHORL	NEEDLE - CASE	BOW	ARROW	QUIVER	SPEAR	BRIDLE-BIT	STIRRUP	DISTURBED								
A5	1		●									●		●																										
A5	2	●				●					●	●		●								●																		
A4	3	●									●	●										●	●																	
B5	4		●									●		●								●	●																	
B4	5					●																●	●																	
B5	6			●																			●																	
B5	7			●								●																												
B5	8					●		●														●																		
C5	9			●																		●											●							
C5	10	●				●		●			●	●										●			●			●												
C5	11																					●					●	●	●											
D4	12			●								●										●											●	●						
C3	13		●																			●											●	●						
C2	14		●										●									●												●	●					
C5	15											●										●												●	●					
C4	16		●			●						●										●													●	●				
C5	17											●										●													●	●				
D5	18											●										●													●	●				
D4	19			●								●		●	●							●													●	●				
D4	20																					●														●	●			
D3	21			●																		●														●	●			
D3	22			●			●							●								●														●	●			
D3	23		●									●		●				●				●														●	●			
D3	24						●					●										●															●	●		
E4	25		●									●										●														●	●			
D5	26			●																		●															●	●		
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E5	29			●			●					●										●						●										●	●	
D2	30	●					●				●	●			●							●	●	●													●	●		
E3	31											●										●																●	●	
E3	32	●									●	●	●									●																●	●	
D2	33			●																		●																●	●	
E5	34			●										●								●																●	●	
D4	35			●																		●																●	●	
E4	36		●									●	●	●								●	●															●	●	
E4	37	●				●						●	●	●								●	●						●									●	●	
E2-3	38		●				●					●	●	●								●	●															●	●	
E4	39		●									●	●	●			●					●	●															●	●	
E4	40	●					●					●										●																	●	●
E5	41			●			●															●							●										●	●
E5	42			●																		●																	●	●
E3	43		●									●		●								●																	●	●
E5	44		●				●					●	●									●																	●	●
E3	45			●																		●																	●	●
E2	46			●										●								●																	●	●
E2	47	●									●	●			●							●	●																●	●
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## ABBREVIATIONS USED IN BIBLIOGRAPHY

Acta Arch. Hung. =	Acta Archeologica Hungarica Academica Scientiarum Hungaricae, Budapest
Ant.Tan =	Antik Tanulmányok -- Studia Antiqua Budapest
Arch. Ért. =	Archaeológiai Értesítő, Budapest
Arch. Hung. =	Arch. Hungarica Budapest
AR =	Archeologické Rozhledy, Praha
BerRGK =	Bericht der Römisch-Germanischen Kommissio, Mainz
Dolg. =	Dolgozatok a Szegedi Tudományegyetem Régiségtudományi Intézetéből, Szeged
EMÉ =	Egri Múzeum Évkönyve, Eger
FA = F	olia Archaeologica, Budapest
JPMÉ =	(A) Jannus Pannonius Múzeum Évkönyve, Pécs
MAG =	Mitteilungen der Anthropologischen Gesellschaft, Wien
Mitt.Arch.Inst. =	Mitteilungen der Archaeologischen Institute der Ungarischen Akademie der Wissenschaften, Budapest
MFME =	(A) Móra Ferenc Múzeum Évkönyve, Szeged
SLA =	Slovenská Archeologia Nitra
SomMK =	Somogy Megyei Múzeumi Közlemények, Kaposvár
Stud.Com. =	Studia Comitatus, Budapest
Stz =	Studijné Zvesti AU SAV, Nitra
VMKM =	Veszprémi Megyei Múzeumok Közleményei, Veszprém

## BIBLIOGRAPHY

- Andrae, R. (1973) Mosaikaugenperlen. Untersuchungen zur Verbreitung und Datierung karolingischer Millefioringlasperlen in Europa. *Acta Praehistorica et Archaeologica*. Berlin. 4 (1973) 101–198.
- Bálint, Cs. (1975) A szaltovo–majaki kultúra avar és magyar kapcsolatairól. — K voprosu o svjazjah saltovo–majackoj kul'tury s avarami i drevnimi Vengrami. — On the Avar and Hungarian relations of the Saltovo–Mayak culture. *Arch.Ért.* 102/1975) 52–63.
- Banner, J. (1957) Cs. Sebestyén Károly 1876–1956. *Arch.Ért.* 84(1957) 221–222.
- Barkóczi, L. (1968) A 6<sup>th</sup> century cemetery from Keszthely–Fenekpuszta. *Acta Arch. Hung.* 20 (1968) 275–311.
- Bartucz, L. (1966) A praehisztórikus trepanáció és orvostudományi vonatkozású sírleletek. *Paleopathologia* 3. Budapest (1966).
- Bárdos, E. (1978) Előzetes jelentés a pusztaberényi avar temető és Árpád-kori telep feltárásáról. — An Avar Cemetery and a Settlement from the Árpadian Age in Pusztaberény. *SomMK*. 3(1978) 81–94.
- Beranová, M. (1967) Beitrag zu einigen Besonderheiten auf den slawisch–awarischen Gräberfeldern in der Slowakei. *AR* 19 (1967) 186–193.
- Bialeková, D. (1967) Žitá keramika z pohrebisk obdobia avarskej riše v Karpatskej kotline. — Die gelbe Keramik aus den awarenzeitlichen Gräberfeldern in Karpatenbecken. *SLA* 15 (1967) 5–76. (1968) Zur Frage der grauen Keramik aus Gräberfeldern der Awarenzeit im Karpatenbecken. *SLA* 16 (1968) 206–227.
- Bóna, I. (1957) Az úrbőpusztai avar temető. — Le cimetiére avar de Úrbőpuszta. *Arch.Ért.* 84 (1957) 155–174. (1959) Die Langobarden in Ungarn. *Acta Arch. Hung.* 7(1959) 183–244.



- (1961–62) Beiträge zu den ethnischen Verhältnissen des 6–7. Jahrhunderts in Westungarn. *Alba Regia*, Székesfehérvár, 2–3. (1961–62). 49–68.
- (1968) Über einen archäologischen Beweis des langobardisch–slawisch–awarischen Zusammenlebens. *StZ* 16 (1968) 35–45.
- (1970) Avar lovassír Iváncsáról. — Grave of an Avar horseman at Ivánca. *Arch. Ért.* 97 (1970) 243–263.
- (1971) Ein Vierteljahrhundert Völkerwanderungszeitforschung in Ungarn (1945–1969). *Acta Arch. Hung.* 23(1971) 265–336.
- (1973) VII. századi avar települések és Árpád-kori magyar falu Dunaújvárosban. — Awarische Siedlungen aus dem 7. Jahrhundert und ein ungarisches Dorf aus der Árpádenzeit (11–13. Jh.) in Dunaújváros. Budapest 1973.
- (1979) A szegvár–sápoldali lovassír. Adatok a korai avar temetkezési szokásokhoz. — Das Reitergrab von Szegvár–Sápoldal. Beiträge zu den frühawarischen Bestattungssitten. *Arch. Ért.* 106 (1979) 3–32.
- (1980) Studien zum frühawarischen Reitergrab von Szegvár. *Acta Arch. Hung.* 32 (1980) 31–96.
- Borg, E. – Näsman, U. – Wegraeus, E. (1976) *Eketorp* Fortification and Settlement on Öland (Sweden). The Monument Royal Academy of Letters and Antiquities. Stockholm 1976.
- Bökönyi, S. (1963) A bólyi avarkori temető állatcsontmaradványai. — Untersuchungen der Tierknochenfunde des Gräberfeldes von Bóly–Sziebert puszta. *JPMÉ* (1963) 9–112.
- Chatzidakis, M. (1978) *The Greek Museums. Benki Museum. Athen.* 1978.
- Chropovský, B. – Vladár, J. – Ruttkay, A. (1978) Slovenská Akadémia Vied a 25 rokov archeologického badania na Slovensku. — Die Slowakische Akademie der Wissenschaften und 25 Jahre der archäologischen Forschung in der Slowakei. *SLA* 26 (1978) 345–382.
- Čilinská, Z. (1961) Nové nálezy falér zo slovansko–avarských pohrebis na Slovensku. — Neue Phalerenfunde aus slawisch–awarischen Gräberfeldern in der Slowakei. *SLA* 9 (1961) 325–346.
- (1966) *Slawisch–awarisches Gräberfeld in Nové Zámky. — Slovansko–avarské pohrebisko v Nových Zámkoch.* Archaeologica Slovaca, Fontes Tom. 7. Bratislava 1966.
- (1973) *Frühmittelalterliches Gräberfeld in Želovce.* Archaeologica Slovaca, Catalogi Tom. 5. Bratislava 1973.
- (1975) Frauenschmuck aus dem 7–8. Jahrhundert im Karpatenbecken. *SLA* 23 (1975) 63–96.
- Csallány, D. (1933) *A kunszentmártoni avarkori ötvössír. — Goldschmiedegrab aus der Awarzeit von Kunszentmárton* (Ungarn). Szentes, 1933.
- (1939) Kora-avarkori sírleletek. — Grabfunde der Frühawarenzeit. *FA* 1–2(1939) 101–180.
- (1940) Kora-avarkori edények Magyarországon. — Frühawarische Gefässe in Ungarn. *Dolg.* 16 (1940) 118–144.
- (1946–48) Szegedi avarkori sírleletek és hun-bolgár ivókürtök régészeti kapcsolatai. — Rapports archéologiques entre les trouvailles tombales de l'époque avare de Szeged et les cors à boire Hunno–Bulgares. *Arch.Ért.* (1946–48) 350–361.
- (1952) Vizantijskie monety v avarskih nahodkah. — L'importance de la circulation monétaire byzantine pour le legs archéologique des Avars. *Acta Arch. Hung.* 2 (1952). 235–250.
- (1954) A bizánci fémművesség emlékei. — Pamjatniki vizantijskogo iskusstva obrabotki metallov. — Quelques spécimens de l'art byzantine des métaux. *AntTan* 1 (1954) 101–128.
- (1956) *Archäologische Denkmäler der Awarzeit in Mitteleuropa.* Budapest, 1956.
- (1957) A bizánci fémművesség emlékei. II. Bizánci csattok, csattveretek. — Relich of Byzantine metallwork. II. Byzantine buckles, bucklemounts. *AntTan.* 4 (1957) 250–274.
- (1961) *Archäologische Denkmäler der Gepiden im Mitteldonaubecken.* (454–568) *Arch. Hung.* XXXVIII. Budapest 1961.
- (1962) Der awarische Gürtel. *Acta Arch. Hung.* 14 (1962) 445–480.
- (1966–67) Sámáneszköz volt-e az avarkori „ír-tartó csonttégely”? — War „der Knochentiegel als Salbenbehälter” ein Schamanengerät in der Awarzeit? *MFME* (1968) 61–72.
- (1972) Avarkori páncélok a Kárpát-medencében. — Die Panzer der Awarzeit im Karpatenbecken. *Nyíregyházi Jósza András Múzeum Évkönyve.* 1969–71 (1972) 7–44.
- Cs. Sebestyén, K. (1930) Rejtélyes csontok népvándorlási sírokban. — Rätselhafte Beinplatten in Gräbern der Völkerwanderungszeit. *Dolg.* 6 (1960) 178–220.
- Cs. Sós, Á. (1955) Le deuxième cimetière avare d'Üllő. *Acta Arch. Hung.* 6 (1955) 193–230.



- (1958) *A keceli avarkori temetők. — Die awarenzeitlichen Gräberfelder in Kecel.* Régészeti Füzetek II. 3. Budapest 1958.
- (1961) Újabb avarkori leletek Csepel-szigetről. — Neuere awarenzeitliche Funde aus der Csepel-Insel. *Arch. Ért.* 88(1961) 32–46.
- (1973) Jelentés a pókaszepteki ásatásról. — Report on excavations at Pókaszeptek. *Arch. Ért.* 100 (1973) 66–77.
- (1978) Frühmittelalterliche Brandbestattung mit Feinwage in Pókaszeptek. *SlA XXVI.* 1978. 423–30.
- Cs. Sós, Á. – Salamon, Á. (1989) Koraközépkori temetők Pókaszepteken.
- Daim, F. (1977) Zur Geschichte und archäologischen Hinterlassenschaft der Awaren. Der Awarenfriedhof in Mödling „An der Goldenen Stiege“. *Katalog. Mödling* (1977) 7–16.
- (1979) Awarische Altfunde aus Wien und Niederösterreich. *MAG 109* (1979) 55–101.
- Dekan, J. (1972) Herkunft und Ethnizität der gegessenen Bronzeindustrie des VIII. Jahrhunderts. *SlA 20* (1972) 317–552.
- Deringer, H. (1967) Frühgeschichtliche Knochenkämme aus Oberösterreich. *Jahrb. d. Oberösterreichischen Musealvereines* 112 (1967) 35–56.
- Dimitrijevič, D. – Kovačević, J. – Vinski, Z. (1962) *Seoba Naroda.* Archeološki nalazi jugoslovenskog Podunavlja. Zemun 1962.
- Eisner, J. (1952) *Devínska Nová Ves.* Slovanské pohrebit. Bratislava 1952.
- Erdélyi, I. (1958) *A jánoshidai avarkori temető. — Das awarenzeitliche Gräberfeld von Jánoshida.* Régészeti Füzetek, Ser. II. 1. Budapest 1958.
- (1975) Avarkori sarlók a Kárpát-medencében. — Awarzenzeitliche Sicheln im Karpatenbecken. *Ethnographia.* Budapest 85 (1975) 153–163.
- (1978–79) Az avarság és kelet a régészeti források tükrében. — Das Awarentum und der Osten im Spiegel der archäologischen Quellen. *Mitt. Arch. Inst.* 8–9. (1978–79) 189–198.
- (1982) *Az avarság és kelet a régészeti források tükrében. — Avary i Vostok v svete archeologičkih istonikov.* Budapest 1982.
- Erdélyi, I. – Németh, P. (1969) A Várpalota-gimnáziumi avar temető. — Awarenfriedhof Várpalota-Gymnasium. — Le cimetière avare de Várpalota-Lycée. *VMMK 8* (1969) 167–198.
- Erdélyi, J. – Salamon, Á. (1980–81) Bericht über die Ausgrabungen in Pilismarót–Öregek dűlő (1973–1974) *Mitt. Arch. Inst.* 10–11 (1980–81) 147–161.
- Facsar, G. – Skoflek, I. – Salamon, Á. (1977) Eine Kapsel Frucht (Antirrhinum) aus einer römischen Bullen aus Bestattungen von Intercisa. *Mitt. Arch. Inst.* 7 (1977) 93–108.
- Fettich, N. (1926, 1) Garnitures de fourreaux de sabres du temps des Avars en Hongrie. Aréthuse. Paris Avril 1926. 50–60.
- (1926, 2) *Az avarkori műipar Magyarországon. — Das Kunstgewerbe der Awarzeit in Ungarn.* Arch. Hung. I. Budapest 1926.
- (1943) *Győr története a népvándorlaskorban* (The History of Győr in the Migration Period) Győr, 1943.
- (1965) *Das awarenzeitliche Gräberfeld von Pilismarót–Basaharc.* Stud. Arch. III. Budapest, 1965.
- Garam, É. (1969) A késő avarkori korongolt sárga kerámia. — Die spätawarische gelbe Keramik. *Arch. Ért.* 96 (1969) 207–241.
- (1972) Avar temetők Andocs. — Avar Cemeteries at Andocs. *FA 23* (1972) 129–182.
- (1975, 1) *The Homokmégy–Halom Cemetery*, in: Avar Finds in the Hungarian National Museum. Cemeteries of the Avar Period (1567–829) in Hungary. I. ed. I. Kovrig. Budapest 1975.
- (1975, 2) *The Szebény I–III Cemetery*, in: Avar Finds in the Hungarian National Museum. Cemeteries of the Avar Period (1567–829) in Hungary. I. ed. I. Kovrig. Budapest, 1975.
- (1976) Adatok a középvavar kor és az avar fejedelmi sírok régészeti és történeti kérdéseire. — Zu den archäologischen und historischen Fragen der mittleren Awarzeit und der awarischen Fürstengräber. *FA 27* (1976) 129–147.
- (1978) A közép avarkor sirobulusszal keltezhető leletköre. — Der mit Grabobulus datierbare Fundkreis der Mittelawarenzeit. *Arch. Ért.* 105 (1978) 206–215.
- (1979) *Das awarenzeitliche Gräberfeld von Kisköre.* Fontes Arch. Hung. Budapest 1979.
- Goreczki, J. (1975) Studien zur Sitte den Münzgabe in römerzeitlichen Körpergräbern zwischen Rhein, Mosel und Somme. *BerRGK 56* (1975) 182–466.
- Hampel, J. (1905) *Alterthümer des frühen Mittelalters in Ungarn.* I–III. Braunschweig, 1905.



- Hessen, O. v. (1971) *Primo contributo alla Archeologia Longobardo in Toscana*. Accad. Toscana di Scienze e Lettere „La Colombaria” Studi XVIII. Firenze 1971.
- Horváth, T. (1936) *Az üllői és a kiskőrösi avar temető*. — *Die awarischen Gräberfelder von Üllő und Kiskőrös*. Arch. Hung. XIX Budapest 1936.
- Huszár, L. (1955) Das Münzmaterial in den Funden der Völkerwanderungszeit im mittleren Donaubecken. *Acta Arch. Hung.* 5 (1955) 61–109.
- Jankuhn, H. (1967) Archäologische Beobachtung zu Tier- und Menschenopfern bei den Germanen in der römischen Kaiserzeit. *Nachrichten der Akad., d. Wiss. in Göttingen*. I. Phil. Hist. Klasse No. 6. (1967) 117–147.
- Juhász, I. (1969) Újabb adatok az avar temetkezési szokások ismeretéhez. (Recent data for the Knowledge of the Avar Burial Customs). *MFME* (1969) 147–149.
- (1973) Néhány Békés megyei avarkori leletről. — Some Avar age finds in the County of Békés. *Békés Megyei Múzeumok Közleményei* 2. (1973) 99–116.
- Kada, E. (1905) Gátéri (kunkiszállási) temető a régibb középkorból. (The Gátér-Kunkiszállás Cemetery of the Early Middle Ages). *Arch. Ért.* 25 (1905) 360–384.
- Keller, S. (1971) *Die spätrömischen Grabfunde in Südbaden*. München 1971.
- Kiss, A. (1962) Az avarkori lovastemetkezések szokásának vizsgálata. — Über das Brauchtum der awarischen Reiterbestattungen. *JPMÉ* (1962) 153–162.
- (1977) *Avar Cemeteries in County Baranya* in: *Cemeteries of the Avar Period (567–829) in Hungary*. II. ed. I. Kovrig. Budapest, 1977.
- Korek, J. (1943) A Szentes-kajáni avarkori temető. — Das Awarengräberfeld in Szentes-Kaján. *Dolg.* 19. (1943) 1–129.
- Kovrig, I. (1946–48) Avarkori sírleletek Csengődről. — Avar finds from Csengőd. *Arch. Ért.* (1946–48) 339–345.
- (1955) Contribution au problème de l'occupation de la Hongrie par les Avars. *Acta Arch. Hung.* 6 (1955) 163–192.
- (1957) Kora-avarkori sírok Törökbálintról. — Deux tombes Avars de Törökbálint. *FA* 9 (1957) 119–133.
- (1960) Újabb kutatások a keszthelyi avarkori temetőben. — Neuere Forschungen im frühmittelalterlichen Gräberfeld in Keszthely. *Arch. Ért.* 87 (1960). 136–168.
- (1963) *Das awarenzeitliche Gräberfeld von Alattyán*. Arch. Hung. XL. Budapest, 1963.
- (1975, 1) *The Dévaványa Cemetery*, in: *Avar Finds in the Hungarian National Museum. Cemeteries of the Avar Period (567–829) in Hungary* I. ed. I. Kovrig. Budapest 1975.
- (1975, 2) *The Szob Cemetery*, in: *Avar Finds in the Hungarian National Museum. Cemeteries of the Avar Period (567–829) in Hungary* I. ed. I. Kovrig. Budapest 1975.
- (1975, 3) *The Tiszaderzs Cemetery*, in: *Avar Finds in the Hungarian National Museum. Cemeteries of the Avar Period (567–829) in Hungary* I. ed. I. Kovrig. Budapest 1975.
- Kovrig, I. – Korek, J. (1960) Le cimetière de l'époque avare de Csóka (Čoka). — Mogil'nik avarskoj epohi u s. Čoka. *Acta Arch. Hung.* 13 (1960) 255–297.
- Kralovánszky A. (1959) Adatok a Kárpát-medencei X–XI. századi félhold alakú csüngők kérdéséhez. — Beitrag zur Problematik der halbmondförmigen Anhänger aus dem 10–11. Jh. im Karpatenbecken. *Arch. Ért.* 86 (1959) 76–82.
- Lányi, V. (1981) Das spätrömische Gräberfeld, in: *Die spätrömische Festung und das Gräberfeld von Tokod*. ed: A. Mócsy. Budapest 1981.
- László, Gy. (1941) Adatok az avarság néprajzához. — Contributi all'etnografia degli avari. *Arch. Ért.* (1941) 175–204.
- (1942) Adatok az avarság néprajzához IV. *Gerevich Emlékkönyv* Budapest 1942. 16–24.
- (1955) *Études archéologiques sur l'histoire de la société des Avars*. Arch. Hung. XXXIV. Budapest 1955.
- (1969) Die Awaren und das Christentum im Donauraum und in östlichen Mitteleuropa. *Acta II. Congr. Internat. Slavicae Salisburgo-Ratisbonensis 1967*. Wiesbaden (1969) 142–152.
- (1974) *The Art of the Migration Period*. London 1974.
- Lippett, A. (1969) *Das awarenzeitliche Gräberfeld von Zwölfaxing in Niederösterreich*. Prähist. Forschungen. 7. Horn–Wien 1969.
- Lipták, P. – Marcsik, A. (1966) Szeged–Kundomb avarkori népességének embertani vizsgálata. — Die anthropologische Untersuchung des Gräberfeldes Szeged–Kundomb aus der Awarenperiode. *Anthropologiai Közlemények*. Budapest 10 (1966) 13–56.



- Marosi, A. – Fettich, N. (1936) *Dunapetelei avar sírleletek. — Trouvailles avars de Dunapetele.* Arch. Hung. XVIII. Budapest 1936.
- Mavrodinov, N. (1943) *La Trésor Protobulgare de Nagyszentmiklós.* Arch. Hung. XXIX. Budapest 1943.
- Móra, F. (1932) Néprajzi vonatkozások szegedvidéki népvándorláskori és korai magyar leletekben. — Volkskundliche Beziehungen in Funder der Volkerwanderungszeit und des frühen Ungartums aus der Umgebung von Szeged. *Ethnographia.* Budapest XLIII (1932) 54–68.
- Nagy, K. (1974) Nézzük meg együtt a székkutasi festett avar edényeket. *Művészet.* Budapest 15 (1974) Nr. 6. 30–31.  
(1980) Székkutas, Kápolna dűlő. *Arch. Ért.* 107 (1980) 249.
- Nagy, S. (1971) Nekropola iz ranog srednjeg veka u ciglani „Polet” u Vrbasu. — Das frühmittelalterliche Gräberfeld auf dem Gelände der Ziegelei „Polet” be Vrbas. *Rad Vojvodjanskih Muzeja Novi Sad* 20 (1971) 187–265.
- Papp, L. (1963) A bólyi avarkori temető. — Der awarenzeitliche Friedhof von Bóly. *JPMÉ* (1963) 163–193.  
(1964) A nagyharsányi avarkori temető. — Das awarenzeitliche Gräberfeld von Nagyharsány. *JPMÉ* (1964) 113–141.
- Párducz, M. (1931) A Nagy Magyar Alföld rómaikori leletei. — Römerzeitliche Funde des Grossen Ungarischen Alföld. *Dolg.* 7 (1931) 162–186.  
(1938) Rómaikori lelőhely Hódmezővásárhelyen a Solt-Paléban. — Römerzeitlicher Fundort in Solt-Palé bei Hódmezővásárhely. *Dolg.* 14 (1938) 9–114.  
(1939) Rómaikori telep Makó mellett. — Eine Siedlung der Römerzeit bei der Stadt Makó. *Dolg.* 15 (1939) 133–140.  
(1950) *A szarmatakor emlékei Magyarországon. — Denkmäler der Sarmatenzeit Ungarn.* III. Arch. Hung. XXX. Budapest 1950.  
(1956) Beiträge zur Geschichte der Sarmaten in Ungarn im II. und III. Jahrhundert. — Materialy k istorii sarmatov v Vengrii v II–III vv. n.e. *Acta Arch. Hung.* 7 (1956) 139–182.
- Rhé, Gy. – Fettich, N. (1931) *Jutas und Öskü.* Zwei Gräberfelder aus der Völkerwanderungszeit in Ungarn. Prag 1931.
- Rosner, Gy. (1970) Újabb adatok Tolna megye avarkori történetének kutatásához. *Szekszárdi Balogh Ádám Múzeum Évkönyve* 1 (1970) 40–95.  
(1971) Die Fragen der Schmuckkeramik der frühen Awarenzeit. *Acta Antiqua et Archaeologica Szeged* 14 (1971) 95–104.
- Ross, M. C. (1964) Byzantine Goldsmith-Work. in: *Byzantine Art 9<sup>th</sup> Exhibition* of the Council of Europe. Athens 1964. 359–390.  
(1965) *Catalogue of the Byzantine and early Medieval Antiquaries in the Dumbarton Oaks Collection II.* Washington 1965.
- Salamon, Á. (1968) Népvándorláskori temetők Szekszárd–Palánkon. — Völkerwanderungszeitliche Gräberfelder in Szekszárd–Palánk. *Szekszári Múzeum Füzetek.* Szekszárd, 9 (1968).  
(1969) Über die ethnischen und historischen Beziehungen des Gräberfeldes von Környe (VI Jh). *Acta Arch. Hung.* 21 (1969) 273–297.  
(1976) Archäologische Angaben zur spatrömischen Geschichte des pannonischen Limes. Geweihmanufaktur in Intercisa. *Mitt.Arch.Inst.* 6 (1976) 47–54.
- Salamon, Á. – Duma, Gy. (1982) Veröffentlichungen der Komm. für Frühmittelalterforschung.
- Salamon, Á. – Erdélyi, I. (1971) *Das völkerwanderungszeitliche Gräberfeld von Környe.* Stud. Arch. 5. Budapest 1971.
- Salamon, Á. – Lengyel, I. (1980) Kinship interrelations in a fifth-century „Pannonian” Cemetery: an archaeological and paleobiological sketch of the population fragment buried in the Mözs Cemetery, Hungary. *World Archaeology,* London, 12 (1980) 93–104.
- Salvatore, M. (1981) Un sepolcreto altomedievale in agro di Rutigliano (Bari). *Notizie preliminari. Rivista di Archeologia Christiana,* Città del Vaticano 57 (1981) 127–160.
- Sarre, F. (1923) *Die Kunst des alten Persien.* Die Kunst des Ostens 5. Berlin, 1923.
- Selmeczi, L. – Madaras, L. (1980) Avarkori és X–XII. századi magyar köznépi sírok Rákóczifalván. — Avar and X–XII<sup>th</sup> century Hungarian graves at Rákóczifalva. *Szolnok Megyei Múzeumi Évkönyv.* 1979–1980. Szolnok (1980) 141–151.
- Smilenko, A. T. (1965) *Glodos’ki Skarbi.* Kiiv 1965.
- Szabó, J. Gy. (1965) Az egri múzeum avarkori emlékanyaga I. Koraavarkori leletek Tarnaméráról. — Der awarenzeitliche Fundbestand des Museums von Eger. I. Frühawarische Grabfunde aus Tarnaméra. *EMÉ* 3 (1965) 29–71.



- (1968) Az egri múzeum avarkori emlékanyaga III. Sírleletek a Nagyréde-Ragyogóparton. — Der awarzeitliche Fundbestand des Museums von Eger. Granfunde aus Nagyréde-Ragyogópart. *EMÉ* 6 (1968) 27–69.
- Széll, M. (1940) Elpusztult falvak, XI–XVI. századbeli régészeti leletek Szeged és Hódmezővásárhely határában. — Deserted Villages. — Archaeological finds on the confines of the towns of Szeged and Hódmezővásárhely. *Dolg.* (1940) 159–180.
- Szóke, B. (1960) Über die Beziehungen Moraviens zu dem Donaugebiet in der spätavarenzeit. *Studia Slavica Academiae Scientiarum Hungaricae*, Budapest 6 (1960) 75–112.
- Szóke, B. M. (1979) Zur Problematik des Bestattungsritus mit verstümmelten Rindschädel des Types von Sopronkőhida. *Acta Arch. Hung.* 31 (1979) 51–104.
- (1980) Zur awarenzeitlichen Siedlungsgeschichte des Kőrösgebietes in Südost-Ungarn. *Acta Arch. Hung.* 32 (1980) 181–204.
- Točík, A. (1963) Pohrebisko a sídlisko z doby avarskej riše v Prše. Gräberfeld und Siedlung aus der Zeit des Awareischen Reiches. *SlA* XI-1 (1963) 121–198.
- (1968, 1) *Slawisch-awarisches Gräberfeld in turovo*. Archaeologica Slovaca — Catalogi II, Bratislava (1968).
- Tomka, P. (1971) A Győr–Téglavető-dűlői avar temető belső csoportjai. — Die inneren Gruppen des awarenzeitlichen Gräberfeldes von Győr–Téglavető-dűlő. *Arrabona*, Győr 13 (1971) 55–97.
- (1972) Adatok a Kisalföld avarkori népességének temetkezési szokásaihoz. Kés a sírban. — Beiträge zu den Bestattungsarten der Bevölkerung von Kisalföld in der Avarzeit. Messer im Grab. *Arrabona*, Győr 14 (1972) 27–75.
- Tóth, E. H. (1980) Frühawarenzeitlicher Grabfund in Kecskemét, Sallaistrasse. *Acta Arch. Hung.* 32 (1980) 117–152.
- Török, Gy. (1954) Kora-avar sírok Mór. — Tombes avares de haute époque à Mór. *Arch. Ért.* 81 (1954) 54–60.
- (1968) Das awarenzeitliche Gräberfeld von Halimba im 6–9. Jahrhundert. *tZ* 16 (1968) 265–277.
- (1969) Kétrétegű temetkezések a halimbai avar temetőben. — Sépultures à deux couches dans le lieu de sepulture avare de Halimba. *FA* 20 (1969) 79–89.
- (1972) Halottcsontkítás egy dunavarsányi sírban. — Leichenverstümmelung in einem Awarengrab von Dunavarsány. *FA* (1972)
- (1973, 1) VII. századi sírok Kerepesről. — Gräber aus dem 7. Jahrhundert in Kerepes. *FA* 24 (1973) 123–134.
- (1973, 2) *Sopronkőhida IX. századi temetője*. — *The Cemetery of Sopronkőhida in the 9th century*. Fontes Archaeologici Hungariae. Budapest 1973.
- (1975, 1) *The Kiskőrös-Pohibuj-Mackó Cemetery*, in: Avar Finds in the Hungarian National Museum. Cemeteries of the Avar Period (567–829) in Hungary. ed. I. Kovrig. Budapest 1975.
- (1975, 2) *The Vesztek Cemetery*, in: Avar Finds in the Hungarian National Museum. Cemeteries of the Avar Period (567–829) in Hungary. ed. I. Kovrig. Budapest 1975.
- (1976) Das Weiterleben der einheimischen Bevölkerung in Halimba während der awarisch-frühungarischen Besiedlung. *Festschrift f. R. Pittioni*, Wien (1976) 351–365.
- Vargha, L. (1957) Cs. Sebestyén Károly 1876–1956. *Ethnographia*, Budapest 68 (1957) 170–173.
- Vámos, K. (1973) „Szeged–Makkoserdő” avarkori népességének embertani vizsgálata. — Die anthropologische Untersuchung der awarenzeitlichen Bevölkerung von „Szeged–Makkoserdő”. *Anthropológiai Közlemények*, Budapest 17 (1973) 29–39.
- Vinski, Z. (1968) Kristoliki nakit epohe seobe naroda u Jugoslaviju. *Vjesnik Arch. Muzeja u Zagrebu*. Ser. 3 (1968) 103–151.
- Werner, J. (1955) Byzantinische Gürtelschnallen des 6. und 7. Jahrhunderts aus der Sammlung Diergardt. *Kölner Jahrbuch für Vor- u. Frühgeschichte* 1 (1955) 36–48.
- (1962) *Die Langobarden in Pannonien I–II*. Beiträge zur Kenntnis der langobardischen Bodenfunde vor 568. München 1962.
- (1974) Nomadische Gürtel bei Persern, Byzantinern und Langobarden, in: *La civiltà dei Langobardi in Europa*. Accademia dei Lincei. vol. 271 (1974) 109–139.
- Wosinszky, M. (1896) *Tolna vármegye az őskortól a honfoglalásig I–II*. — County Tolna from Prehistoric Age to the Magyar Conquest I–II. Budapest 1896.

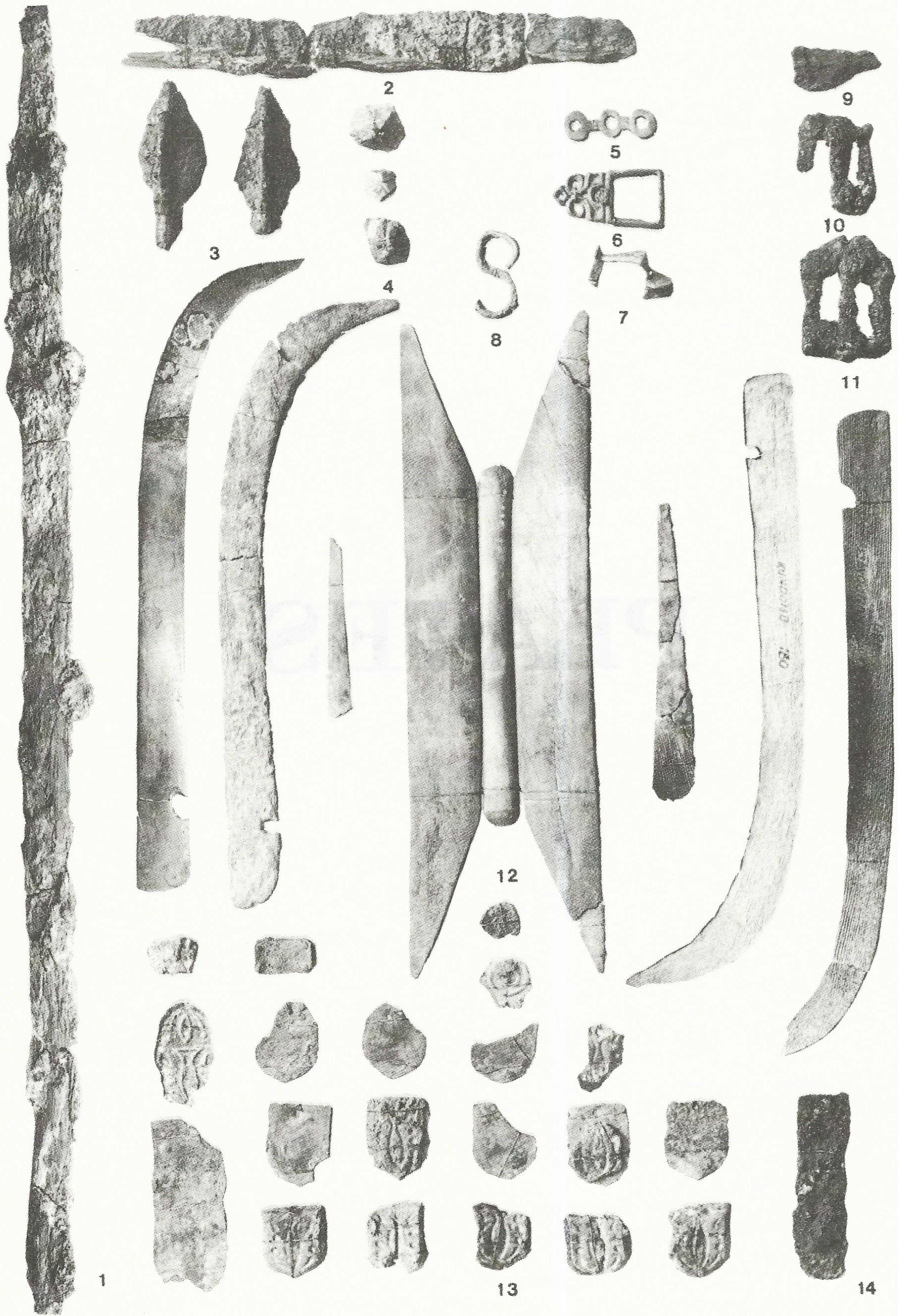






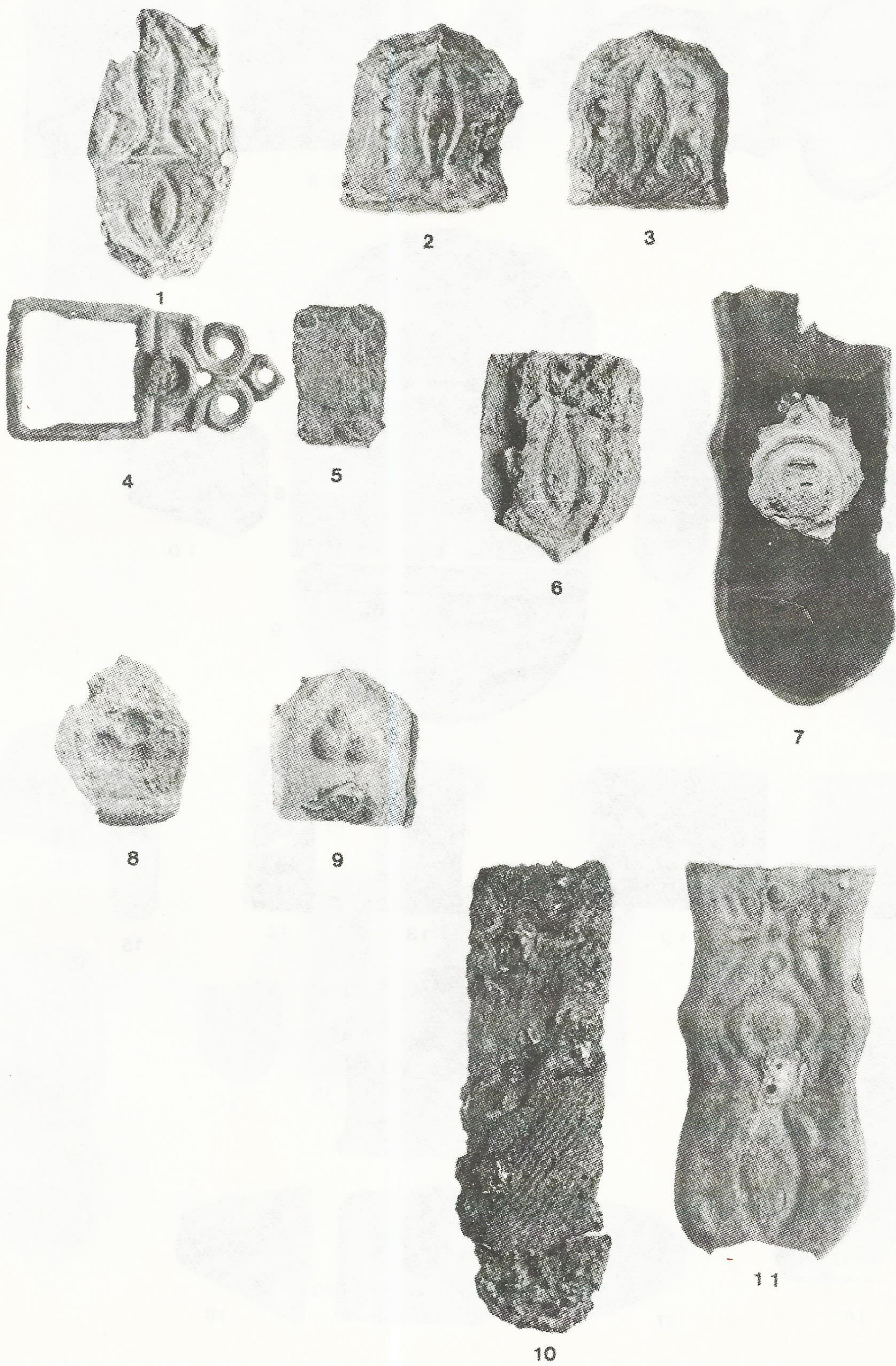
# PLATES





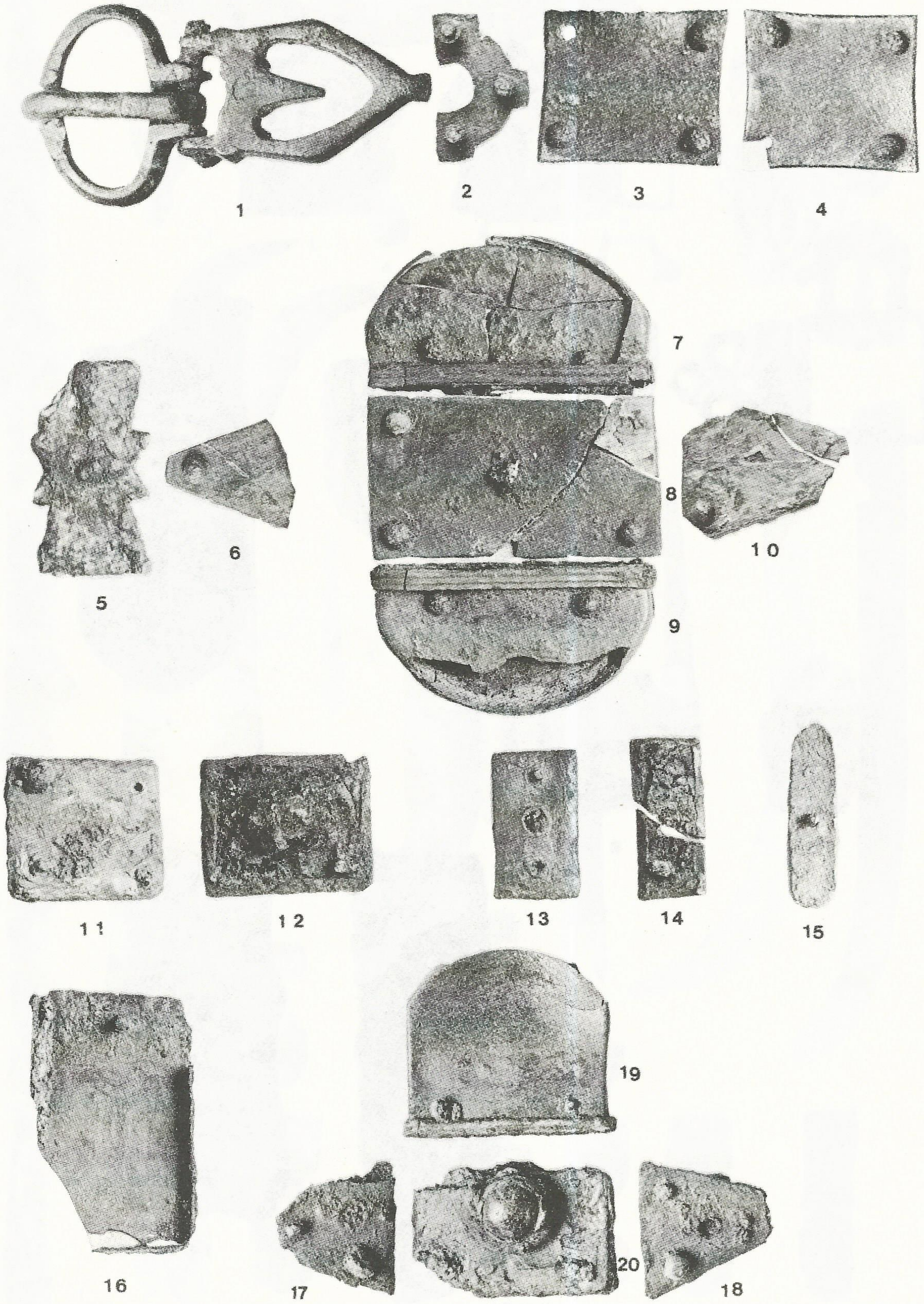
Szeged-Kundomb 180





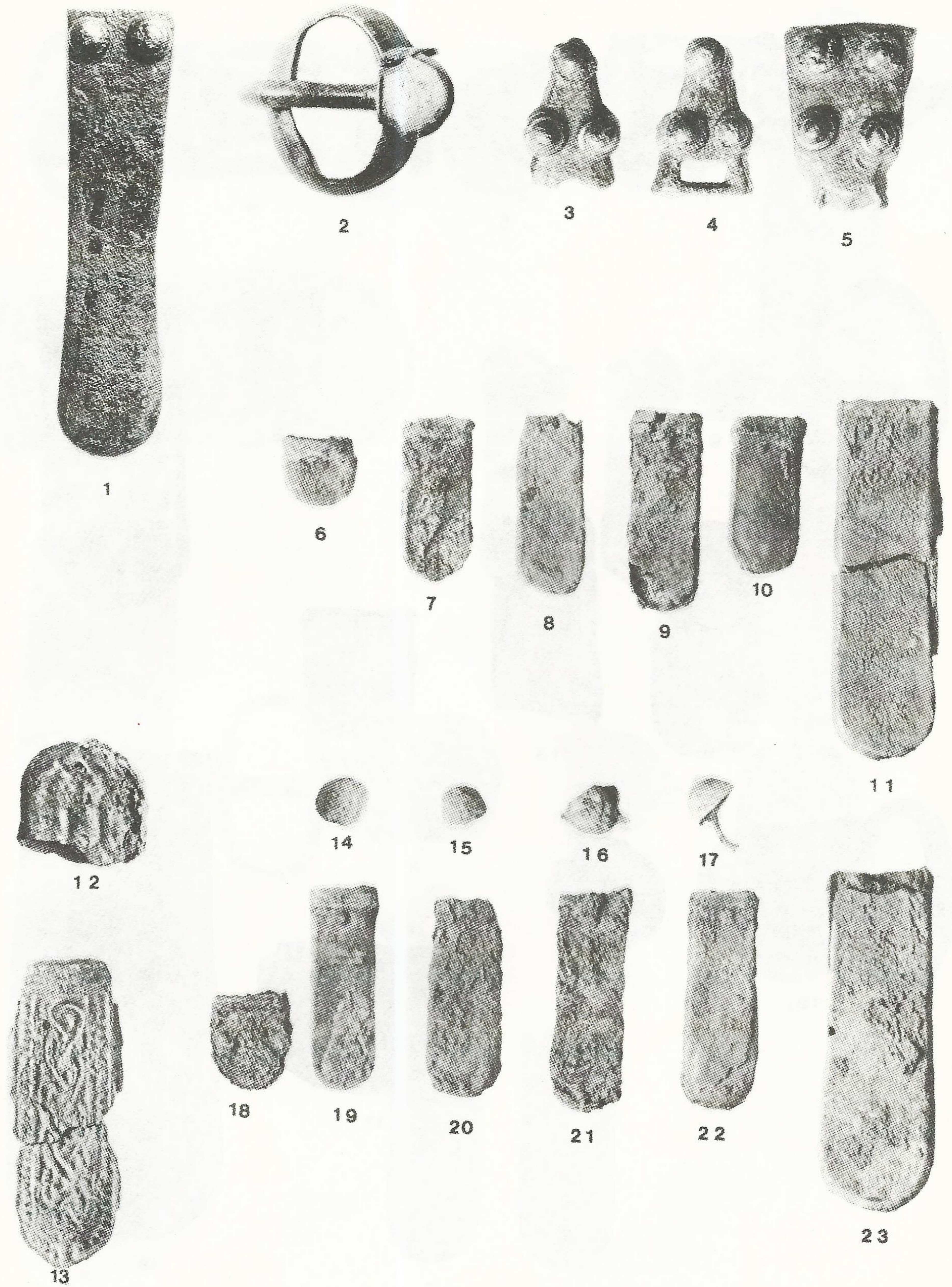
Szeged-Kundomb 1-7: grave 180; 8-11: grave 289.





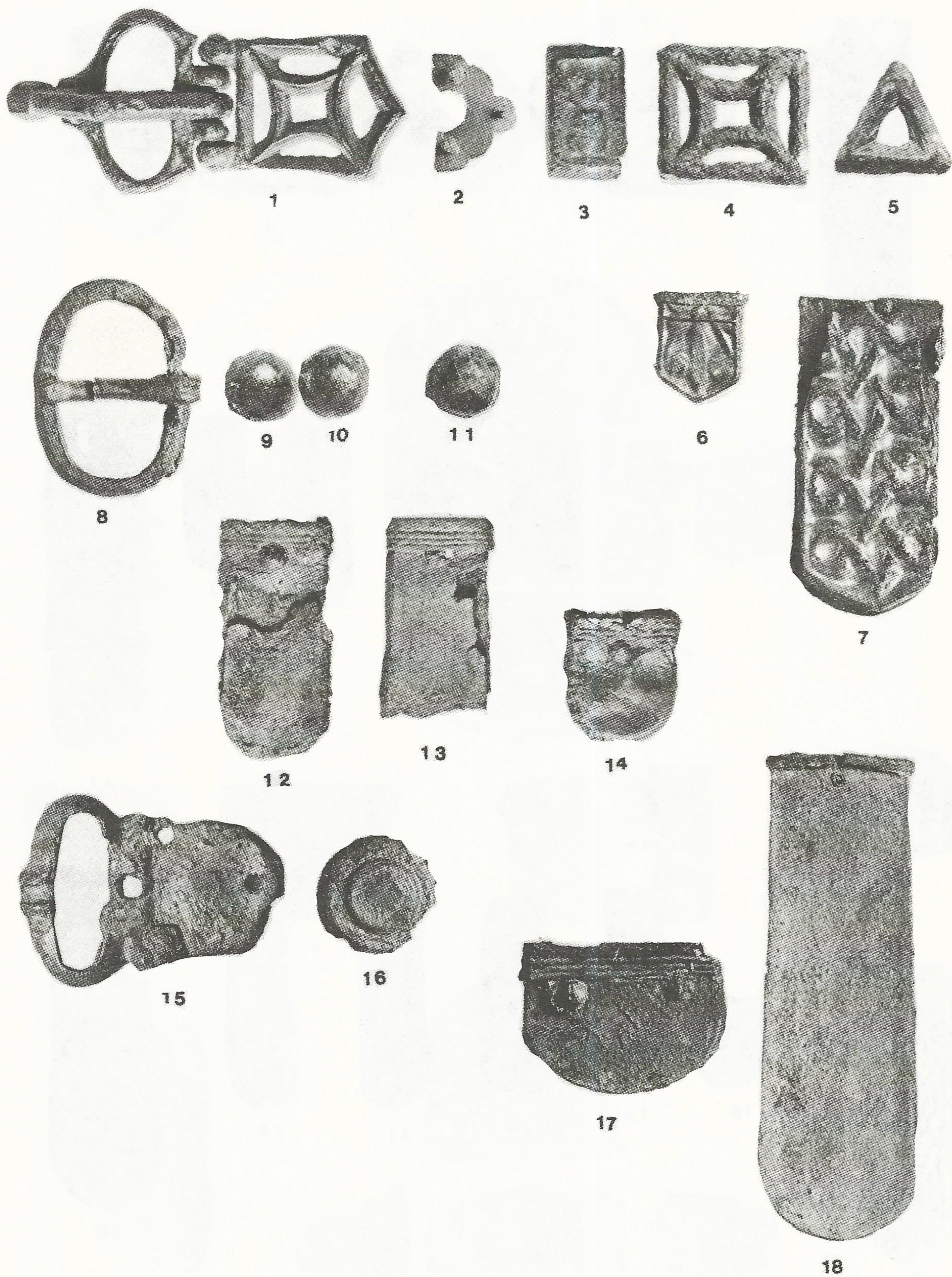
Szeged-Kundomb 1-10: grave 52; 11-20: grave 71.





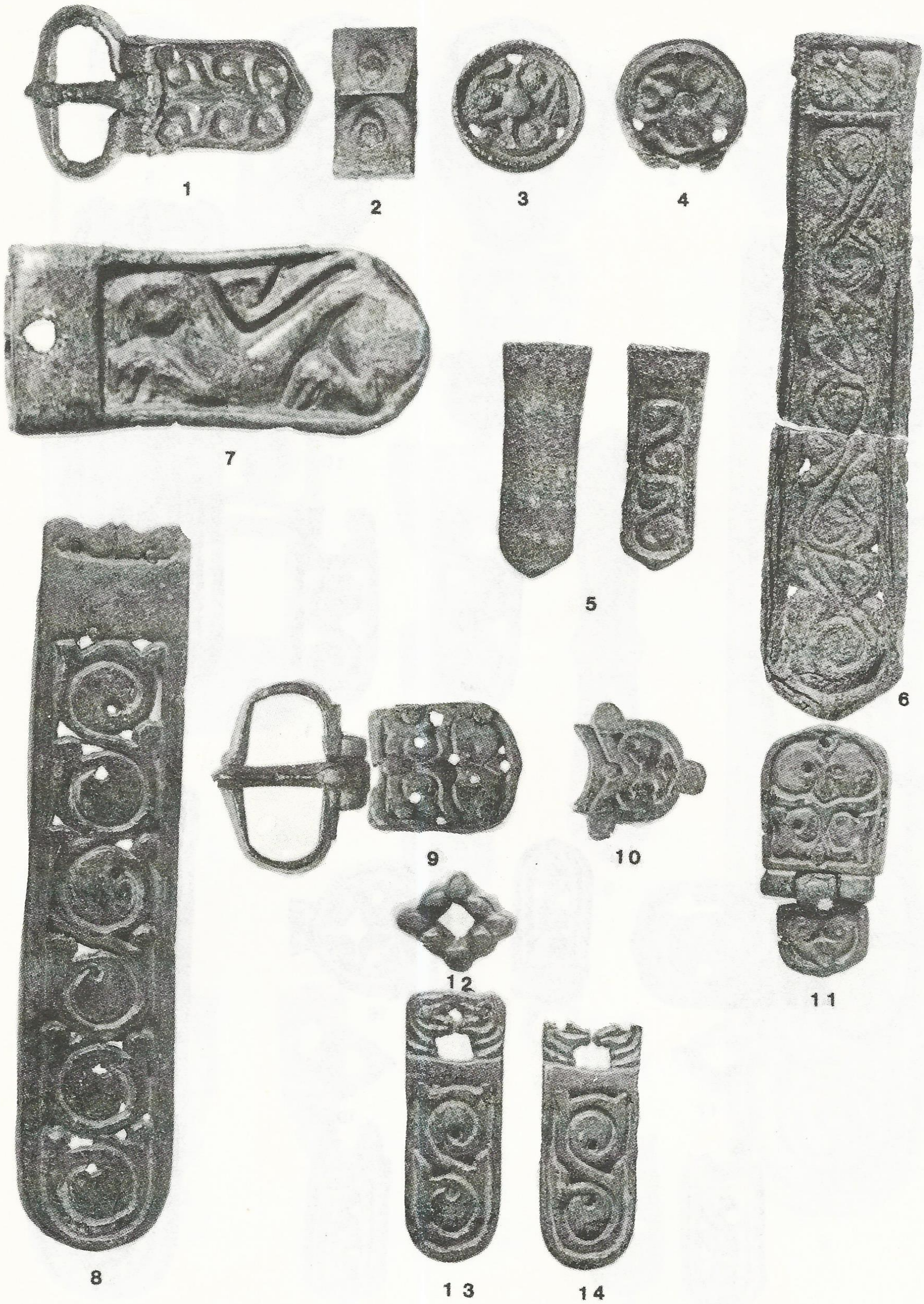
Szeged-Kundomb 1-5: grave 64; 6-11: grave 276; 12-17 grave 102; 18-23: grave 305.





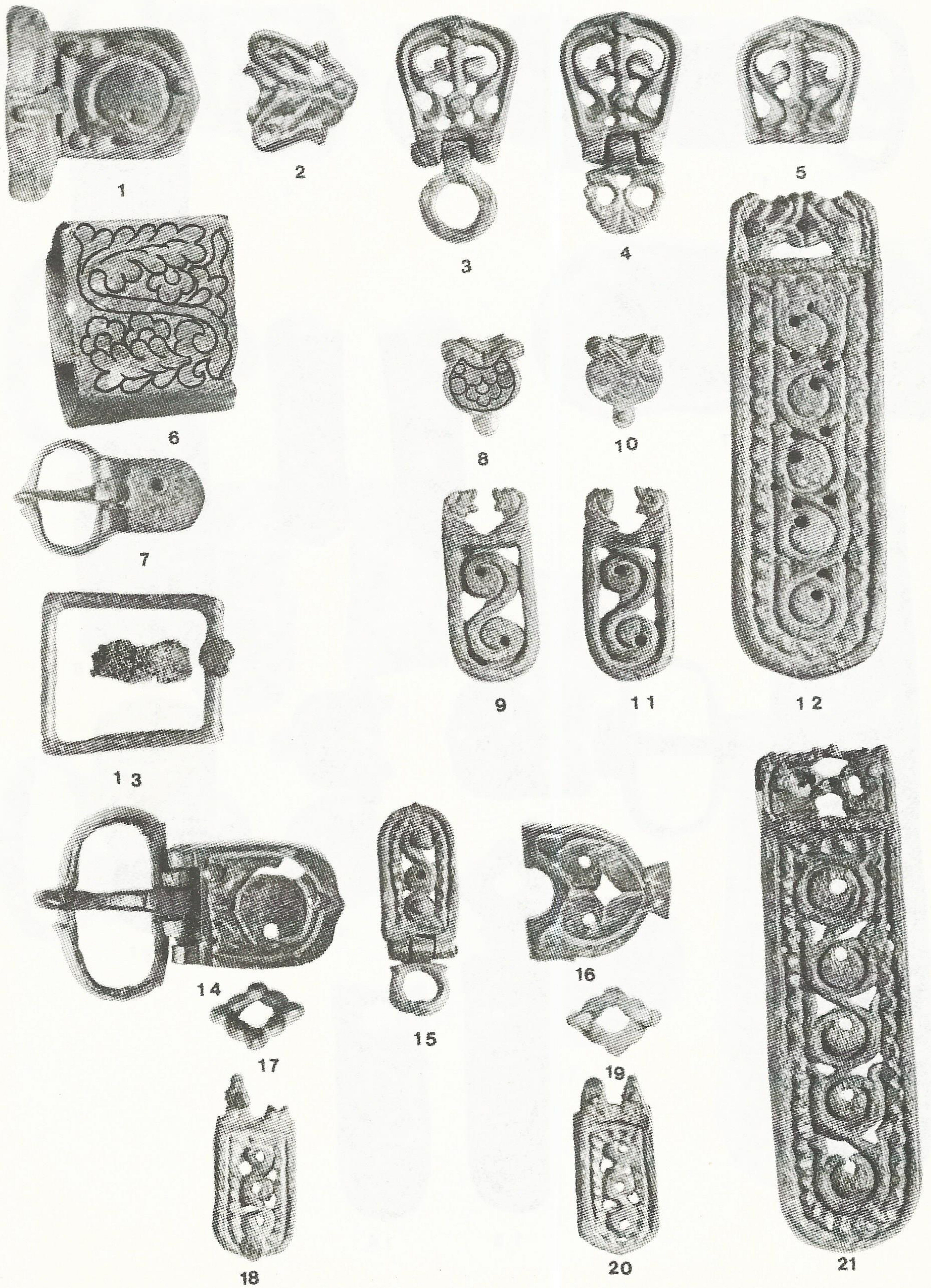
Szeged-Kundomb 1-7: grave 23; 8-14: grave 179; 15-18: grave 83.





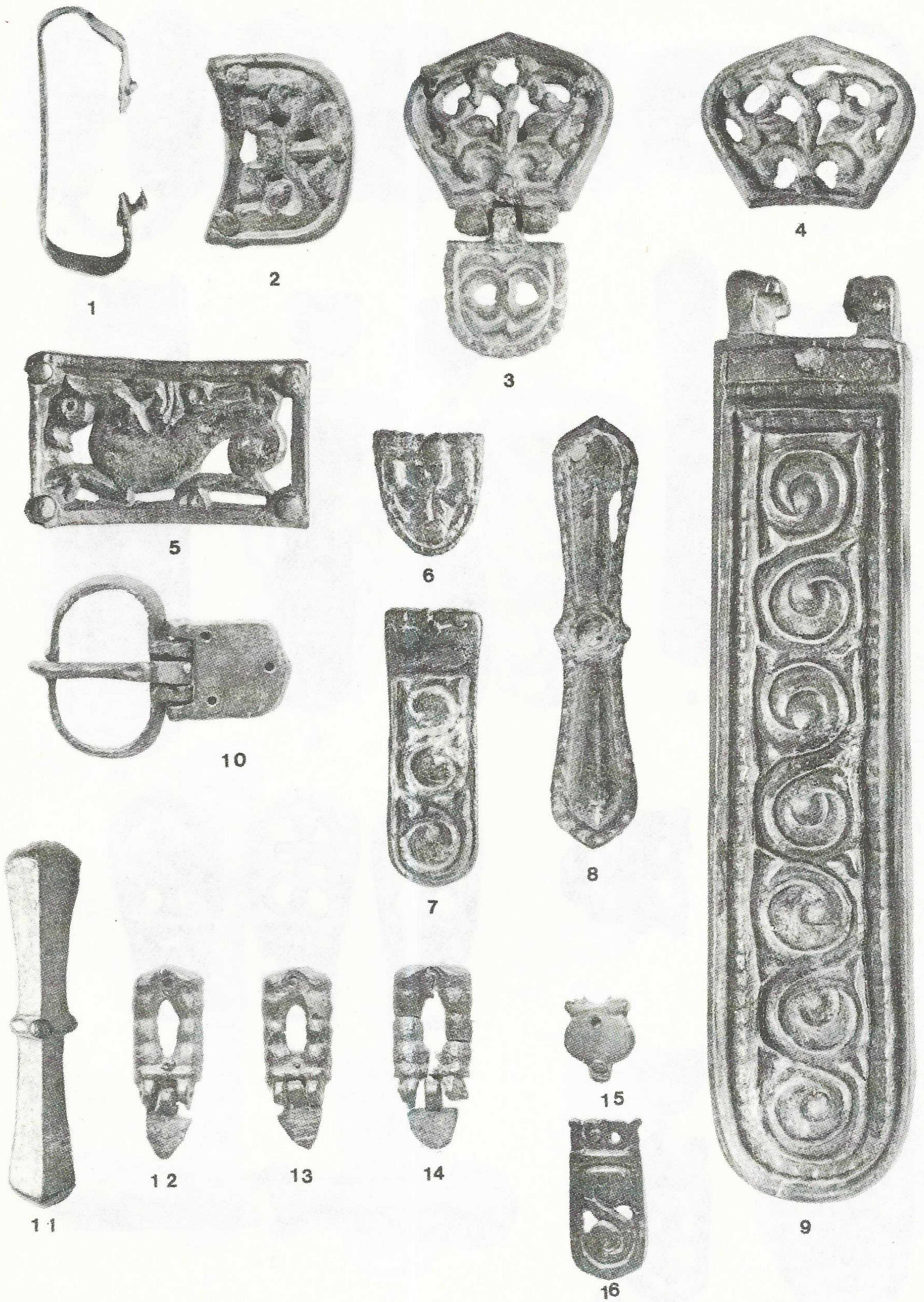
Szeged-Kundomb 1-6: grave 18; 7: grave 168; 8-14: grave 53.





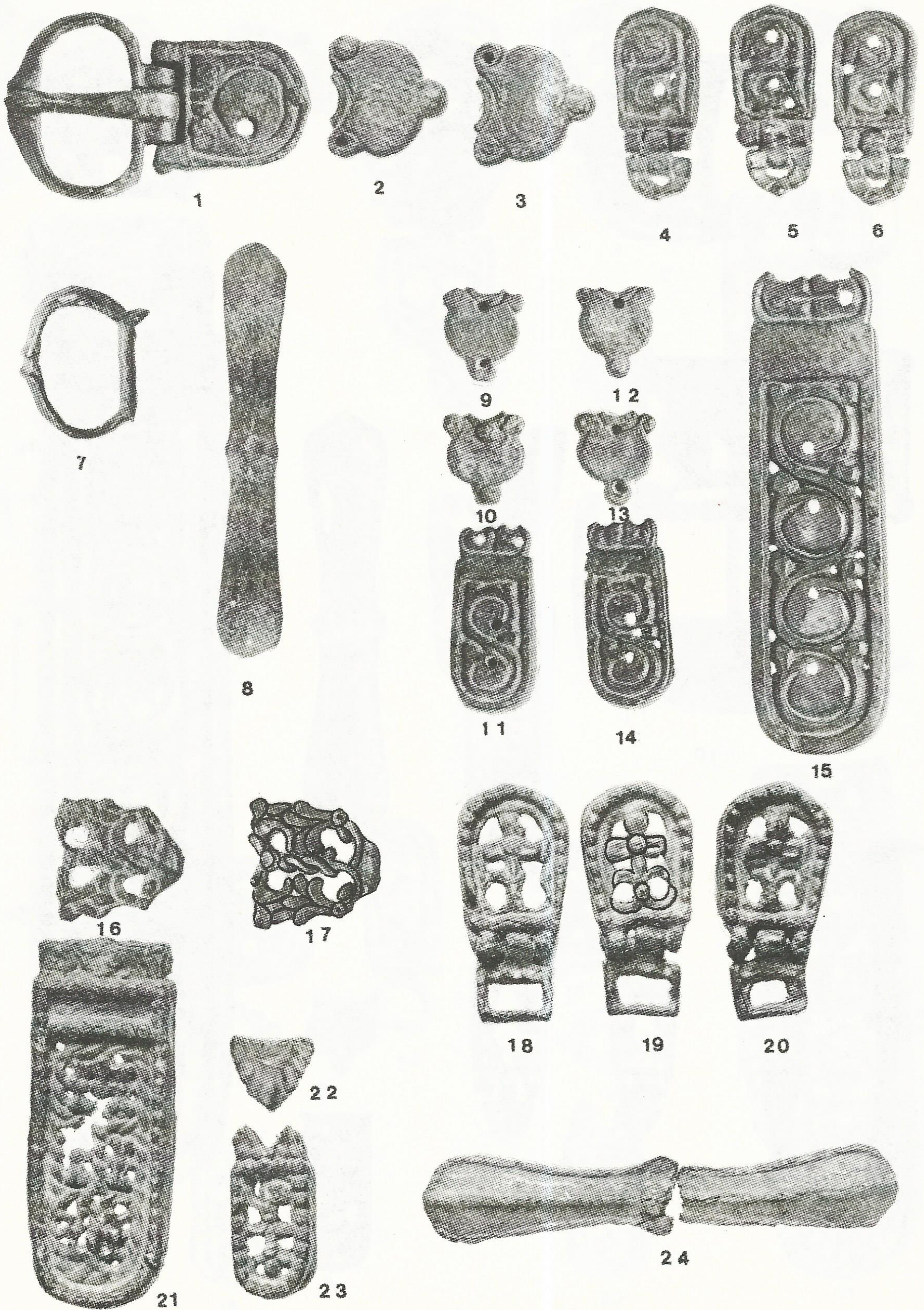
Szeged-Kundomb 1-12: grave 152; 13-21: grave 35.





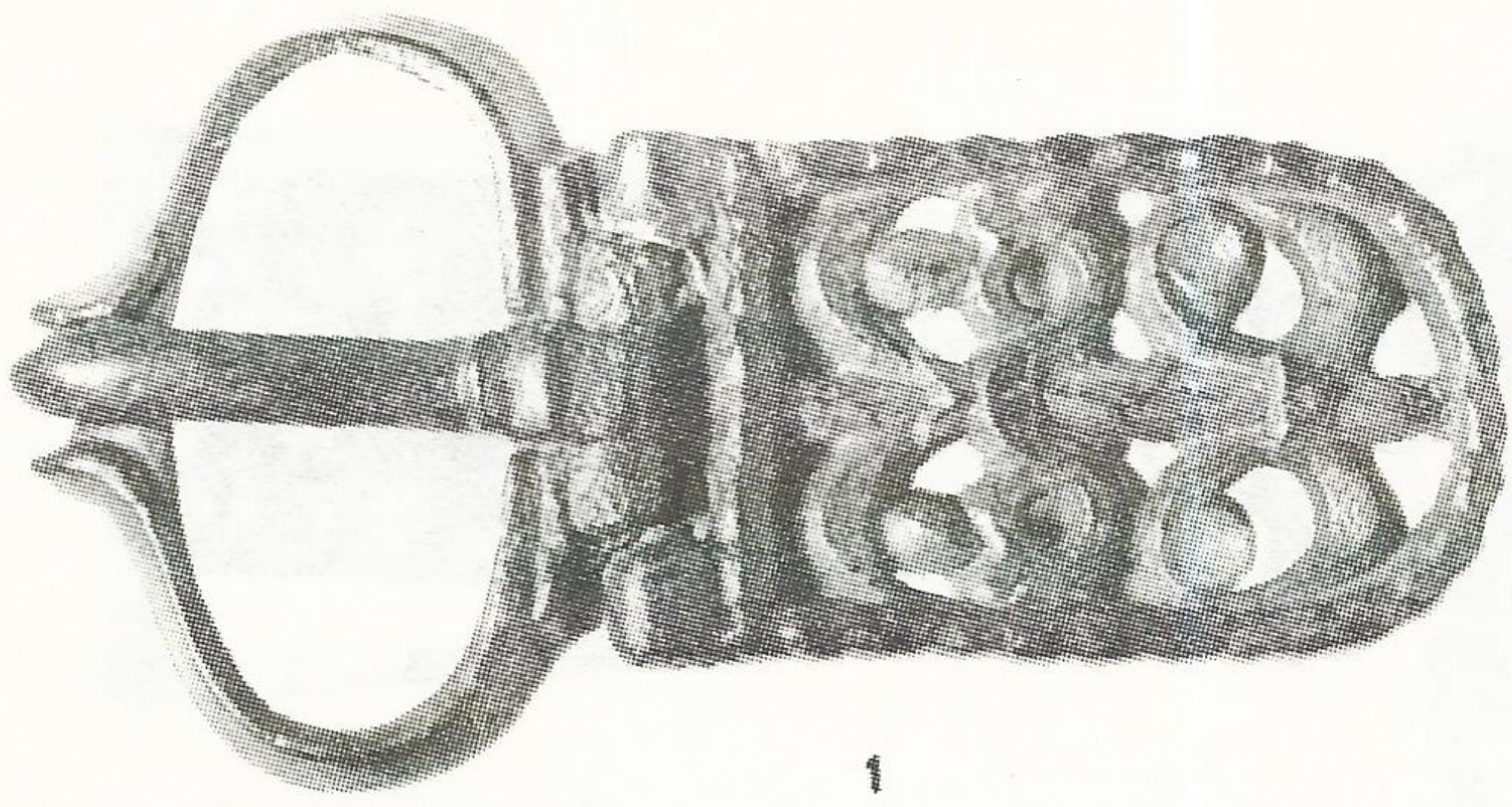
Szeged-Kundomb 1-9: grave 214; 10-16: grave 140.



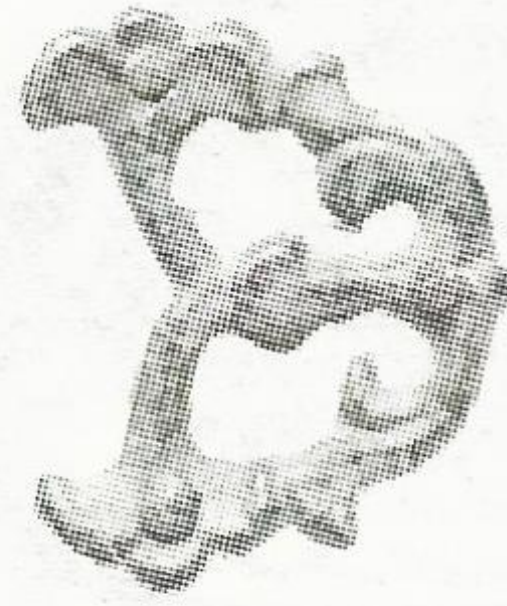


Szeged-Kundomb 1-15: grave 130; 16-24: grave 139.





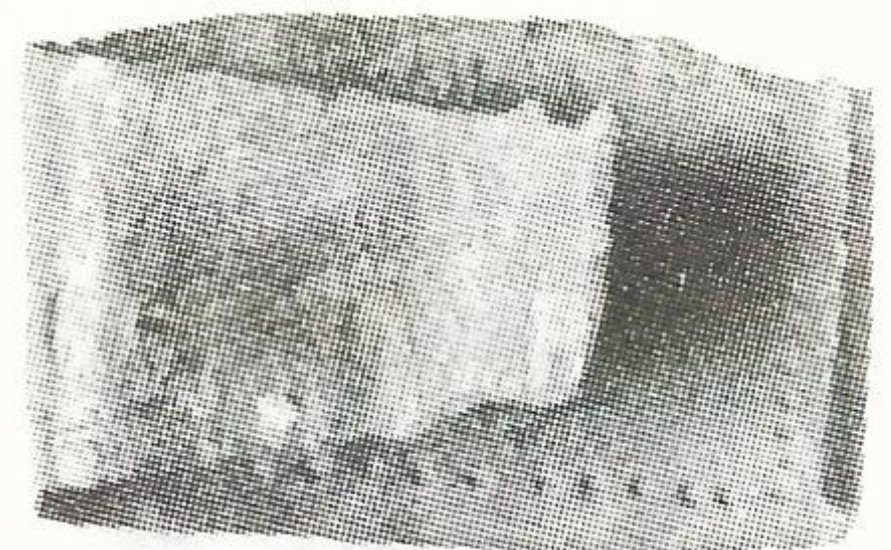
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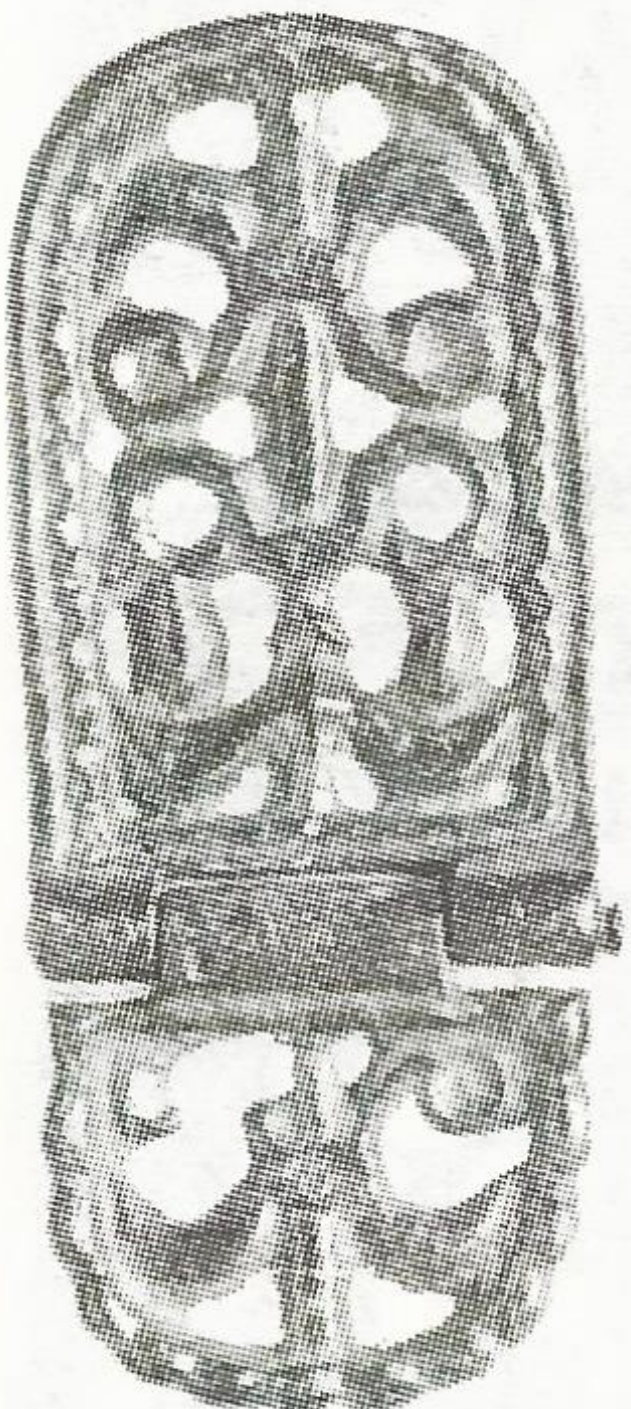
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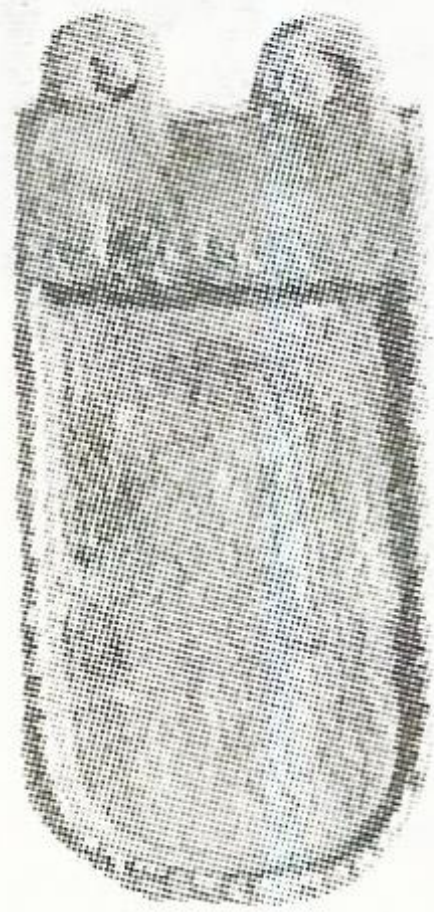
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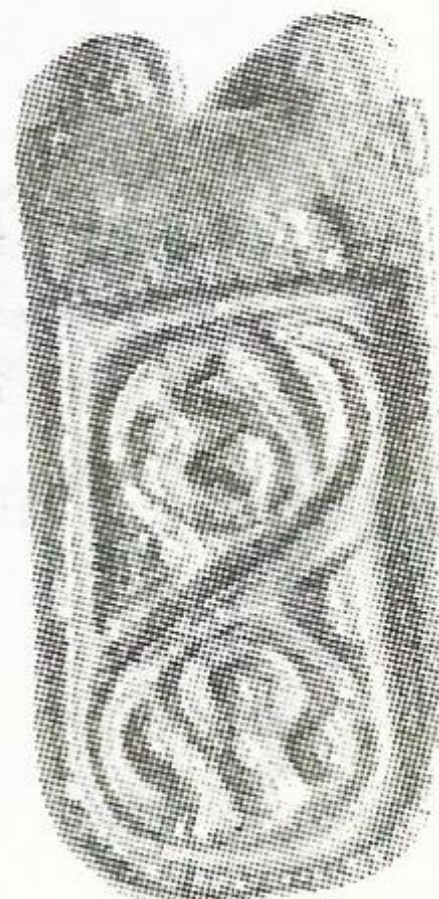
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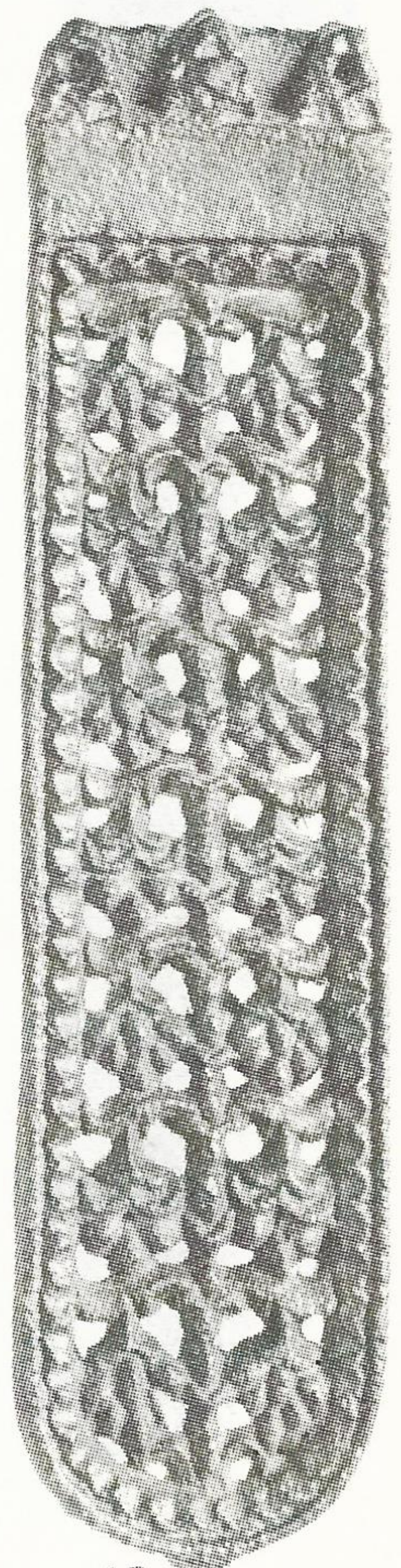
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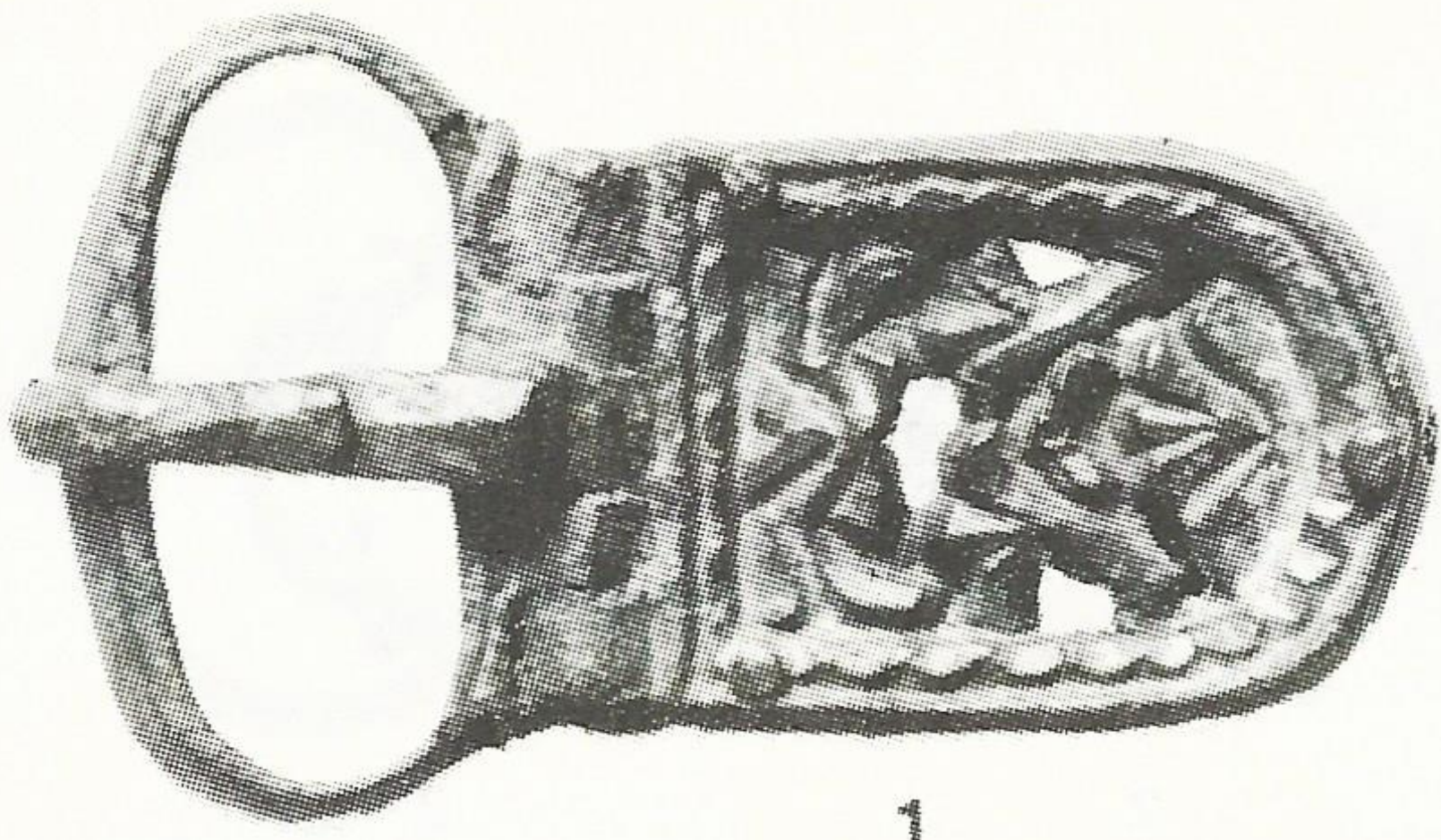
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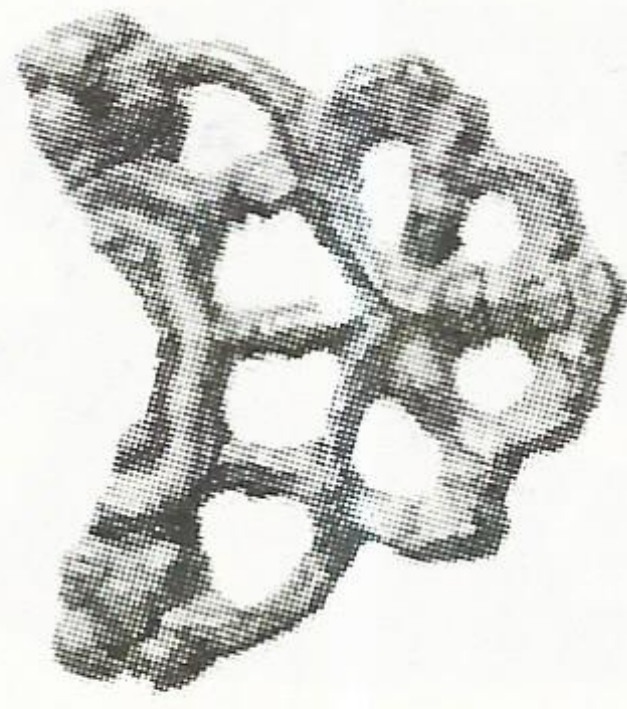
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Szeged-Kundomb 1-12: grave 38.

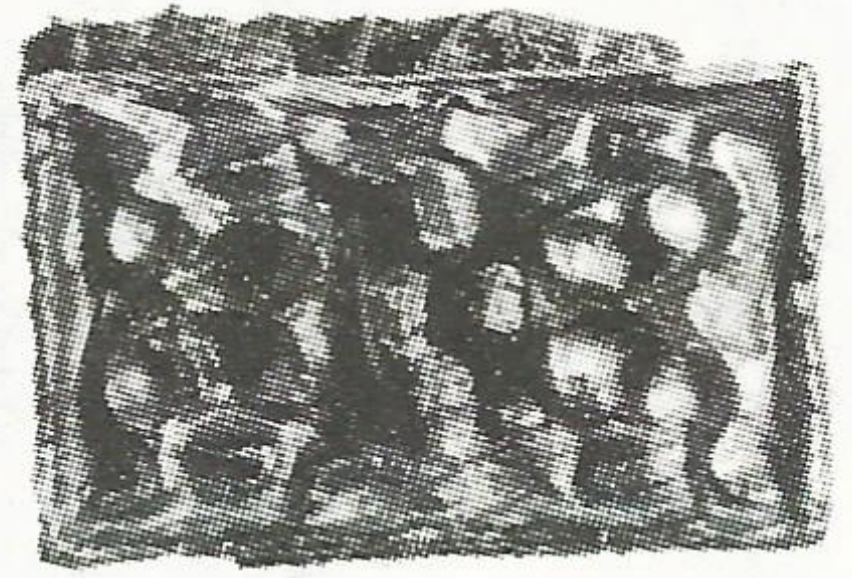




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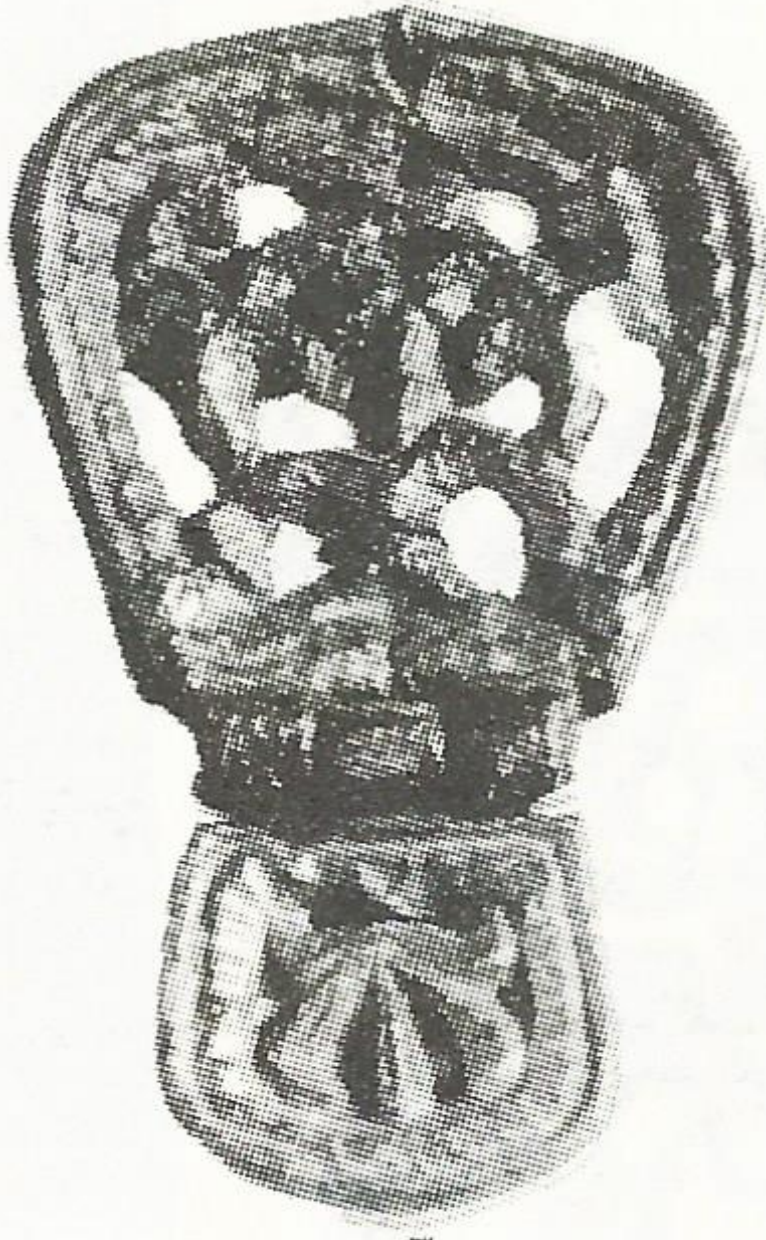
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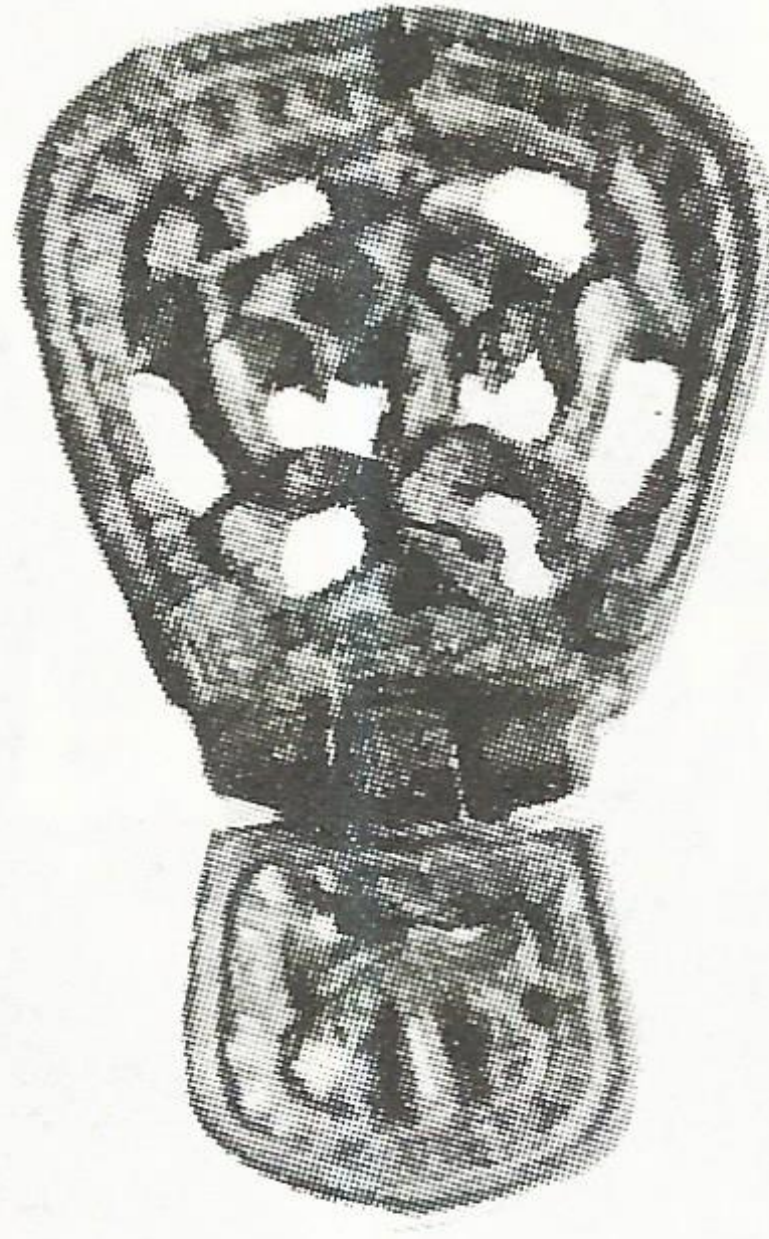
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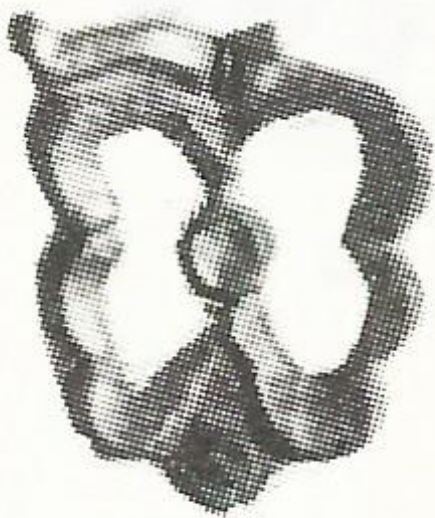
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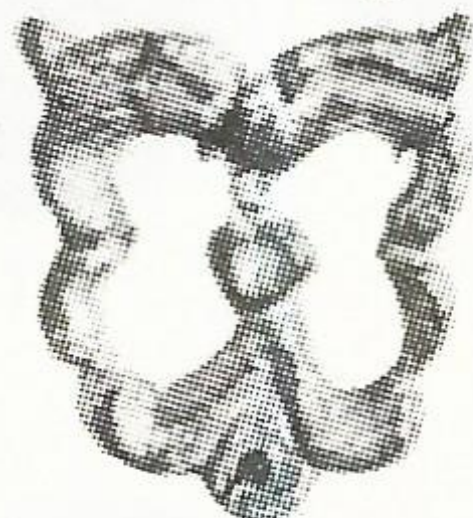
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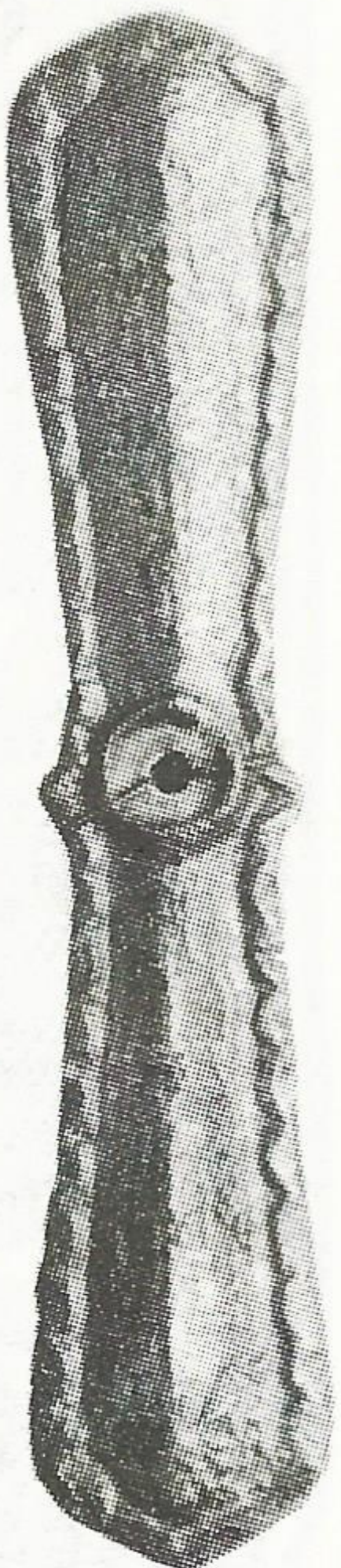
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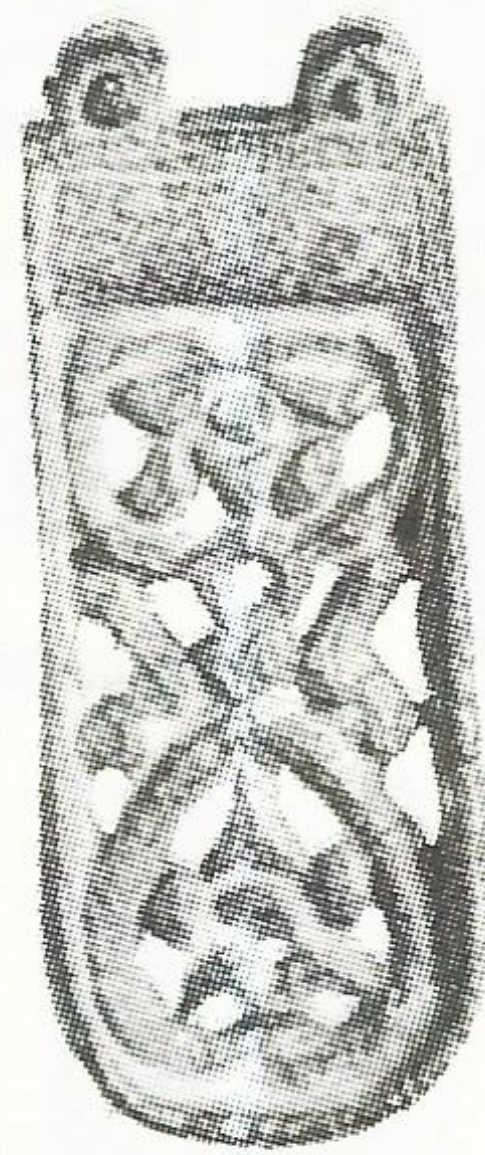
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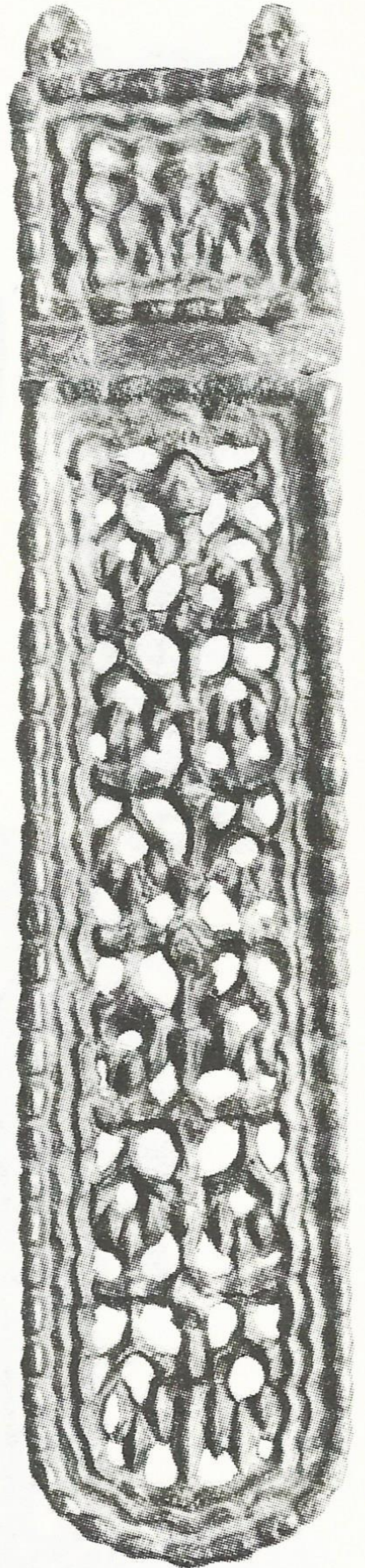
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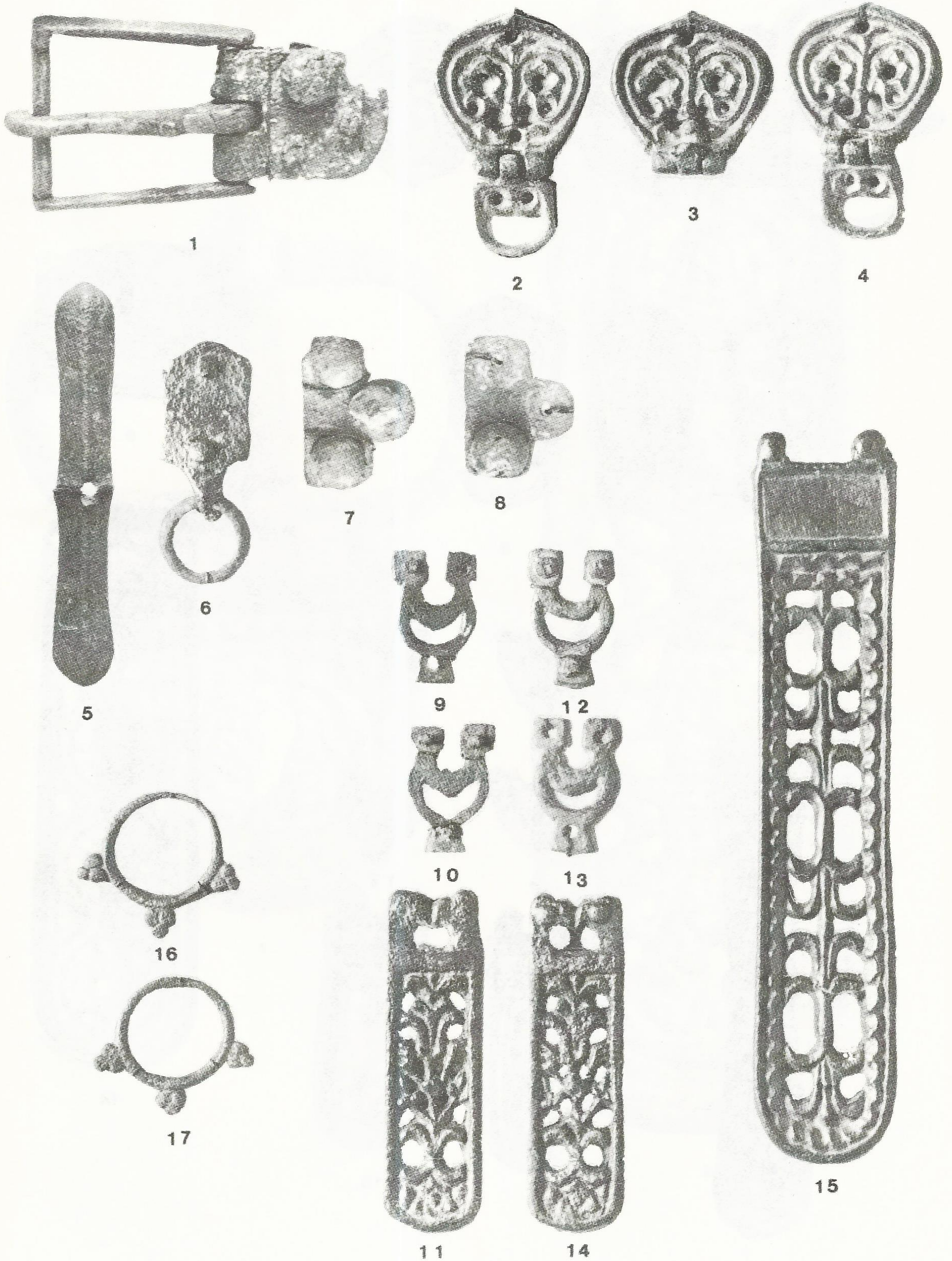
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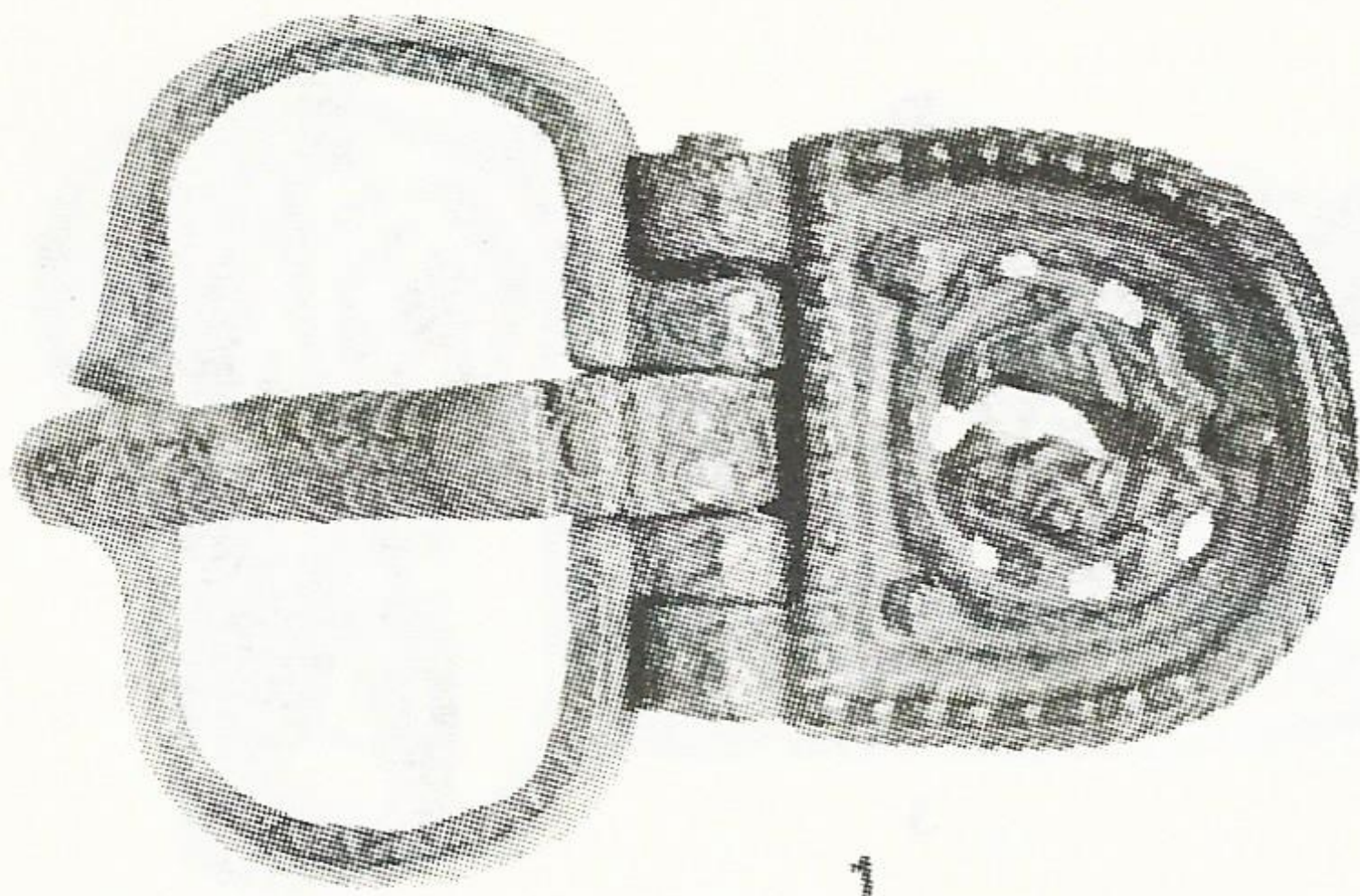
Szeged-Kundomb 1-12: grave 124.





Szeged-Kundomb 1-15: grave 111.

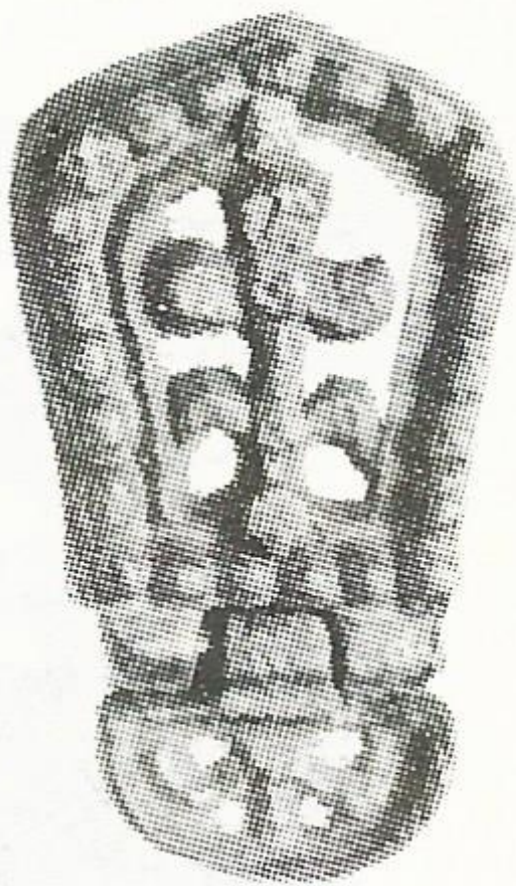




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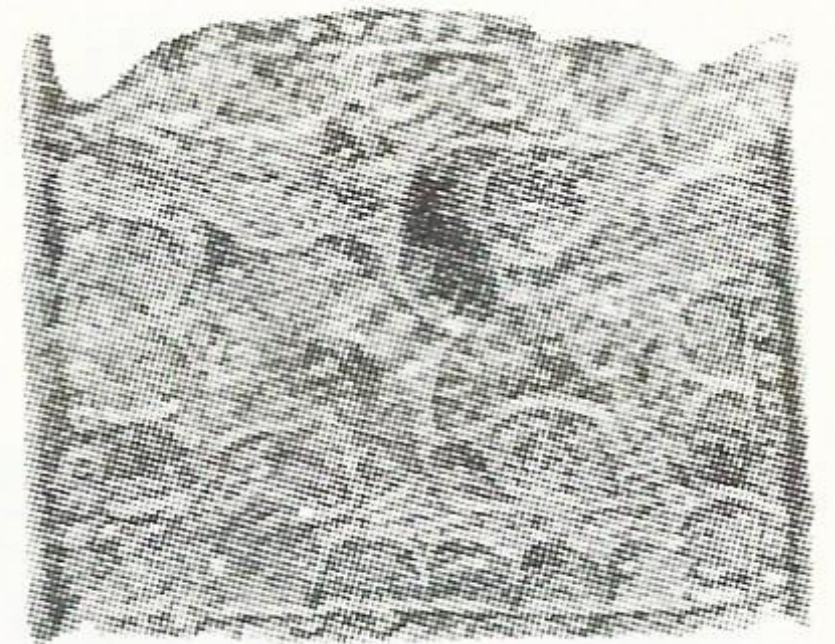
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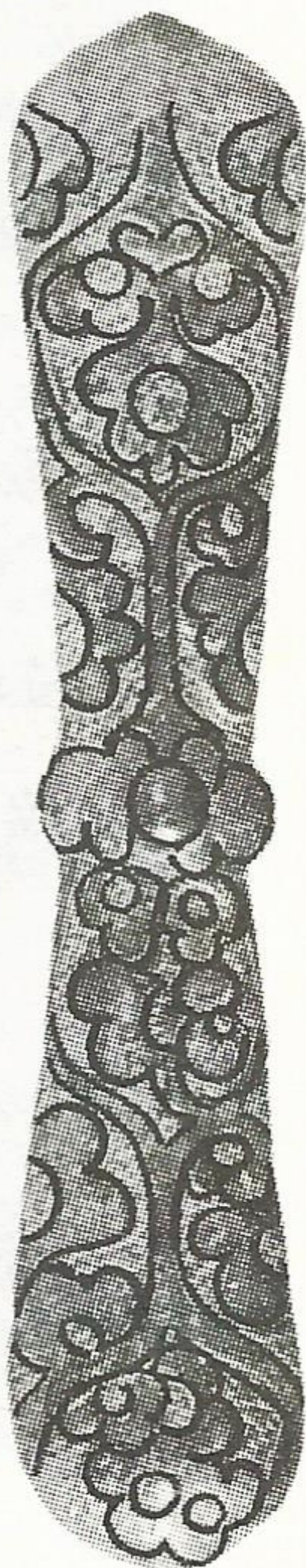
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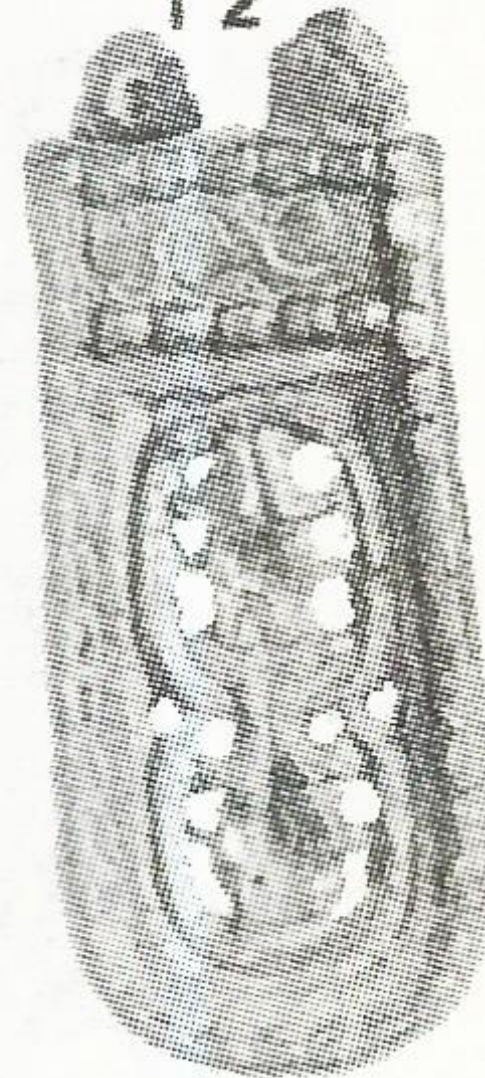
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Szeged-Kundomb 1-14: grave 285.





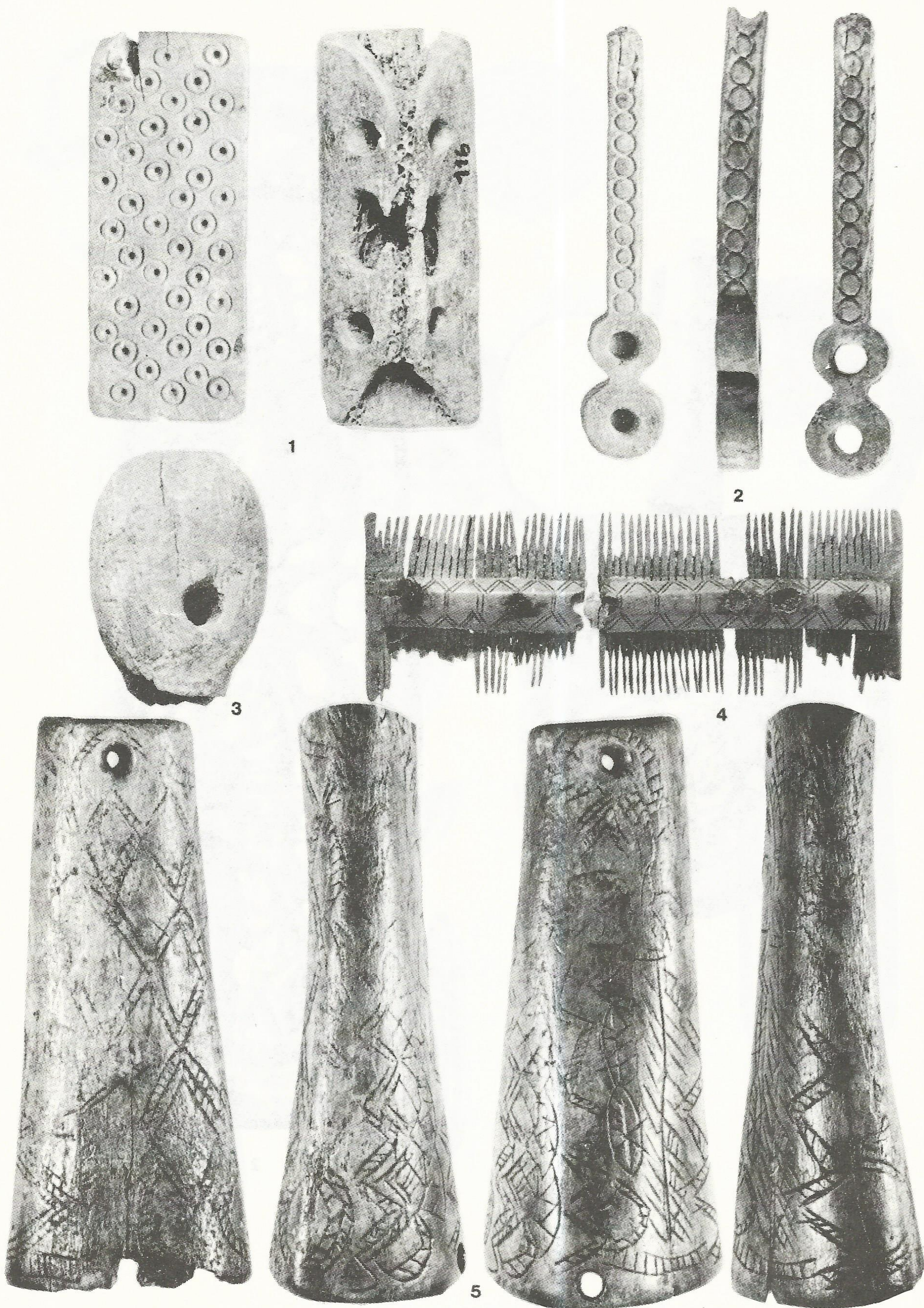
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Szeged-Kundomb 1-2: grave 285.





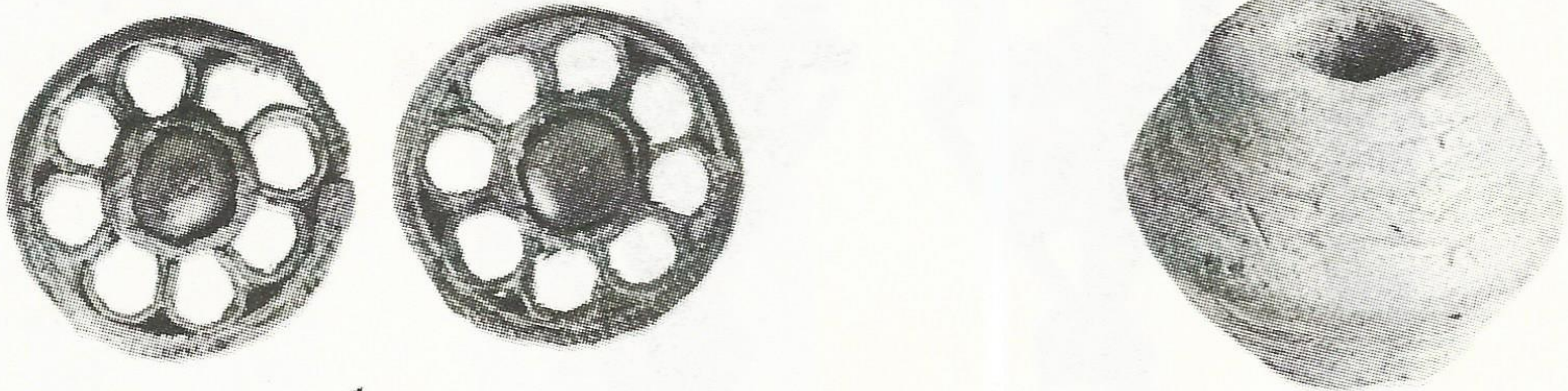
Szeged-Kundomb 1-3: grave 116; 4: grave 10; 5: grave 218.





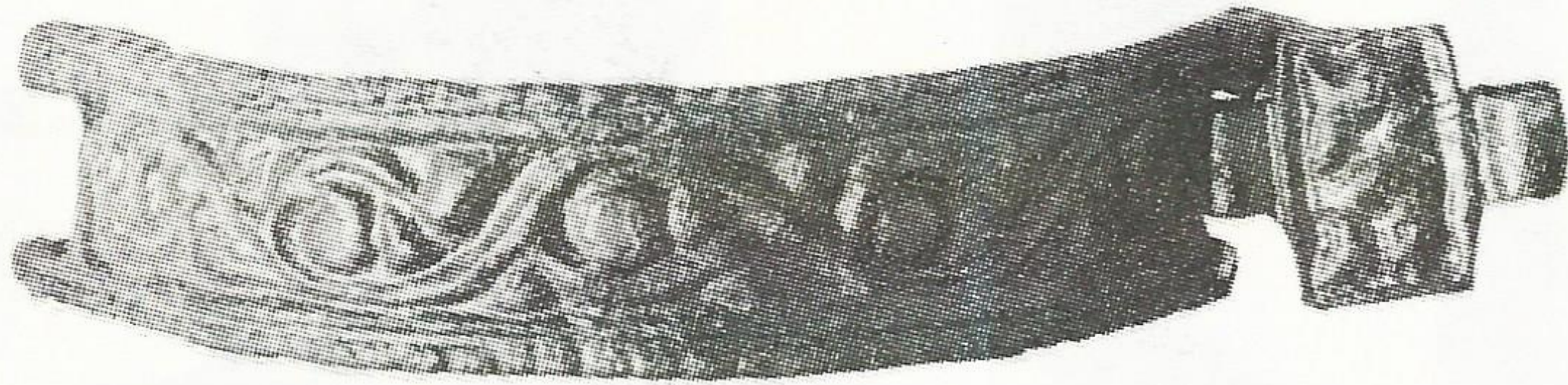
Szeged-Kundomb 1-2: grave 262; 3: grave 17; 4. grave 136; 5: grave 175.



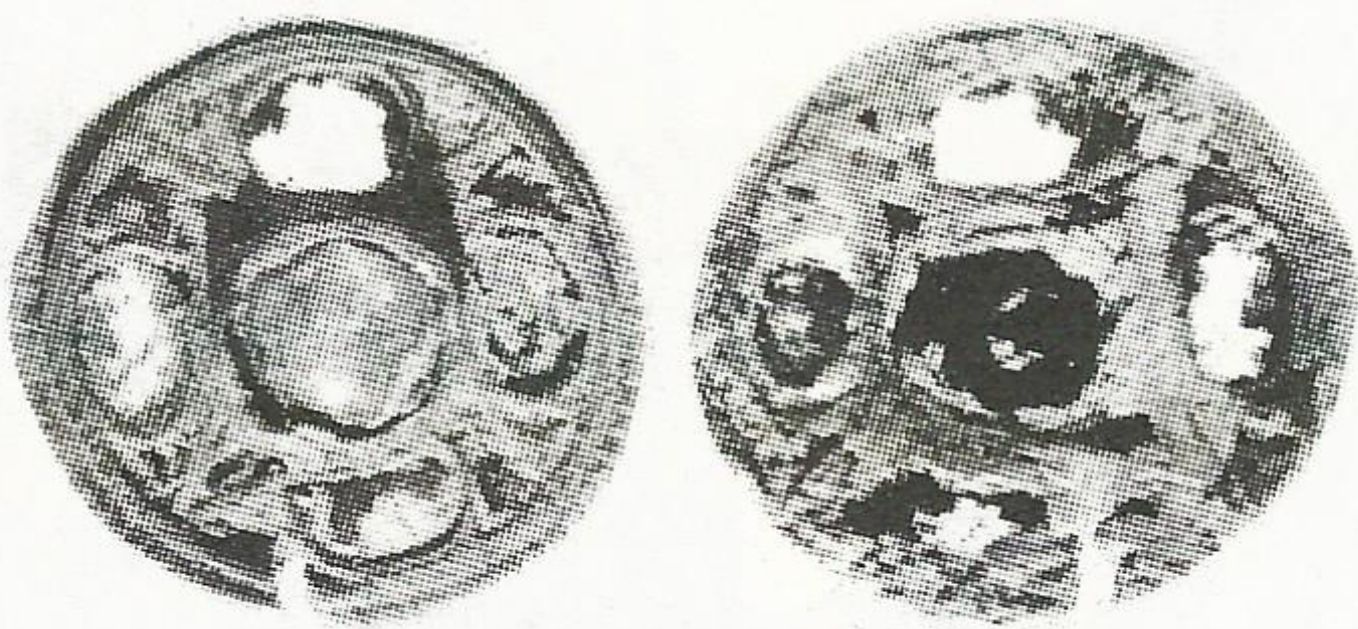
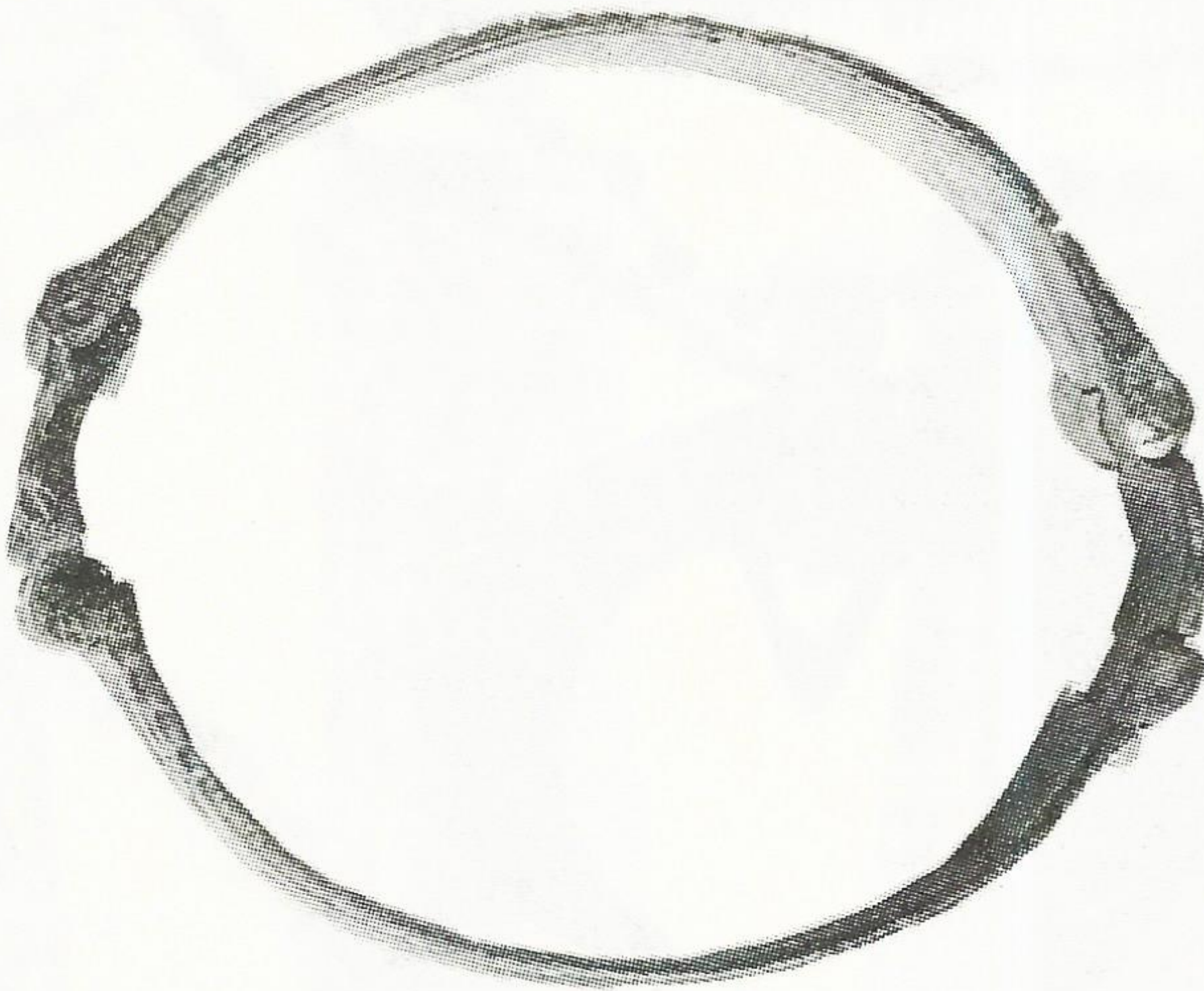


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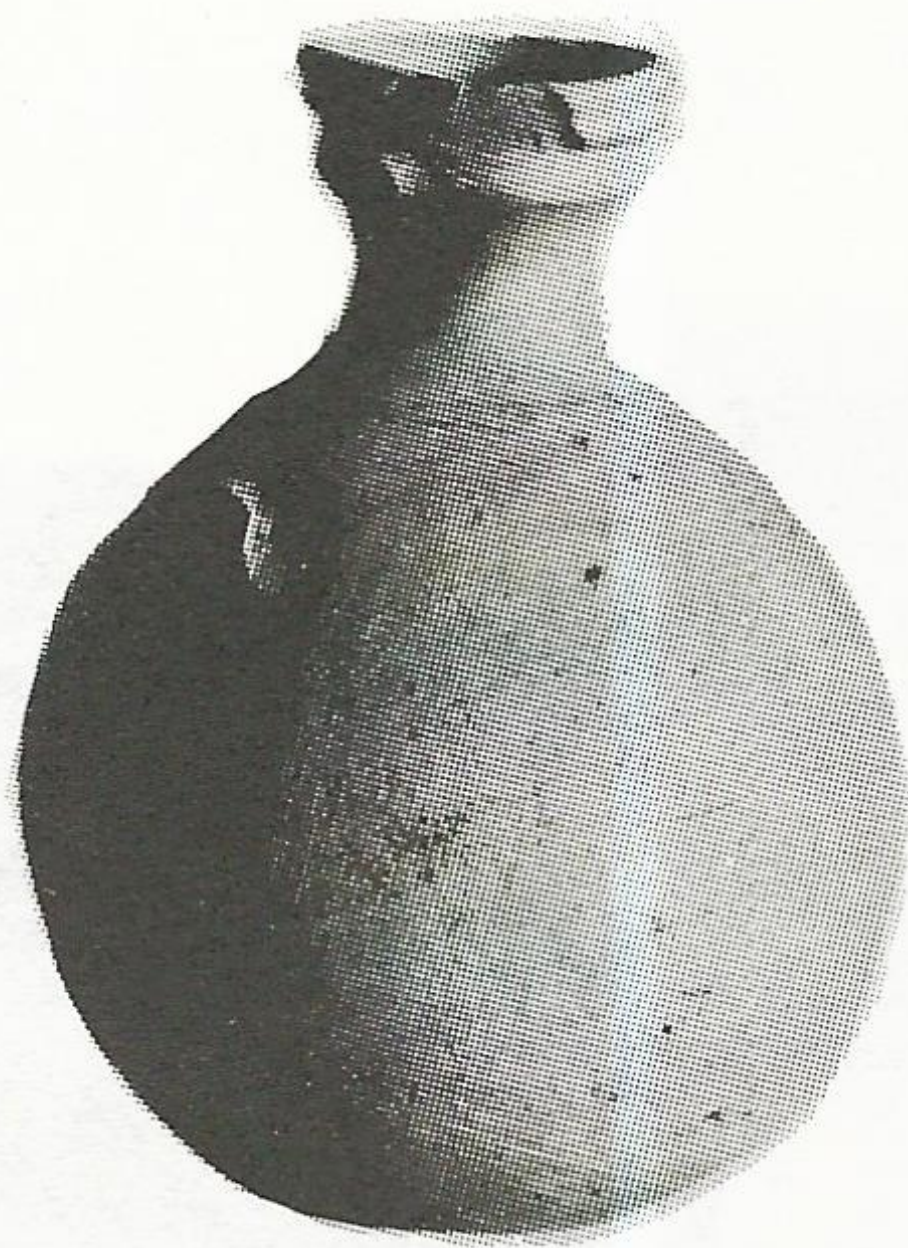
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Szeged-Kundomb 1-3: grave 108; 4-5: grave 270.

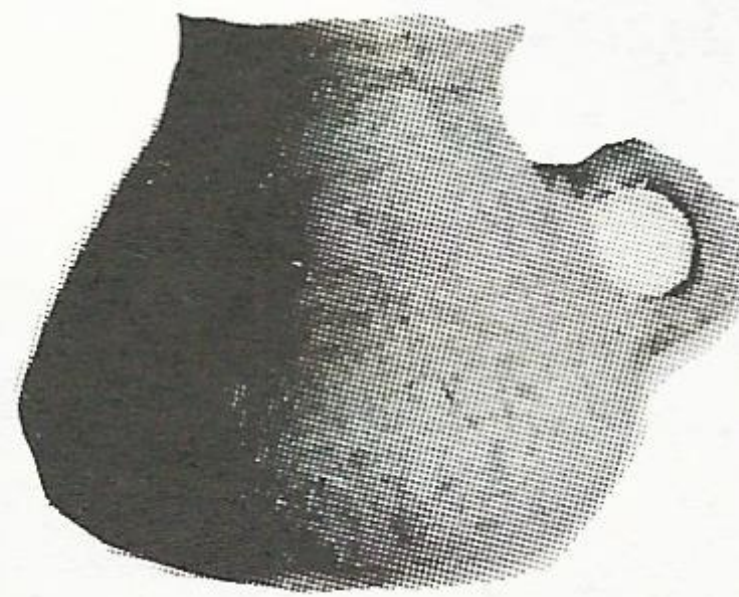




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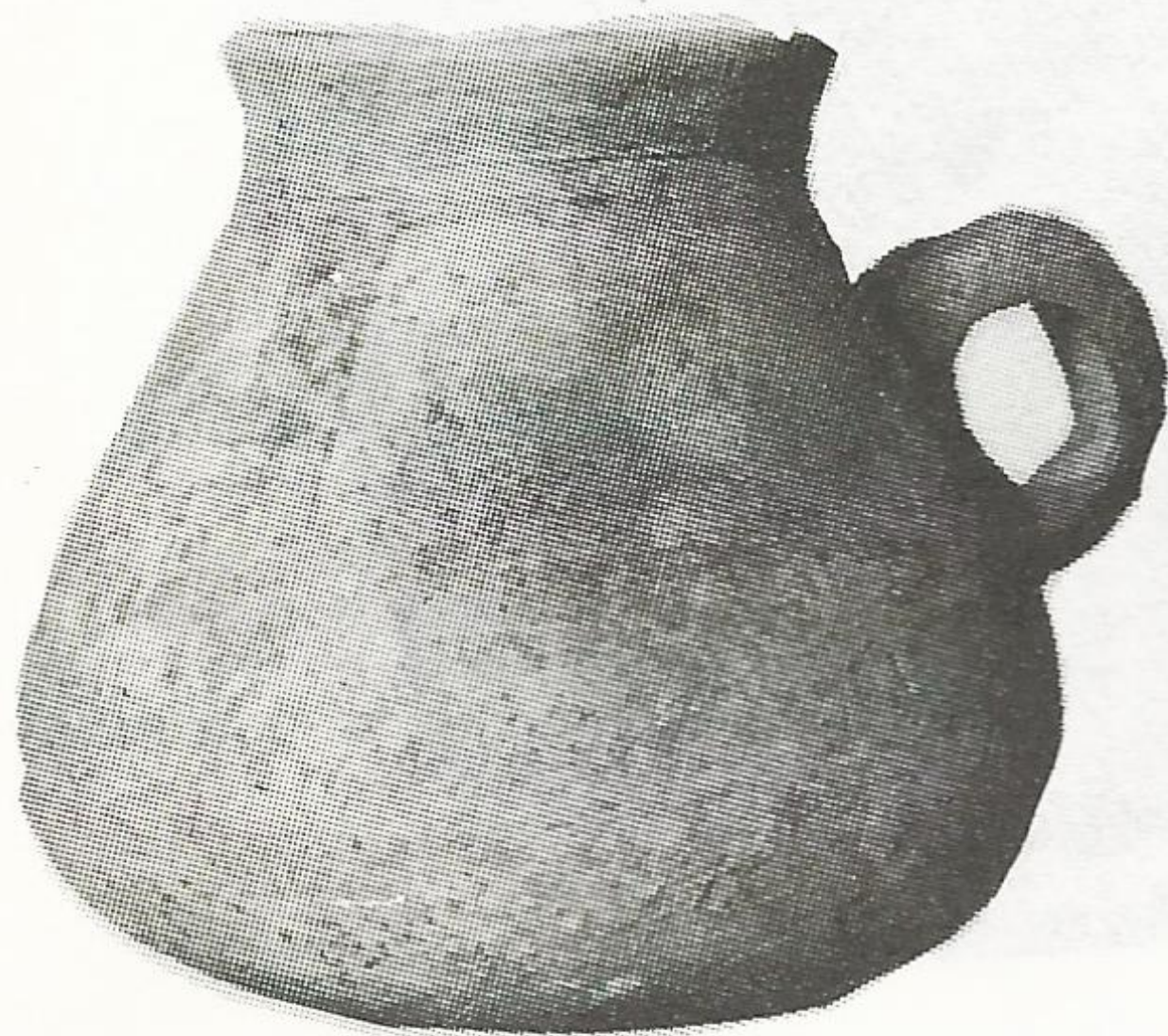
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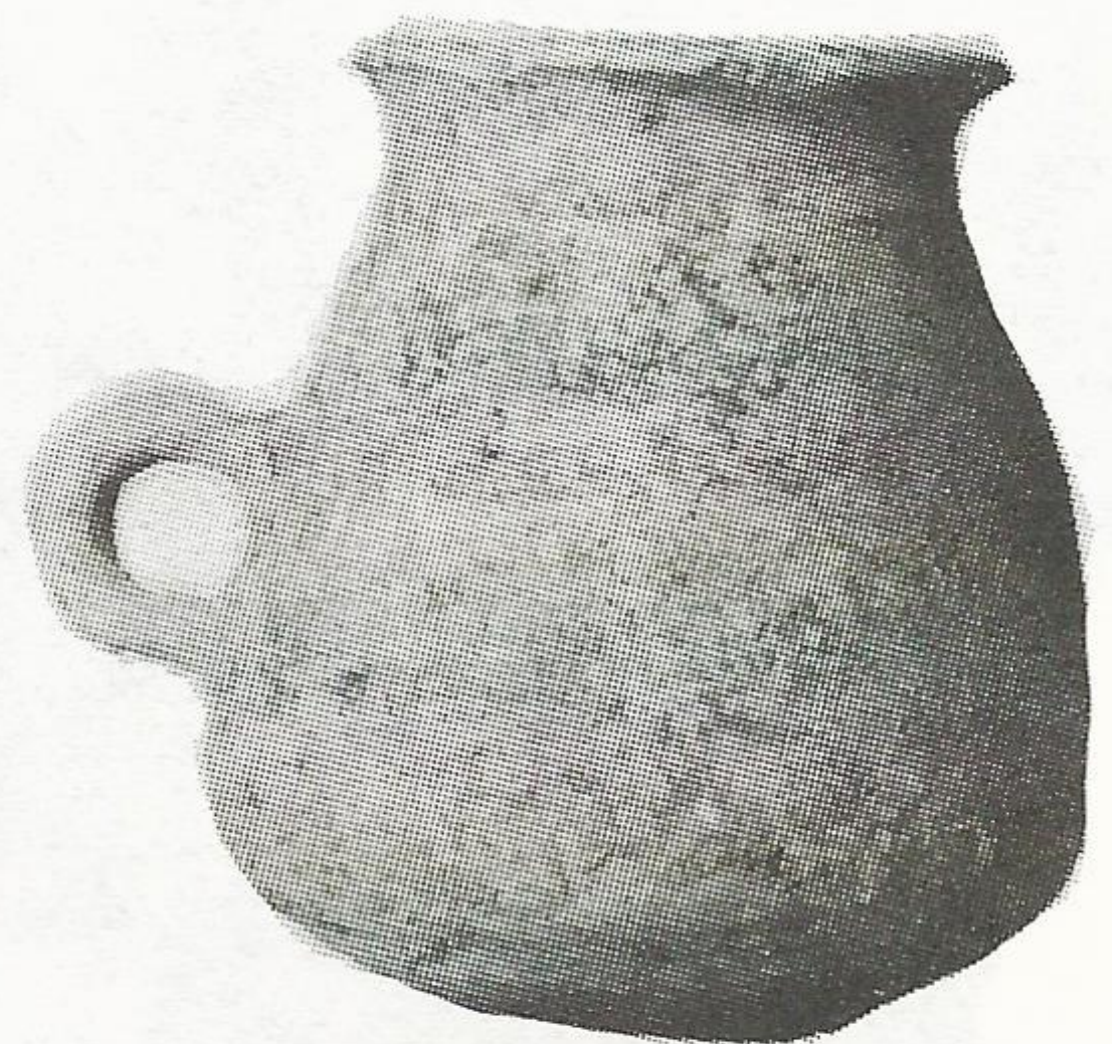
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zegeed-Kundomb 1-2: grave 143, 3: grave 169; 4: grave 152; 5: grave 148; 6: grave 285; 7: grave 130.





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Szeged-Kundomb 1: grave 44; 2: grave 263; 3: grave 300; 4: grave 111.





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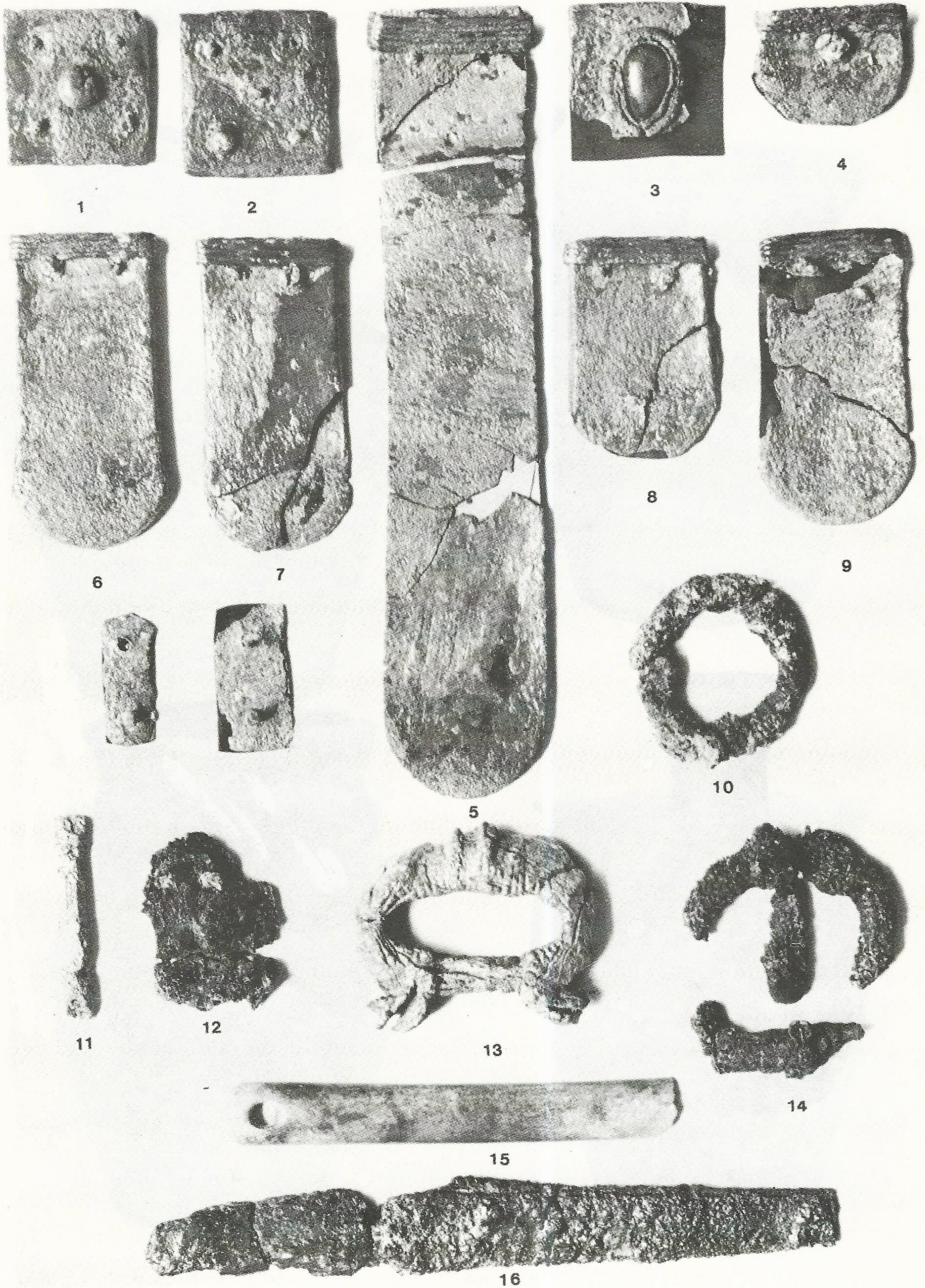
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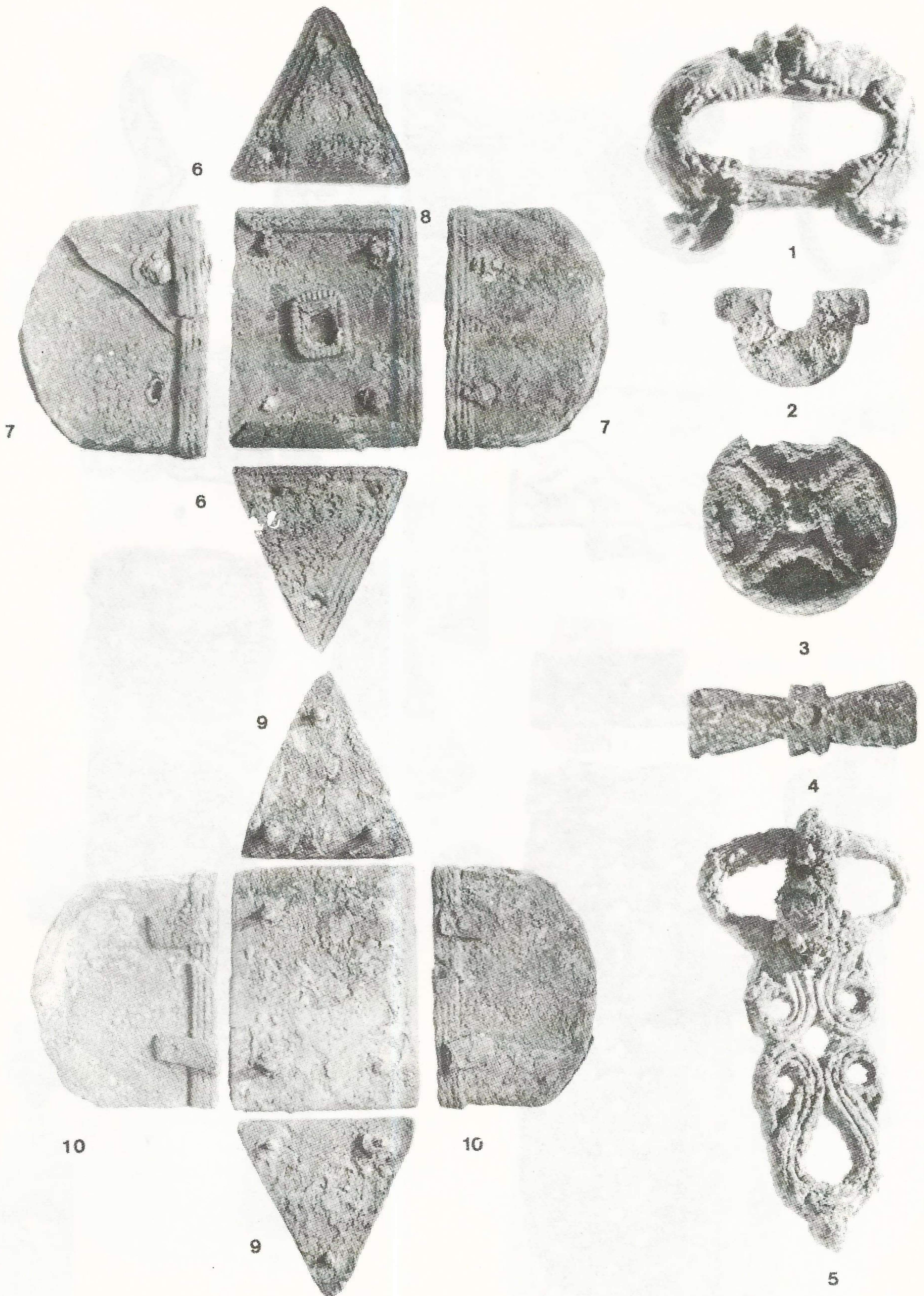
Szeged-Kundomb 1: grave 270; 2: grave 307; 3: grave 10.





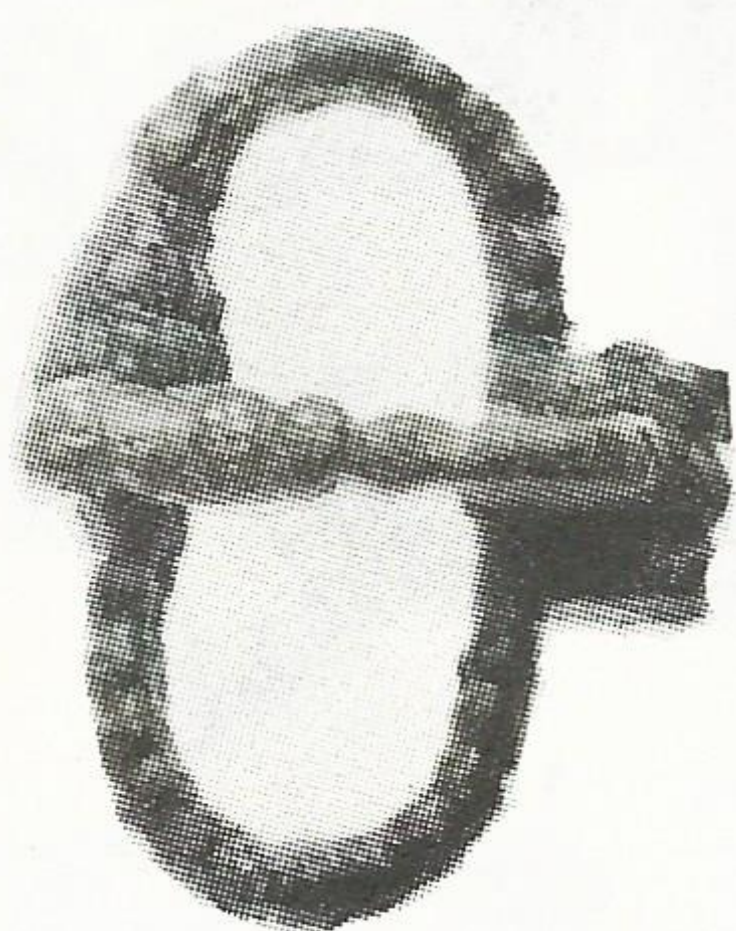
Szeged-Makkoserdő 1-16: grave 24.





Szeged-Makkoserdő 1-10/b: grave 241.

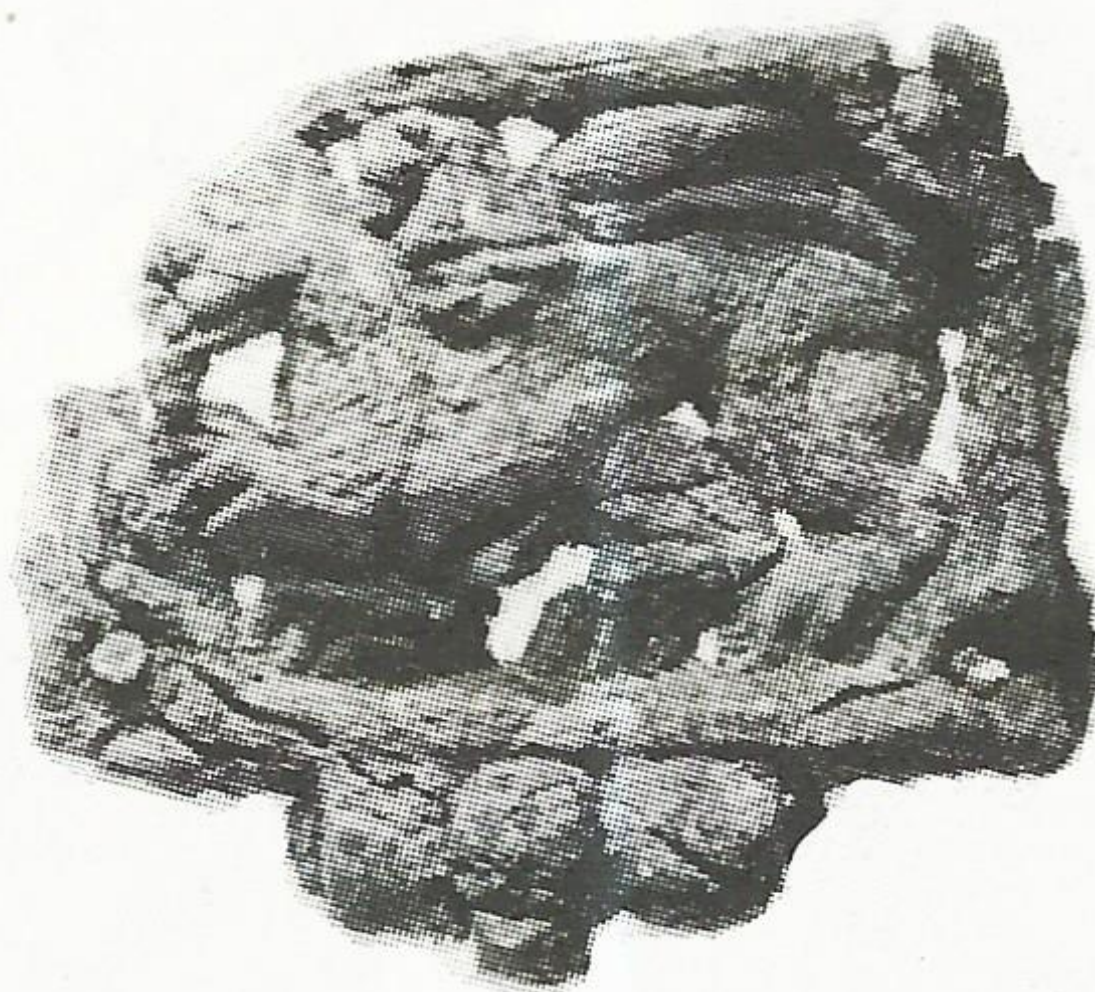




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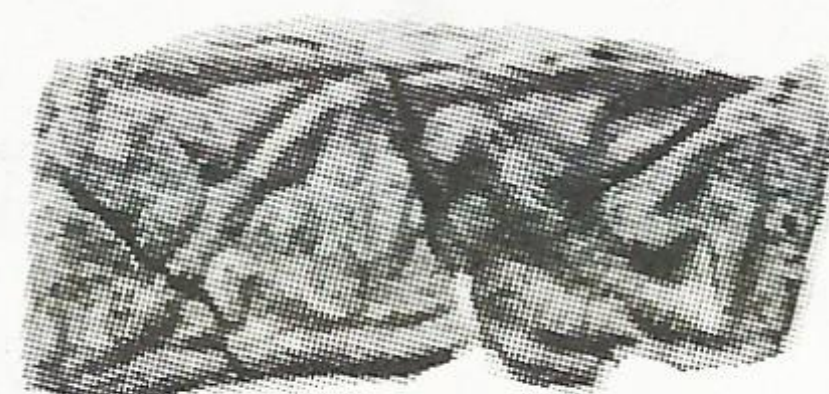
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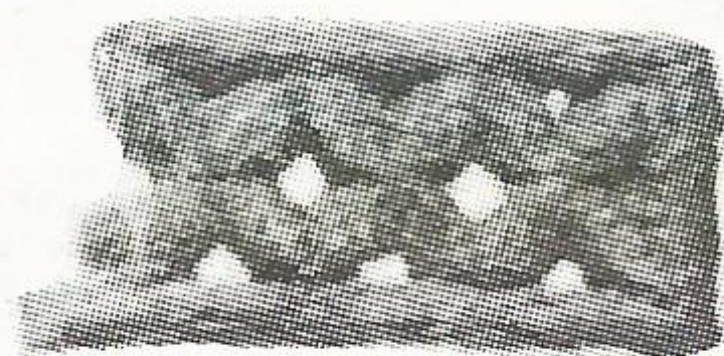
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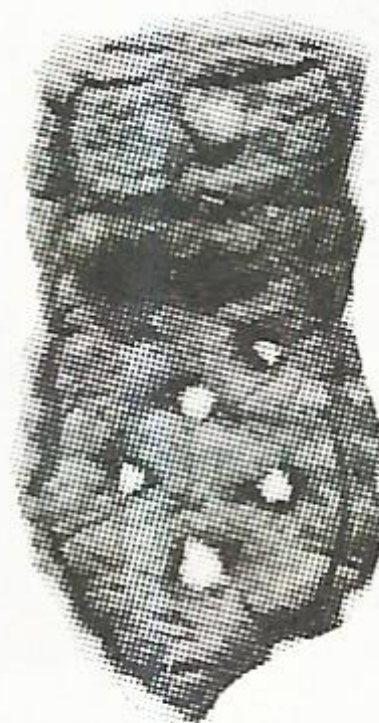
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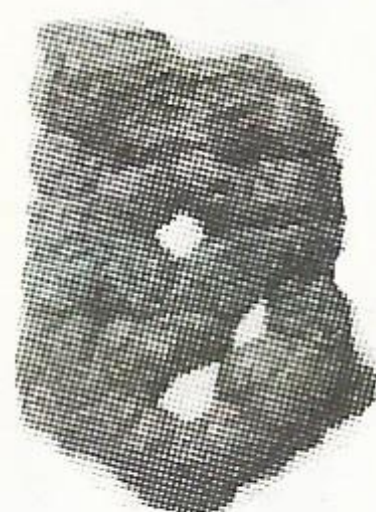
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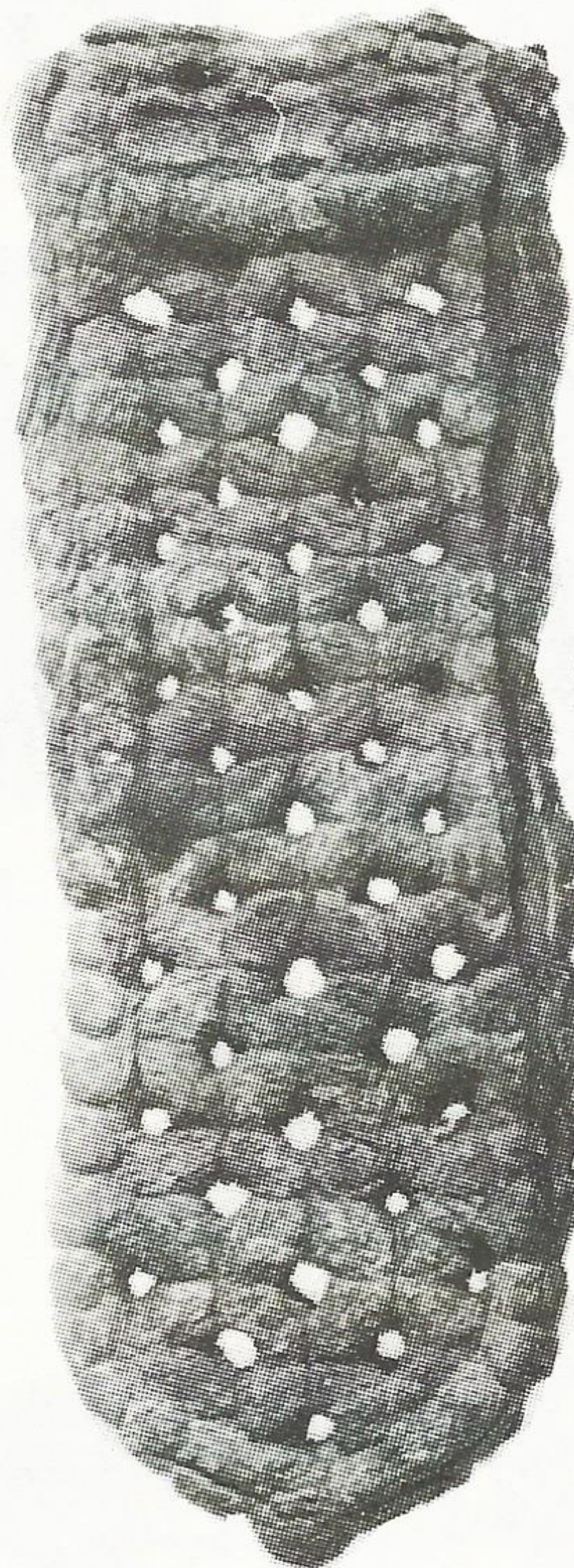
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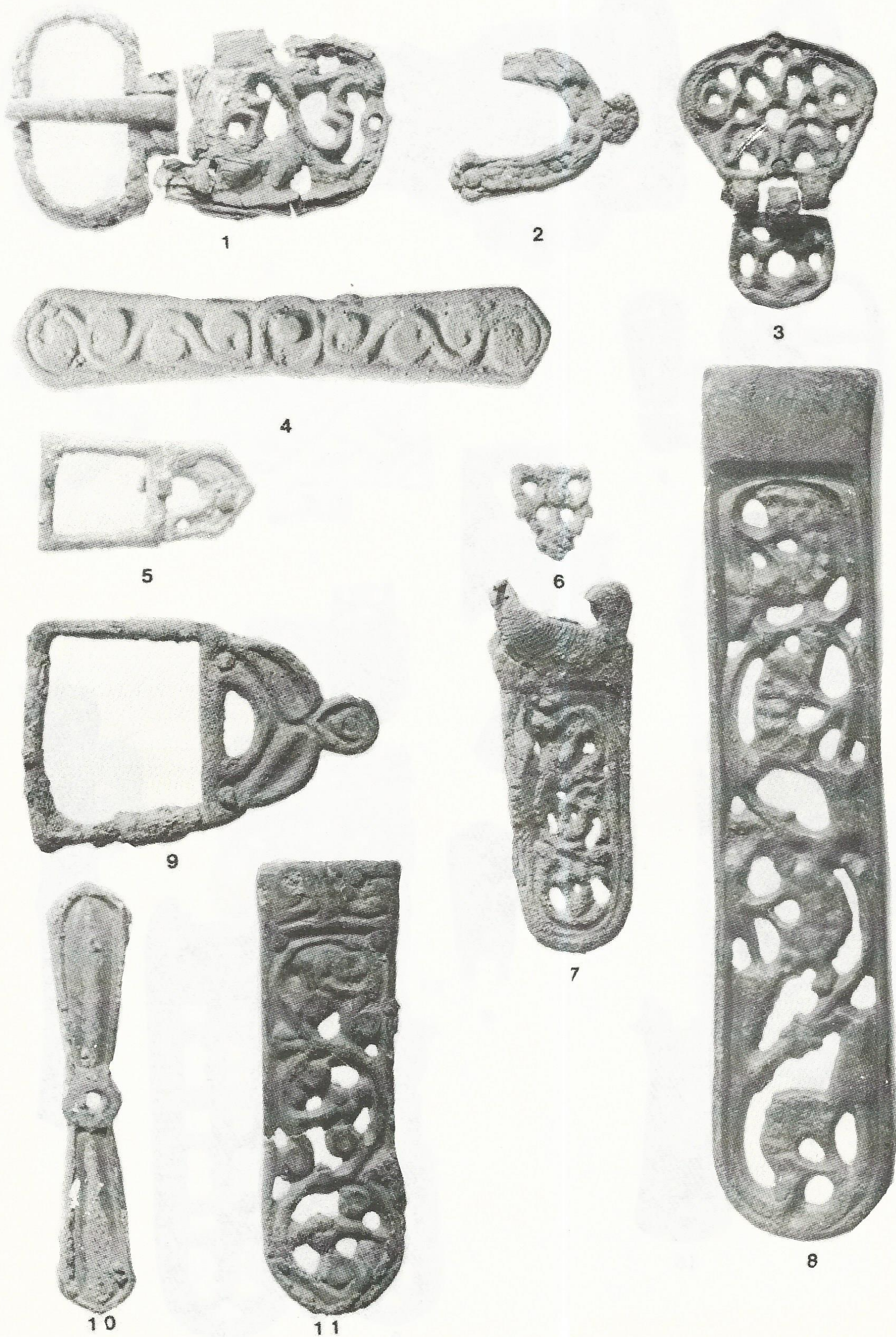
Szeged-Makkoserdő 1-7: grave 205; 8-12. grave 229.





Szeged-Makkoserdő 1: grave 44; 2-5: grave 89; 6-11: grave 82; 12-16: grave 311.





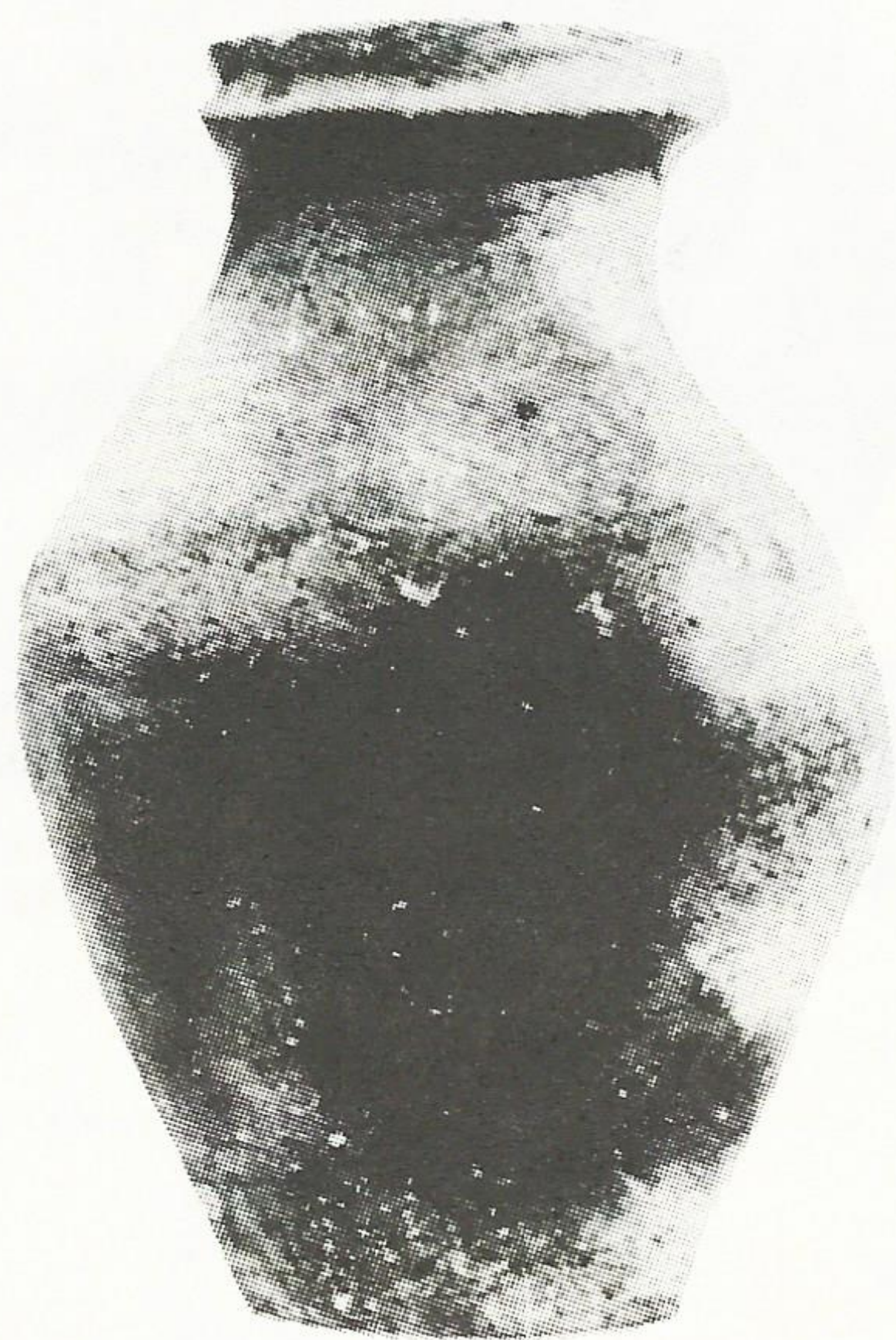
Szeged-Makkoserdő 1-8: grave 337; 9-11: grave 293.



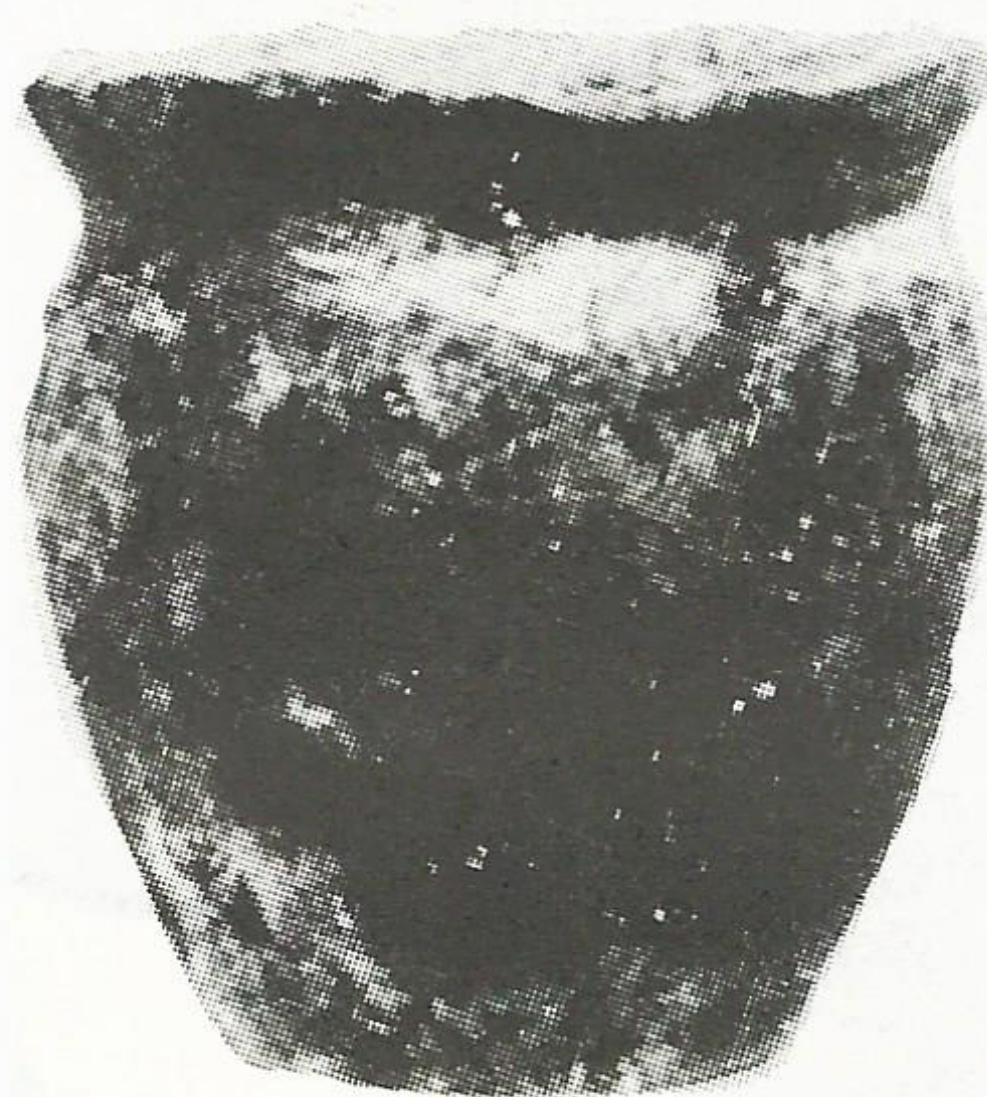


Szeged-Makkoserdő 1: grave 319; 2: grave 339; 3: grave 241; 4: grave 91; 5: grave 81.





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Szeged-Makkoserdő 1: grave 199; 2: grave 47; 3: grave 172; 4: grave 112.





Csengele-Feketehalom 1-4: grave 30; 5-7: grave 48; 8-9: grave 32; 10-11: grave 59;  
10-14: Stray finds; 15: grave 93; 16: grave 94.

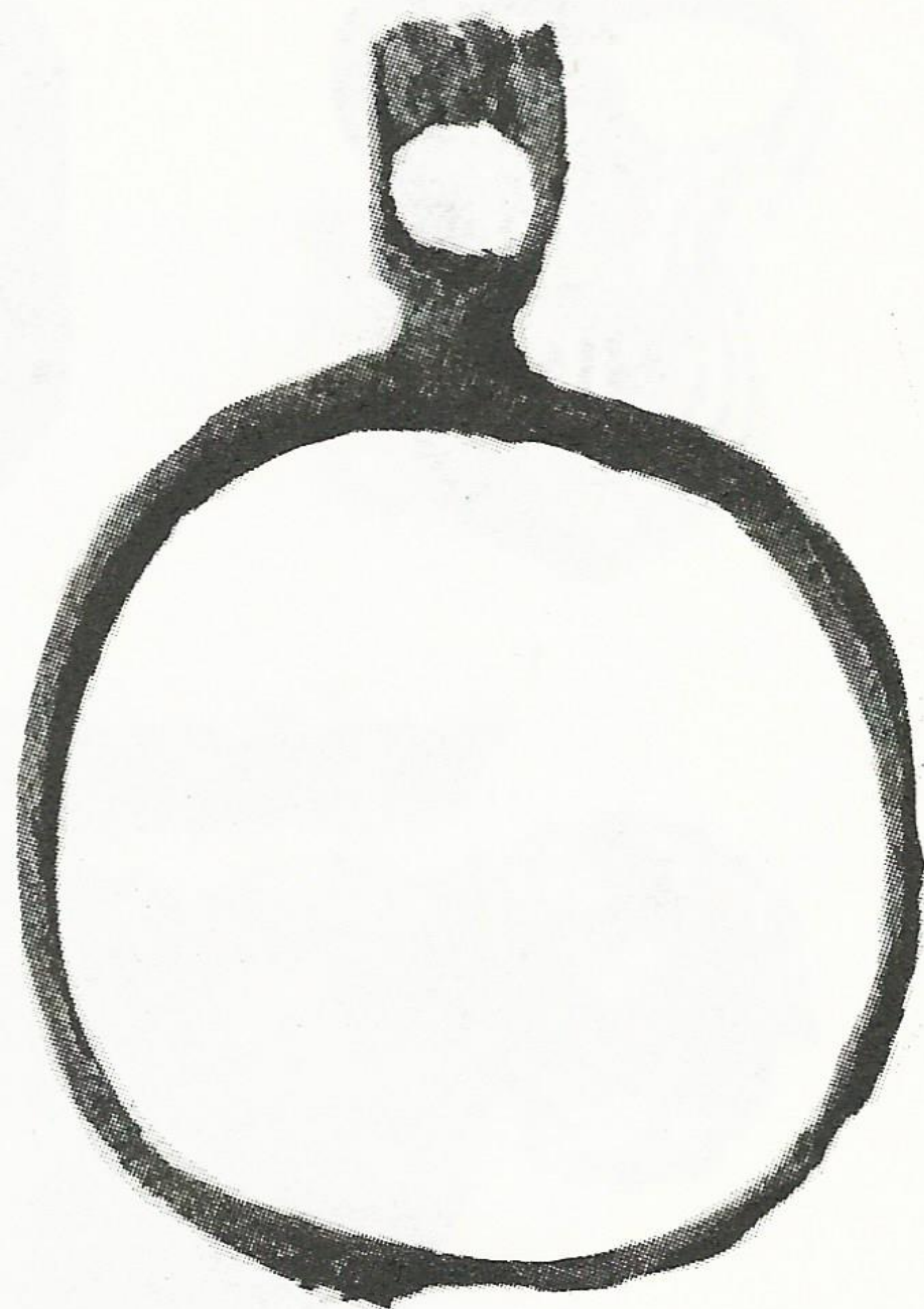




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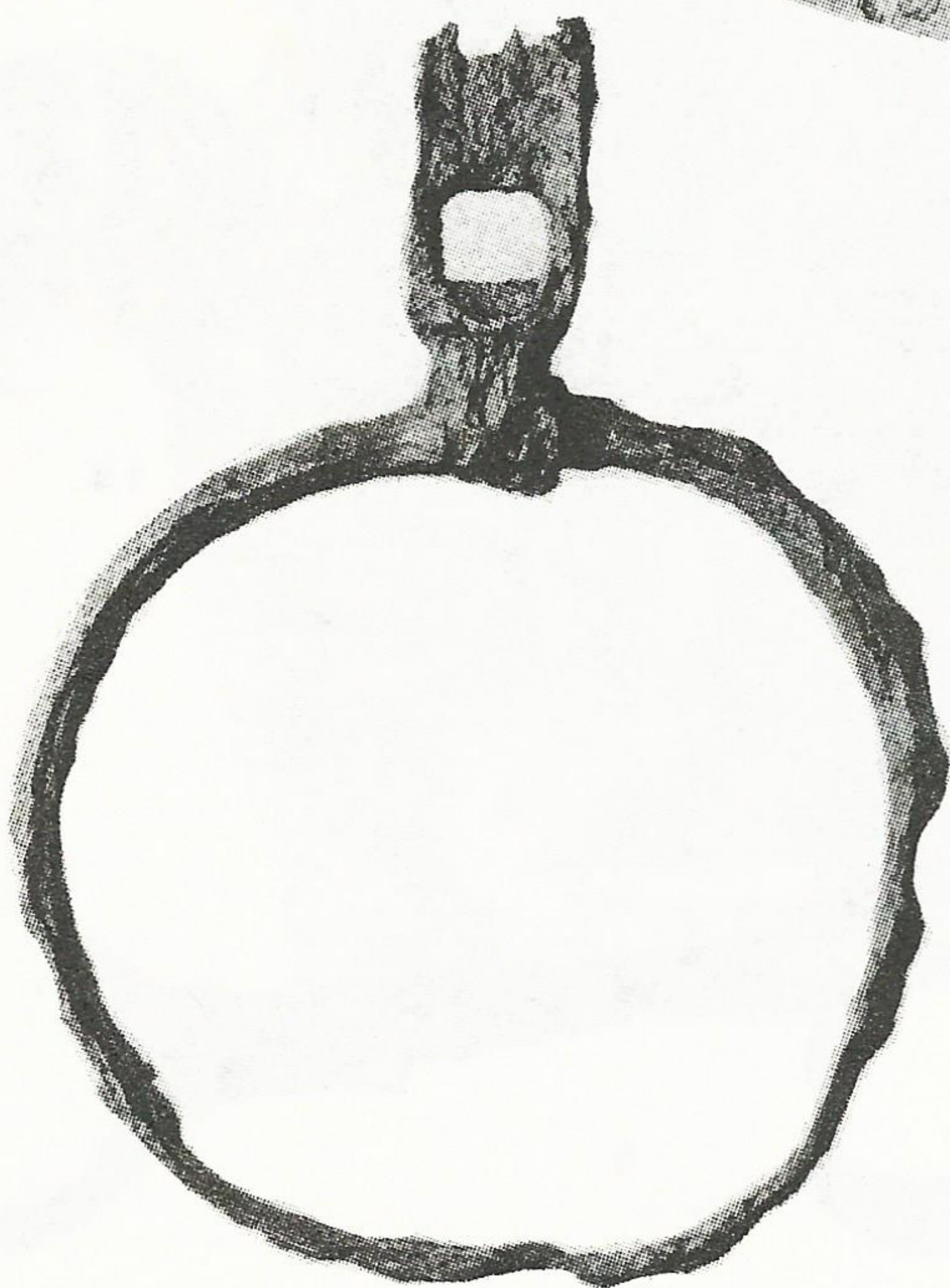
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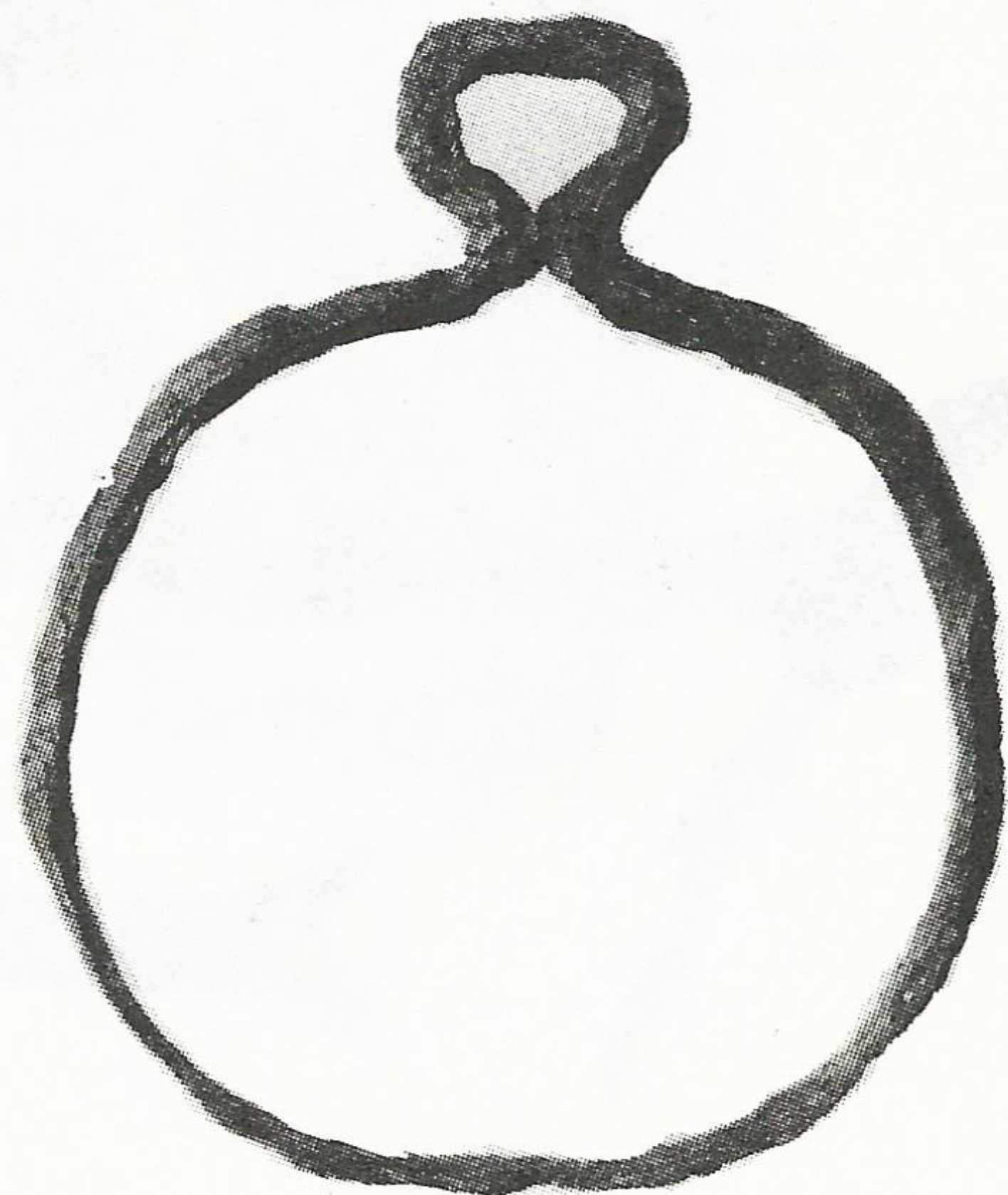
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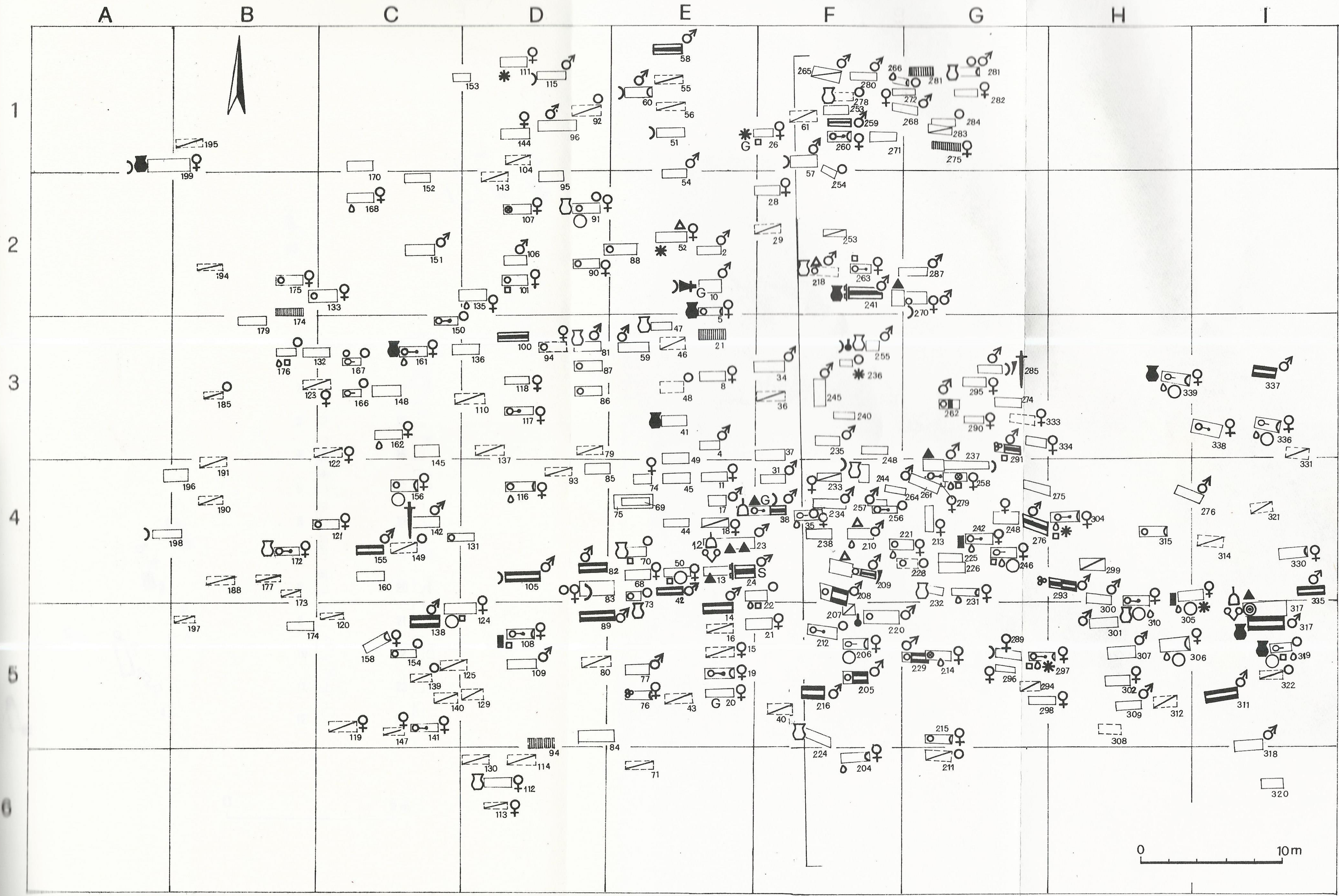
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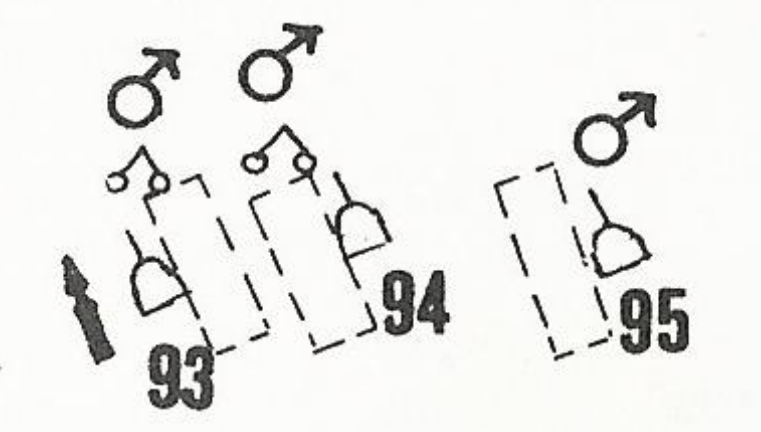
Csengele-Feketehalom 1-3: grave 93; 4: grave 47; 5: grave 94; 6: grave 95.





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| 1  | ♂ | 13 |  |
| 2  | ♀ | 14 |  |
| 3  | ○ | 15 |  |
| 4  |   | 16 |  |
| 5  |   | 17 |  |
| 6  |   | 18 |  |
| 7  |   | 19 |  |
| 8  |   | 20 |  |
| 9  |   | 21 |  |
| 10 |   | 22 |  |
| 11 |   | 23 |  |
| 12 |   | 24 |  |

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*Ágnes Salamon — Károly Cs. Sebestyén*

**THE SZEGED—KUNDOMB CEMETERY**

*Ágnes Salamon*

**THE SZEGED—MAKKOSERDŐ CEMETERY**

*Gyula Török*

**THE CSENGELE—FEKETEHALOM CEMETERY**

