Axes

460. PRB 1868.12-28.279. Purchased from M. Gustav Klemm of Dresden. Collected by his father Dr Klemm. Fiesole (Florence), Tuscany. Winged axe with butt wings and trapezoidal blade. Axes type 37. Straight butt, widening beyond the end of the wings, oval wings, marked stop-ridge and shoulders, trapezoidal blade with slightly curved cutting edge. Blackish patina with light green zones. L. 18.5cm Weight 683g
See PRB IX. 12, nos. 2056-2060, type Grottazzolina var. A. EIA. Bibliography: BM Guide 1904, 116, fig. 116 right; BM Guide 1920a, 149, fig. 156 right; BM IX. 12, no. 2058.

461. PRB 1875.12-29.2. Given by Sir A. W. Franks. Tarascon, Provence, France. Winged axe with butt wings and trapezoidal blade. Axes type 37. Straight butt, oval wings, marked stop-ridge and shoulders, trapezoidal blade with almost straight cutting edge. Shiny, dark green patina with bright green incrustations and corroded zones. Faces flattened, probably by hammering, part of a wing missing. L. 16.5cm Weight 438g
See PRB IX. 12, no. 2057, from the Tronto or Vibra Valley (Marche or Abruzzo), type Grottazzolina var. A; no. 3362, from Veii, Grotta Gramiccia, Tomb 537. Type Narce. EIA.

See PRB IX. 12, no. 2058, type Grottazzolina var.A. EIA. Bibliography: Walters 1899, no. 2936.

463. PRB 1964.12-1.388 (374). Sir Henry Wellcome Collection, no. 113258. Bought in Rome from A. Rocci by Captain Saint in April 1932. Given by the Wellcome Trustees. Winged axe with butt wings and trapezoidal blade. Axes type 37. Straight butt, widening beyond the end of the wings, oval wings, marked stop-ridge and shoulders, trapezoidal blade with slightly curved cutting edge. Incised parallel lines and two lines crossing on the blade, and series of lines at an angle on the wings. Dark green patina with incrustations of earth. Small parts missing. L. 12.4cm Weight 98g
See PRB IX. 12, no. 2054, from Veii, type Bambolo, var.; Giardino 1995, fig. 62B.1,2, decorated axes of similar type from Lustignano and Volterra, Tuscany. EIA.

464. PRB 1964.12-1.391 (375). Sir Henry Wellcome Collection, no. 113264. Bought in Rome from A. Rocci by Captain Saint in April 1932. Given by the Wellcome Trustees. Winged axe with butt wings and trapezoidal blade. Axes type 37. Straight butt, widening beyond the end wings, wide oval wings, marked stop-ridge and protruding shoulders, wide trapezoidal blade with slightly curved cutting edge. Incised lines along the edges of the blade. Shiny brown patina with green incrustations. Small parts missing. L. 14cm Weight 245g
See PRB IX. 12, nos. 2060, from Tarquinia (Viterbo), Lazio; 2061, from Roccabegna (Grosseto), Tuscany. Type Grottazzolina. EIA.

See PRB IX. 12, no. 2137 from Cignano (Arezzo), Tuscany, type Cignano. EIA, late.

Analysis: Bronze. See D. Hook report. See PBF IX. 12, no. 3386, from Bologna, Emilia Romagna (not identical). Type Benacci var B. EIA, late.

See PRB IX. 12, no. 2137, from Cignano (Arezzo), Tuscany. Type Cignano, EIA, late. The BM piece is very close to this type, except that it has no stop-ridge. EIA. Bibliography: Walters 1899, no. 2936, fig. 82; Bietti Sestieri 1986, 'Weapons and Tools', 6, no. 20, and fig. p. 19.

468. PRB 1866.6-27.100. Henry Christy Collection. Given by the Trustees under the will of Henry Christy. Perhaps bought from G. Eastwood. Winged axe with butt wings and trapezoidal blade. Axes type 38. Straight butt, widening beyond the end of the wings, oval wings, marked stop-ridge and shoulders, trapezoidal blade with straight cutting edge. Traces of grooved decoration on blade and wings. Irregular patina, green and black incrustations. L. 14cm Weight 246g
See cat. 467; for the decoration see also PBF IX. 12, nos. 3362, from Veii; 3385, 3386, from Bologna, Benacci cemetery. EIA.

469. PRB WG1075. Canon W. Greenwell Collection, bought from the Rev. Greville J. Chester. Given by J. Pierpont Morgan in 1909. 'Maremma di Toscana', Province of Siena, Tuscany (note that now the Maremma, i.e. the coastal strip of central and northern Tuscany, is part of the province of Livorno). Winged axe with butt wings and trapezoidal blade. Axes type 39. Straight butt with two slight side indentations, wide oval wings, marked stop-ridge and protruding shoulders, wide trapezoidal blade with almost straight cutting edge. Incised lines along the edge of the blade. Smooth dark green patina. Blade broken in antiquity, both parts
preserved. Probably from a hoard.
L. 15.7cm Weight 313g
See PBF IX. 12, nos. 3055–3355, mainly from the San Francesco hoard, Bologna, Emilia Romagna. Type San Francesco.
EIA, late.

470. PRB WG1076. Canon W. Greenwell Collection,
Salsolo (Parma), Emilia Romagna.
Winged axe with butt wings and trapezoidal blade. Axes type 39.
Thick-sectioned tool. Straight butt, wide oval wings, marked stop-ridge and protruding shoulders, wide and short trapezoidal blade, probably reworked, with curved cutting edge.
On both faces, incised zigzag pattern on the stop-ridge. Smooth olive green patina. Wings broken intentionally in antiquity.
L. 13.8cm Weight 494g
See cat. 469.
EIA, late.

471. PRB WG1077. Canon W. Greenwell Collection.
Given by J. Pierpont Morgan in 1909.
Bologna, Emilia Romagna.
Winged axe with butt wings and trapezoidal palette blade. Axes type 39.
Slightly concave butt, wide oval wings with small central hole between the wings, marked stop-ridge and protruding shoulders, thin, wide trapezoidal blade, broken at end. Blackish patina with thick green and turquoise incrustations.
L. 12.2cm Weight 196g
See cat. 469.
EIA, late.

Poszory, Hungary.
Winged axe with butt wings and trapezoidal blade. Axes type 39.
Straight butt, wide oval wings, marked stop-ridge and protruding shoulders, wide trapezoidal blade with almost straight cutting edge. On both faces, three nicks on the stop-ridge, a series of fine vertical nervatures and a cast mark (letter?) between the wings. Dull patina, dark green in various tones.
L. 15.7cm Weight 646g
See cat. 469.
EIA, late.

473. PRB 1866.6-27.102. Henry Christy Collection.
Given by the Trustees under the will of Henry Christy. Perhaps bought from G. Eastwood.
Winged axe with butt wings and trapezoidal blade. Axes type 39.
Straight butt, oval wings, marked stop-ridge and shoulders, trapezoidal blade with almost straight cutting edge. Incised decoration on the whole surface: concentric circles on the faces of the blade; alternating rows of concentric circles, dots and parallel lines on the wings; parallel lines and dots on the sides of the blade. Irregular green and black patina.
L. 17cm Weight 663g
See cat. 469. Decoration: PBF IX. 12, no. 3395, type Benacci, var.
EIA, late.

474. PRB 1878.11-1.207. Given by General A.W.H. Meyrick.
Winged axe with butt wings and trapezoidal blade. Axes type 39.
Straight butt with small central hole, wide oval wings, marked stop-ridge and protruding shoulders, wide trapezoidal blade with almost straight cutting edge. Blackish patina with white incrustations and very dark corroded surface.
L. 17cm Weight 514g
See cat. 469.
EIA, late.

475. PRB 1935.10-18.24. Transferred from GR.
Bequeathed by R. Payne Knight in 1824.
Winged axe with butt wings and trapezoidal blade. Axes type 39.
Straight hammered butt, wide oval wings, marked stop-ridge and protruding shoulders, wide and short trapezoidal blade, probably reworked, with slightly curved cutting edge. Smooth dark green patina with incrustations.
L. 13.3cm Weight 514g
See PBF IX. 12, especially nos. 3297–3299, mainly from the hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco.
EIA, late.

Bibliography: Walters 1899, no. 2937.

476. PRB 1935.10-18.27. Transferred from GR.
Charles Townley Collection. Bought from Peregrine Townley.
Winged axe with butt wings and trapezoidal blade. Axes type 39.
Straight butt, wide oval wings, marked stop-ridge and protruding shoulders, wide trapezoidal blade with almost straight cutting edge. Smooth dark green patina. Wings, blade edges and cutting edge all damaged.
L. 16.7cm Weight 637g
See cat. 469.
EIA, late.

Bibliography: Walters 1899, no. 2937.

Winged axe with butt wings and trapezoidal blade. Axes type 39.
Straight butt, wide oval wings, marked stop-ridge and protruding shoulders, wide and short trapezoidal blade, reworked, with slightly curved cutting edge. Dull, dark green patina with incrustations in various tones of green and brown. Small parts missing from the wings, casting fault (one wing asymmetrical).
L. 10.4cm Weight 229g
See cat. 469.
EIA, late.

Winged axe with butt wings and trapezoidal blade. Axes type 39.
Straight butt, wide oval wings, marked stop-ridge and protruding shoulders, wide trapezoidal blade with almost straight cutting edge. Between the wings on one side, an incised mark (star). Smooth blackish patina with bright green incrustations. Small parts missing.
L. 16.2cm Weight 638g
See cat. 469.
EIA, late.

479. PRB WG1078. Canon W. Greenwell Collection,
Sarzana (La Spezia), Liguria.
Winged axe, thick with elongated body and trapezoidal butt. Axes type 40.
High butt, wide oval wings, marked stop-ridge and shoulders, elongated trapezoidal blade with slightly rounded cutting edge. Smooth patina in various tones of green, surface with corroded zones. Butt hammered. Part of cutting edge missing.
L. 19.6cm Weight 793g
See PBF IX. 12, nos. 2146–2523, mainly from the hoards of San Francesco, Bologna, Emilia Romagna, and Ardea (Rome), Lazio. Type Ardea.
EIA, late.

480. PRB WG1079. Canon W. Greenwell Collection,
‘Alba della Massa’, probably Massa d’Albe (L’Aquila), Abruzzo.
Winged axe, thick, with elongated body and trapezoidal butt. Axes type 40.
Medium butt, wide oval wings, marked stop-ridge and shoulders, wide and elongated trapezoidal blade with slightly rounded cutting edge. Small hollow at centre of the upper part of the blade. Smooth blackish patina.
L. 19.2cm Weight 669g
See cat. 479.
EIA, late.

481. PRB 1935.10-18.44. Transferred from GR.
(1916.6-1.26). Given by Lord Avebury.
Acquired in Naples and probably from neighbourhood.
Campania.
Winged axe, thick-sectioned, with elongated body and trapezoidal butt. Axes type 40.
Medium butt, wide oval wings, marked stop-ridge and shoulders, elongated trapezoidal blade with rounded cutting edge. Dull green patina with corroded surface. Small parts missing.
L. 21.3cm Weight 759g
See cat. 479.
EIA, late.

482. PRB WG2263. Canon W. Greenwell Collection,
bought from Bryce Knight of Regent Street.
Given by J. Pierpont Morgan in 1909.
Tarascon, Provence, France.
Winged axe, thick-sectioned, with elongated body and trapezoidal butt. Axes type 40.
Medium butt, wide oval wings, marked stop-ridge and shoulders, elongated blade with rounded cutting edge. Incised lines along the
edges of the blade. Shiny, dark green patina with bright green incrustations and corroded zones. L. 19.5cm Weight 708g
See cat. 479. EIA, late.

483. PRB 1937.6-2.15. Collection J.F. Lucas of Bentley Ashbourne, Derbyshire. Purchased from Mrs. Ruth Faulkner, executor of J.F. Lucas. Said to have been found at Foxcote, England (see also cat. 91).
Winged axe, thick with elongated body and trapezoidal butt. Axes type 40.
Medium butt, wide oval wings, marked stop-ridge and shoulders, elongated blade with slightly rounded cutting edge. Irregular patina, dark green with green and white incrustations, corroded zones. Cutting edge damaged. L. 21.5cm Weight 813g
See cat. 479. EIA, late.

484. PRB 1866.6-27.103. Henry Christy Collection. Given by the Trustees under the will of Henry Christy. Perhaps bought from G. Eastwood. Winged axe, thick-sectioned, with elongated body and trapezoidal butt. Axes type 40.
Short butt, wide oval wings with hammered faces, marked stop-ridge and slightly marked shoulders, short blade with rounded cutting edge. Probably reworked. Smooth, yellowish patina with thick green incrustations. Bronze fragments adhering between wings. L. 19.5cm Weight 559g
See cat. 479. EIA, late.

Medium butt, wide oval wings, marked stop-ridge and shoulders, elongated blade with rounded cutting edge. Smooth light green patina. Butt and wings damaged. L. 18.7cm Weight 675g
See cat. 479. EIA, late. Bibliography: Walters 1899, no. 2933.

Medium butt, wide oval wings, marked stop-ridge and shoulders, elongated blade with rounded cutting edge. Incised lines along edges of both faces and sides of blade. Smooth dark green patina. Wings damaged. L. 18.5cm Weight 694g
See cat. 479. EIA, late. Bibliography: Walters 1899, no. 2935.

Winged axe with elongated body and protruding shoulders. Axes type 40.
Butt probably short and rounded, broken in antiquity, wide oval wings, marked stop-ridge and protruding shoulders, narrow blade with concave sides and curved cutting edge. Smooth and discontinuous dark green patina with light green, brown and whitish incrustations. L. 18.3cm Weight 704g
See PRB IX. 12, nos. 2146–2523, mainly from the hoards of San Francesco, Bologna, and Ardea (Rome); especially nos. 2146–2157, blade with slightly concave sides. EIA, late.

Winged axe, thick with elongated body and trapezoidal butt. Axes type 40.
Medium butt with central notch, wide oval wings, marked stop-ridge and shoulders, elongated blade with rounded cutting edge. Shiny brown patina with green areas, bronze visible. L. 17.3cm Weight 678g
See PRB IX. 12, nos. 2146–2523, mainly from the hoards of San Francesco, Bologna, Emilia Romagna, and Ardea (Rome), Lazio, especially no. 2528, type Ardea, var. A. EIA, late.

Straight butt, oval wings, marked stop-ridge, slightly marked shoulders, trapezoidal blade with slightly rounded cutting edge. Smooth dark green patina. L. 16.8cm Weight 609g
See PRB IX. 12, nos. 2540–2841, from Marsiliana d’Albegna (Grosseto), Tuscany, and the hoard of San Francesco, Bologna, Emilia Romagna. Type Marsiliana d’Albegna. EIA, late.

Straight butt, wide, oval wings, marked stop-ridge, slightly marked shoulders, rectangular blade with slightly rounded cutting edge. Dark glossy patina, with green and azure incrustations and surface corrosion. Part of wings missing. L. 18cm Weight 682g
See cat. 489. EIA, late.

Lake Trasimeno (Perugia), Umbria. Winged axe with butt wings and trapezoidal blade. Axes type 42.
Short butt with two small indentations, oval wings, marked stop-ridge and slightly marked shoulders, wide and short trapezoidal blade, probably reworked, with slightly rounded profile and cutting edge. Incised decoration on the blade: concentric circles, parallel lines and triangles. Smooth grey patina with dark green and turquoise incrustations. Small parts missing. L. 12.4cm Weight 234g
Analysis: Bronze. See D. Hook report. See PRB IX. 12, no. 3375, from Roselle (Grosseto), Tuscany. Type Roselle, similar shape and decoration. EIA, late to early Orientalizing.

Straight butt, widening beyond end of wings, very wide oval wings, marked stop-ridge and protruding shoulders, wide, thin trapezoidal blade with almost straight cutting edge. Covered with thick black and dark green incrustations. L. 14.8cm Weight 276g
See PRB IX. 12, nos. 3371–3376, from Roselle and Vetulonia (Grosseto), and Chiusi (Siena), both in Tuscany. Type Roselle. EIA, late to early Orientalizing. Bibliography: Walters 1899, no. 2928.

Elongated trapezoidal shape with continuous profile, asymmetrical angular butt, straight cutting edge. Surface, with the exception of the lower part of the blade, covered with decoration - a series of continuous incised zigzag lines on the haft-end, and concentric circles on the faces and sides of the haft and blade. Rough patina in various tones of olive green. L. 18.5cm Weight 940g
See PRB IX. 12, no. 4460, San Francesco hoard, Bologna, Emilia Romagna. Type Doss Trento. EIA, late.
Note: this piece could be a ceremonial axe made in bronze in the Orientalizing period and reminiscent of EIA types; see for a similar piece the group of ceremonial objects from Tarquinia, Bonghi Jovino and Chiaramonte Trere 1907, 172, pl.126.5. Bibliography: Walters 1899, no. 2944.

Socketed axe with continuous profile and oval socket. Axes type 55.
Small tool, socket with raised band at mouth, slightly marked upwards-pointing shoulders, short flaring blade with curved cutting edge. Black shiny patina with green areas. L. 8.6cm Weight 154g
No close parallels, but see PRB IX. 12, no. 4197, from Bologna, Emilia Romagna. Type San

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Francesco (without shoulders).  
EIA, late.

495.  
Socketed axe with continuous profile and oval socket. Axes type 56. 
Small tool with concave sides, oval socket with slightly thickened mouth edge, short blade with curved cutting edge. Spotted green patina with earth incrustations.  
L. 7.5cm Weight 115g  
See PRB IX, no. 4213, unprovenanced. Type Riparramone.  
EIA, late.

496.  
‘Fondi Lavoro’, probably Fondi (Latina), Lazio. 
Socketed axe with continuous profile, square socket and lateral lugs. Axes type 57. 
Mouth with raised collar, base of the socket visible at top of blade, sloping lugs, elongated trapezoidal blade with slightly rounded cutting edge. Smooth blackish patina. Surface covered with ancient striations, one lateral hole on socket (a casting defect).  
L. 14.5cm Weight 268g  
See PRB IX, no. 3947–3956, mainly from the hoards of Ardea (Rome), Lazio, and San Francesco, Bologna, Emilia Romagna; see especially no. 3949, unprovenanced. Type Cortona var. A.  
EIA, late.

497.  
PRB 1935.10-18.29. Transferred from GR. 
Socketed axe with continuous profile, square socket and lateral lugs. Axes type 57. 
Mouth with raised collar, base of the socket visible at top of blade, sloping lugs, elongated trapezoidal blade with slightly rounded cutting edge. Smooth patina in various tones of green.  
L. 14.4cm Weight 298g  
See PRB IX, no. 3947–3956, mainly from the hoards of Ardea (Rome) and San Francesco, Bologna, Emilia Romagna; see especially no. 3956, from Foiano della Chiana (Arezzo), Tuscany. Type Cortona var. A.  
EIA, late.  
Bibliography: Walters 1899, no. 2939.

498.  
PRB Morel 1293. Bought from Léon Morel, April–May 1901. 
Bari, Apulia. 
Socketed axe with continuous profile and squared socket. Axes type 58. 
Miniature axe. Mouth with raised collar with lateral loop, square in section, slightly widening towards the blade, slightly curved cutting edge. Lateral hole on the socket. Smooth dull green, brown and whitish patina.  
L. 4.3cm Weight 14g  
See PRB IX, no. 3912–3913, from Città della Pieve (Perugia), Umbria, and from the Marche. Type Città della Pieve.  
EIA, late.

499.  
PRB 1886.6-27.86. Henry Christy Collection. Given by the Trustees under the will of Henry Christy. 
Verona, Veneto. 
Socketed axe with continuous profile and squared socket. Axes type 58. 
Small axe. Mouth with raised double collar with lateral loop, square in section, elongated trapezoidal blade with almost straight cutting edge. Dull dark green patina with clay incrustations. Socket hole filled with light red clay. Casting residues on mouth and sides.  
L. 7.7cm Weight 84g  
See PRB IX, no. 3917, from the Marche (with single collar). Type Città della Pieve.  
EIA, late.

500.  
PRB 1883.8-2.7. Given by Sir A.W. Franks. 
Naples, Campania. 
Socketed axe with continuous profile and squared socket. Axes type 58. 
Small axe with sides slightly widening towards the blade. Mouth with raised collar, rectangular in section, very short blade, reworked, with upturned corners and rounded cutting edge. Smooth, discontinuous brown and dark green patina.  
L. 6.2cm Weight 80g  
See PRB IX, XII, nos. 3916 to 3927, hoard of Ardea (Rome), Lazio. Type Ardea var. A (with lateral loops).  
EIA, late.

501.  
Socketed axe with continuous profile and squared socket. Axes type 58. 
Mouth with raised collar, base of the socket visible at the top of the blade, semicircular lateral loops, elongated trapezoidal blade with slightly rounded cutting edge. Thick green patina with incrustations of iron, probably from contact with iron objects.  
L. 17.6cm Weight 786g  
See PRB IX, XII, no. 3926, hoard of San Francesco, Bologna, Emilia Romagna. Type Ardea, var. A.  
EIA, late.

502.  
PRB 1880.8-2.44. Given by Sir A.W. Franks. 
Groseto, Maremma di Toscana, Tuscany. 
Socketed axe with continuous profile and squared socket. Axes type 59. 
Half the length of the socket missing, perhaps due to an unsuccessful casting, socket rectangular in section, slightly marked sloping shoulders, narrow trapezoidal blade with almost straight cutting edge. Decorated with reticulated pattern on both faces of the socket, the vertical nervatures continuing on the blade. Discontinuous brown patina with earth incrustations.  
L. 12.4cm Weight 534g  
See PRB IX, XII, no. 4179, hoard of San Francesco, Bologna, Emilia Romagna (with wider blade). Type San Francesco.  
EIA, late.

503.  
PRB 1935.10-18.28. Transferred from GR. 
Socketed axe with separated blade and conical socket. Close to Axes type 60, but probably slightly later. 
Mouth with raised double collar and square inner section, rounded socket base visible on upper blade, thin, trapezoidal blade with irregular lateral protrusions and straight cutting edge. Smooth dark green patina with light zones.  
L. 8.4cm Weight 102g  
See PRB IX, XII, nos. 3973–3974, hoard of Ardea (Rome), Lazio, not identical. Type Ardea, var. B.  
EIA, late.  
Bibliography: Walters 1899, no. 2938.

504.  
PRB 1935.10-18.30. Transferred from GR. 
Socketed axe with separated blade and conical socket. Close to Axes type 60. 
Mouth with raised collar and square inner section, rounded socket base visible on upper blade, thin, slightly flaring blade with squared shoulders and slightly rounded cutting edge. Smooth almost black patina.  
L. 12.6cm Weight 251g  
See PRB IX, XII, no. 3985, hoard of San Francesco, Bologna. Type Ardea, var. (with angular shoulder). EIA, advanced? See also PRB IX, XII, nos. 3890–3901. Type Cuma, EIA, EIA.  
Bibliography: Walters 1899, no. 2940.

505.  
PRB 1883.8-2.8. Given by Sir A.W. Franks. 
Talamone (Groseto), Tuscany. 
Socketed axe with separated blade and socket square in section. Axes type 61. 
Mouth with raised double collar, rounded socket base just visible on upper blade, angular protruding and sloping shoulders, trapezoidal blade with slightly curved cutting edge. Decorated with reticulated nervatures on both faces of the socket. Rough green patina with brown areas.  
L. 15cm Weight 356g  
See PRB IX, XII, no. 4107–93, mainly from the hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var.E.  
EIA, late.

506.  
Orvieto, Umbria. 
Socketed axe with separated blade and socket square in section. Axes type 61. 
Mouth with raised double collar, lateral pinholes in socket, rounded socket base visible on upper blade, angular protruding and sloping shoulders, trapezoidal blade with slightly curved cutting edge. Decorated with incised concentric circles on the socket and the upper part of the blade. Smooth bright green patina with black and reddish incrustations, surface partly corroded.  
L. 15.2cm Weight 370g  
See PRB IX, XII, no. 4045, from Vetulonia (Groseto), Tuscany, not identical. Type San Francesco, var. E.  
EIA, late.
507. PRB 1964.12-1.398 (316). Sir Henry Wellcome Collection, no. 67750. Bought from G. Pini in November 1928. Given by the Wellcome Trustees. Socketed axe with separated blade and socket square in section. Axes type 61. Mouth with raised double collar, rounded socket base just visible on upper blade, angular protruding and sloping shoulders, trapezoidal blade with slightly curved cutting edge. Decorated with reticulated nervatures on both faces of the socket. Thick spotted patina with incrustations in various tones of green and black. L. 14.1cm Weight 325g. See PRB IX. 12, nos. 4057–93, mainly from the hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var. E. EIA, late.

508. PRB 1964.12-1.400 (319). Sir Henry Wellcome Collection, no. 95452. Bought in Rome from Antichità delle Belle Arti by Captain Saint in April 1931. Given by the Wellcome Trustees. Socketed axe with separated blade and socket square in section. Axes type 61. Mouth with raised double collar, rounded socket base visible on upper blade, sloping, protruding shoulders, trapezoidal blade with slightly curved cutting edge. Decorated with herringbone nervatures on both faces of the socket. Patina dull green with some corrosion; dark green incrustations. Small parts missing. L. 14.2cm Weight 310g. See PRB IX. 12, nos. 4061–4070, mainly from the hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var. E. EIA, late.

509. PRB 1964.12-1.402 (317). Sir Henry Wellcome Collection, no. 79451. Bought in Florence from A. Albizi by Captain Saint in April 1930. Given by the Wellcome Trustees. Socketed axe with separated blade and socket square in section. Axes type 62. Mouth with raised double collar and two lateral lugs, angular protruding shoulders, trapezoidal blade with slightly curved cutting edge. Decorated with indistinct herringbone nervatures on both faces of the socket and three small indentations on the upper part of the blade. Dull dark green patina with incrustations of earth. L. 13.7cm Weight 319g. See PRB IX. 12, no. 4013, hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var. C. EIA, late.

510. PRB 1964.12-1.403(318). Sir Henry Wellcome Collection, no. 67577. Bought from G. Pini in November 1928. Given by the Wellcome Trustees. Socketed axe with separated blade and socket square in section. Axes type 62. Mouth with raised double collar, protruding shoulders, trapezoidal blade, separated from the socket by a straight step, and with almost straight cutting edge. Dark green-black patina with brown and dark green incrustations and surface in part corroded. L. 14.1cm Weight 320g. See PRB IX. 12, nos. 4027–4040, mainly from the hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var. E; see especially no. 4031. EIA, late.

511. PRB Old Acquisition 135. Registered OA on 21 August 1946. Socketed axe with separated blade and socket square in section. Axes type 62. Mouth with raised double collar, sloping protruding shoulders, trapezoidal blade, separated from the socket by a straight step, and with almost straight cutting edge. Decorated on both faces of the socket with two circles below the collar and opposed triangular nervatures below. Irregular, blackish patina. Small part of the blade missing. L. 12.7cm Weight 267g. See PRB IX. 12, no. 4028, hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var. E. EIA, late.

512. PRB 1964.12-1.401(320). Sir Henry Wellcome Collection, no. 79452. Bought in Florence from A. Albizi by Captain Saint in April 1930. Given by the Wellcome Trustees. Socketed axe with separated blade and socket square in section. Axes type 62. Mouth with raised collar, protruding shoulders, trapezoidal blade, separated from the socket by a straight step, and with almost straight cutting edge; pin-hole on two sides of the socket and indistinct cast decoration on both faces of the socket. Dull green spotted patina with traces of iron. L. 13.2cm Weight 309g. See PRB IX. 12, nos. 4098–4100, hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var. F; see especially no. 4098. EIA, late.

513. PRB 1964.12-1.399(321). Sir Henry Wellcome Collection, no. 96451. Bought in Rome from Antichità delle Belle Arti by Captain Saint in April 1931. Given by the Wellcome Trustees. Socketed axe with separated blade and socket square in section. Axes type 62. Mouth with raised double collar, protruding shoulders, trapezoidal blade separated from the socket by a straight step, with almost straight cutting edge. Decorated with incised concentric circles on both faces of the socket and upper part of the blade and with circles and groups of parallel lines on both sides of the socket and blade. Light green patina with corrosion in parts. Parts of blade and socket missing. L. 15.5cm Weight 272g. Analysis: Bronze. See D. Hook report. See PRB IX. 12, nos. 4027–4040, mainly from the hoard of San Francesco, Bologna, Emilia Romagna. Type San Francesco, var. E. EIA, late.

514. PRB 1876.7.6-10.10. Given by Sir A. W. Franks. Socketed chisel. Chisels type 3. Conical socket with square internal section and two angular cords at mouth; blade with square section and slightly flaring cutting edge. Rough dull green patina with whitish incrustations. L. 13.3cm Weight 112g. Close to Pontecagnano 1992, 28, fig. H, type 51B; 109ff. Pontecagnano-S. Antonio, tomb 3284, 14, fig. 123.14, Phase III. See also 31–32, notes 38–40 for references. See also Albore Livadie 1985, 67 and pl. 12, no. 9.13, Cuma (Naples), Campania, sporadic; Montelius 1895–1910, pl. 68.8, hoard of San Francesco, Bologna, Emilia Romagna. EIA, late.

515. PRB 1883.4-25, 6. Given by Sir A. W. Franks. Near Naples, Campania. Socketed chisel. Chisels type 4. Conical socket with circular internal section and rounded cordon at mouth, thick blade with square section and slightly flaring cutting edge. Smooth dull green patina with rust, black and light green incrustations. L. 13.6cm Weight 93g. See Montelius 1895–1910, pl. 68.9, hoard of San Francesco, Bologna, Emilia Romagna. Socketed chisels are known from the FBA, for example in the hoard of Limone (Livorno, Tuscany), but with square section to socket; see Giardino 1995, 10 and fig. 3.10. EIA, late.

516. GR 1982.6-17.63. Received from PRB. Sir Henry Wellcome Collection, no. 67764. Bought in Florence from Guido Pini in November 1928. Given by the Wellcome Trustees. Knife with up-curving blade and flat tang. Knives type 7. Blade with concave, slightly thickened back. Narrow flat tang, partly missing, with low rectangular section and three holes for rivets. Cutting edge heavily damaged. Dark green patina with some corrosion. L. 21.8cm Weight 52g. Close to PRB VII. 2, no. 65 from Leprignano (Capena, Rome), Latium. Type Leprignano. EIA, late and Orientalizing.

518. GR 1975.5–18.8. Found unregistered. Knife with separately cast handle of rectangular form. **Knives type 9.**
Solid handle, made of a thick bar with rectangular section, ending with a short segment of bronze bar bent at right angles, with a tiny eyepet cast above the first angle. Curved blade, upper edge slightly thickened, with T-profile. The upper edge and the butt of the blade near the attachment to the handle are decorated with a plain zigzag line. Little patina. Cleaned in modern times. L. 43 cm. Weight 291 g.

Solid handle, made of a thick bar with rectangular section bent at right angles to form the upper end and the blade attachment. The upper end termination is a ring; a tiny eyepet is cast above the opposite angle. Curved blade, its upper edge slightly thickened, with T-profile. Cast above the opposite angle. Curved blade, its upper edge slightly thickened, with T-profile. Curved blade, upper end termination is a ring; a tiny eyelet is formed. A tiny eyelet is formed. Curved blade, upper end termination is a ring; a tiny eyelet is formed. Knife with separately cast handle of rectangular form. **Knives type 9.**
Solid handle, made of a thick bar with rectangular section bent at right angles to form the upper end and the blade attachment. The upper end termination is a ring; a tiny eyepet is cast above the opposite angle. Curved blade, its upper edge slightly thickened, with T-profile. Curved blade, upper edge slightly thickened, with T-profile. The upper edge and the butt of the blade near the attachment to the handle are decorated with a plain zigzag line. Little patina. Cleaned in modern times. L. 43 cm. Weight 291 g.

520. PRB 1880.8–2.28. Given by Sir A. W. Franks. Probably obtained from A. Castellani. Symmetrical razor. **Razors type 9.**
Cast ring handle, almost square blade with slightly rounded shoulders, straight upper edge. Dark green patina with whitish incrustations. Part of upper edge missing. L. 10.5 cm. Weight 279 g.

Cast ring handle with two birds’ heads at sides of ring, with long curved beaks and eyes marked by a small hole. Wide blade, slightly thickened towards the back; back with markedly concave profile, ending towards the handle in a truncated angle. Incised decoration, now scarcely visible: band of multiple zigzag lines and row of hatched triangles along the back of the blade. Heavily damaged, with parts missing. Green patina with much corrosion and incrustation. L. 12.3 cm. Weight 409 g.

Cast ring handle with two simplified birds’ heads indicated at sides of ring. Wide blade, almost circular and slightly thickened towards the back; back with markedly concave profile, ending towards the handle in a truncated angle. No decoration. Dull green patina. L. 9.8 cm. Weight 309 g.

Cast ring handle with two simplified birds’ heads at side of ring. Wide blade, flat in section; back with concave profile, once ending towards handle in a protruding angle, now broken. No decoration. Smooth green patina with some corrosion. L. 10.1 cm. Weight 329 g.

Cast ring handle with two birds’ heads at sides of ring. Wide blade, slightly thickened towards the back; back with concave profile, interrupted by a protruding knob and ending in a right angle towards the handle. Incised decoration: oblique parallel lines on the handle, band of hatched triangles and row of dots along the back of the blade, dotted circle at the handle end of the blade. Cutting edge slightly damaged. Green patina with smooth surface areas. L. 11.4 cm. Weight 269 g.

525. GR 1840.2–12.18. Bought at the Bishop of Lichfield’s Sale, Bishop S. Butler. Lunate razor. **Razors type 16.**
Cast ring handle with two simplified birds’ heads at sides of ring. Blade almost circular, slightly thickened towards the back; back forming a narrow U-shaped opening, ending near the handle with a truncated angle, surmounted by a small knob. Incised decoration on both faces: three lines parallel to the back of the blade. Cutting edge damaged. Dark green patina with some corrosion. L. 11.1 cm. Weight 409 g.

526. GR 1982.6–17.57. Transferred from PRB. Sir Henry Wellcome Collection, no. 1682/4. Given by the Wellcome Trustees. Lunate razor. **Razors type 16.**
Cast ring handle with two simplified birds’ heads at sides of ring. Blade almost circular, slightly thickened towards the back; back forming a narrow U-shaped opening, ending near the handle with a truncated angle surmounted by a small knob. Incised decoration on both faces: five lines and a hatched band parallel to the back of the blade. Cutting edge and back of blade damaged. No patina. Cleaned in modern times. L. 12 cm. Weight 232 g.

527. GR 1982.6–17.59. Transferred from PRB. Sir Henry Wellcome Collection, no. 301 (also marked R. 12917, 1936). Bought in Rome from Arte Antica e Moderna. Given by the Wellcome Trustees. Lunate razor with deeply curved back. **Razors type 16.**
Cast handle broken in antiquity. Blade almost circular, slightly thickened towards the back and with a T-profile; back forming a narrow U-shaped opening, ending near the handle with a truncated angle surmounted by a small knob. Two circular holes set high in the blade. Fine incised decoration on both faces: three lines enclosing a band of hatched triangles parallel to the back of the blade. Terminal of handle and parts of the blade missing. No patina. Cleaned in modern times. L. 7.2 cm. Weight 189 g.

See PRB VIII, 2, no. 852, from Vulci (Viterbo), Lazio, 866, from Bologna, Emilia Romagna, 868, from Tarquinia (Viterbo), Lazio. Type Benacci, var. A-B. EIA, late.

Cast handle missing. Blade much damaged but
thickened towards the back and with a T-profile; back with markedly concave profile, ending near the handle with a truncated angle surmounted by a small knob. No decoration. Dull green patina with much incrustation.

L. 8.7cm Weight 17g
See PBF VIII. 2, nos. 773, from Verucchio (Forlì), Emilia Romagna, 796, from Vetrella (Viterbo), Lazio, type Grotta Gramiccia var. B; no. 89, from Narno (Viterbo), Lazio, type Benacci; EIA, late.

Ornaments


Wheels with seven thick spokes separated by irregular holes, and conical socket. Small parts missing. Dull green patina.

Diam. 3.4cm Weight 21g
See PBF XII. 2, no. 2795 Vetulonia (Grosseto), Tuscany, 2724 (Orvieto), Umbria. Type Vetulonia.

EIA, late and Orientalizing.


Pendant in the form of a shaft-hole axe. Pendants type 2.

Cast replica of an axe with flat, trapezoidal blade and circular shaft-hole acting as suspension loop. Little patina.

L. 4.7cm Weight 18g
No precise parallels found. A number of pendants in the form of shaft-hole axes are known from Sicily. Some pieces are known from the hoard of Modica (Ragusa); Giardino 1995, 21, fig. 108.2, 3, FBA late; several others come from the cemetery of Cassibile (Syracuse); Turco 2000, 93, pl. 32, type 25A, FBA late—EIA early. See for references.

The circular shaft-hole of this pendant might indicate that it should be dated in late phase of the EIA; see for example the shaft-hole axes from the hoard of Areda (Rome), Inventaria Archaeologica 1967, nos. 189, 190, 193-196. Probably EIA, late.

531. GR 1824.4.99.20. Bequeathed by R. Payne Knight.

Solid pointed globe pendant. Pendants type 3. Cast solid with slight steps or narrows around neck, round in section, at top of globe and below suspension loop. Dark brown patina.

L. 3cm Weight 7g
This is a common type in central and southern Italy. See for example Cuma 1913, col. 22, pl. 21.2, Stevens Collection; Osteria dell’Oca 1992, 426, pl. 45, type 88b. Period III; Quattro Fontanili 1975, 95, fig. 19.16, tomb F 9.16 Phase IIb; Quattro Fontanili 1986, 96, fig. 24, type XX 3 (composite pendant including three smaller pendants of this type). Phases IIa-IC.

EIA, late.


Hollow tube with three solid biconical pendants, one missing. Pendants type 4.

Tube cast hollow with three loops, two now broken, at base; exterior decorated with seven pairs and one single encircling incised lines. Cast biconical pendants. Dull green patina.

L. 8cm Weight 22g
Similar pendants or ornaments, all with slight variations, are known from several IA Italian cemeteries. See Quattro Fontanili 1985, 56 and fig. 24, type XX 3. Phases II A-C. For example, Quattro Fontanili 1966, 129, fig. 55, Tomb HH11–25. Phase IIb; Ceretani-Sorbo 1972, 205–206, fig. 183.1, Tomb 443; Dohan 1942, 12, pl. 4-31, Narno (Viterbo), Lazio, tomb 18B. 31. EIA, late.


Globular pendant surmounted by two opposed heads of birds. Pendants type 5.

Cast solid with opposed heads of birds indicated, their necks turning at right angles and merging with a suspension hole at the center. Below a narrow waist and globe. One head slightly damaged. Smooth green to brown patina.

L. 6.5cm Weight 128g
Close to Colucci Pescatori 1971.I, 535, fig. 44.18, spurious from the cemetery of Cairano (Avellino), Campania. See for partly similar types PBF XII. 2, nos. 330 and 331, from Serbia; 336, from Phila, Thessaly.

Plain, hollow globular pendants, with or without holes in the globe, are rare in Italy and Greece.

EIA, late.


Torre Annunziata (Naples), Campania. Globular pendant surmounted by a traverse bar with angular extensions. Pendants type 5.

Cast solid with a broken suspension loop at the top and a small hole below loop; below a shaft and globe. Green patina with some corrosion.

L. 5.4cm Weight 81g
See cat. 533.

EIA, late or later.


Globular pendant surmounted by two opposed bird’s head. Pendants type 5, variant.

Cast solid with suspension loop and shaft below, from which branches on either side the necks and heads of schematic birds. Below a shaft and small globe. Dull green patina with some corrosion.

L. 5.6cm Weight 33g
No precise parallels found; see cat. 533 and 534 for broadly similar pieces (with parallels). EIA, later or later.


Globular pendant terminating in two aquatic birds. Pendants type 6.

Cast solid with schematic heads of two birds out-facing and with their bodies united above; a flattened globe above and a flange, flattened in section, pierced by a hole for suspension. Dark green patina.

L. 4cm Weight 10g
Similar pendants hang from an unpublished openwork pendant from Suessaal (Caserta), Campania (Naples Archaeological Museum). For the openwork pendant, see von Duhn 1887, 250, fig. 19.13 and those from cat. 817 and 818.

See also Suessaal (von Duhn 1887, 251, fig. 20.17) and Capua (Caserta), Campania, Tomb 502 (Johannowsky 1985, 157, and pl. XIX.3) for fibulae with similar pendants, though terminating in single, not two opposed, aquatic birds.

EIA, late.

537. GR 1975.10-5.18. Found unregistered.

Hollow globular pendant. Pendants type 7.

Globe cast hollow with a hole at centre of base; neck with cast narrows and ending in a suspension loop. Smooth green to brown patina with shiny areas.

L. 6.2cm Weight 48g
Close to Pithikoussai 1993, 726, pl. 250.12, spurious from the cemetery. See also Colucci Pescatori 1971.I, 535, fig. 44.18, spurious from the cemetery of Cairano (Avellino), Campania.

See for partly similar types PBF XII. 2, nos. 330 and 331, from Serbia; 336, from Phila, Thessaly.

Hollow, globular pendants, with or without holes in the globe, are rare in Italy and Greece.

EIA, late.

538. GR 1772.3-7.72. Bought from Sir William Hamilton.

Hollow globular pendant with ring for suspension. Pendants type 7.

Globe cast hollow with four opposed holes set at line of maximum diameter and with a suspension loop at the top, through which is threaded a hennepen ring with encircling incised striaions. Globe: smooth green patina. Ring: green patina with corrosion.

L. 6.5cm with ring. Weight 45g
See cat. 537.

EIA, late.

539. GR 1975.10-5.20. Found unregistered.

Hollow globular pendant. Pendants type 7.

Globe cast hollow; one side damaged and parts missing. Neck round in section and ending in a suspension loop. Patchy patina with dark green areas and some corrosion.

L. 5.4cm Weight 32g
See cat. 537.

EIA, advanced-late.


Pendant in the form of a horse. Pendants type 8.

Cast solid with four separated legs, one now broken, schematic head, tail curved downwards and suspension loop above centre of back. Decoration on both sides of incised lines indicating mane and at throat; series of punched dots surrounded by circles on body.

Shiny green patina.

L. 5.5cm Weight 29g
Analysis: Craddock 1986, 144.
Close to Quattro Fontanili 1965, 203, fig. 104. 100, tomb II 9-10. Phase IIB.
See Adam 1984, 137–138, no. 179 for comments on Italic pendants in the form of horses.
EIA, late or later.
Bibliography: Walters 1899, no. 412.

Cast solid in the form of a plump bird, head with eyes indicated by dots and surrounding circle, narrow somewhat up-turned tail and legs, which in silhouette are in a walking stance. Suspension loop set above middle of back; a decorative point with surrounding circle on either side of the back, just below the suspension loop. Little patina.
L. 4.75cm Weight 26g
Close to Cuma 1913, coll. 74, fig. 21, Stevens Collection.
A bird of approximately similar shape, although from a different type of pendant, also from Cuma (Naples), Campania: ibid, cols. 88 and 146, pl. 25-4.
See also Ptitekossoi1993, 387; pl. 126.4, bird pendant, general shape similar, but undecorated and with feet in standing stance, from tomb 329. LGII (early Orientalizing); PBF XI. 2, no. 789, bird pendant with feet in standing stance, from Perachora, Greece (possibly same date as the piece from Ischia).
EIA, late or a little later.
Bibliography: Walters 1899, no. 409.

Cast solid with raised head and narrow raised tail, decorated with transverse incisions, and legs which in silhouette are in a walking stance. Suspension loop set above middle of back; decorative incised lines over back in front and behind the suspension loop. Smooth green to brown patina.
L. 4.4cm Weight 25g
See cat. 541.
EIA, late or later.
Bibliography: Walters 1899, no. 408.

543. GR 1908.11-20.27. Transferred from Department of British and Medieval Antiquities.
The pendant consists of two symmetrical convex halves and a linking suspension loop all formed from one hammered sheet, shaped and folded to create a hollow bulla with flat borders, once joined by rivets. Eight small rivet holes in border of each side of bulla. Traces of iron rod for suspension in upper tube. Green to brown patina with spots of corrosion.
Height 7.5cm Diam. 7.2cm Weight 42g
Close to Dothan 1942, pl. 8, l. 11r: Narme (Viterbo), Lazio, Tomb 43.11. For a small example, without rivet holes in the border see Quattro Fontanili 1965, 203, fig. 104.nn, tomb II 9-10.nn. Phase IIB.
For a full discussion of bullae, see Warden 1983.
EIA, late or later.

Ruvo (Bari), Apulia.
Bivalve circular pendant (bulla) with upper transverse tube for suspension. Pendants type 11.
Both symmetrical faces of bivalve and upper, linking tube formed from one hammered sheet, shaped and folded to create a hollow bulla with flat borders, joined by four rivets with large, decorative heads on front only. Bronze wire threaded through upper tube and twisted to form decorative coils and loop for suspension. Dull green patina with much corrosion.
Height 10.4cm Diam. 7.2cm Weight 68g
See cat. 544.
EIA, late or later

546. GR 1882.3-2.63. Sir Henry Wellcome Collection, no. R 7086/1936. Given by the Wellcome Trustees.
Bivalve circular pendant (bulla) with upper transverse tube for suspension. Pendants type 11.
Both symmetrical faces of bivalve and upper, linking tube formed from one hammered sheet, shaped and folded to create a hollow bulla with flat borders, joined by four rivets with large, decorative heads on front only; double line of small punched dots encircle border on front face. Bronze wire threaded through upper tube and twisted to form decorative coils and loop for suspension; one end broken. Shiny surface overlaid by green to brown patina.
Height 11.3cm Diam. 5.5cm Weight 47g
See cat. 544.
EIA, late or later.

547. GR 1856.12-26.728. Bequeathed by Sir William Temple
Pendant in the form of a horse-bird with legs ending in suspension rings. Pendants type 12.
Up-turned muzzle or beak, high mane or crest above head and neck. Eyes indicated by knobs. Three loops above back; short tail. Encircling nervatures above both lower suspension rings. Dull green to brown patina.
L. 14.5cm Weight 230g
See cat. 547.
EIA, late or later.
Bibliography: Walters 1899, no. 360; PBF XVI. 1, 9, footnote 5 and fig. 1.1.

Pendant in the form of a horse-bird with legs ending in suspension rings.
Pendants type 12.
Up-turned muzzle or beak, high mane or crest above head and neck. Eyes indicated by knobs. Three loops above back; short tail. Encircling nervatures above both lower suspension rings. Dull green to brown patina.
L. 14.5cm Weight 230g
See cat. 547.
EIA, late or later.
Bibliography: Walters 1899, no. 360; PBF XVI. 1, 9, footnote 5 and fig. 1.1.

549. GR 1814.7-4.1589. Charles Townley Collection.
Bought from Peregrine Townley.
Annular circle with ends riveted together (element of belt clasp).
Belt clasp ring. Thick wire with circular section, ends flat and riveted together. Deeply incised decoration on the whole surface: parallel oblique lines to resemble twisted wire. Chain of three figure-of-eight loops of thin wire attached. Dull green patina with some corrosion and earth adhering.
Diam. 5cm Weight 22g
Close to Ostiera dell’Osa 1992, 418, pl. 44, type 86e. Periods III and IV;
Quattro Fontanili 1963, 183, fig. 68.f, tomb FF18-194.f, phase IA; 214, fig. 88.f, tomb JJ16-17.f, phase IB-IIIC.
EIA, late or later.

550. GR 1772.3-7-164. Bought from Sir William Hamilton.
Rod torque with coiled ends. Torques type 2.
Thick rod with circular section, flattened terminal coils, genuinely twisted. Light spiral grooves incised on the whole surface, except on the portions adjacent to the coils. Dull green patina.
Diam. 10cm max. Weight 56g
Close to Colucci Pescatori 1971.II, 258ff., fig. 43.8, Calitrì (Avelino), Campania, sporadic from the cemetery; Peroni 1987, 123f., fig. 102.2, Francavilla Marittima (Cosenza), Calabria tomb 60; Johannowsky 1983, 37ff., pl. XIV.9, tomb 502 of Capua (Caserta), Campania.
EIA, late.

Fibulae

Thickened arch/leech fibula with symmetrical catch-plate. Fibulae type 12b.
Low large catch-plate, partly missing, raised bosses on the back in central part, small
two-coiled spring. Incised decoration on whole surface of bow: groups of encircling parallel lines and chevrons at ends; three bands of parallel lines covered by oblique incised lines, separated by plain zones at centre. Small ring attached to pin. Covered with incrustations in various tones of green. L. 4.5 cm. Weight 19 g (with ring).

See in general cat. 298 for the decoration Quattro Fontanili 1986, 79, fig. 22, type I 11, phase IIA.

The oblique lines incised over the main decorative pattern are a relatively late feature in this type: see Pontecagnano 1988, 58, pl. 20, to8f., fig. N.H, type 32C8, period II.

EIA, late.

552. GR 1846.6-8.1. Given by the Marquis of Northampton.

Leech fibula with glass body and long catch-plate. Fibulae type 15.

The arch is formed of thin rectangular wire upon which is threaded a leech-shaped glass body, of black and opaque white-yellow trails, together forming a herringbone patternning. Two-coil spring; catch-plate missing. Dull green patina.

L. 12.3 cm. Weight 77 g.

See Verucchio 1994, 77, pl. 22.58, 59; 106, pl. 40.240, 241 and fig. 65.; 156, pl. 59.499; 159, pl. 60.533–534. Fondo Lippi, tombs 47, 13, 18 and 6.


Solid leech fibula with symmetrical catch-plate. Fibulae type 19.

Small catch-plate, raised bow, small three-coiled spring and straight pin. Deeply incised decoration on the whole surface of bow: encircling bands of chevrons separated by plain ones. Shiny patina medium green, discontinuous. Azure blue bead, probably originally on the pin.

L. 4.4 cm. Weight 21 g (with bead).

See PRB XIV, forthcoming, XIX. 3 (125), nos. 1638, from Campania; 1640, from eastern Sicily, Fibula a sanguisuga con staffa allargata simmetrica e decorazione a costolature e incisioni'. Also Franchini 23, hollow leech type, 8th century bc.

See for a similar decoration PRB XIV. 5, no. 725, hollow 'sanguisuga' fibula with elongated catch-plate (‘navicella profonda’) from Este (Padova), Veneto, 8th century bc.

EIA, late.

554. GR 1976.2-.5.4. Found unregistered.

Solid leech fibula with symmetrical catch-plate. Fibulae type 19.

Low and wide catch-plate, raised bow, small two-coiled spring and straight pin. Deeply incised decoration on the whole surface of bow: encircling bands of chevrons separated by plain ones. Smooth green to brown patina.

L. 7.5 cm. Weight 89 g.

Analysis: Bronze. See D. Hook report. See cat. 553.

The encircling decoration is an early feature for leech fibulae.

EIA, late.


Kosice, Slovakia.

Solid leech fibula with symmetrical catch-plate. Fibulae type 19.

Large catch-plate, partly missing, raised bow, small two-coiled spring and straight pin. Deeply incised decoration on the whole surface of bow: transverse bands of chevrons separated by plain ones, lower face undecorated. Smooth light green patina.

L. 4.3 cm. Weight 25 g.

See cat. 553.

EIA, late.


Orivento (Umbria).

Solid leech fibula with symmetrical catch-plate. Fibulae type 19.

Wide catch-plate, raised bow with longitudinal crest to lower side, small two-coiled spring and straight pin. Deeply incised decoration on upper side of bow: transverse bands of chevrons separated by plain ones. Pin broken. Dull dark green patina, with the colour of metal showing in some zones.

L. 7 cm. Weight 84 g.

See PRB XIV, forthcoming, XIX. 3 (125), no. 1638, from Giarratana (Ragusa), Sicily; 1643–44, from Aresmosola (Salerno), Campania, Fibula a sanguisuga con staffa allargata simmetrica e decorazione a costolature e incisioni'.

Quattro Fontanili 1986, 79, fig. 23, types I 16, I 17, phase IIA-IIIB.

EIA, late.

557. GR 1976.2-.8.1. Found unregistered.

Solid leech fibula with symmetrical catch-plate. Fibulae type 19.

Catch-plate partly missing, raised bow, small two-coiled spring; pin missing. Deeply incised decoration on upper side of bow: four wide transverse bands of fine parallel lines divided by groups of deeper oblique lines; longitudinal chevrons at spring end. Covered with heavy incrustations.

L. 5.8 cm. Weight 69 g.

See PRB XIV, forthcoming, XIX. 3 (125 var), no. 1646, from Suessula (Sessa Aurunca, Caserta, Campania), 'Fibule a sanguisuga con staffa allargata simmetrica e decorazione a costolature e incisioni'. Also Pontecagnano 1988, 58–59, pl. 20, type 32C8, period II; Quattro Fontanili 1986, 78, fig. 22, type I 10, phase IIA. Inventario Archeologico 1967, hoard of Ardea (Rome), Lazio, no. 283.

EIA, late.


Bought from Egger Collection. (See Egger sale catalogue, Sotheby's 25 June 1891, lot 122).

Steiermark, Austria.

Solid leech fibula with symmetrical catch-plate. Fibulae type 19.

Low and wide catch-plate, bow slightly raised and expanded, small two-coiled spring and straight pin. Deeply incised and punched decoration on upper side of bow: transverse plain bands, slightly lowered, alternate with three chevrons and with two wide bands with concentric circles framed by rows of punched dots. Smooth dark green patina with blackish incrustations.

L. 6.2 cm. Weight 50 g.

See Quattro Fontanili 1986, 79, fig. 25, type I 22, phase IIIB.

Osteria dell'Osa 1992, 364, pl. 36, type 38W, phase IIIB.

See for a similar decoration PRB XIV. 5, no. 725, hollow 'sanguisuga' fibula with elongated catch-plate (‘navicella profonda’) from Este (Padova), Veneto, 8th century bc.

EIA, late.


Solid leech fibula. Fibulae type 19.

Catch-plate, spring and pin missing, raised bow with low section and lateral expansions. Deeply incised decoration on upper side of bow: groups of parallel transverse grooves at ends, double zigzag lines and a concentric circle along each side, longitudinal band with transverse parallel lines and concentric circles at centre. Surface covered with dull green incrustations.

L. 6.7 cm. Weight 87 g.

General similarity: PRB XIV, forthcoming, XIX. 3 (125), no. 1638, from Giarratana (Ragusa), Sicily, 'Fibule a sanguisuga con staffa allargata simmetrica e decorazione a costolature e incisioni'. For similar decoration, see also PRB XIV, 5, no. 668, from Este (Padova), Veneto, tomb Franchini 23, hollow leech type, 8th century bc.

EIA, late.


Solid leech fibula. Fibulae type 20.

Catch-plate, spring and pin missing, slightly raised bow with low section. Deeply incised decoration on upper side of bow: transverse bands of hatched and plain triangles and meanders. Rough patina in various tones of green.

L. 5 cm. Weight 28 g.

See PRB XIV, 5, no. 657, provenance unknown.

EIA, late.

561. PRB 1919.12-.1.31. Given by Captain J. Ball.

Said to have been found at York, England.

Solid leech fibula. Fibulae type 20.

Catch-plate, spring and pin missing, slightly raised bow with low section. Deeply incised decoration on upper side of bow: transverse bands of hatched and plain triangles and meanders. Rough patina in various tones of green.

L. 5 cm. Weight 28 g.

See PRB XIV, 5, no. 657, provenance unknown.

EIA, late.

Catch-plate, spring and pin missing, thick lowered and expanded bow. Deeply incised decoration on upper side of bow: transverse parallel grooves on the whole upper surface. Dull dark green to black patina with bright green and white incrustations. L. 4cm Weight 27g

Close to *PBF* XIV, 5, no. 646 (provenance unknown). *EIA*, late.


Semin, Hungary.

Solid lowered leech fibula with symmetrical catch-plate. *Fibulae type 21.*

Low and wide catch-plate, partly missing, thick slightly expanded bow, small two-coiled spring and straight pin. Deeply incised decoration on bow: groups of transverse parallel lines separated by plain bands; lower side undecorated. Rough dark green patina with incrustations in azure (malachite) and various tones of green. L. 4.7cm Weight 40g


564. **GR 1878.10-19.159.** Given by General A.W.H. Meyrick.

Solid lowered and flattened arch fibula with symmetrical catch-plate. *Fibulae type 22.*

Bow stilted and lowered with sides slightly expanded. Two-coiled spring. Light green patina. L. 3cm Weight 8g

See *PBF* XIV, 5, no. 569, from Este (Padova, Veneto). *PBF* XIV, forthcoming, XIX. 1, (113a,b) ‘Fibula ad arco ribassato e schacciato’, nos. 1541 from Suesuola (Caserta), Campania, 1546 from Montecorvino Rovella (Salerno), Campania. *EIA*, late.


Hollow leech fibula with symmetrical catch-plate. *Fibulae type 23.*

Low large catch-plate, raised expanded bow, probably hollow with a clay filling, small two-coiled spring and straight pin. Deeply incised decoration on upper side of bow: transverse bands of chevrons separated by plain zones. Small parts missing. Dull patina in various tones of green, with the colour of metal showing in some areas. L. 8cm Weight 117g

See *PBF* XIV, forthcoming, XIX. 3 (126.2), no. 1650 (with wide catch-plate), from Suesuola (Caserta), Campania, ‘Grandi fibule a sanguisuga a staffa larga e simmetrica’. *PBF* XIV, 5, ‘Fibula a sanguisuga a staffa corta’, no. 660, provenance unknown. *EIA*, late. *Quattro Fontanili* 1986, 79, fig. 25, type I 19, phase II B.

*EIA*, late.


Hollow leech fibula with symmetrical catch-plate. *Fibulae type 23.*

Wide catch-plate, probably restored in antiquity by attaching it to a small cleft in the end of the bow, thick raised and expanded bow with clay core and a hole at centre of lower side, small three-coiled spring, straight pin. Deeply incised decoration on upper side of bow: transverse bands of parallel lines, chevrons and concentric circles, separated by plain bands. Shiny dark green patina with blackish incrustations. Thin ring with diamond section suspended from the pin. L. 9cm Weight 176g

See for the general type *PBF* XIV, 5, nos. 655-667, ‘Fibule a sanguisuga a staffa corta’, 8th century and later. *Quattro Fontanili* 1986, 79, fig. 25, type I 122, phase II B (very similar in shape and decoration); 80, fig. 29, type I 128, phase II B-III C; 80, fig. 31, type I 33, phase III C.

*PBF* XIV, forthcoming, XIX. 3, (126.1), nos. 1647, 1648, from Suesuola (Caserta), Campania, ‘Grandi fibule a sanguisuga cava con breve staffa simmetrica’. *EIA*, late.

567. **GR 1902.11-18.3.** Given by the Committee of the Guildhall Museum.


Hollow leech fibula with symmetrical catch-plate. *Fibulae type 23.*

Low and wide catch-plate, partly missing, thick raised bow with clay core and two holes on upper side. Small spring, probably two-coiled, pin missing. Deeply incised decoration on upper side of bow: transverse chevron bands alternating with two rows of impressed concentric circles. Smooth light green patina, with the colour of the metal showing on most of the surface. L. 8.8cm Weight 159g

See cat. 566. *EIA*, late.

568. **GR 1916.6-1.8.** Given by Lord Aubrey.

Perugia, Umbria.

Hollow leech fibula probably with symmetrical catch-plate. *Fibulae type 23.*

Catch-plate missing, thick raised bow with clay core and a hole at centre of lower side, small, probably three-coiled spring, and pin missing. Deeply incised decoration on upper side of bow: alternate transverse bands of reticulate pattern, chevrons, opposed hatched triangles, concentric circles. Dull green patina.

L. 8cm Weight 200g

For general parallels see cat. 566. Also *PBF* XIV, 5, no. 666, from Este (Padova), Veneto, period II B. Probably a north Italian type. *EIA*, late.

569. **GR 1976.2-6.1.** Found unregistered.

Hollow leech fibula. *Fibulae type 23.*

Catch-plate missing; an ancient restoration of this part is probably indicated by a small cleft in the end of the bow. Thick raised bow with slight protrusion on the lower side, large spring, probably three-coiled, separated from the bow by a step and also restored in antiquity; pin missing. Deeply incised encircling decoration on the whole surface of bow: alternate bands of chevrons and hatched triangles. Smooth dark green patina.

L. 9cm Weight 218g

See cat. 566. *EIA*, late.


570. **GR 1901.12-18.21.** Given by Mrs C. Marchionne and Dr E.H. Walker. From the collection of H. Dewey.

Hollow leech fibula with elongated catch-plate. *Fibulae type 23.*

Small catch-plate, partly missing, thick raised bow, probably with clay filling, small two-coiled spring and straight pin. Deeply incised decoration on upper side of bow: transverse bands of hatched and plain triangles and meanders. Small parts missing. Dull brown patina on the upper face of the bow, thick green incrustations on lower face. L. 5cm Weight 74g

See for general parallels 566. Also *PBF* XIV, 5, no. 656, from Santa Cristina (Bergamo), Lombardy. *EIA*, late. Probably a north Italian type. *EIA*, late.

571. **GR 1916.6-1.7.** Given by Lord Aubrey.

Hollow leech fibula with symmetrical catch-plate. *Fibulae type 24.*

Catch-plate partly missing, raised bow with hole on upper side for inserting a clay filling. Spring and pin missing. Deeply incised decoration on upper side of bow: groups of parallel transverse lines at ends; hatched triangles and herringbone pattern on central zone. A small longitudinal cleft at the attachment of the spring and pin indicates that these had been broken and restored in antiquity. Smooth green patina.

L. 5.4cm Weight 50g

See cat. 566. *EIA*, late.

572. **GR 1909.6-22.1.** Bought from A. Decaristo.

Hollow leech fibula with lateral expansions and elongated catch-plate. *Fibulae type 24.*

Catch-plate partly missing, raised bow with slight lateral expansions, small three-coiled spring and straight pin. Small protrusion, probably connected with casting, at centre of inner side of bow. Deeply incised decoration on bow: a group of transverse parallel lines at each side; longitudinal bands with parallel lines, concentric circles and chevrons on upper side; concentric circles and parallel lines forming a rectangle in central zone. Small parts missing.

Shiny green patina with brown areas. L. 8cm Weight 40g

See *PBF* XIV, forthcoming, XXI.2 (139), no.
1928, from Suessula (Caserta), Campania, 'Grandi fibule a sanguisuga cava con staffa allungata'.

_PBF XIV, 5, 'Fibule a navicella', nos. 722, 723, from Este (Padova, Veneto), EIA, late._

**573.**
GR 1876.9-2.1. Given by Sir A. W. Franks. Hollow leech fibula with elongated catch-plate. **Fibulae type 24.** Catch-plate broken, raised and expanded bow with wide opening in lower side, spring and pin missing. The centre of the upper side of the bow has a large hole, mended in antiquity with a small plate attached from the inner side with three rivets. Incised decoration on bow: transverse bands of parallel lines at each end; longitudinal bands with parallel lines and multiple zigzag lines on each side, wide band with transverse and longitudinal chevrons and longitudinal parallel lines in central zone. Dark green patina with thick incrustations. L. 13.8cm Weight 300g See cat. 572. _PBF XIV, forthcoming, XXI. 2 (139), no. 1930, from Oliveto Citra (Salerno), Campania, tomb 2._ EIA, late. Bibliography: Walters 1899, no. 1958.

**574.** PRB 1911.4-1.1. Given by Alfred Jones of Bath. 'Box', Wiltshire, England. Boat fibula with elongated catch-plate. **Fibulae type 25.** Wide catch-plate, wide raised and expanded bow, with large irregular opening on lower side, small spring, mostly missing, pin missing. Deeply incised decoration on bow: a group of transverse parallel lines at each end, longitudinal bands of opposed oblique lines and concentric circles on each side of central zone, wide central band divided into longitudinal and transverse bands of oblique lines, concentric circles and chevrons. Smooth dark brown-green patina with light green incrustation on one side. L. 9.5cm Weight 67g See _PBF XIV, 5, no. 799, from an unknown provenance._ EIA, late and Orientalizing. Bibliography: Walters 1899, no. 1963.

**575.** GR 1814.7-4.800. Charles Townley Collection. Bought from Peregrine Townley. Boat fibula. **Fibulae type 25.** Catch-plate missing, wide raised and expanded bow, with large irregular opening on lower side. Deeply incised decoration on bow: a group of transverse parallel grooves and a band of concentric circles at each end, longitudinal bands with reticulate pattern and concentric circles on each side of central zone, wide central band divided into longitudinal and transverse bands of reticulate and parallel lines and concentric circles. Smooth dark green patina. L. 7.5cm Weight 53g See _PBF XIV, forthcoming, XXVII.1 (200a) A, no. 3832, provenance unknown (quite similar, with small lateral protrusions), 'Grandi fibule a navicella scanalata, con staffa lunga'. Possibly a south Italian piece. EIA, late and Orientalizing. Bibliography: Walters 1899, no. 1964.

**576.** GR 1814.7-4.797. Charles Townley Collection. Bought from Peregrine Townley. Boat fibula. **Fibulae type 25.** Catch-plate missing, wide raised and expanded bow, with large irregular opening on lower side. Deeply incised decoration on bow: a group of transverse parallel lines at each end, longitudinal bands of opposed oblique lines and concentric circles on each side of central zone, wide central band divided into longitudinal and transverse bands of oblique lines, concentric circles and chevrons. Smooth dark brown-green patina with light green incrustation on one side. L. 9.5cm Weight 67g See _PBF XIV, 5, no. 799, from an unknown provenance._ EIA, late and Orientalizing. Bibliography: Walters 1899, no. 1963.

**577.** GR 1814.7-4.800. Charles Townley Collection. Bought from Peregrine Townley. Boat fibula. **Fibulae type 25.** Catch-plate, spring and pin missing, raised and slightly expanded bow, with large irregular opening on lower side. Deeply incised decoration on bow: a group of transverse parallel grooves and a band of concentric circles on each side of central zone, wide central band divided into longitudinal and transverse bands of reticulate and parallel lines and concentric circles. Smooth dark green patina. L. 7.5cm Weight 53g See _PBF XIV, forthcoming, XXVII.1 (200a) A, no. 3832, provenance unknown (quite similar, with small lateral protrusions), 'Grandi fibule a navicella scanalata, con staffa lunga'. Probably a south Italian piece. EIA, late and Orientalizing. Bibliography: Walters 1899, no. 1964.

**578.** PRB 1916.10-14.1. Given by Charles Hercules Read. Found near ‘Taunton’, Somerset, England. Boat fibula with long catch-plate. **Fibulae type 25.** Narrow catch-plate with pointed end, wide raised and expanded bow, with large irregular opening on lower side, small three-coiled spring, pin missing. Deeply incised decoration on bow: a group of transverse parallel lines at each end, opposed oblique hatched bands, a band of oblique lines and a row of concentric circles on each side of central zone; wide central band divided into zones of parallel oblique and straight lines and chevrons; a large square at centre of bow is decorated with multiple square lines crossed by two diagonal lines. Smooth patina dark green and blackish.

Part of bow missing, and end of catch-plate deformed. L. 15.5cm Weight 82g See _PBF XIV, 5, nos. 720, 722, both from Este (Padova), Veneto; for the decoration see also no. 719._ EIA, late and Orientalizing. Bibliography: Hull and Hawkes 1987, 22–24, no. 7261, pl. 8.

**579.** GR 1920.11-18.2. Given by the Committee of the Guildhall Museum. Hollow leech fibula with elongated catch-plate. **Fibulae type 25.** Catch-plate almost entirely missing, raised and slightly expanded bow with wide opening on lower side. No spring coils, pin end flattened and attached to bow with a rivet (probably restored in antiquity); the rest of the pin has a circular section. Deeply incised decoration on bow: transverse parallel grooves at each side, a few longitudinal and transverse lines visible in central zone. Small parts missing. Smooth dark green patina. The fibula is heavily worn from use. L. 8cm Weight 39g See cat. 577. Probably a south Italian piece. EIA, late and Orientalizing.

**580.** PRB 1944.7-2.5. Henry Christy Collection. Given by the Trustees under the will of Henry Christy. Bought by them from T. A. Glenn. May have been excavated in Dorset, England, by Captain Sabine. Boat fibula with long catch-plate. **Fibulae type 25.** Catch-plate missing, raised bow with lateral knobs and wide irregular opening on lower side, small three-coiled spring with rectangular section, and straight pin. Deeply incised decoration on bow: transverse parallel grooves at sides, longitudinal parallel grooves on sides of central zone; traces of incised decoration on central longitudinal and transverse bands. Small parts missing. Covered with incrustations in various tones of green. L. 9.2cm Weight 38g See cat. 577. See _PBF XIV, forthcoming, XXVII.1 (200a) A, no. 3832 from Marsicovuono (Potenza), Basilicata (quite similar, with small lateral protrusions). Possibly a south Italian type. EIA, late and Orientalizing. Bibliography: Hull and Hawkes 1987, 26, no. 7287, pl. 7. See no. 7260 for comment on the provenance of this fibula.

**581.** GR 1824.4-34.37. Bequeathed by R. Payne Knight. Boat fibula with marked lateral protrusions and long catch-plate. **Fibulae type 26.** Narrow catch-plate with rounded tip, raised bow with angular expansions and wide opening on lower side, small two-coiled spring, straight pin. Small hole at centre of upper side of bow. Incised decoration: longitudinal parallel lines covering the whole bow surface. Green to brown patina. L. 11.3cm Weight 53g Close to _PBF XIV, 5, 'Fibule a navicella a losanga tii Este', nos. 1086–1089_ (from Este, Chiavari,
Castelletto Ticino and unknown locality), EIA, late-Orientalizing.

See also PBF XIV, forthcoming, XXVII. 1 (200a), no. 3833, from Fratte (Salerno), Campania, ‘Grandi fibula a navicella scanalata con staffa lunga’.

EIA, late and Orientalizing.

Fibulae type 27.

Large catch-plate, raised bow, slightly asymmetrical, with flat lower side, clay core and central hole on upper side; two-coiled spring and straight pin. Deeply incised decoration on upper side of bow: transverse parallel lines and two bands of single chevrons at each end, longitudinal bands of chevrons alternate with plain bands in central zone. Small parts missing. Dull green patina with some corrosion.

L. 9.8cm Weight 107g
See cat. 583 and 584.

Osteria dell’Osa 1992, 364, pl. 36, types 38w, 38x, period III. PBF XIV. 5, no. 674 (provenance unknown), ‘Fibule a sanguisuga con decorazione a zig-zag tipo Ares’ (almost identical).

EIA, late.


586.


Solid leech fibula with side expansions and long catch-plate. Fibulae type 28.

Tip of catch-plate missing, slightly raised bow with low section, large two-coiled spring and straight pin. Deeply incised decoration: zigzag line along front side of catch-plate; transverse parallel lines at ends of bow; longitudinal bands of multiple zigzag lines in central zone. Smooth green patina, with the color of metal showing at centre of bow.

L. 9cm Weight 50g
See in general PBF XIV, forthcoming, XXIII. 2 (158), nos. 2266, 2287, from Suessula (Caserta), Campania, ‘Fibule a sanguisuga con zona centrale decorata da fasci di tratti obliqui’. Pontecagnano 1988, 62, pl. 20 and fig. N.74, type 32F2, period II.

Osteria dell’Osa 1992, 365, pl. 37, type 38aa, period III.

EIA, late.


587.


Solid leech fibula with side expansions and elongated catch-plate. Fibulae type 28.

Catch-plate and pin partly missing, raised bow with low section and longitudinal crest to lower face, large two-coiled spring and straight pin. Traces of incised decoration on upper side of bow: transverse bands of chevrons separated by groups of parallel lines at ends; longitudinal chevrons in central zone. Dull green patina.

L. 3cm Weight 13g
See in general cat. 586.

Fibulae of similar type with gold wire wound around the bow and pressed into the incised lines and around the spring coils.

L. 3,5cm Weight 13g
See PBF XIV, forthcoming, XXIII. 1 (156b), no. 2254 from Capua (Caserta), Campania (general similarity).

EIA, late.

Bibliography: Marshall 1911, 131, no. 1379, pl. 19.

591.

PRB 2000-1-17. Given by Charles Hercules Read.

Solid leech fibula, probably with slightly elongated catch-plate.

Fibulae type 28, variant.

Catch-plate and pin missing, narrow raised bow, two-coiled spring. Deeply incised decoration: large transverse chevrons covering the whole upper side of the bow; a thin gold wire is wound around the bow and pressed into the incised lines and around the spring coils.

EIA, late.

Bibliography: Marshall 1911, 133, pl. 19.
592. GR 1824.4-34.21. Bequeathed by R. Payne Knight.
Solid lozenge fibula with elongated catch-plate. **Fibulae type 29.**
Large catch-plate, raised asymmetrical bow with low section and longitudinal crest to lower side, two-coiled spring, straight pin. Incised decoration on upper side of bow: transverse and longitudinal bands of parallel lines. Small parts missing. Smooth green patina. L. 5 cm Weight 13g
See for close parallels PBF XIV, forthcoming, XXII. 2 (165), nos. 2377, from Susa (Caserta), Campania, ‘Fibule a sanguisuga con zona centrale decorata da fasci di linee incise’. Pontecagnano 1988, 62, pl. 20, type 32F2, period II.
*Osteria dell’Ou* 1992, 365, pl. 37, types 38aa, phase III; 38aa var 1, period IV.
Johannowsky 1983, 116f., pl. XX.8, tomb 213; 133ff., pl. XXII. 30, 37, tomb 363, Capua period II.
EIA, late and Orientalizing.
EIA, late and Orientalizing.

Solid lozenge fibula with long catch-plate. **Fibulae type 29.**
Catch-plate and pin broken, raised asymmetrical bow with low section and longitudinal crest to lower side, two-coiled spring, straight pin. Incised decoration on upper side of bow: transverse and longitudinal bands of parallel lines. Small parts missing. Smooth green patina. L. 5.5 cm Weight 28g
See cat. 592.
EIA, late and Orientalizing.

Solid lozenge fibula with long catch-plate. **Fibulae type 29.**
Catch-plate partly missing, low asymmetrical bow with slight longitudinal crest to lower side, two-coiled spring, pin missing. Deeply incised decoration on upper side of bow: transverse and longitudinal bands of parallel lines and chevrons. Rough dark green patina. L. 4.5 cm Weight 36g
Close to PBF XIV, forthcoming, XXII. 2 (165), no. 2448, Capua (Caserta), Campania, tomb 165 (Johannowsky 1983, 133ff., pl. XXII.31, 36, tomb 363, period II).
EIA, late and Orientalizing.

595. GR 1824.4-34.38. Bequeathed by R. Payne Knight.
Solid lozenge fibula with long catch-plate. **Fibulae type 29.**
Large catch-plate, partly missing, low asymmetrical bow with longitudinal crest to lower side, one-coiled spring restored in antiquity and attached to the bow with a rivet, pin missing. Deeply incised decoration on upper side of bow: transverse bands of parallel lines and concentric circles. Shiny green patina. L. 6.3 cm Weight 21g
See cat. 592.
EIA, late and Orientalizing.

596. GR 1920.11-18.17. Given by the Committee of the Guildhall Museum.
Solid lozenge fibula with long catch-plate. **Fibulae type 29.**
Narrow catch-plate with rounded end, low bow with wide angular expansions at sides. Two-coiled spring, pin largely missing. Smooth green patina. L. 6.5 cm Weight 11g
See cat. 592.
EIA, late and Orientalizing.

597. GR 1867.3-8.161. Blacas Collection. **Fibulae type 29.**
Cath-plate and pin partly missing, raised bow with angular expansions at sides. Smooth green patina. L. 2.6 cm Weight 8g
See cat. 592.
EIA, late and Orientalizing.

598. GR 1876.3-8.2. Found unregistered. Solid leech fibula with three birds’ heads on bow. **Fibulae type 30a.**
Catch-plate partly missing, narrow slightly raised bow with three birds’ heads cast in a longitudinal row at centre of upper side, spring and pin missing. Incised decoration on upper side of bow: groups of oblique parallel lines. Two birds’ heads missing. dull brown patina. L. 4.2 cm Weight 20g
EIA, late.

599. GR 1772.3-9.3. Bought from Sir William Hamilton. 
Solid lozenge fibula with three birds’ heads on bow and elongated catch-plate. **Fibulae type 30b.**
Low catch-plate partly missing, expanded bow with longitudinal crest to lower side, three birds’ heads cast in a longitudinal row at centre of upper side, two-coiled spring; catch-plate and pin partly missing. Incised decoration on upper side of bow: groups of transverse, oblique and longitudinal parallel lines. Light green patina. L. 4.5 cm Weight 33g
See cat. 599.
EIA, late and Orientalizing.

Solid lozenge fibula with three birds’ heads on bow and elongated catch-plate. **Fibulae type 30b.**
Low catch-plate partly missing, expanded bow with longitudinal crest to lower side, three birds’ heads cast in a longitudinal row at centre of upper side, two-coiled spring; catch-plate and pin partly missing. Incised decoration on upper side of bow: groups of transverse, oblique and longitudinal parallel lines. Light green patina. L. 5 cm Weight 28g
See cat. 599.
EIA, late and Orientalizing.

Solid lozenge fibula with three birds’ heads on bow and elongated catch-plate. **Fibulae type 30b.**
Catch-plate partly missing; expanded bow with longitudinal crest to lower side, three birds’ heads cast in a longitudinal row at the centre of the upper side. Two-coiled spring, pin missing. Green patina with some corrosion. L. 4.1 cm Weight 26g
See cat. 599.
EIA, late and Orientalizing.

Solid lozenge fibula with three birds’ heads on bow and elongated catch-plate. **Fibulae type 30b.**
Catch-plate partly missing; expanded bow with longitudinal crest to lower side, three birds’ heads cast in a longitudinal row at the centre of the upper side. Two-coiled spring, pin missing. Green patina with some corrosion. L. 4.1 cm Weight 26g
See cat. 599.
EIA, late and Orientalizing.

Götz, Küstenland, Austria (now Gorizia, Friuli-Venezia Giulia). Foliate arch fibula with solid terminal disc. **Fibulae type 34.**
Large solid semicircular disc attached to the lower coil of the catch-plate with two rivets, possibly an ancient restoration; wide oval foliate bow, forming a slight curve, narrow
three-coiled spring and curved pin with foliate arch bow. Incised decoration: two bands of plain and multiple zigzag lines alternate with plain zones along edge of disc and bow; row of hatched triangles with band of parallel lines at base, and two multiple squares with lines crossing at right angles on disc; two opposed rows of hatched triangles at centre of bow. Bow slightly distorted and small parts missing. Smooth dark green patina.

L. 24.2cm Weight 135g

Close parallel for both shape and decoration: Montelius 1895–1910, col. 634, pl. 130.10, large spordasic fibula (33cm long), one of a pair from a tomb found at Basciano (Teramo), Abruzzo. See Müller-Karpe 1939, pls. 44C.4, 45D.5, Terni (Umbria), cemetery of the Acciaieria, foliate fibulae with solid disc from tombs 9 and 75, phase II.

Piconi 1999, 193–4, nos. 66, from Lama dei Peligini (Chieti), Abruzzo; 68, sporadic from Loreto Aprutino (Pescara), Abruzzo: large foliate fibulae with solid disc, period Piceno II. The fibula was probably an import from the central Adriatic area of Italy. EIA, late.

604. GR 1920.11-18.18. Given by the Committee of the Guildhall Museum. Serpentine fibula with lateral knobs and lozenges, and long catch-plate. Fibulae type 50. Catch-plate partly missing, thin bow square in section, with lozenge expansions and central elbow marked by lateral knobs with flat ends; small one-coiled spring and curved pin, partly missing, with upper part wound with thin bronze wire. Dull dark green patina with incrustations.

L. 6.8cm Weight 9g

See Osteria dell’Osa 1992, 378, pl. 39, types 42i-j, phase IIIA. Quattro Fontanili 1986, 82, fig. 29, type III 16, phase IIIB-C. EIA, late.

605. GR 1872.6-4.912. Bought from Alessandro Castellani. Serpentine fibula with transverse knobs, double spring and upper pin and long catch-plate. Fibulae type 51a. Catch-plate missing, both portions of bow curved, small spring coils and markedly curved pin. Bow, knobs, coils and upper pin covered and bound with thin silver wire. Small parts missing. Light green patina with incrustations.

L. 6.5cm Weight 19g

See PBF XIV, forthcoming, XLV 2 (381a), no. 6825 from tomb 539 of Capua (Caserta), Campania, ‘Fibula a drago con una coppia di bastoncelli con dischetti alternati a cuscinetti romboidali, e parte posteriore bifida e fermapietra’. Poncecatanego 1988, 61, pl. 20 and fig. N. 63, type 32E3b3a, period II. Osteria dell’Osa 1992, 378, pl. 39, types 42i-j, phases IIIA-B. EIA, late and later.

607. GR 1856.12-26.1038. Bequeathed by Sir William Temple. Serpentine fibula with knobs and lozenges on bow and double upper pin. Fibulae type 51b. Long catch-plate partly missing; saw-tooth edge on upper side near junction with bow and pierced by a large hole, probably for ancient mending. Bow with two lozenge expansions and central elbow marked by lateral knobs with flattened ends. Opposed double spring, each spring with one coil, pin missing. Smooth green patina.

L. 6.3cm Weight 6g

See cat. 606. EIA, late and later.

608. GR 1976.3-1.5. Found unregistered. Serpentine fibula with knobs and lozenges on bow and double upper pin. Fibulae type 51b. Long catch-plate bent and partly missing, saw-tooth edge on upper side near junction with bow. Bow with two ridged lozenge expansions and central elbow marked by lateral knobs with flattened ends. Opposed double spring, each spring with one coil, pin missing. Smooth green patina.

L. 7.5cm Weight 8g

See cat. 606. EIA, late and later.

609. GR 1824.4-34.42. Bequeathed by R. Payne Knight. Spectacle fibula with backing-plate. Fibulae type 53a. Coils and figure-of-eight of wire with circular section and rather uneven thickness. Flat, circular discs, decorated with punched dots at the rim, at centre of discs; discs pierced by rivers, which attach the backing-plate. Backing-plate of violin-bow shape with narrow back, rectangular in section, one-coil spring, round in section, and small catch-plate. Dull green patina.

L. 11.8cm Weight 94g

See PBF XIV, forthcoming, LIV. 1 (434), no. 7674, from Lavello (Potenza), Basilicata, ‘Fibula a ochiali con raccordo a 8, con sostegno a fascetta, con molla’.


610. GR 1814.7-4.252. Charles Townley Collection. Bought from Peregrine Townley. Spectacle fibula with backing-plate. Fibulae type 53b. Coils of wire with circular section and decreasing in thickness from edge to centre; figure-of-eight rectangular in section. Hemispherical caps at centre of both coils, pierced by rivets, which also attach the backing-plate. Backing-plate of violin-bow shape, no spring and pin and catch-plate missing. Dark green patina.

L. 8.6cm Weight 37g

See PBF XIV, forthcoming, LIV. 1 (435), no. 7682 ‘Valle dell’Ofanto’ (from inner Campania to the Apulian coast), ‘Fibula a ochiali con raccordo a 8, con sostegno a fascetta, senza molla’.


611. GR 1772.3-9.37. Bought from Sir William Hamilton. Spectacle fibula with backing-plate. Fibulae type 53b. Coils of wire with circular section and decreasing in thickness from edge to centre; figure-of-eight rectangular in section. Hemispherical caps at centre of both coils pierced by iron rivets, which also attach the backing-plate. Backing-plate of violin-bow shape, the back slightly widening at centre, no spring, pin of circular section partly missing and small catch-plate. Smooth light green patina with some corrosion.

L. 9.2cm Weight 54g

See cat. 610. EIA, late.

Bibliography: Walters 1899, no. 1937.

612. GR 1872.6-4.1089. Bought from Alessandro Castellani. Spectacle fibula with backing-plate. Fibulae type 54. Coils of wire with circular section and even thickness; no central figure-of-eight. Bands once encircled both spirals, one now missing half its length; bands attached by rivets, which pass through centre of both coils and also attach the backing-plate, which is set at right angles to the bands. Backing-plate of violin-bow shape with no spring, pin circular in section and slightly widened catch-plate. Green patina with some corrosion.

L. 8.4cm Weight 43g

See PBF XIV, forthcoming, LIV. 2 (439, 440), nos. 7729 from tomb 2, cemetery of Castiglione di Paludi (Cosenza), Calabria; 7731 from tomb 231, cemetery of Salapia (Foggia), Apulia, ‘Fibula a ochiali con raccordo obliquo e sostegno a fascetta, senza molla’.

EIA, late. Bibliography: Walters 1899, no. 1935, fig. 29. BM Guide 1920, 733, fig. 151.
613. GR 1856.12-26.718 and 719. Bequeathed by Sir William Temple. Ruvo (Bari), Apulia. Two spirlars from a large spectacle fibula with backing-plate missing. *Fibulae type 55*. Broken near figure-of-eight. Coils of wire with circular section, decreasing in thickness from edge to centre; figure-of-eight with rectangular section. High conical cap, pierced by a rivet, at centre of one coil. Green patina with corrosion and heavy incrustations. L. 11.8 and 12cm Weight together: 474g See *PRB* XIV, forthcoming, I.V. 1 (435a), nos. 7678, from the Ofanto valley (Foggia, northern Apulia); 7684 and 7684D, tombs from Orsorna (Foggia), Apulia. *Fibula a occhiali con raccordo a 8 e sostegno a fascetta, senza molla'.* Diam. 13.5cm Weight 306g See Colucci Pescatori 1971.1, 476, fig. 2.1, from Bisaccia (Avellino), Campania, spordnic; same type. EIA, late. Bibliography: Walters 1899, no. 1931.

614. GR 1814.7-4.253. Charles Townley Collection. Bought from Peregrine Townley. Two spirlars from a large spectacle fibula once with backing-plate. *Fibulae type 55*. Coils of wire with circular section and decreasing in thickness from edge to centre; figure-of-eight rectangular in section. Hemispherical cap at the centre of one coil; traces of iron rivets at centre of both coils. Backing-plate missing. Green patina with heavy corrosion. L. 20.4cm Weight 336g See cat. 613.

615. GR 1824.4-98.19. Bequeathed by R. Payne Knight. Spectacle fibula probably once with backing-plate. Probably *Fibulae type 55*. Coils of wire with circular section and decreasing in thickness from edge to centre; figure-of-eight rectangular in section. Wire broken at centre of both coils at back; backing plate missing. Dark green patina with some corrosion. L. 18.3cm Weight 305g See cat. 613. EIA, late. Bibliography: Walters 1899, no. 1933.

616. GR 1824.4-98.18. Bequeathed by R. Payne Knight. Spiral, perhaps from a large spectacle fibula. See *Fibulae type 55*. Large wire spiral, circular in section and decreasing in thickness from edge to centre, with a small coil rectangular in section at the outer end. Smooth dark green patina. Diam 12.5cm Weight 260g EIA, late. Bibliography: Walters 1899, no. 1930.

617. GR 1884.10-11.45. Bought from Rev. Grevelle J. Chester. Naples, Campania. Spiral, held within an outer band, from a large spectacle fibula. See *Fibulae type 55*. Large wire spiral circular in section and decreasing in thickness from edge to centre, with small coil with rectangular section at outer end. Inner coil broken; outer coil is held by a penannular outer band, U-shaped in section, with coiled ends, perforations along outer face and an incised line parallel to the margin at the back. Light green patina. Diam. 13.5cm Weight 306g See Colucci Pescatori 1971.1, 476, fig. 2.1, from Bisaccia (Avellino), Campania, spordnic; same type. EIA, late. Bibliography: Walters 1899, no. 1931.

618. GR 1772.3-9.115. Bought from Sir William Hamilton. Spiral from a large spectacle fibula. See *Fibulae type 55*. Large wire spiral circular in section and decreasing in thickness from edge to centre. Outer coil has a series of round perforations for two-thirds of its length and is broken at the end. Small conical cap at the centre, pierced by an iron rivet. Green patina with some corrosion. Diam. 12cm Weight 282g See cat. 613 and 617. EIA, late. Bibliography: Walters 1899, no. 1932.

619. GR 1856.12-26.762. Bequeathed by Sir William Temple. Torre Annunziata (Naples), Campania. Backing-plate of a large spectacle fibula. See *Fibulae type 55*. Narrow violin-bow shape; upper side flat, widening at centre, with two rivet holes with remains of iron rivets to fasten the coils and two rivet holes at centre, probably to attach the figure-of-eight element. Incised line parallel to outer margin of back of upper side. No spring, pin with circular section and small catch-plate. Smooth green to brown patina. L. 25cm Weight 74g See cat. 613. Also *PRB* XV, forthcoming, no. 7690, from Mattinata (Foggia), Apulia. EIA, late. Bibliography: Walters 1899, no. 1943.


621. GR 1856.12-26.764. Bequeathed by Sir William Temple. Torre Annunziata (Naples), Campania. Backing-plate from large spectacle fibula. See *Fibulae type 55*. Narrow violin-bow shape; upper side flat, slightly widening at centre, with two rivet holes, one with remains of iron rivet visible on underside. No spring, pin with circular section and small catch of wire. Smooth green to brown patina with areas of corrosion. L. 19.7cm Weight 31g See cat. 613 and 619. EIA, late. Bibliography: Walters 1899, no. 1944, fig. 30.

622. GR 1772.3-9.11. Given by Sir William Hamilton. Backing-plate from large spectacle fibula. See *Fibulae type 55*. Violin-bow shape; upper side flat in section, slightly widening at centre and with a right angled turn at catch end. Two conical caps to attach coils, one with inner end of coil surviving. At centre two rivet holes, one rivet with button-head surviving, which probably attached figure-of-eight element. Traces of incised line parallel to outer margin of back of upper side. No spring, pin with circular section, catch of wire. Mainly brown patina with corrosion on underside. L. 20.6cm Weight 90g See cat. 613 and 619. EIA, late. Bibliography: Walters 1899, no. 1945.

623. GR 1856.12-26.717. Bequeathed by Sir William Temple. Ruvo (Bari), Apulia. Spiral from a spectacle fibula with backing-plate. *Fibulae type 54* or 55. One coil of wire, broken at the outer end, with circular section and even thickness; two bands set at right angles once encircled the coil. Rivet at centre of coil, joining it with the encircling bands and backing-plate, partly extrant, broken at both ends; pin and catch-plate missing. Green patina with much corrosion. Diam. 7.3cm Weight 71g See cat. 612 and 619. EIA, late.

624. PRB 1916.6-5.184. Given by Lord Avebury. Four-spiral fibula with central disc. *Fibulae type 56*. Coils of bronze wire with circular section and thickness decreasing from edge to centre; a small disc is attached to the upper central joint of the spirals with a rivet. Pin and hook missing, once probably springing diagonally from the centre of two opposing spirals. Decoration of small bosses on disc: a row around the edge and two straight rows crossing at right angles at centre. Black patina with dark green incrustations. L. 9.3cm Weight 63g See *PRB* XIV, forthcoming, I.V. 1 (445), 7926, Incoronata (Matera), Basilicata, tomb 34, ‘Grandi fibule a quattro spirali tipo Incoronata’. EIA, phase IA.

Kilian 1970, 165 ff., only one four-spiral fibula in two pieces with central disc (type M5c) is recorded by Kilian at Sala Consilina (Salerno). Campania, from the cremation burial of a woman, dating from the beginning of period II. EIA, late.

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Bietti Sestieri and Macnamara

625. GR 1824.4-98.20. Bequeathed by R. Payne Knight.
Four-spiral fibula with pin and hook once springing from centre of opposing spirals.

Fibulae type 56.
Two pairs of two coils of wire with circular section and thickness decreasing from edge to centre; both pairs flattened at the central junction and pierced by a rivet uniting them. Wire broken at centre of two coils at back; pin and hook missing. Smooth dark green patina. L. 9.8cm and 9.5cm Weight 114g
See cat. 624.

Terra di Lavoro, (Caserta), Campania.
Four-spiral fibula with pin and hook springing from centre of opposing spirals.

Fibulae type 56.
Two pairs of two coils of wire with circular section and thickness decreasing from edge to centre; a small fragment from a plate is attached to the front of the flattened central junction and is pierced by a rivet, which unites the two pairs of spirals. The inner end of two of the spirals is bent to form the catch-plate (a simple hook) and the pin on the back of the fibula. Light green patina.
L. 5.6cm Weight 26g
See cat. 624.

627. GR 1772.3-18.16. Given by Sir William Hamilton.
Backing-plate from four-coil fibula with horned bird attached on upper side. Fibulae type 58.
Backinging-plate of narrow violin-bow shape; upper side flat, slightly widening at centre, small two-coiled spring and symmetrical catch-plate. Circular hole at centre of upper side and inset cast solid figurine of horned bird (L. 6.1cm) with straight rounded beak, curved horns and plump body with below a vertical element, narrowed at the base, and originally used to insert the figurine into the hole in the supporting object, probably a fibula. Base partly missing and with traces of iron. Smooth green-brown patina.
L. 5.8cm Weight 68g Close to 627.
Bibliography: Walters 1899, no. 351; Hencken 1968, 529, fig. 485a.

Horned bird from a fibula. See Fibulae type 58.
Cast solid figurine with rounded beak, curved horns and plump body with below a vertical element, narrowed at the base, and originally used to insert the figurine into the hole in the supporting object, probably a fibula. Base partly missing and with traces of iron. Smooth green-brown patina.
L. 5.6cm Weight 110g
Bibliography: Walters 1899, no. 348; Kemble 1855, 361, pl. 27, 4; PBFXIV, forthcoming, no. 8068.

Spiral, perhaps once part of a fibula. Fibulae unclassified.
 Coil of wire, round in section, diminishing in thickness towards the centre. Probably once a cap at the centre; where traces of an iron rivet survive. Outer end terminates in a small coil, with rectangular section, and a flat extension, broken at the end. Dull green patina.
Diam. 11.1cm without extension. Weight 248g
See Fibulae types 54 and 55.

Spiral, probably once part of a fibula. Fibulae unclassified.
Coil of wire, round in section, diminishing in thickness towards the centre; conical cap at the centre, pierced by an iron rivet. Outer end terminates in a small coil, with rectangular section, and a short, flat extension. Dull green patina with a 'shadow' line across centre of back, which might indicate the position of a backing-plate of a fibula.
Diam. 11cm Weight 236g
See Fibulae types 54 and 55.

Maremna, near Veii (Rome), Lazio.
Large wide spiral, probably from a spectacle or a four-spiral fibula. Fibulae unclassified.
Large wide spiral, round in section, with small coil with rectangular section at outer end; semihemispherical bronze cap with iron rivet at centre of outer coil. Possibly part of a spectacle fibula. Smooth light green patina with earth inclusions.
Diam. 9.5cm Weight 118g
See Fibulae types 54 and 55.
EIA, late?

Spiral, probably from a fibula. Fibulae unclassified.
Five coils of oval section; broken at both ends. Green patina with some corrosion.
Diam. 9.8cm Weight 105g
See Fibulae types 54 and 55.
EIA, late?

633. GR 1976.2-5.1. Found unregistered.
Spiral, probably from a fibula. Fibulae unclassified.
Coil of wire, broken at the outer end, circular in section and diminishing in thickness from edge to centre. Dark green patina.
Diam. 3.4cm Weight 9g
See Fibulae types 54 and 55.
EIA, late?

Spiral, possibly from a fibula. Fibulae unclassified.
Coil of wire, broken at the outer end, of circular section and even thickness. Dull green patina.
Diam. 2.6cm Weight 6g
See Fibulae types 54 and 55.
EIA, late?

Bracelets

Armento (Potenza), Basilicata.
Spiral ribbon bracelet. Bracelets type 2c.
Thin ribbon of rectangular section, hammered to form 19 coils with decreasing diameter; one end broken, the other end tapers to a point. Smooth light green patina.
Diam. min. 6cm max. 7cm Weight 242g
Close to Cumae 1913, col. 88, pl. 25, 6.
Cairano (Avellino), Campania, Zigarelli collection.
Probably EIA, late.

Spiral rod bracelet with coiled ends. Bracelets type 2d.
Rod with triangular section, hammered to form seven coils of decreasing diameter and ending in two small coils of thin wire with round section. Green patina with areas of corrosion.
Height 5.4cm Diam. max. 4.8cm Weight 89g
Close to Quattro Fontanili 1967, 131, fig. 25, 6 tomb EE 7-8 B.6. Phase IIb.
See also Quattro Fontanili 1965, 201, fig. 103, 5, tomb II 9-10.1.; (not identical, with similar section). Phase IIb.
EIA, late.
   Coiled ribbon and wire bracelet with coiled ends. **Bracelets type 3a, variant.**
   One and a half coils extant; two thirds of the main coil is hammered ribbon with central ridge,
   which then reduces to thin hammered wire with round section ending in a small coil.
   Ribbon broken and mended in antiquity with two rivets. Delicately incised decoration:
   double zigzag chevrons on whole surface of ribbon. A large part of the bracelet is missing.
   Smooth green patina.
   Diam. 8cm Weight 33g
   See for a ribbon bracelet with central ridge and terminal coils Torre Galli 1909, fig. 6.8, cemetery
   from Contrada La Rota, sporadic. Phase EIA. Probably EIA, late.

638. GR 1772.3-7.133. Bought from Sir William Hamilton.
   Coiled double-wire bracelet with ends wrapped together. **Bracelets type 4.**
   Thick wire with round section, doubled to form two parallel strands and hammered to form one
   and a half double coils; at one end, the wires thinned and one wrapped closely around the other.
   A small, plain penannular coil, is attached to the bracelet, its max. diam is 4.3cm.
   Green patina with much corrosion and some earth adhering.
   Diam. 10.4cm Weight 128g
   See Colucci Pescatori 1971.I, 476, fig. 2.7, from Bisaccia (Avellino), Campania, sporadic;
   Colucci Pescatori 1971.II, figs. 27, 31, 40, from Cairano (Avellino), Campania, tombs 12, 8, 22;
   Pithekoussai 1993, 340, pl. 109.9, tomb 283.9
   LG-III, Cuma 1913, col. 73, fig. 17, Stevens Collection, not identical. See Bailey 1986, 136 and
   Jurgeit 1999, no. 1013 for further references and comments.
   EIA, late.

   Coiled double-wire bracelet with ends wrapped together. **Bracelets type 4.**
   Thick wire with round section, doubled to form two parallel strands and hammered to form one
   and a half double coils; at one end, the wires thinned and one wrapped closely around the other.
   Smooth brown to green patina.
   Diam. 8.7cm Weight 52g
   See cat. 638.
   EIA, late.

640. GR 1814.7-4.233. Charles Townley Collection.
   Bought from Peregrine Townley.
   Coiled double-wire bracelet with ends wrapped together. **Bracelets type 4.**
   Thick double-wire with round section, hammered to form two coils; at one end, the wires
   thinned and one wrapped closely around the other. Dull green patina with some corrosion.
   Diam. 4.4cm Weight 112g
   See cat. 638.
   EIA, late.

641. GR 1814.7-4.238. Charles Townley Collection.
   Bought from Peregrine Townley.
   Coiled double-wire spiral bracelet with ends wrapped together. **Bracelets type 4.**
   Double-wire with round section, hammered to form one and a half coils; at one end the wire
   thinned and one wrapped closely around the other. Dull green patina with some corrosion.
   Diam. 7cm Weight 28g
   See cat. 638.
   EIA, late.

642. GR 1772.3-7.135. Bought from Sir William Hamilton.
   Coiled double-wire bracelet or hair ring with ends wrapped together. **Bracelets type 4.**
   Wire with round section, doubled to form two parallel strands and hammered to form nearly
   two double coils; at one end, the wires thinned and one wrapped closely around the other.
   A small break in outer coil. Dull green patina.
   Diam. 3.5cm Weight 14g
   See cat. 638.
   EIA, late.

643. GR 1814.7-4.234. Charles Townley Collection.
   Bought from Peregrine Townley.
   Coiled double-wire bracelet once with ends wrapped together. **Bracelets type 4.**
   Double-wire with round section, hammered to form coils; both wires broken. Green patina
   with some corrosion.
   Diam. 9cm Weight 44g
   See cat. 638.
   EIA, late.

   Armento (Potenza), Basilicata.
   Coiled double-wire bracelet once with ends wrapped together. **Bracelets type 4.**
   Double-wire with round section; one end missing. Damaged and parts missing. Dull green patina.
   Diam. 9cm Weight 69g
   See cat. 638.
   EIA, late.

   Armento (Potenza), Basilicata.
   Coiled double-wire bracelet with overlapping ends. **Bracelets type 5.**
   Rod of roughly plano-convex section (diam. 0.7cm) with ends narrowing and overlapping.
   End flat. Dull green patina.
   Diam. 8.5cm Weight 138g
   See cat. 646.
   EIA, late.

646. GR 1814.7-4.237. Charles Townley Collection.
   Bought from Peregrine Townley.
   Coiled rod bracelet with overlapping ends. **Bracelets type 5.**
   Thick rod of roughly square section with ends narrowing and overlapping. Dull green-brown patina.
   Diam. 9cm Weight 62g
   Close to Hencken 1968, 175, fig. 16b, from Tarquinia (Viterbo), Lazio, Impiccato, Grave II.
   Phase III. See also Pithekoussai 1993, 491, pl. 145.4-5, tomb 488.4 and 5. LG-III or II. Also Cuma
   1903, col. 269, fig. 51, though smaller; Greek inhumation burial 103bis.
   See also similar pieces (not identical) from Evruria: Quattro Fontanili 1963, 230, fig. 106.f, tomb
   KKL 18-19.f. Phase II C; 252, fig. 117.e, tomb LI 18.e. Phase II B. Also Jurgeit 1999, nos.
   1020 and 1021.
   EIA, late.

647. GR 1814.7-4.230. Charles Townley Collection.
   Bought from Peregrine Townley.
   Coiled rod bracelet with overlapping ends. **Bracelets type 5.**
   Thick rod of roughly plano-convex section (diam. 1cm) with ends narrowing and overlapping.
   Ends flat. Dull green patina.
   Diam. 8.5cm Weight 138g
   See cat. 646.
   EIA, late.

648. GR 1838.6-8.73. Bought from C. Campanari.
   Coiled rod bracelet with overlapping ends. **Bracelets type 5.**
   Rod of roughly plano-convex section (diam. 0.7cm) with ends narrowing and overlapping.
   Rough green patina with areas of corrosion.
   Diam. 7.5cm Weight 77g
   See cat. 646.
   EIA, late.

649. GR 1975.9-5.15bis. Found unregistered.
   Coiled thin rod bracelet with overlapping ends. **Bracelets type 5, variant.**
   Rod of round section (diam. 0.5cm). Smooth green-brown patina.
   Diam. 9cm Weight 28g
   See Hencken 1968, 73, fig. 60a, Tarquinia (Viterbo), Lazio, Selciatelio Sopra, tomb 125.
   Phase I B; Kilian 1977 b, 28, nos. 10 and 11, fig. 5.3 and 4, Tarquinia, Monterozzi (Mt), Tomb of
   the Warrior.
   EIA, late.

650. GR 1772.3-7.149. Bought from Sir William Hamilton.
   Coiled thick rod bracelet with overlapping ends. **Bracelets type 6.**
   Thick rod with round section, slightly diminishing at ends, and hammered to form one
   and a quarter coils. Deeply incised decoration on outer surface of ends: groups of transverse parallel grooves separated by
   slightly bulging areas. Light green patina with some corrosion.
   Diam. 9.7cm Weight 567g
   See von Duhn 1887, 252, fig. 22 from Susessula (Caserta), Campania, very similar but rod of
   even thickness.
   See, too, Pithekoussai 1993, 470, pl. 138.10, tomb 469.10 and 11, though smaller. LG-III
   EIA, late.
**651.**
GR 1772.3-7.751. Bought from Sir William Hamilton.
Coiled thick rod bracelet with overlapping ends. **Bracelets type 6.**
Thick rod with round section slightly diminishing at ends and hammered to form one and a quarter coils. Deeply incised decoration on outer surface of ends; groups of transverse parallel grooves separated by slightly bulging areas. Dark green patina. Diam. 5.2cm Weight 70g
See *Pithekoussai* 1993, 470, pl. 138.10, tomb 469.10 and 11. LGI.
EIA, late.

**652.**
GR 1824.4-6.2. Bequeathed by R. Payne Knight.
Coiled rod bracelet with overlapping ends. **Bracelets type 6.**
Rod with oval section, hammered to form one and a fifth circular coils, ends flat with deeply incised cross pattern. Incised decoration on outer surface of ends: groups of transverse parallel lines. Dark green patina. Diam. 8cm Weight 112g
See *Pithekoussai* 1993, 356, pl. 114.10, tomb 298.10 and 11, though smaller. LGII; Pontecagnano 2004, 40, pl. 23, 23.24, tomb 489.4, 23, 34. Similar to Pontecagnano, type 36A (*Pontecagnano* 1988, 64, pl. 21, period II).
EIA, late.

**653.**
Coiled faceted rod bracelet. **Bracelets type 7.**
Thin rod with approximately octagonal section, hammered to form one and a half coils, ends slightly rounded. Deeply incised decoration on outer side of ends: groups of transverse parallel lines separated by slightly bulging areas: see **Bracelets type 6.** A ring of bronze sheet with five holes, circular or figure-of-eight in form, suspended from the bracelet. Dull green patina. Diam. 8.6cm Weight (including the ring) 175g
For faceted section, see *Pithekoussai* 1993, 491, pl. 145.4, tomb 488.4. LGI or II.
For decoration, see *Pithekoussai* 1993, 356, pl. 114.10, tomb 298.10 and 11. LGII.
EIA, late.

**654.**
Coiled faceted rod bracelet. **Bracelets type 7.**
Rod with square section with rounded angles, hammered to form almost two circular coils, ends slightly diminished with straight butts. Small solid cast ring and circular bulla of folded sheet bronze attached to the bracelet. Smooth dark green patina.
Diam. 9.2cm Weight (including the bulla and ring) 134g
See cat. 653.
EIA, late.

**655.**
GR 1772.3-7.122. Bought from Sir William Hamilton.
Coiled thick rod bracelet. **Bracelets type 8.**
Small, heavy, rod with round section (diam. 0.8cm). Two and a third coils, flat ends. Plain. Green patina with some earth adhering.
Diam. 5.2cm Weight 140g
See Pontecagnano 1988, 222, fig. 209.5, tomb 4870.5, type 36A. Period II.
EIA, late.

**656.**
GR 1772.3-7.121. Bought from Sir William Hamilton.
Coiled thick rod bracelet. **Bracelets type 8.**
Thick rod with round section (diam. 1.5cm). Almost two coils with somewhat straightened ends. Plain. Brown-green patina. Diam. 9.4cm Weight 162g
See *Pithekoussai* 1993, 491 and pl. 145.4, tomb 488.4, though this example is faceted. LGI or II.
EIA, late.

**657.**
GR 1772.3-7.167. Bought from Sir William Hamilton.
Coiled rod bracelet with moulded ends. **Bracelets type 9a.**
Rod with round section, hammered to form one and a quarter coils; ends narrowing with plano-convex section and somewhat rounded ends, decorated on outer face with three transverse grooves. Dark green patina with some corrosion.
Diam. 5.4cm Weight 33g
Close to *Quattro Fontanili* 1965, 202, fig. 103.42.ee, tomb II 9-10.ee. Phase IIIB. HencKen 1968, 139, fig. 127.e, from Tarquinia (*Viterbo*), Lazio, Sopra Selciatello, tomb 140.e.
Phrase II. PhiA, Phase II. PhiA, Phase II.
EIA, late.

**658.**
Coiled rod bracelet with moulded ends. **Bracelets type 9a.**
Small, rod with roughly plano-convex section (diam. 0.45cm). One and a quarter coils, ends narrowing with slightly moulded rounded butts. Tip of one end missing. Light green patina. Diam. 4cm Weight 14g
See cat. 657.
EIA, late.

**659.**
GR 1772.3-7.156. Bought from Sir William Hamilton.
Coiled rod bracelet with moulded ends. **Bracelets type 9a.**
Small, rod with round section (diam. 0.55cm). One and a quarter coils and distinct knobbed ends. Smooth green patina. Diam. 4.4cm Weight 26g
See cat. 657.
EIA, late.

**660.**
GR 1772.3-7.165. Bought from Sir William Hamilton.
Coiled rod bracelet with moulded ends. **Bracelets type 9a.**
Small, thin rod with round section (diam. 0.4cm). Two coils with distinct knobbed ends. Smooth dark green patina. Diam. 4.5cm Weight 34g
See cat. 657.
EIA, late.

**661.**
GR 1772.3-7.126. Bought from Sir William Hamilton.
Coiled rod bracelet with moulded ends. **Bracelets type 9b.**
Rod with round section, slightly thickened at centre and bent to form one coil with overlapping, knobbed ends. Probably once incised decoration on whole outer surface: encircling parallel lines. Dull green patina with some corrosion.
Diam. 9cm Weight 68g
Close (not identical) to Johannowsky 1983, 117, pl. XX.9, Capua (Caserta), Campania, tomb 213.13. See also *Pontecagnano* 1992, 109, fig. 125.12, tomb 2380.12, though smaller. Phase II. *Quattro Fontanili* 1972, 378, fig. 122.6, tomb QR. Beta 6. Phase II. Phase II.
EIA, late.

**662.**
GR 1772.3-7.141. Bought from Sir William Hamilton.
Annular wire bracelet. **Bracelets type 10a.**
Wire with round section (diam. 0.2cm). Plain. Smooth dark green patina. Diam. 7.5–8cm Weight 10g
Close to *Quattro Fontanili* 1970, 296, fig. 69.16; tomb Z1 alpha. 16. Phase IIIB. See also Jurget 1999, no. 1045.
EIA, late.

**663.**
GR 1772.3-7.145. Bought from Sir William Hamilton.
Annular thin wire bracelet. **Bracelets type 10a.**
Wire with round section (max. diam. 0.2cm). Plain. Smooth dark green patina. Diam. 8cm Weight 6g
See cat. 662.
EIA, late.

**664.**
GR 1772.3-7.162. Bought from Sir William Hamilton.
Annular wire bracelet. **Bracelets type 10a.**
Wire with four-sided faceted section (max. diam. 0.3cm). Plain. Dark green patina. Diam. 8.8cm Weight 13g
See cat. 662.
EIA, late.

**665.**
Annular wire bracelet. **Bracelets type 10a.**
Wire of rectangular section (diam. 0.3cm). Plain. Smooth green-brown patina. Diam. 9.3cm Weight 8g
See cat. 662.
EIA, late.

**666.**
GR 1975.9-5.15. Found unregistered.
Annular rod bracelet or suspension ring. **Bracelets type 10b.**
Rod of roughly square section (diam. 0.5cm).
Smooth dull green patina.
Diam. 6.9cm Weight 14g
Close to Pontecagnano 1988, 63, pl. 21, type 35A; tomb 211.40, fig. 64.40. Period II.
Also Osteria dell’Osa 1992, 304, pl. 40, type 49e. Period III.
EIA, late.

Penannular rod bracelet. **Bracelets type 11.**
Rod with rounded section (diam. 0.9cm). Bent to form one coil, with the section narrowing towards the ends and the straight ends touching. Plain, smooth light green patina.
Diam. 9cm Weight 158g
See Cuna 1903, col. 269, nos. 14–17, figs. 49–50 from Greek inhumation burial 103bis. Similar in form but of smaller size.
EIA, late.

669. GR 1772.3-7.1753. Bought from Sir William Hamilton.
Penannular rod bracelet. **Bracelets type 11.**
Rod with slightly faceted section, bent to form one coil with the straight ends touching. Deeply incised decoration on outer face: transverse groups of chevrons and parallel lines separated by slightly bulging areas with circle at centre. Green patina.
Diam. 10.3cm Weight 150g
See Colucci Pescatori 1971. II, 536 and fig. 44. 22 from Cairano (Avellino), Campania, Zigarelli Collection.
EIA, late.

Rod of rounded section on inner and outer faces and flattened sides (diam. 0.45cm): flat open ends. Light green patina with brown areas and some corrosion.
Total 54 pieces. The bracelets can be divided in three groups according to maximum width:
Width under 6cm:
Cat. 670, 671, 673–676. Weight: 5–19g
Width 6–8cm:
Cat. 677, 678–705. Weight: 13–43g
Width 8cm or over:
Cat. 672, 706–723. Weight: 32–56g
This type of bracelet, without decoration, is known chiefly from tombs of the Oliveto-Cairano culture, often with several examples in a grave. From Oliveto Città (Salerno), Campania, D’Agostino 1964, 42, ‘bracciali ad arco inflesso’ from tombs 1, 3, 7, 10 (see fig. 23, 14–17) and 25. From Cairano (Avellino), Campania, Colucci Pescatori 1971. II, 488, Type C2, tomb 11, fig. 14; tomb 7, fig. 31; tomb 13, fig. 31 and tomb 2, fig. 40. From Cairano, Bailo Modesti 1980, 40, type 35 BI (see for references): from tombs V and VI, pl. 18; tomb IX, pl. 76, 3. From Bisaccia (Avellino), Campania, Colucci Pescatori 1971. I, fig. 2-4. D’Agostino 1964, 95–96 notes the type probably reached Campania from the east and is related to forms north of the Adriatic.

See for a similar type and distribution, **Bracelets type 12b.**
EIA, late or later.

724. GR 1975.9-4.12. Found unregistered. Penannular rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12a, variant.**
Plain thick rod with triangular section, irregular open ends. Light green patina.
Width 6.5cm Weight 76g
EIA, late or later.

725. GR 1964.12-21.4. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Thick and wide rod with triangular section, slightly convex open ends. Deeply incised decoration: oblique parallel lines on whole outer surface. Dark green patina.
Like **bracelets type 12a,** very similar in general shape, this type is rather standardized, except for some variation in weight. Total 13 pieces. maximum width: 6.7–7.8cm weight: 76–254g
This heavy type of bracelet decorated by incision on the outer side is known from the Cairano area (Avellino), Campania. See Colucci Pescatori 1971. II. 488 ‘bracciali ad arco inflesso’ Type C1, from Cairano, sporadic, fig. 36 and from the Zigarelli collection, fig. 44.19. See, too, an example without incised decoration from Caliri (Avellino). Campania, fig. 43.9. Also Bailo Modesti 1980, 40, type 35A, pl.18, sporadic 2, from necropolis Vignale, Cairano. EIA, late or later.

726. GR 1935.8-23.66. Transferred from the Department of British and Medieval Antiquities (1904.3-12.5). Given by Max Rosenheim. Tarquinia (Viterbo), Lazio. **Bracelets type 12a,** very similar in general shape, this type is rather standardized, except for some variation in weight. Total 13 pieces.
Max. width 7.9cm Weight 159g
Patina.

727. GR 1975.9-4.1. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Thick and wide rod, section triangular, flattened sides (diam. 0.45cm): flat open ends. Light green patina.
Cat. 725.
EIA, late or later.

728. GR 1975.9-4.2. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Thick rod with rounded section, flat open ends. Deeply incised decoration: oblique parallel lines, originally on whole outer surface. Dark green patina with some corrosion.
Max. width 7.9cm Weight 178g
See cat. 725.
EIA, late or later.

729. GR 1975.9-4.3. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Thick rod with plano-convex section. Deeply incised decoration: oblique parallel lines originally on whole outer surface. Dark green patina.
Max. width 7.1cm Weight 254g
See cat. 725.
EIA, late or later.

730. GR 1975.9-4.4. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Thick rod with plano-convex section. Deeply incised decoration: oblique parallel lines originally on whole outer surface. Dark green patina.
Max. width 6.8cm Weight 153g
See cat. 725.
EIA, late or later.

731. GR 1975.9-4.5. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Thick rod with plano-convex section. Deeply incised decoration: oblique parallel lines originally on whole outer surface. Dark green patina.
Max. width 7.1cm Weight 178g
See cat. 725.
EIA, late or later.

732. GR 1975.9-4.6. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Rod with plano-convex section, flat ends. Deeply incised decoration: oblique parallel lines originally on whole outer surface. Dark green patina with areas of corrosion.
Max. width 6.7cm Weight 76g
See cat. 725.
EIA, late or later.

733. GR 1975.9-4.7. Found unregistered. Penannular thick rod bracelet in the form of a capital D with in-curved back. **Bracelets type 12b.**
Rod of plano-convex section. Deeply incised decoration: oblique parallel lines originally on...
whole outer surface. Dark green patina with areas of corrosion. Max. width 7cm Weight 93g See cat. 725. EIA, late or later.


738. GR 1975.9-4.13. Found unregistered. Penannular ribbon bracelet in the form of a capital D with in-curved back. Bracelets type 12c. Wide bronze ribbon with straight edges, slightly rounded open ends, one with a rivet hole. Delicately incised tremolo decoration: chevrons forming a thin zigzag line at centre. Dark green patina with brown areas. Max. width 5.7cm Weight 24g No precise parallels, although the piece might belong with the group of D-shaped bracelets types 12a and 12b. Probably EIA, late or later.

739. GR 1975.9-4.67. Found unregistered. Penannular ribbon bracelet in the form of a capital D with in-curved back. Bracelets type 12d. Wide bronze ribbon with rectangular section and almost straight edges, reduced to a thick wire with circular section toward the ends; ends open and slightly rounded. Green patina. Diam. 7.9cm Weight 44g No precise parallels, although the piece might belong with the group of D-shaped bracelets type 12a and 12b. Probably EIA, late or later.

740. GR 1824.4-6.22 Bequeathed by R. Payne Knight. Hollow coiled bracelet. Bracelets type 13a. Beaten and folded bronze sheet, wider at centre, with plano-convex section and forming one and a quarter coils, thin ends. Deeply incised decoration on band: transverse parallel grooves on ends, next groups of parallel lines and at middle a central line with diagonal lines on either side with hatching in between; some hatched triangles at sides. Surface damaged and small parts missing. Dark green patina. Diam. 10cm Weight 52g Close to Quattro Fontanili 1963, 262, fig. 123,a, tomb NN 17,a; Quattro Fontanili 1970, 302, fig. 78.22, tomb AA 1.2, phase IIb. Also Hencken 1968, 192, fig. 174j, Tarquinia, Monterozzi, ‘Dolso with a Girdle with a Turtle’. Phase IIb; Osteria dell’Osa 1992, 393 and pl. 40, type 49b. Period III; Pithekoussai 1993, 402, pl. 136.2, tomb 457.2, LG I or II. EIA, late.

741. GR 1975.7-12.29. Transferred from PRB, July 1975. Sir Henry Wellcome Collection, 16283B. Bought at Sotheby’s 12 September 1928, lot 346. Given by the Wellcome Trustees. Hollow coiled bracelet. Bracelets type 13b. Hammered and folded bronze sheet with round section, diminishing at ends and forming almost two coils; both ends broken. Light green patina with areas of corrosion. Diam. 9cm Weight 82g See Quattro Fontanili 1975, 84, fig. 13.11, tomb F 7-8.11. Phase IIC. EIA, late.


Swords and Sheaths

743. PRB WGr133. Canon W. Greenwell Collection, bought from Alessandro Castellani. Given by J. Pierpont Morgan in 1909. Loci (Reggio Calabria), Calabria. Short sword with flanged hilt and crescent-shaped pommel (T-hilt sword). Swords type 9a. Associated with sheath cat. 744. Curved pommel, hilt edge with angular protrusions on central part, wide curved almost angular shoulders; four rivet holes and one rivet extant, short blade with almost straight edges ending in a carp’s tongue with two groups of thin nervatures and lenticular section with central swelling. Tip of blade missing. Slightly corroded dark green discontinuous patina, with light green incrustation. L. 44.6cm Weight 388g See PRB IV, 1, no. 239, from Veii (Rome), Lazio, type Terri. EIA, late.

744. GR 1969.12-31.132. Transferred from PRB. Canon W. Greenwell Collection, no. 134, bought from Alessandro Castellani. Given by J. Pierpont Morgan in 1909. Loci (Reggio Calabria), Calabria. Sword sheath with globular terminal. Sheaths type 3. Associated with sword cat. 743. Bronze sheet in one piece, folded to form the rear face; point ending in a cast flattened globe surmounted by a disc. Front face decorated on either side with six converging groups of three parallel incised lines alternating with zigzags and a hatched meander pattern in the centre; three incised lines parallel to both edges of the sheath partly surviving on the rear side. Dull green patina. L. 36cm Weight 422g See PRB IV, 1, nos. 248a and 310a, from Terni, Umbria. Type Guardia Vomano. EIA, early–late.


745. GR 1975.5-18.7. Found unregistered. Short sword with flanged hilt and crescent-shaped pommel (T-hilt sword). Swords type 9b. Small curved pommel, hilt edge with sharp angular protrusions on central part, wide curved almost angular shoulders; four rivet holes and two rivets extant, short blade with almost straight edges sharply narrowing towards the tip, decorated with two groups of incised grooves; low lenticular section with central angular swelling. Pommel detached, upper part damaged. No patina; cleaned in modern times. L. 41.2 and 2.5cm Weight 297g See PRB IV, 1, nos. 250–266. Type Vulci. EIA, late.

Short sword with flanged hilt and crescent-shaped pommel (T-hilt sword) with sheath still attached. **Swords type 9b.** Slightly curved pommel, hilt edge with angular protrusions on central part with fragments of a bronze band with light groovings attached to the upper part; wide curved, almost angular shoulders; four rivet holes and one rivet extant, short blade with almost straight edges ending in a carp’s tongue with two groups of incised lines and low diamond-shaped section. Sheath made of bronze sheet with traces of wooden lining, still attached on one side of the blade, decorated with parallel groovings. Condition poor. Sword and sheft covered with thick incrustations. L. 42.3cm (sword); 24.6cm (sheath). Weight 370g. See **PBF IV, 1, nos. 259–266. Type Vulci.** EIA, late. Bibliography: **PBF IV, 14, no. 205.**

**747.** GR 1994.8-3.2. Transferred from PRB. Canon W. Greenwell Collection, no. 1165, bought from Alessandro Castellani. Given by J. Pierpont Morgan in 1909. Naples, Campania. Sword sheath with terminal knob. **Sheaths type 3.** Bronze sheet in one piece, folded to form the rear face, firmly narrowing towards the point. Point ending in a cast terminal with two discs and three pairs of horizontal nervatures, their outer edges decorated with chevrons. Front face decorated on either side with six converging grooves. Parts missing. Dull green patina. L. 26.5cm Weight 208g. See **PBF IV, 1, no. 262, from Veii (Rome), Lazio; nos. 381–390. Type Narn.** EIA, late. Bibliography: Walters 1899, no. 2709; BM Guide 1920, 99, fig. 99e; Hencken 1956, 169.

**748.** GR 1975.5-18.2A. Found unregistered. Sword sheath with terminal with two discs. **Sheaths type 4.** Associated with sword cat. 748. Sheet bronze in one piece, unevenly broken at top, and folded to form the rear face, sharply narrowing towards the point; hole for attachment surviving on one side at top of rear face. Point ending in a cast terminal with two discs and three pairs of horizontal nervatures, their outer edges decorated with chevrons. Front face decorated on either side with six converging grooves. Parts missing. Dull green patina. L. 26.5cm Weight 208g. See **PBF IV, 1, no. 262, from Veii (Rome), Lazio; nos. 381–390. Type Narn.** EIA, late. Bibliography: Walters 1899, no. 2709; BM Guide 1920, 99, fig. 99e; Hencken 1956, 169.

**749.** GR 1975.5-18.2B. Found unregistered. Sword sheath with terminal with two discs. **Sheaths type 4.** Associated with sword cat. 748. Sheet bronze in one piece, unevenly broken at top, and folded to form the rear face, sharply narrowing towards the point; hole for attachment surviving on one side at top of rear face. Point ending in a cast terminal with two discs and three pairs of horizontal nervatures, their outer edges decorated with chevrons. Front face decorated on either side with six converging grooves. Parts missing. Dull green patina. L. 28cm Weight 496g. See cat. 751. Generally similar: Pontecagnano 1988, 77, pl. 24, type 58A2. Phase IB. See also Gierow 1966, fig. 98.9, from Marino (Rome), Lazio, in the Alban Hills, sporadic. EIA, late. Bibliography: Walters 1899, no. 2794.

**750.** GR 1975.6-27.22. Found unregistered. Javelin-head with conical socket and foliate blade. **Spearheads type 3, variant.** Blade expanded and sharply curved at base. Wide socket with two lateral pin-holes. Smooth dark green patina. L. 10.9cm Weight 60g. See cat. 751. No precise parallels found; for a general similarity see Pontecagnano 1988, 77–78, pl. 24, types 58–59. Phases IB to period II. Probably EIA, late.

**751.** GR 1849.5-18.47. Bought from Campanari, Thomas Blaydes’s sale 13 February 1849. The greater part of these objects formed part of the Pizzati Collection in Florence. Spearhead with conical socket and foliate blade. **Spearheads type 4.** Narrow blade with rounded profile, faceted socket with central facet extending below the junction with the blade, outer lateral angles at base of socket and two lateral pin-holes. Two small circular holes on the lower blade. Incised decoration: hatched triangles, tremolo and zigzag patterns on the blade; opposed hatched triangles, circles, zigzag lines and rows of dots on the socket, circles and rows of dots encircling both pin-holes and along margins. Cutting edge slightly damaged. Smooth brown patina. L. 29.9cm Weight 364g. For a very close parallel see Torre Galli 1999, 35, fig. 6.11, sporadic from a cemetery in Contrada La Rota: similar in general shape and size, length c. 26cm decorated of hatched triangles, opposed hatched triangles, dots in rows, holes on lower blade. Phase II A. Close to Pontecagnano 1988, 78, pl. 24, type 59A. Phase IB to period II. See also Colucci Pescatori 1971.II, fig. 43.1, Cairano (Avellino), Campania, sporadic (large spear-head with decoration similar to type 4 and circular holes at base of blade). EIA, late. Bibliography: Walters 1899, no. 2714.

**752.** GR 1814.7-4.1010. Charles Townley Collection. Bought from Peregrine Townley. Spearhead with conical socket and expanded foliate blade. **Spearheads type 3.** Wide and relatively short blade with rounded profile towards lower end, short plain socket with two lateral pin-holes. Base of socket and blade damaged. Dull green patina; some surface areas missing and some incrustation. L. 28cm Weight 496g. See cat. 751. Generally similar: Pontecagnano 1988, 77, pl. 24, type 58A2. Phase IB. See also Gierow 1966, fig. 98.9, from Marino (Rome), Lazio, in the Alban Hills, sporadic. EIA, late. Bibliography: Walters 1899, no. 2794.

**753.** GR 1975.6-27.22. Found unregistered. Javelin-head with conical socket and foliate blade. **Spearheads type 3, variant.** Blade expanded and sharply curved at base. Wide socket with two lateral pin-holes. Smooth dark green patina. L. 10.9cm Weight 60g. See cat. 751. No precise parallels found; for a general similarity see Pontecagnano 1988, 77–78, pl. 24, types 58–59. Phases IB to period II. Probably EIA, late.

**754.** GR 1849.5-18.47. Bought from Campanari, Thomas Blaydes’s sale 13 February 1849. The greater part of these objects formed part of the Pizzati Collection in Florence. Spearhead with conical socket and foliate blade. **Spearheads type 4.** Narrow blade with rounded profile, faceted socket with central facet extending below the junction with the blade, outer lateral angles at base of socket and two lateral pin-holes. Two small circular holes on the lower blade. Incised decoration: hatched triangles, tremolo and zigzag patterns on the blade; opposed hatched triangles, circles, zigzag lines and rows of dots on the socket, circles and rows of dots encircling both pin-holes and along margins. Cutting edge slightly damaged. Smooth brown patina. L. 29.9cm Weight 364g. For a very close parallel see Torre Galli 1999, 35, fig. 6.11, sporadic from a cemetery in Contrada La Rota: similar in general shape and size, length c. 26cm decorated of hatched triangles, opposed hatched triangles, dots in rows, holes on lower blade. Phase II A. Close to Pontecagnano 1988, 78, pl. 24, type 59A. Phase IB to period II. See also Colucci Pescatori 1971.II, fig. 43.1, Cairano (Avellino), Campania, sporadic (large spear-head with decoration similar to type 4 and circular holes at base of blade). EIA, late. Bibliography: Walters 1899, no. 2714.

**755.** PRB 1918.10-5.1. Given by Charles Hercules Read. Greenwell Sale, lot 456. Bari, Apulia. Spearhead with conical socket with foliate blade. **Spearheads type 4.** Narrow blade with rounded profile, faceted socket with central facet extending below the junction with the blade, outer lateral angles at base of socket and two lateral pin-holes surrounded by incisions. Decoration: hatched triangles on the central face of the socket and on the blade; deeply incised herringbone pattern at base of blade, on both sides; on the lower part of the socket, rows of dots encircling margins and other features. Shiny dark green
discontinuous patina with bright green incrustations.
L. 18.3cm Weight 183g
See cat. 754.
EIA, late.
Bibliography: BM Guide 1920a, 149, fig. 157.

756. PRB 1956.6-5.177. Given by Lord Avebury.
Naples, Campania.
Spearhead with conical socket and foliate blade.
Spearheads type 4.
Narrow blade with rounded profile, faceted socket with central facet extending below the junction with the blade, outer lateral angles at base of socket and two lateral pin-holes surrounded by cruciform incisions. Decoration: deeply incised herringbone pattern at the base of the blade, on both sides. Smooth blackish patina with dark green incrustations.
L. 20.7cm Weight 180g
See cat. 754.
EIA, late.

757. PRB 1891.5-4-65. Purchased from Rollin and Feuardent; Roots Sale, Christies 20 April 1891.
Naples, Campania.
Spearhead with conical socket and foliate blade.
Spearheads type 4.
Note: all the pieces in this type have very fine workmanship and decoration.
Narrow blade with rounded profile, faceted socket with central facet extending below the junction with the blade, outer lateral angles at base of socket and two lateral pin-holes. Decorated with four nervationes on the socket and herringbone incision below junction of blade with socket. Smooth patina in various tones of green.
L. 21.5cm Weight 217g
See cat. 754.
EIA, late.

758. PRB 1883.4-26.7. Given by Sir A. W. Franks.
Spearhead with conical socket and foliate blade.
Spearheads type 4, variant.
Blade slightly expanded in the lower part, not sharply separated from the faceted socket; outer lateral angles at the base of the socket and two lateral pin-holes surrounded by cruciform incisions. Decoration: incised circles in two different sizes on the socket, deeply incised herringbone pattern at the base of the blade, on both sides, and row of parallel marks on both sides of the socket. Smooth patina in various tones of green with brown incrustations.
L. 19.9cm Weight 165g
See for a general similarity cat. 757.
Probably EIA, late.

759. GR 1873.8-20.238. Bought from Alessandro Castellani.
Spear-butt, conical faceted. Spear-butts type 5.
Probably found with spearhead cat. 765. Very long and slender piece, with distinct, slightly flaring rim, lightly faceted body and pointed tip. No pin-holes. Upper part decorated with an encircling band of incised lines. Upper end broken. Dark green patina with much corrosion.
L. 44.6cm Weight 307g
See Pontecagnano 1988, 78-79, pl. 24, type 50Aa. Phase II.

760. GR 1865.7-22.11. Bought from Alessandro Castellani.
Spearhead with conical socket and narrow foliate blade. Spearheads type 7.
Long, narrow blade with slightly rounded lower part and two wide longitudinal grooves; slender faceted socket with no lateral pin-holes. Several oblique marks on one side of the central ridge of the socket. Bent, probably intentionally; blade edges slightly damaged. Uneven dark and light green patina.
L. 44.5cm when straight. Weight 309g
Identical in general shape, decoration and size to the spearhead from the Tomb of the Warrior, Monterozzi (M1) of Tarquinia (Viterbo), Lazio: Kilian 1977b, 24ff, 63–64, fig. 7.5 and Hencken 1968, 204, fig. 180g, phase IIC.

761. GR 1975.6-27.15. Found unregistered.
Spearhead with conical socket and foliate blade. Spearheads type 7.
Small parts missing. Rough green patina.
L. 20.9cm Weight 194g
See cat. 761.
EIA, late.

762. GR 1975.6-27.33. Found unregistered.
Spearhead with conical socket and foliate blade. Spearheads type 7.
Long, narrow blade with slightly rounded lower part and plain socket with two lateral pin-holes. Smooth dull green patina.
L. 20.2cm Weight 202g
See for the general shape Pontecagnano 1988, 78, pl. 24, type 50Aa. Phase I.

763. GR 1982.6-7-27. Received from PRB. Sir Henry Wellcome Collection, no. 172737. Bought at Sotheby’s sale September 1930, lot 425. Given by the Wellcome Trustees.
Arezzo, Tuscany.
Javelin-head with conical socket and foliate blade. Spearheads type 7.
Long, narrow blade with slightly rounded lower part and plain socket with two lateral pin-holes. Small parts missing. Rough green patina.
L. 45.5cm Weight 130g
See cat. 761.
EIA, late.

764. GR 1865.7-20.53. Bought from C. Merlin.
Olympia, Greece.
Spearhead with conical socket and foliate blade. Spearheads type 7.
A small fragment of charcoal, probably from the wooden shaft, is associated with this spearhead. Long, narrow blade with slightly rounded lower part and slender faceted socket throughout length. Two lateral pin-holes in socket. Dark green patina with some corrosion.
L. 28.6cm Weight 325g
See cat. 761.
EIA, late.

765. GR 1873.8-20.238. Bought from Alessandro Castellani.
Spearhead with conical socket and foliate blade. Spearheads type 7.
Long, narrow blade with slightly rounded lower part and two wide longitudinal grooves; slender faceted socket with no lateral pin-holes. Several oblique marks on one side of the central ridge of the socket. Bent, probably intentionally; blade edges slightly damaged. Uneven dark and light green patina.
L. 44.5cm when straight. Weight 309g
Identical in general shape, decoration and size to the spearhead from the Tomb of the Warrior, Monterozzi (M1) of Tarquinia (Viterbo), Lazio: Kilian 1977b, 24ff, 63–64, fig. 7.5 and Hencken 1968, 204, fig. 180g, phase IIC.

766. GR 1875.6-27.9. Found unregistered.
Spearhead with conical socket and narrow foliate blade. Spearheads type 12.
Narrow blade with rounded profile, joining to socket at right angles, socket flattened in blade area and with lateral facets continuing past base of blade and forming two raised pointed elements on either side of the socket; no pin-holes in the socket. Traces of incised decoration of lines and dots on the socket: two lines along the central facet in blade area, groups of encircling parallel lines separating bands of zigzag and meander patterns on lower socket. Blade heavily damaged. Some shiny surface areas; elsewhere green patina with heavy corrosion.
L. 32.1cm Weight 359g
See Quattro Fontanili 1975, 143, fig. 51.7, tomb AB11a-12. 7. Phase IIIB.
EIA, late.
768. GR 1975.6-27.27. Found unregistered. Spearhead with conical socket and foliate blade and squared-off butt. **Spearheads type 12.** Narrow blade with rounded profile, joining to socket at right angles, plain conical socket with central zone flattened in blade area, outer lateral angles and two lateral pin-holes surrounded by cruciform incisions in lower socket. Smooth green patina. L. 29.5cm Weight 386g
See cat. 767. EIA, late.

769. GR 1975.6-27.32. Found unregistered. Spearhead with conical socket and foliate blade. **Spearheads type 12.** Narrow blade with rounded profile, joining to socket at right angles, plain conical socket with two lateral pin-holes. Little patina with colour of metal showing in some areas. L. 16cm Weight 92g
See cat. 767. EIA, late.

770. PRB 1964.12.6.84. Bequeathed by C.T. Trechmann. Capua (Caserta), Campania. Large spearhead with conical socket and foliate blade. **Spearheads type 12.** Narrow blade with rounded profile, joining to socket at right angles, with high lateral nervatures continuing past base of blade and forming two raised pointed elements on either side of the socket and two lateral pin-holes. Two incised lines along edges of lower blade? Discontinuous black and dark green patina. Parts of the blade missing. L. 48.5cm Weight 624g
See cat. 767. EIA, late.

771. GR 1824.4.7.2. Bequeathed by R. Payne Knight. Spearhead with conical socket and flame-shaped blade. **Spearheads type 15.** Expanded blade and slender flattened socket with outer lateral angles at the base and two lateral pin-holes surrounded by cruciform incisions. Decoration: band of thin incised lines along the edges of the blade. Smooth dark green patina. L. 34.7cm Weight 348g
The slender elongated shape, as seen also in **Spearheads type 7,** probably indicates a relatively late date in the EIA; this seems to be confirmed by the two oversize spearheads of similar shape from Pomarzo, cat. 799 and 800, probably of Orientalizing date. Close to Pontecagnano 1988, 77, pl. 24, type 58A2, tomb 2157. Period II. EIA, late. Bibliography: Walters 1899, no. 2788.

772. GR 1867.5-8.185. Blacas Collection. Spearhead with conical socket and flame-shaped blade. **Spearheads type 15.** Similar patina and proportions suggest association with spearbutt cat. 773.
Blade with rounded profile towards lower end, faceted socket with two lateral pin-holes. Decoration: row of incised circles along the lower edge of the blade, four circles around each pin-hole; flat nervatures with incised herringbone pattern along the edges of the socket facets; double band with incised herringbone pattern at the base of the socket. Small parts missing. Light green patina with corrosion and incrustations; earth adhering. L. 36.2cm Weight 622g
See cat. 777. EIA, late.

773. GR 1867.5-8.190. Blacas Collection. Spearbutt, conical faceted. **Spearbutts type 4.** Similar patina suggests association with spearhead cat. 772.
Upper end of socket plain, with three encircling grooves alternating with encircling nervatures enclosing bands of deeply incised lines; faceted body with pointed tip. No pin-holes. Broken in two pieces; two strike marks. Light green patina with corrosion and incrustations; earth adhering. L. 37.7cm Weight 419g
Close to Pontecagnano 1988, 78–79, pl. 24, type 60A2. Period II. EIA, late.

774. GR 1867.5-8.188. Blacas Collection. Spearhead with conical socket and flame-shaped blade. **Spearheads type 15.** Long, slender blade with slightly angular expansions in the lower part and an incised line parallel to lower edge of blade. Faceted socket ending in a raised cordon decorated with oblique grooves; two lateral pin-holes. Smooth green to brown patina with a little corrosion. L. 29.3cm Weight 267g
See cat. 771. EIA, late. Bibliography: Walters 1899, no. 2788.

775. GR 1867.5-8.189. Blacas Collection. Spearhead with conical socket and flame-shaped blade. **Spearheads type 15.** Long, slender blade with slightly angular lower expansions; faceted socket with two lateral pin-holes. Dull green patina with a little corrosion. L. 26.7cm Weight 354g
See cat. 771. EIA, late. Bibliography: Walters 1899, no. 2787.

776. GR 1975.6-27.38. Found unregistered. Spearhead with conical socket and flame-shaped blade. **Spearheads type 15.** Long, slender blade with slightly rounded lower expansions, long and wide faceted socket with two lateral pin-holes. Small parts missing. Green patina with spots of corrosion. L. 23.2cm Weight 170g
See cat. 771. EIA, late.

Short piece, plain, with flaring upper end, two large pin-holes and rounded point. Light green patina with areas of corrosion. L. 10.5cm Weight 55g
Close to Pontecagnano 1988, 78–79, pl. 24, type 60A1. Period II. EIA, late.

Plain piece, with straight rim, partly missing, one or two pin-holes and pointed tip; traces of wood in the socket. Rough light green patina with black areas and corroded zones. L. 14.9cm Weight 56g
See cat. 778. EIA, late.

See cat. 778. EIA, late.

See cat. 778. EIA, late.

781. PRB WG1129a. Canon W. Greenwell Collection, bought from the Rev. Greville J. Chester. Given by J. Pierpont Morgan in 1909. Calabria. Spearbutt with flattened end. **Spearbutts type 2.** Short piece, plain, with flaring lower end forming a slightly convex circular surface; a single hole below the rim and one lower down. Light green patina with azure incrustations, and areas of corrosion. L. 12.5cm Weight 75g
Close to Pontecagnano 1988, 78–79, pl. 24, type 60C. Period II. EIA, late.
Groups of Associated Artefacts

1. Pair of fibulae, cat. 784 and 785, probably from a tomb; Fibulae type 31.

784. GR 1772.3-18.12. Given by Sir William Hamilton. Fibula with semicircular flat bow with birds and symmetrical catch-plate. Fibulae type 31. Low and wide catch-plate, bow formed by a semicircular plate with two openings and two rows of cast figurines of aquatic birds, probably ducks, inset in holes through plate. The eight birds have upturned beaks, protruding eyes and schematic bodies above a vertical element for attachment. A row of small holes, originally holding small wire loops and bird pendants, along the outer edge of the plate. Small parts missing, one wire loop extant. Dull green to brown patina. L. 12.5cm Weight 112g

See cat. 784.
EIA, late.

2. Pair of bracelets, cat. 786 and 787, probably from a tomb; Bracelets type 4.

786. GR 1814.7-4.706. Bequeathed by R. Payne Knight. Coiled rod bracelet with overlapping ends. Bracelets type 5. Thick rod of uneven roughly plano-convex section (diam. 0.35cm; max. diam. 1.1cm) with ends narrowing and overlapping. Dull green patina. Diam. 9.7cm Weight 175g

See cat. 786.
EIA, late or later.

787. GR 1814.7-4.707. Charles Townley Collection. Bought from Peregrine Townley. ‘Praeneste’ (Palestrina, Rome), Lazio. Coiled double-wire bracelet with ends wrapped together. Bracelets type 4. Associated with cat. 786. Thick wire with round section, doubled to form two parallel strands and hammered to form three coils; at one end, the wires thinned and one wrapped closely around the other. Patchy dark green patina with some corrosion; earth adhering. Diam. 9.3cm Weight 180g

See cat. 638.
EIA, late.
Bibliography: Bailey 1868, 136, figs. 2 and 4.

3. Pair of bracelets, cat. 788 and 789, probably from a tomb; Bracelets type 4.

788. GR 1772.3-7.180. Bought from Sir William Hamilton. Coiled double-wire bracelet with ends wrapped together. Bracelets type 4. Probably pair to cat. 789. Thick wire with round section; diam. 0.35cm, doubled to form two parallel strands and hammered to form one and a half double coils; at one end, the wires thinned and one wrapped closely around the other. Dark green patina with some corrosion. Diam. 9.4cm Weight 130g

See cat. 638.
EIA, late or later.


4. Group of five bracelet-weights, cat. 790–794; Bracelets type 5.

790. GR 1824.4-6.4. Bequeathed by R. Payne Knight. Coiled rod bracelet with overlapping ends. Bracelets type 5. Thick rod of roughly plano-convex section (diam. 0.7cm) with ends narrowing and overlapping. Dull green patina. Diam. 8.2cm Weight 78g

See cat. 646.
EIA, late or later.

791. GR 1824.4-6.3. Bequeathed by R. Payne Knight. Coiled rod bracelet with overlapping ends. Bracelets type 5. Thick rod of uneven roughly plano-convex section (max. diam. 1cm) with ends narrowing and overlapping. Flat ends. Now somewhat distorted. Dull green patina. Diam. 10cm Weight 162g

See cat. 646.
EIA, late or later.

792. GR 1824.4-6.2. Bequeathed by R. Payne Knight. Coiled rod bracelet with overlapping ends. Bracelets type 5. Thick rod of uneven roughly plano-convex section (max. diam. 1cm) with ends narrowing and overlapping. Dull green patina. Diam. 8.5cm Weight 118g

See cat. 646.
EIA, late or later.

793. GR 1824.4-6.5. Bequeathed by R. Payne Knight. Coiled rod bracelet with overlapping ends. Bracelets type 5. Thick rod of roughly plano-convex section (diam. 1.1cm) with ends narrowing and overlapping. Dull green patina. Diam. 9.2cm Weight 179g

See cat. 646.
EIA, late or later.

794. GR 1824.4-6.5. Bequeathed by R. Payne Knight. Coiled rod bracelet with overlapping ends. Bracelets type 5. Thick rod of roughly plano-convex section (diam. 1.1cm) with ends narrowing and overlapping. Dull green patina. Diam. 8.8cm Weight 215g

See cat. 646.
EIA, late or later.
5. Pair of bracelets, cat. 795 and 796, probably from a tomb; Bracelets type 13a.

795. GR 1772.3-7.131. Bought from Sir William Hamilton. Hollow bracelet with overlapping ends. Bracelets type 13a. Beaten and folded bronze sheet with edges meeting at middle of inner face; wider at centre, with plano-convex section. Ends knobbled, with deeply incised decoration on outer face: an X between two groups of transverse parallel lines. Dull green patina with some corrosion. Diam. 9.3cm Weight 118g. See cat. 740. EIA, late.

796. GR 1772.3-7.132. Bought from Sir William Hamilton. Hollow buckle. Bracelets type 13a. Beaten and folded bronze sheet with edges meeting at the middle of the inner face; wider at centre, with plano-convex section. Surviving ends knobbled, with traces of deeply incised decoration on outer face. Almost one half missing. Dull green-black patina. Diam. 9.5cm Weight 68g. See cat. 740. EIA, late.

6. Pair of bracelets, cat. 797 and 798, probably from a tomb; Bracelets type 13c.

797. GR 1887.5-8.212. Blacas Collection. Hollow penannular bracelet. Bracelets type 13c. Beaten bronze sheet with plano-convex section, straight ends, touching, decorated on outer face near ends with groups of three of deeply incised transverse lines. One end and small parts missing. Condition poor with much corrosion. Diam. 4.4cm Weight 64g. Close to Pithekoussai 1993, 511, pl. 151.11, tomb 507.11. LG II. See also Quattro Fontanili 1963, 248, fig. 113.0, tomb LI.12-13.0. Phase IIC. EIA, late or later.

798. GR 1887.5-8.213. Blacas Collection. Hollow penannular bracelet. Bracelets type 13c. Beaten bronze sheet with plano-convex section, straight ends, once touching, decorated on outer face near ends with pairs of deeply incised transverse lines. One end and small parts missing. Condition poor with much corrosion. Diam. 4.4cm Weight 61g. See cat. 797. EIA, late or later.

7. Two spearheads, cat. 799 and 800, part of a group, from a tomb at Bomarzo (Viterbo), Lazio; Spearheads type 15.

799. PRB 1909.3-18.1. Bought from Dr Arthur Evans Collection. Bomarzo (Viterbo), Lazio. Very large spearhead with conical socket and flame-shaped blade. Spearheads type 15. Associated with cat. 800. Thin narrow blade with almost straight lower edges, socket narrow, solid and with diamond shaped section in the blade zone, hollow and faceted in the area below the blade. Traces of decoration of a row of incised triangles along the edges of the blade. Discontinuous olive and dark green patina, with calcareous incrustations. L. 97.4cm Weight 207g. Analysis: Bronze. See D. Hook report. See for the general shape Pontecagnano 1988, 78, pl. 24, type 59B1, 59B2, phase IB. A very close parallel, both in shape and size, is a spearhead from Olympia: see Herrmann 1984, 282, fig. 15 and footnotes 31 and 32. Probably Orientalizing, still close to an EIA model. Bibliography: See Petrie 1917, pl. 38. 84.

800. PRB W. G. 2256. Canon W. Greenwell Collection, bought from Arthur J. Evans. Given by J. Pierpont Morgan in 1909. Bomarzo (Viterbo), Lazio. Very large spearhead with conical socket and flame-shaped blade. Spearheads type 15. Associated with cat. 799. Greenwell recorded this spearhead was found at Bomarzo in the Romagna in a tomb with other similar examples. Thin narrow blade with almost straight lower edges, socket narrow, solid and with diamond shaped section in the blade zone, hollow and faceted in the area below the blade. Decorated with a row of incised hatched triangles along the edges of the blade and the sides of the central rib. Olive and dark green discontinuous patina, with calcareous and ferrous incrustations. L. 97.8cm Weight 895g. See cat. 799. Analysis: Top of blade bronze; tip of blade bronze. See D. Hook report. Probably Orientalizing, still close to an EIA model. Bibliography: Petrie 1917, pl. 38. 84.

Miscellaneous Objects

801. GR 1975.12-3.10. Found unregistered. Horse bit with three-ringed cheek-pieces and outer rings for reins. Snaffle bit with the mouth-piece formed of two canons, each cast with a loop at either end. Canons linked at centre; outer loops attached to annular rings. Each canon encircled by an annular ring, which must have served as cheek-pieces for the attachment of straps to the bridle. Smooth green patina. Though close to Von Hase’s PBF XVI. 1, Zweiringknebel form, nos. 208–210, in which both canons of the mouth-piece are encircled by rings compressed into a figure-of-eight shape, no horse bits with annular rings in this position are quoted in this volume and seem absent in Etruria. Examples of iron horse bits with linked and twisted canons encircled with one or two annular rings are known from Capua (Caserta), Campania, Tomb 573, 8 and 9 and Tomb 456, 7 and 8 (Johannowsky 1983, 129, pl. XXVIII, 15 and 140, pl. XXXVIII, 7 and 8). It may be that this horse bit is one of those mentioned in D’Hancaville’s manuscript description (Manuscript) and thus from Campania. L. 23cm Weight 100g. Close to PBF XVI. 1, Zweiringknebel, nos. 208 and 209, from Veii (Rome), Lazio, with figure-of-eight cheek-pieces. EIA, late.

802. GR 1975.12-3.11. Found unregistered. Horse bit with rings for cheek-pieces and outer rings for reins. Snaffle bit with the mouth-piece formed of two canons, each cast with a loop at either end. Canons linked at centre; outer loops attached to annular rings. Each canon encircled by an annular ring, which must have served as cheek-pieces for the attachment of straps to the bridle. Smooth green patina. Though close to Von Hase’s PBF XVI. 1, Zweiringknebel form, nos. 208–210, in which both canons of the mouth-piece are encircled by rings compressed into a figure-of-eight shape, no horse bits with annular rings in this position are quoted in this volume and seem absent in Etruria. Examples of iron horse bits with linked and twisted canons encircled with one or two annular rings are known from Capua (Caserta), Campania, Tomb 573, 8 and 9 and Tomb 456, 7 and 8 (Johannowsky 1983, 129, pl. XXVIII, 15 and 140, pl. XXXVIII, 7 and 8). It may be that this horse bit is one of those mentioned in D’Hancaville’s manuscript description (Manuscript) and thus from Campania. L. 23cm Weight 100g. Close to PBF XVI. 1, Zweiringknebel, nos. 208 and 209, from Veii (Rome), Lazio, with figure-of-eight cheek-pieces. EIA, late.

803. GR 1890.9-21.18. Bought from Rev. Greville J. Chester. Bologna, Emilia Romagna. Openwork disc with a human figure flanked by birds at centre and three strap attachments on outer edge. Cast whole with back flat. A wiry human figure of uncertain sex stands at the centre of the inner ring and grasps this ring with raised hands; two out-facing birds are joined to the thighs of this figure and to the inner ring. The inner ring is joined at top and bottom to the broader outer ring, which has three loops or slots evenly spaced around the outer edge. Small part of outer rim missing between slots at bottom and one slot broken with part missing. Smooth dull green patina. The form of this unique disc suggests that it served to unite three straps of a horse harness. Though no parallels can be quoted for this disc, it has been suggested that some openwork discs from Tarquinia phase II, associated with horsebits, did serve as parts of horse harness (Hencken 1968, 209, fig. 186 q and r from Tarquinia, Monterozzi (M1), Tomb of the Warrior; see, too, Adam 1984, no. 118). The design of a human figure flanked by birds within the inner ring strongly recalls that of Anderson 1961, 41. As a Roman copy of a Greek oracular model. The design of this unique disc suggests that it served to unite three straps of a horse harness. Though no parallels can be quoted for this disc, it has been suggested that some openwork discs from Tarquinia phase II, associated with horsebits, did serve as parts of horse harness (Hencken 1968, 209, fig. 186 q and r from Tarquinia, Monterozzi (M1), Tomb of the Warrior; see, too, Adam 1984, no. 118). The design of a human figure flanked by birds within the inner ring strongly recalls that of Anderson 1961, 41. As a Roman copy of a Greek oracular model.
sprang from Near Eastern sources (Roes 1933, 18–20; Jacobsthal 1944, 57) and that this was the primary design for these openwork handles, which was followed by a secondary development with a bird or birds only in the central space (Camporeale 1969, 59–60; Rysdod 1985, 59–100). Both forms of design appear on bowls from contexts in Etruria of the later phase of the EIA and continue into the Orientalizing period. An analogy for the central design on this disc appears on a handle of a bowl from Bisenio and the design reached the lower Po Valley, where it may have been the inspiration for this harness disc from Bologna (see below).

Diam. 6.5cm Weight 6.5g

Four openwork handles with similar central design: Paribeni 1928, 439, fig. 7; Villa Giulia 1980, pls. 81–82; Fugazzola Delpino 1984, 146, pl. 57, from Bisenio, Olmo Bello (Capodimonte, Viterbo), Lazio; tomb II; Brizio 1894, 308, fig. 17; Montellus 1895–1910, col. 445, fig. n., from Spadarolo, near Rimini, Emilia Romagna; Montellus 1895–1910, pl. 70.16, from the San Francesco hoard, Bologna, Emilia Romagna. Mainly 8th century bc, deposited 7th century. EIA, late or later. Bibliography: Walters 1899, no. 2855; Macnamara 1990, 10, fig. 7c.


The hammered sheet is almost complete, retaining a deeply curved shape, hooked terminal at one end and holes for attachment to the fabric of the belt at the other end. Broken and mended in antiquity towards one end; fragments at the edges and flanges to hold the belt in place at the attachment end missing. Embossed border of three rows of bosses encircles the whole plaque and a similar row crosses the plaque between the attachment holes and the inner elliptical area. This central area is divided into three zones; the middle zone has nine bosses, set in vertical rows of three, each surrounded by incised circles and with a central punched dot; the bosses of each row are united by intermediary bands of punched dotted herringbone pattern. The three rows of bosses are separated by cross-hatched designs with some triangular spaces hatched and bordered on outer sides by a row of triangles, each with interior diagonal lines and a dot at the apex. Both outer zones have a boss surrounded by diagonally set triangular rays, in turn surrounded by a border with diagonal rows of punched dots. Towards one end, an incised curved bird with a long beak survives. Shallow grooves in rough geometric patterns survive on the back. Smooth green to brown patina. L. 26cm Weight 150g

See cat. 804d.

Close to Quattro Fontanili 1965, 96, fig. 30, tomb EE 12, phase IIA. EIA, late. Bibliography: Walters 1899, no. 377.

806. GR 1848.7–4.105. Charles Townley Collection. Bought from Peregrine Townley. Part of an elliptical belt-plaque. One damaged end and about two thirds of the central part of the thin hammered sheet survives with parts of edge missing. The end is plain with one surviving hole for attachment to the fabric of the belt. The central area once had an embossed border along the sides and across the end formed of four rows of bosses separated and edged by lines of very small bosses; the surviving inner elliptical space is filled with larger bosses of unequal size, surrounded by concentric circles, set vertically in pairs and singly towards the end of the plaque. Rough dark green patina with some corrosion. L. 33cm Weight 95g

See cat. 806.

Italian elliptical belt-plaques only decorated by embossing are unusual, although two somewhat similar examples are known from Riserva del Truglio, Tomb XXX, dating to the late 8th or early 7th century (Roma 1976, 88, pl. 9). The embossed decoration recalls that of sheet bronze objects dating to the Villanovan II period (eg. cup from Tarquinia, Selciatello Sopra, grave 187; Hencken 1968, 150, fig. 137g. Helmet from Bisenzio (Capodimonte, Viterbo), Lazio, Le Bucacce, tomb 1; Hencken 1971, 79, fig. 53). EIA, late or later.
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809. GR 1824.4–98.6. Bequeathed by R. Payne Knight.

‘Campania’. Sheet tube inserted into socketed finial terminating with openwork globe with attached chain. Finial cast with eight bars to ‘bird-cage’ openwork globe and a loop above, through which is threaded a pennannular wire ring of short chain, three rings in length and the outer ring with four coils; socket of finial decorated with three groups of incised encircling lines, divided by spaces with oblique incised lines. Tube, rounded in section, formed of thin hammered sheet, roughly decorated throughout its length with groups of incised encircling lines divided by spaces with oblique lines. Pin-hole for attachment at base; base broken. Dark green to brown patina. L. 35cm Weight 236g

See cat. 810.

Two unpublished examples of similar finials from Suesaola are in the Archaeological Museum of Naples. See also Johannowsky 1983, 101, pl. 8.8, from Capua, Tomb 386. For similar, later finial, from Veturonia (Grosseto), Tuscany, Tomba del Duce, see Camporeale 1967, 50, no. 19, pl. 5d; Bologna 2000, no. 150.

EIA, late.

Bibliography: Walters 1899, no. 380.

810. GR 1824.4–98.8. Bequeathed by R. Payne Knight.

Finial with aquatic bird above openwork globe. Finial cast with six bars to ‘bird-cage’ openwork globe and above a bird with beak somewhat opened; hole in tail of bird, through which is threaded a pennannular wire ring of short chain, three rings in length and three forming the outer link; a length of thin wire is tightly wound round the top of one bar of the ‘bird-cage’. Socket of finial decorated with a series of cast grooves. Dark green patina with shiny areas. L. 13.7cm Weight 192g

Analysis: Craddock 1986, 144.

See cat. 809.

EIA, late.

Bibliography: Kemble 1855, 360, no. 4 and pl. 26.44.

811. GR 1968.6-27.1. Bought from Spinck and Son Ltd with contributions from the National Art Collection Fund and the Ready Bequest.

Crested helmet. Said to be from Vulci (Viterbo), Lazio. The two sides of the oval cap and its crest are made of separate hammered sheets. The two halves are joined at the base by two plates, which overlie and are riveted to both sides of the cap; these rectangular plates have three horizontal, solid, ornamental prongs, recalling rivets. Three rivets with flattened heads join the sheets of the crest at the apex and lower corners and along the outer edge the two sheets of the crest are united by crimping, with the edge of one sheet folded over the edge of the other sheet. On both sides of the cap, the sheets are embossed with five rows of large bosses, separated and bordered by double rows of small bosses and above are embossed representations of a crested helmet between the confronting foreparts of pairs of birds, each motif with a central boss. Along the junction of the cap and crest is a series of punched dotted lines. On both sides of the crest and following its outline are three rows of large bosses separated and bordered by rows of small bosses and between this decoration and the cap are four large bosses surrounded by concentric circles. Three holes near the rim on both sides of the cap were probably intended for the attachment of a leather lining or chin-strap. Break near tip of crest; small part of the rim is missing. Little patina.

H. 35.2cm Diam. at rim 22.5cm Weight 1230g


The Italian helmets of this type form a closely related group, concentrated in southern Etruria, though a few examples were widely dispersed in Italy (Hencken 1971, fig. 51), and fragments of Italian crested helmets with similar decoration are known from Delphi and Olympia (Kilian 1977, 439, fig. 1; von Hase 1975, 64–66, fig. 11.2 and 2; von Hase 1997, 298, fig. 8).

Analogies close in form to this example and with decoration including embossed representations of helmets or the foreparts of birds on the cap and with bosses surrounded by concentric circles upon the inner part of the crest come from Bisenzio, Tarquinia and Veii (see below). This helmet was probably made in southern Etruria (now the province of Viterbo, Lazio), most likely at Tarquinia. Close parallels: Hencken 1971, 59, fig. 53, from Bisenzio, Buccace, tomb 1; Hencken 1968, 339, fig. 339d; Hencken 1971, 86, fig. 60, from Tarquinia, Monterozzi, Pozzo with Crested Helmet with Bird-boat, probably phase IB; Quattro Fontonil 1970, 300, figs. 74–75, tomb AA1.18, phase IB.

EIA, late.

Bibliography: Hencken 1971, 91, figs. 66–67; Sprenger 1977, fig. 1; Stary 1981, no. 1, fig. 1; Macnamera 1990, 10, fig. 78.

812. GR 1928.1-17.2. Given by C.W. Scott. Collection of the late Mrs W.E. Hall.

Biconical vessel with short neck and lid. Upper and lower parts of the vessel are made from separate, hammered sheets, the edge of the upper part passing over that of the lower part at the shoulder of the vessel and the two parts joined by a row of rivets with ornamental conical heads. Some of these rivets also parts joined by a row of rivets with ornamental conical heads. Some of these rivets also separated and bordered by rows of small bosses and between this decoration and the cap are four large bosses surrounded by concentric circles. Three holes near the rim on both sides of the cap were probably intended for the attachment of a leather lining or chin-strap. Break near tip of crest; small part of the rim is missing. Little patina.

H. 35.2cm Diam. at rim 22.5cm Weight 1230g


The Italian helmets of this type form a closely related group, concentrated in southern Etruria, though a few examples were widely dispersed in Italy (Hencken 1971, fig. 51), and fragments of Italian crested helmets with similar decoration are known from Delphi and Olympia (Kilian 1977, 439, fig. 1; von Hase 1975, 64–66, fig. 11.2 and 2; von Hase 1997, 298, fig. 8).

Analogies close in form to this example and with decoration including embossed representations of helmets or the foreparts of birds on the cap and with bosses surrounded by concentric circles upon the inner part of the crest come from Bisenzio, Tarquinia and Veii (see below). This helmet was probably made in southern Etruria (now the province of Viterbo, Lazio), most likely at Tarquinia. Close parallels: Hencken 1971, 59, fig. 53, from Bisenzio, Buccace, tomb 1; Hencken 1968, 339, fig. 339d; Hencken 1971, 86, fig. 60, from Tarquinia, Monterozzi, Pozzo with Crested Helmet with Bird-boat, probably phase IB; Quattro Fontonil 1970, 300, figs. 74–75, tomb AA1.18, phase IB.

EIA, late.

Bibliography: Hencken 1971, 91, figs. 66–67; Sprenger 1977, fig. 1; Stary 1981, no. 1, fig. 1; Macnamera 1990, 10, fig. 78.

813. GR 1772.3-18.10. Given by Sir William Hamilton Band with inest birds.

Band, rectangular in section with squared ends, formed of a very thin bronze ribbon now soldered to a thicker copper backing; tin solder and backing probably modern. Part of the edge of the bronze ribbon decorated with small punched dots. Band pierced along centre by 27 circular holes of unequal diameter, 8 of which still have inset cast figurines of aquatic birds, probably ducks. The birds have upturned beaks, protruding eyes and schematic bodies with below a vertical element for attachment. Five further birds, now detached, may once have been attached to this piece; all are close to those now inset in band, except one lacking protruding eyes and with a hole in the beak.

Light green patina.

Band: L. 38.8cm Width 1.7cm Birds: L. 3.0–3.6cm Weight 124g

Analysis: Bronze strip soldered to copper support. See D. Hook report.

For the birds, see Fibulae type 31, cat. 784 and 785. See also Comstock and Vermeule 1971, no. 333, bird on four-coil fibula from Suessula (Caserta), Campania, with further references. Close to Johannowsky 1983, 140, pl. XXXVIII.6, Capua, Tomb 456.8, row of birds inset on the edge of bronze sheeting. PBVF XVII, I, nos. 120, 121 and 124, row of birds inset along the edge of wheeled incense-burners. Early examples: Osteria dell’Osa 1992, 416 and pl. 49, type 84, period III, late; Veii (Rome), Lazio, Grotta Gramiccia, Tomb 871, periods II–III (Strom 1971, 140–141; Müller-Karpe 1974, 94 and pls. 22.1 and 23.1). An example from France is now in the Ashmolean Museum (Freidin 1980, 320–327; Brown 1980, 26 and pl. 6b).

EIA, late.

Bibliography: Walters 1899, no. 352.
814. GR 1772.3-18.11. Given by Sir William Hamilton. Band with inset birds. Band, rectangular in section, formed of a very thin bronze ribbon now soldered to a thicker copper backing; tin solder and backing probably modern. Edge of bronze ribbon decorated with small punched dots. Band pierced along centre by 11 circular holes of unequal diameter, five of which still have inset cast figurines of aquatic birds, probably ducks. The birds have upturned beaks, protruding eyes and schematic bodies with below a vertical element for attachment. Two further birds of similar form, now detached, may once have been attached to this piece. Broken both ends. Light green patina. Band: L. 16.4cm Width 1.7cm Weight 58g Analysis: Bronze strip soldered to copper support. See D. Hook report. See cat. 813. For wire coils, see cat. 817.17 and 818.9. For birds, see cat. 817.3, 818.3 and 819.4. EIA, late. Bibliography: Kemble 1885, p. 275; Walters 1899, no. 356.

817. GR 1824.4-98.3. Bequeathed by R. Payne Knight. Parts from a 19th-century paste-riche. Campania. 1 – Upper disc, modern (Diam. 12.3cm). 2 – Cast figurine of horned bird (L. 6.4cm); bird, probably a duck, inset at centre of modern disc (1). Bird with broad, flattened beak, curved horns, one broken near head, plump body with below a vertical element for attachment. Chains suspended from small flanges below beak and horns; chains below beak and left horn have three links: one broken link suspended below right horn. Dark green patina. 3 and 4 – Six cast figurines of aquatic birds (L. 3.4–3.7cm), probably ducks, inset in modern disc (1). One example (3) inset near central horned bird and the other five examples (4) inset round edge of disc. The birds have upturned beaks, all pierced with a hole, eyes hardly indicated, schematic bodies with below vertical elements for attachment. Three birds still have chains suspended from their beaks; chains formed of attachment ring, one link and outer coil of two circuits. Dark green patina. 5a – Modern attachment wire for suspension from upper disc (1). 5b – Four globular white glass-paste beads (Diam. 1.1cm). 5c – Four segments of coiled wire, triangular in section, forming a conical tube (saltalene) (L. 4cm). Dark green patina. 5d – Four globular beads, like 5b (Diam. 1.7cm). 6a – Modern attachment wire for suspension from upper disc (1). 6b – Four segments of coiled wire, triangular in section, forming a conical tube (saltalene) (L. 4cm). Dark green patina. 6c – Four globular beads, like 5b (Diam. 1.1cm). 7 – Thin ring with ends bent to S form, once attached to underside of upper disc (L. 10.4cm); five circular holes in central part, smaller hole at either end with chain of three links suspended. Dark green patina. 8a – Modern attachment wire for suspension from upper disc (1) and attached to lower disc (9). 8b – Four ‘buds’ (H. c.2.4cm; W. 3.6–4cm), each with four petals, cut and curved from a hammered sheet. Circular hole at centre of base. Dark green patina. 8c – Four globular beads, like 5b (Diam. 1.1cm). 8d – Four segments of coiled wire, triangular in section, forming a conical tube (saltalene) (L. 11cm). Dark green patina. 8e – Four ‘buds’ (H. c.2.4cm; W. 3.6–4cm), each with four petals cut and curved from a hammered sheet. Petals of two ‘buds’ have serrated edges. Circular hole at centre of base. Dark green patina. 8f – Four globular beads, like 5b (Diam. 1.1cm). 8g – Four segments of coiled wire, triangular in section, forming a conical tube (saltalene) (L.12cm). Dark green patina.

8h – Four ‘buds’ (H. c.2.4cm; W. 3.6–4cm), each with four petals cut and curved from a hammered sheet. Circular hole at centre of base. Dark green patina. 8i – Four globular beads, like 5b (Diam. 1.1cm). 9 – Lower disc, modern (Diam. 25cm). 10 – Curved band, perhaps modern (W. 0.8cm), attached by modern rivets to lower disc (9). Broken in places, ends sometimes overlapping and held in place by rivets or attachment elements of inset birds but details masked by overlying decorative elements. Band pierced by circular holes. Dark green patina. 11 – Ten cast figurines of aquatic birds (L. 3.3cm), probably ducks, inset in holes of band (10) but not through disc (9). Birds have upturned beaks, all pierced by a hole, some have eyes lightly indicated and one has protruding eyes, bodies schematic with a vertical element below for attachment. Three birds still have links or chains suspended from the bead; complete chain has attachment ring, one link and outer coil of two circuits. Dark green patina. 12a – Modern wire attaching 12b and 12c to lower disc (9). 12b – Six ‘buds’ (H. c.2.4cm; W. 3.6–4cm), each with four petals, cut and curved from a hammered sheet. Circular hole at centre of base. Dark green patina. 12c – Six globular beads, like 5b. 13 – Group of two yoked oxen inset through holes in disc (9). Cast schematic elongated bodies (L. 10.2cm), straight legs and tails, protruding eyes, wide curved horns; loop of thin wire attached to inner horn of one animal. Yoke of thin hammered ribbon, vertical at centre and with a central hole, and twisted at ends to fit horizontally over the necks of oxen; on either side of necks, holes in yoke, through which are threaded the ends of collars, also thin hammered ribbons, which pass under the necks of each animal. Yoke perhaps restored in antiquity, small parts missing. Dark green patina. 14 – Two cast human figurines (H. 6.5cm); schematic male body, with prominent breasts, heads with protruding facial features and eyes, nose and wide mouth indicated, protruding ears. Straight legs ending in a small plate, outstretched arms, flattened and curled at the ends. Base of dowel on top of head. Small parts missing. Dark green patina. 15 – Four cast human figurines standing on ‘sun-boats’ (H. 6cm; Weight of detached example 355g). Boat consists of slightly curved rod of circular section, with a small knob for attachment in the middle of the underside and with schematic bird’s head at either end, all with a hole in their beaks for the suspension of chains; six chains survive and consist of an attachment ring, a link and an outer coil of two circuits. Schematic human figures, probably female, with straight legs and curved arms, the right arm raised to the head (possibly indicating mourning), the left arm resting on the hip; head with schematic elongated facial features with chains suspended from holes in the ears; chains consist of an attachment ring, a link and outer coil, all but one of which survive and possibly represent ear-rings; small pierced flange at back of neck from which are suspended chains of three links and an outer coil. Small parts missing. Dark green patina. 16 – Two triangular pendants (H. 2cm); cast in...
one-piece mould; base consisting of a horizontal band decorated with four parallel grooves; five small holes along lower edge and a curved feature protruding on either side, with a hole at the end for the suspension of a chain. Upper part in openwork with a ring at the top. Small parts missing. Dark green patina.

17 – Nine, once ten spirals of wire (Diam. 3.5–4.2cm). As a similar in section and diminishing in circumference towards the centre. Outer ends flattened flanges pierced by holes for attachment. Now soldered to underside of disc (19). Parts missing. Dark green patina. **Analysis:** Lower disc low tin bronze; strip on lower disc bronze; mid-burn bronze; lower burn bronze. See D. Hook report. Parallels for *cat. 817.*

2 – Horned bird: probably from a four-coil fibula. See *cat. 627 and 628, Fibulae type 58 and cat. 819.*

3 and 4 – Aquatic birds with pierced beak: close to those from two parade disc fibulae from Capua, tomb 368, Johannowsky 1994, pl. 44, b and PBF XIV, forthcoming, LVI.1 (2 fig. C, no. 8085; LVI.1 (3) D. nos. 8085b and 8085c. See also Cerchiai 2002, 146, fig. 5, bird figurine from Mazzola (Ischia), ‘quartiere industriale’. Similar birds also from *cat. 816, 818.3 and 819.*

5b–d, 6c, 8f, 8i, 12c – Glass paste beads. Many unpublished examples from Suessula in Naples Archaeological Museum.

5c, 6b, 8d and 8g – Segments of coiled wire (saltpetre) of elongated conical shape; see Johannowsky 1994, 97, stating that similar ornaments belonged to the two largest parade fibulae from Capua tomb 368. See for general parallels, **Ornamentals, cat. 275.**

8b, 8e, 8h and 12b – ‘Buds’. Several unpublished examples from Suessula in Naples Archaeological Museum. Jurgeit 1999, 593, no. 1012, probably from Suessula; Jurgeit quotes an example attached to a fibula (Berlin 1988, A3-23). Johannowsky 1994, 97, pl. 2c, states that 10 buds (‘cruciform flowers’) belonged to the two major parade fibulae from Capua tomb 368. See for general parallels.

13 – Yoked oxen: similar (not identical) figurines on the same two parade fibulae from Capua, tomb 368; see Johannowsky and PBF XIV, forthcoming, above.

See, too, bull inset on the backing-plate of a fibula from Perugia (Umbria), probably an import from Campania: Sundwall 1943, 257, fig. 436. See *cat. 818.4.*

14 – Human figurines. Close, but not identical, to figurines from one of the parade fibulae from Capua, tomb 368 quoted above. See PBF XIV, forthcoming, LVI.2 (453-2.C, no. 8085. See also *cat. 818.6.*

15 – Human figurines standing on ‘sun-boats’. See Johannowsky 1994, pl. 4b, similar figurines from two parade fibulae from Capua, tomb 368. See also the figurine inset on the backing-plate of a fibula from Suessula: von Duhn 1887, 250, fig. 19.8. Similar to unpublished examples from Suessula (Naples Archaeological Museum), including one with inset birds and pendants, terminating in two out-facing birds, like *cat. 356.*

17 – Spirals. See Johannowsky 1994, for similar spirals attached to four-coil fibulae and parade fibulae. See also *cat. 816 and 818.*

Though they are modern parts, there can be no doubt that the design of this 19th-century pastiche, and that of *cat. 818 discussed below, was inspired by that of the parade disc fibulae known from Suessula and Capua (see Johannowsky 1994, 94–98 and pls. 4 and 5; PBF XIV forthcoming nos. 8085, 8085b and 8085c). The large discs of these objects are inset with figurines imitating birds, human figurines standing on ‘sunboats’, and aquatic birds; they also have spirals attached at the rim.

*Cat. 817* was reconstructed very imaginatively, with the upper attachments added, though these elements were created chiefly of parts known to have been included in parade disc fibulae and other contemporary forms.


**818.**

GR 1824.4-98.4. Bequeathed by R. Payne Knight.

Parts from a 19th-century pastiche. Campania.

1 – Modern disc (Diam. 25.5–26.2cm). Surface residue of solder and green paint.

2 – Curved band, perhaps modern (W. 0.8cm) attached by five modern rivets to circumference of disc (1). Broken in four places, sometimes with ends overlapping and held in place by rivets or the attachment elements of inset birds. Band pierced by 25 circular holes. Dark green.

3 – Seventeen cast figurines of aquatic birds (L. 3.5cm), probably ducks, inset in holes of band (2) but not through disc (1). Birds have upturned beaks, all pierced with a hole, eyes hardly indicated, schematic bodies with below a vertical element for attachment. Six birds still have rings or chains suspended from their beaks; chains formed of attachment ring, a link and outer coil of two circuits. Small parts missing. Dark green patina.

4 – Group of two yoked oxen inset through holes in disc (1). Cast schematic, elongated bodies (L. 10cm), straight legs and tails, protruding eyes and wide, curved horns; loop of thin wire attached to outer horn of both oxen. Yoke of thin hammered ribbon, vertical at centre with central hole and twisted at ends to fit horizontally over necks of oxen and on either side of neck holes in yoke, through which are threaded the ends of collars, also thin hammered ribbons, which pass under the neck of each animal. End of yoke detached; small parts missing. Dark green patina.

5 – Pin-like element (L. 10.6cm), perhaps representing a plough-shaft, inserted through the central hole of the yoke. Front end pierced and threaded with a loop of thin wire. Dark green patina.

6 – Two cast human figurines (H. 6.5 and 6.8cm: Weight 48 and 59g); schematic male body, with prominent breasts, head with protruding facial features and eyes, nose and wide mouth indicated, protruding ears. Straight legs ending in a small, flat plate, outstretched curved arms, flattened and curled at ends. Base of dowel on top of head. Small parts missing. Dark green patina.

7 – Four cast human figurines standing on ‘sun-boats’ (H. 4.5–5.1cm: Weight 32–34g). Boat consists of a slightly curved rod of circular section, with a small knob for attachment in the middle of the underside and with schematic birds’ heads at either end, all with a hole in their beaks for the suspension of chains; only two chains survive and consist of an attachment ring, a link and outer coil of two circuits. Schematic human figurines; probably female, with straight legs and curved arms, the right arm raised to the head (possibly indicating mourning), the left arm resting on the hip: head with schematic protruding facial features with chains suspended from holes in the ears, all of which survive and possibly represent ear-rings; small pierced flange at back of neck from which are suspended chains of three links and an outer coil; two of these chains survive whole. Dark green patina.

8 – Two triangular pendants of slightly differing size (H. 6.5 and 7cm: Weight 54 and 70g); cast in one-piece moulds; base consisting of a horizontal band decorated with four or five parallel grooves; five small holes along lower edge and a curved feature protruding on either side, with a hole at the end for the suspension of a chain. Upper part in openwork with a ring at the top. Incised decoration; oblique marks along lateral protrusions and on sides of upper part. Small parts missing. Dark green patina.

9 – Ten spirals of wire (Diam. 3.8–4.2cm), circular in section and diminishing in circumference towards centre. Outer ends flattened flanges, probably all once pierced for attachment. Now soldered to underside of disc (1). Dark green patina.

**Analysis:** Disc copper; strip bronze; rivet gunmetal; oxen bronze; pendant bronze; androgynous figure bronze; male figure bronze; bird bronze. See D. Hook report.

Parallels for *cat. 818.*

General, see *cat. 87 for references.*

3 – Aquatic birds, *cat. 87.3 and cat. 87.4.*

4 – Yoked oxen, close to *cat. 817.13, see for references.*

6 – Human figurines, close to *cat. 817.14, see for references.*

7 – Human figurines on ‘sun-boats’, close to *cat. 87.15, see for references.*

8 – Pendants, close to *cat. 817.16, see for references.*

9 – Spirals, close to *cat. 817.17, see for references.*

**819.**

GR 1824.4-98.5. Bequeathed by R. Payne Knight.

Parts from a 19th-century pastiche.

1 – Modern disc (Diam. 10cm)

2 – Backing-plate (L. 13.2cm) of a four-coil fibula; violin-bow shape, upper side flat,
Bietti Sestieri and Macnamara

slightly widening at centre, two-coil spring, rectangular in section, symmetrical catch-plate. Three circular holes in upper side with horned bird inset in central hole. Small parts missing. Dark green patina.

3 - Cast figurine of horned bird (L. 6cm); bird probably a duck with broad, flattened beak, curved horns and plump body with below a vertical element for attachment. Chains, all with attachment ring, one link and outer coil of two circuits. Small parts missing. Dark green patina.

4 - Ten cast figurines of aquatic birds, probably ducks (L. 3.6–3.6cm): the birds have up-turned beaks, all pierced with a hole, schematic body, probably a duck with broad, flattened beak, all with attachment ring, one link and outer coil of two circuits. Small parts missing. Dark green patina.

5 - Eight globular glass-paste beads (Diam. 1cm), attached to modern disc (1) by wire, probably modern, with wire ring attached at upper end. Parallels for cast, 819.

2 and 3 - See cat. 627 and 628, Fibulae type 58 (four-coil fibula with horned bird) and cat. 817.2. Both 2 and 4 probably from fibulae of this type.

4 - See cat. 817, 817.4, for similar figurines of aquatic birds; see for references.

EIA, later. Bibliography: Kemble 1855, 360, pl. 27; Walters 1899, no. 339; Morel 1904, pl. 21.6. From the style, proportions and attitude, from tomb 78.1 (Pasqui 1888, vol. 1, pl. 15, fig. 1). Two identical figurines are mentioned from Tomb 17,18,19, from La Motta near Francavilla Marittima (De la Genière 1902, 113 pl. 13,2); from Torano (De la Genière 1968, 83, pl. 65; Peroni 1987, 128, fig. 104). See Frasca 1992 for further references.

Apart from the magnificent series of cast bronze figurines from Sardinia (Lilli 1966) Italy has no sustained tradition of casting small figurines, either singly or in groups, until the later EIA. Then, there appear a number of examples of bronze pendants or amulets in the form of linked human couples, found mainly in Calabria and Sicily, which might have been inspired by east Mediterranean originals. Towards the end of the EIA, both groups and individual bronze figurines of humans and of animals are known (see cat. 817, 818, 821 and 822): many of the earlier of these examples come from Campania and it seems likely the origin of their style was influenced by that of the contemporary Greek world (Macnamara 2002, 169). EIA, late. Bibliography: Walters 1899, no. 339; Kilian 1966, pl. 8.2.

821. GR 1772.3–5.22. Bought from Sir William Hamilton Figurine of wolf carrying a small animal in its mouth. The cast figurine, probably representing a wolf, has an animal of prey, perhaps a lamb, held between its jaws. The jaws are long and widely opened to hold the small, plump animal, the head only sketched and with all its legs broken off. The larger animal has eyes indicated by punched dots surrounded by circles, lightly incised lines on the forehead and pricked ears; the body is sturdy with male genitals shown, the tail is curved downwards and the legs, one partly missing, end in feet with canine pads. A vertical hole between the shoulders may indicate the figurine was mounted upon an upright pin. Dull green patina with some surface pitting. L. 7.8cm Weight 105g Analysis: Craddock 1986, 144. This figurine has been believed to belong to a group of bronzes said to have been found at Lucera in 1800 by Cavallere Bonghi (Gerhard 1830, 15) and illustrated by Gerhard (Gerhard 1840, vol. 1, pl. 15, fig. 15). The group included figurines of men and animals with peg feet, a pierced disc of sheet bronze and three pairs of wheels, embellished with animal’s heads and struts rising above. Many of these bronzes were bought in Naples and subsequently acquired by W.Y. Wylie in Rome in 1865–66; Wylie donated them to the Ashmolean Museum, Oxford, where they remain (Garrucci 1867, 275–282; Brown 1980, 29, pl. 9). These bronzes were the subject of an exhibition and seminar held at Lucera (Pietropaolo 2002). However, the bronzes in the Ashmolean do not include a wolf with a small animal in its mouth, which was included among Gerhard’s drawings of the bronzes from Lucera, and the whereabouts of the figurine of a wolf has remained in doubt. Some authors have accepted the example in the British Museum to be that illustrated by Gerhard (Wylie in Garrucci 1867, 278, note 8; Petersen 1897, 5, fig. 2; Walters 1899, 58, no. 394), while others, though noting its similarity of style, have expressed doubts of this identification (Hill 1956, 35, footnote 4). The British Museum figurine reached the Museum before 1778, when D’Hancarville described many pieces in the Hamilton collection, including this figurine of a wolf (Manuscript, vol. 1, 308), and thus before the Lucera bronze were said to have been found; nor does the wolf in Gerhard’s drawing correspond in detail with the British Museum example, which has an open jaw, male genitals and canine padded feet, not suitable for fixing into holes of a bronze sheet like those of the Ashmolean figurines. Thus the British Museum figurine cannot be accepted as once belonging to the Lucera group and it is now seen that a similar figurine of a wolf with an animal in its mouth, now in the Ortiz Collection, is the missing Lucera example (Ortiz 1993, no. 187; Vickers 2002, 74–75).

Though not from a composite group once attached to a bronze sheet, like the Lucera group or the figurines of the pastiches, discussed in this catalogue (see cat. 817 and 818 above), nevertheless this figurine is in a similar style and in all probability from Campania. If indeed it is a single piece, then it may have been a votive dedication, perhaps as has been suggested for the Lucera group, a votive to do with the welfare of flocks and their protection from wolves. EIA, late. Bibliography: Walters 1899, no. 394.

822. GR 1912.11.25–51. Bought from Léon Morel (Morel 34). Standing male figurine. Cast. The large head is poorly modelled with protruding facial features, the nose and mouth lightly indicated, neck thick, long torso, well-formed legs bent at the knee and small feet. Wiry arms; the right hand clutches the prominent penis, while the left arm is raised with the hand resting on the side of the head. Green patina with brown areas.

From the style, proportions and attitude, Richardson included this figurine in her Archaic II phase, when Greek Geometric models influenced Italic figurines. L. 6.2cm Weight 32g EIA, late or later. Bibliography: Richardson 1962, 172, fig. 24.
Plate 111  Axes type 42: 491 Lake Trasimeno (Perugia), Umbria. - 492. Axes type 52: 493.
Plate 112  *Axes type 55:* - 494. *Axes type 56:* - 495. *Axes type 57:* - 496 Fondi (Latina), Lazio. - 497
Close to Axes type 60: - 503. - 504.
Plate 114  Axes type 61: - 505 Talamone (Grosseto), Tuscany. - 506 Orvieto, Umbria. - 507. - 508.

220 Prehistoric Metal Artefacts from Italy (3500–720 BC) in the British Museum
Plate 117  Knives type 9: - 518 - 519 Palestrina (Rome), Lazio.
Plate 119  
**Razors type 15:** - 524 Chiusi, Tuscany. **Razors type 16:** - 525 - 526. - 527. - 528 'Etruria'.

Prehistoric Metal Artefacts from Italy (3500–720bc) in the British Museum
Plate 128  Fibulae type 26: 581. Fibulae type 27: 582. 583. 584. 585 Athens, Greece.
Plate 133  Fibulae type 55: - 613 Ruvo (Bari), Apulia. - 614. Probably Fibulae type 55: - 615.
Plate 134  See Fibulae type 55: - 616. - 617 Naples, Campania. - 618.
Plate 135  See Fibulae type 55: - 619 Torre Annunziata (Naples), Campania. - 620 Torre Annunziata. - 621 Torre Annunziata. - 622.
Fibulae type 54 or 55: - 623 Ruvo (Bari), Apulia.
Plate 139  Bracelets type 4: - 638. - 639. - 640. All at scale 1:1.

244 | Prehistoric Metal Artefacts from Italy (3500–720BC) in the British Museum
Plate 140  Bracelets type 4: - 641. - 642. - 643. - 644 Armento (Potenza), Basilicata.
Prehistoric Metal Artefacts from Italy (3500–720BC) in the British Museum

Early Iron Age, Late

Plate 144  Bracelets type 10a: - 662. - 663. - 664. - 665. All at scale 1:1.
Plate 146  Bracelets type 12a: 670 - 671 - 672 - 673 - 674 - 675 - 676.
Plate 154  Swords type 9a: - 743 Locri (Reggio Calabria), Calabria. Sheaths type 3: - 744 Locri (Reggio Calabria), Calabria.
Plate 155  Swords type 9b: - 745. - 746 Sticna, Slovenia.

260 | Prehistoric Metal Artefacts from Italy (3500–720BC) in the British Museum
Plate 159  Spearheads type 4: - 757. Spearheads type 4 variant: - 758.
Plate 160  Spearheads type 6: - 759. Spearheads type 6 variant: -760.
Plate 161  Spearheads type 7: - 761, 762 Arezzo, Tuscany. - 763 Olympia, Greece.

Prehistoric Metal Artefacts from Italy (3500–720 BC) in the British Museum
Plate 162  Spearheads type 7: - 765. Spear-butts type 5: - 766.
Plate 163  Spearheads type 12: - 767.-768.
Plate 164  Spearheads type 12: - 769. - 770 Capua (Caserta), Campania.
Plate 166  Spearheads type 15. - 774. - 775.
Plate 167  Spearheads type 15: - 776. - 777 Capua (Caserta), Campania.
Plate 169  Group of two associated artefacts. Fibulae type 31: - 784. - 785.
Plate 170  Group of two associated artifacts, Palestrina (Rome), Lazio. **Bracelets type 4:** - 786. - 787. Group of two associated artifacts. **Bracelets type 4:** - 788. - 789.
Plate 171  Group of five associated artefacts. **Bracelets type 5**: - 790. - 791. - 792. - 793. - 794. All at Scale 1:1.
Plate 173  Group of two associated artefacts, Bomarzo (Viterbo), Lazio. Spearheads type 15: - 799. - 800.

278 | Prehistoric Metal Artefacts from Italy (3500–720bc) in the British Museum
Plate 176  Belt plaques: - 805. - 806.
Plate 177  Openwork disc: 807 Caserta, Campania. Armour disc: 808 Perugia, Umbria.
Plate 178  Tube with finial: - 809 Campania. Finial: - 810.
Plates 179  Villanovan helmet: 811 probably Vulci (Viterbo), Lazio.
Plate 180  Villanovan helmet: 811 probably Vulci (Viterbo), Lazio.
Plate 182  Lid of Biconical Vessel - 812.
Plate 183  Band with inset birds: - 813. - 814. - 815.
Plate 184  Band with inset birds and attached coils: - 816.
Plate 185  Pastiche: - 817 Campania.
Plate 189  Pastiche: 817 (detail). Objects from the upper decorative elements.
Plate 190  *Pastiche*: 817 (detail). Objects from the lower decorative elements.
Plate 191  *Pastiche*: - 818 Campania.
Plate 194  Pastiche: -818 (detail). Decorative elements.
Plate 195  Pastiche: - 819.

300 | Prehistoric Metal Artefacts from Italy (3500–720 BC) in the British Museum
Plate 197  Figurines: - 820. - 821. - 822. All at scale 1:1.
Unclassified Objects

Axe blade, probably from a winged axe. Axes unclassified.

L. 3.6cm Weight 20g
Analysis: Bronze. See D. Hook report.
See cat. 826.
FBA or EIA.

Bibliography: Bietti Sestieri 2004, 28 and fig. 2-4.

823.
PRB 1883.8-2.6. Given by Sir A.W. Franks.
Naples, Campania.

Axe blade, probably from a winged axe. Axes unclassified.
Small trapezoidal slightly flaring blade, probably reworked, with upper end slightly dished, cutting edge nearly straight. Smooth blackish patina.
L. 5.8cm Weight 62g
Analysis: Bronze. See D. Hook report.

824.
PRB Old Acquisition 101. Registered OA on 19 July 1939.

Axe blade. Axes unclassified.
Narrow flaring blade with faceted sides and round cutting edge. Smooth dark green patina.
L. 10.3cm Weight 179g

Tools

825.

Axe blade? Tools unclassified.
Very wide, trapezoidal, with strongly curved cutting edge; surface curved at joint to the shaft. Thick dull patina, bright green, discontinuous.
L. 9.8cm W. 12.7cm Weight 539g
Analysis: Copper. See D. Hook report.
Probably CA, but no precise parallels found.

826.

Given by the Wellcome Trustees.

Tip of chisel blade. Chisels unclassified.
Tip of blade of a chisel, broken in antiquity: rectangular section, cutting edge slightly curved. Discontinuous patina, brown and light green.
L. 2.4cm Weight 17g
See cat. 103, 104, and 182.
FBA or EIA.

827.

Terni, Umbria.

Tip of chisel blade. Chisels unclassified.
Tip of a chisel, possibly broken and reshaped in antiquity. Rod with square section, cutting edge blunt and curved. Shiny patina, dark green to black.
L. 3.6cm Weight 20g
Analysis: Bronze. See D. Hook report.
See cat. 826.
FBA or EIA.

Bibliography: Bietti Sestieri 2004, 28 and fig. 2-4.

Bracelets

828.
GR 1886.3-9.6. Given by Sir Henry Layard.
Sesto Calende (Varese), Lombardy, near a tomb.
Coiled wire bracelet. Bracelets unclassified.
Wire of round section, hammered to form one and a half circular coils extant, ends slightly diminished. Broken in two fragments, one end missing. Green patina with some corrosion. Diam. 5.5cm Weight 14g
Probably EIA, late.

829.
GR 1867.5-8.216 and 217. Blacas Collection.
Coiled thick wire bracelet. Bracelets unclassified.
Segments of a bracelet: thick wire coils of rectangular section and even diameter (diam. 0.4cm.). Broken at centre and at both ends. Dull green patina with some corrosion and heavy incrustations.
Diam. 8cm Weight 129g
See cat. 828.

Swords

830.

Sword with cast hilt ending in opposed spirals (antennae sword). Swords type 12?
Thick-sectioned weapon; pommel with high conical central spur, coils of spirals made of thick bronze ribbon; solid hilt with central part swelling decorated with two raised encircling bands; rounded shoulder cap with two rivets; blade narrower than the shoulders, with curved edges, rounded tip, and diamond-shaped section with central swelling. Decoration: two pairs of grooves along the central part of the blade. Dull green patina with some corrosion. Blade edges heavily damaged.
L. 51.4cm Weight 1047g
Analysis: Gunmetal. See D. Hook report. The copper-tin-zinc alloy of this sword, as well as the casting in one piece, strongly indicate that it is a modern fake.
Similar to PBF IV. 1, no. 330, from Lake Sirio (Ivrea), Piedmont. Zürich type, EIA. Not a very close parallel. EIA or fake.

831.
Point of a sword blade. Swords unclassified.
Section with central part raised, separated from the cutting edges by a slight step. Point hammered, cutting edges damaged. Modern break. Blackish patina.
L. 12.9cm Width 2.7cm Weight 91g
Blade section: see eg PBF IV. 1, nos. 113, 116, from Aquileia (Udine), Friuli-Venezia Giulia, and Manaccora (Foggia), Apulia. Type Sacile, MBA–LBA transition.

Spearheads

832.
GR 1842.7-28.682. Bought from Mr Burgon.
Rome, Lazio.

Javelin-head with conical socket and foliate blade. Spearheads unclassified.
Upper part of the blade missing; narrow blade with rounded profile; socket faceted in blade zone and widening towards the base with two lateral pin-holes. Incised line along the edges of the blade. Dull green patina with heavy corrosion.
L. 10.7cm Weight 86g
Bibliography: Walters 1899, no. 2782.

833.
GR 1867.5-8.143. Blacas Collection.

Spearhead, miniature? Unclassified.
Foliate blade, shaft broken near blade. Dark green patina.
L. 3.3cm Weight 2g

834.
GR 1916.6-1.22. Given by Lord Avebury.
Perugia, Umbria.

Point of spearhead. Spearheads unclassified.
Solid, blunt, one patina of a spear blade, probably re-used as an arrowhead. Smooth green patina.
L. 4.1cm Weight 13g

835.
GR 1772.3-3.1000. Bought from Sir William Hamilton.

Conical socket of a spearhead. Spearheads unclassified.
Socket cut from base of the blade. Two lateral pin-holes, one surrounded by cruciform incisions and the other by six irregular radial incisions. Dull green patina.
L. 10.2cm Weight 18g

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Arrowheads


837. PRB W. G. 1157. Canon W. Greenwell Collection, bought from the Rev. Greville J. Chester. Given by J. Pierpont Morgan in 1909. Cuma (Naples), Campania. Tanged arrowhead. Arrowheads unclassified. Tang with circular section, which becomes a nervature on the blade; blade triangular with parts missing. Smooth dark green patina. L. 5.3cm Weight 8g. No precise or well-dated parallels found; see for example Montelius 1895–1910, 602 pl. 126.10, from Bisenti (Teramo), Abruzzo, pl. 126.18, from Norcia (Perugia) Umbria, Collezione Bellucci. Possibly EIA.
Plate 199  Unclassified objects. **Swords**: Close to **Swords type 12**: - 830. **Unclassified**: - 831.