

ex Instituto Archaeologico Universitatis de Rolando Eötvös nominatae







Dissertationes Archaeologicae

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An exceptional Sarmatian cast medallion with star and crescent

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Abstract: An exceptional find of a so-called Sarmatian coin imitation in the form of a lead amulet came to light at Martfű. The obverse is decorated with a bust facing left, the reverse with the usual crescent and star motif. The piece is cast with a loop and an elaborate frame decoration with segmented rims resembling Roman disc fibulae that were popular with the Sarmatians. These types of coins have so far been known only as pierced or looped copper alloy coins primarily from in the Middle Tisza region, although finds outside the Carpathian Basin have also been recently discovered. This new elaborate piece sheds new light on the role and significance of the Sarmatian coin imitations in their society.

Keywords: medallion, Sarmatian, coinage, imitation, amulet

The number of metal objects from identified find spots has increased considerably in Jász-Nagykun-Szolnok County, thanks to the ever-growing number of metal detectorists working with the museums in recent years. The project is headed by Péter F. Kovács of the Damjanich János Museum in Szolnok and András Gulyás of the Jász Múzeum in Jászberény. The number of Roman coins in recent years has grown by several hundred pieces, making a considerable addition to our previous knowledge of this area.¹ The territory of Jász-Nagykun-Szolnok County has a surprisingly long history of systematic coin collecting thanks to the excellent work of V. Hild published by A. Vaday.² Although the pieces themselves are now dispersed, his detailed descriptions make their identification possible.³ Hild primarily collected his material from the Jászság region, near the Devil's Dykes (Csörsz-árok), which explains the large concentration of Roman coins. The most recent metal detectorist activity coordinated by the two local museums supports previously observed tendencies in the Hungarian Barbaricum that show larger amounts of coins in the 2nd c. and under the Constantinian dynasty. However, new data also show higher numbers for the sole reign of Gallienus, the first tetrarchy and the Valentinianic dynasty, previously underrepresented periods.⁴

In September 2020, this knowledge was further augmented by a unique find made by Zoltán Dávid, an active and fortunate member of the team that, due to its rarity and quality, immediately caught everyone's attention. It was discovered at Martfű-Csesz-dűlő south of Szolnok, next to the Tisza River, but nothing more is known about its context.

¹ Juhász 2021.

² VADAY 1975.

³ Their reidentification according to the newest catalogues can be found in the Ancient Coins East of the Danube database: http://barbaricoin.elte.hu/AFE_HU/ (last access: 7. 12. 2021).

⁴ JUHÁSZ 2021, 111–112. Further recent finds along the Devil's Dykes are based on I. Steuer's work the results of which he was kind enough to share with me, for which I am grateful to him.



Fig. 1. Sarmatian cast medallion from Martfű-Csesz-dűlő.

The find itself is a medallion measuring 24.46 mm in diameter with a 3.77 mm loop at the top and weighing 6.17 g (Fig. 1). The entire object is cast in one piece and has a decorative frame consisting of three sections. The outer one is made up of 14 concentric circles placed at approximately equal distances, the gaps next to the loop being somewhat bigger. The casting burrs next to the circles are clearly visible. In some cases, at 2h and 9h the casting deficiencies are presented as small orbs on the circles. The second decorative part is a ribbed band resembling the ones on Roman coins at the edge of the die, which can frequently be seen on coins made into jewellery, where unworn pieces were selected.⁵ This is followed by the innermost plain circle. The obverse itself depicts a bust facing left wearing a diadem, the bands of which are clearly visible behind the head ending in circles. The lower one even shows a small point in the middle just like the concentric circles on the outer decoration of the medallion and the O-s of the legend. The neck ends in a flat torso indicating a draped bust resembling the ones on 2nd and 3rd c. gold and silver coins. The legend consists of unevenly placed I and O letters. The reverse depicts the same mounting, but with two concentric lines next to the ribbed band rather than one. This was made possible by the smaller motif of a star and crescent ending in two dots and the shorter OOIOO legend. The latter is neatly emplaced, continuing in the line of the crescent. The loop consists of six relief bands resembling a spiral with the burr on top.

Unfortunately, the surface is attacked by a yellowish-brown material deteriorating the otherwise nice dark grey medallion. Consulting with conservator-restorer, Emma Sz. Horváth, we initially thought it to be tin pest, although its dark colour indicated a high level of lead. The object was then analysed with an Olympus Vanta handheld EDXRF C series device by Dr. Anna Vihart at the Hungarian University of Fine Arts. The results revealed that it contains 97.47% lead and 1.64% phosphorus, all the other impurities (Sb, Fe, Bi) being below 0.2%. This led to mixed emotions, since on the one hand, it was obvious that it could not be tin pest, but on the other, the cause of the deterioration was left unaswered.

The medallion's obverse and reverse depiction belong to a group of coin imitations primarily found in the Great Hungarian Plain. These were first identified by Ö. Gohl, who linked them to the Sarmatians based on their find spots and distinctly non-Roman style.⁶ Common for all of them is that

6 Gohl distinguished two groups, the first incorporating the imitations based on various 3rd and 4th c. Roman reverses with legends consisting of the letters I and O. The second group all had the crescent and star reverse. GOHL 1904, 81–86.

⁵ E.g. Perassi 2017, Fig. 8,11–12,17,20.



Fig. 2. A pierced coin of Hadrian with star and crescent from the Coin Collection of the Eötvös Loránd University.

they show a portrait on the obverse, usually facing left, while the reverse depicts a crescent and stars. The number and appearance of the stars may vary from simple dots, to dots with rays or a more elaborate, almost floral design. The Sarmatian imitations can be dated to the late Roman period, based on the style and the similarly executed coins that were primarily modelled on 3rd and 4th c. Roman coins. Based on these parallels, the Martfű piece should also be dated to the 4th c. Unlike the lead medallion, the others were all struck of a copper alloy, several of them showing obverse die-links.⁷ They are all pierced or looped, indicating that they were made to be worn. Their style and design also suggest that they were not meant for monetary use, but rather possessed an amulet function. A prime example was discovered in 2017 at Békésszentandrás in a late Sarmatian grave, where the deceased woman wore four of these coins on her forehead as a headdress.⁸ Two other pieces from Mezőtúr-Leski Hill and Zakarpattia Oblast (Ukraine) still had some parts of a bronze chain in the hole.⁹ This leaves no doubt that they were used as amulets, since their common reverse design cannot be a coincidence. The inspiration was taken from Roman coins, namely Hadrian's crescent with the seven stars (septentriones i.e., the constellation of the Plough) reverse first appearing around 127 on denarii symbolising the golden age.¹⁰ The number of stars later varied, but its symbolic meaning did not change. These were also minted for Sabina and are quite common in the Hungarian Barbaricum, sometimes also worn around the neck (Fig. 2).¹¹ This reverse was later repeated by Pescennius Niger and Septimius Severus with AETERNITAS and SAECVLI FELICITAS

7 Unfortunately, material analysis has not been conducted on these coins, but their colour and patina indicate a copper alloy.

- 9 VADAY 1989, 259,203.2; VADAY HORVÁTH 2005, 78,24–152; ANOHIN 2015, 205,2.
- 10 The crescent and star reverses only appear on *denarii* on imperial coins. The exception to the rule is the *aureus*, together with a *denarius* minted by P. Clodius Turrinus (RRC 494/20–21) in 42 BC that in itself is a copy of L. Lucretius Trio's denarius of 76 BC. RRC 390/1. Trio minted the reverse as a pun on his *cognomen* with the *septem trionem* i.e. the plough constellation, which is the first appearance of star and crescent on Roman coins (RIC II.3, p. 39).
- 11 These are also found pierced or looped most recently in late Sarmatian male graves from Üllő and Rákoscsaba (NAGY 2018, 166, Grave 247; JUHÁSZ 2020, 140; JUHÁSZ 2021, 112). https://www.facebook. com/lelohelyfelderites/photos/a.2256615514596398/2256615614596388 (last access: 01. 11. 2021) A further metal detector find was uncovered with the remains of a loop at Jászágó-Hegyes-halom. This information was brought to my attention by István Steuer, which I am grateful for.

⁸ Juhász 2020.

legends.¹² The Martfű medallion is based on the crescent with one star reverse, the I and the other four letters O are merely the legend placed in a decorative manner.¹³

The star and crescent seem to have had a peculiar meaning for the Sarmatians, who presumably did not identify the reverse with the Roman golden age. After all, these are universal symbols readily available to everyone. A special astral connection of the Sarmatians is also expressed by the wide-spread use of *lunulae*.¹⁴ These symbols seem to have been worn by both women and men. The same can be said about the coins with star and crescent reverse: the original looped denarius of Hadrian was found in a male grave around the neck, while the four Sarmatian imitations were placed in a woman's grave at Békésszentandrás.¹⁵

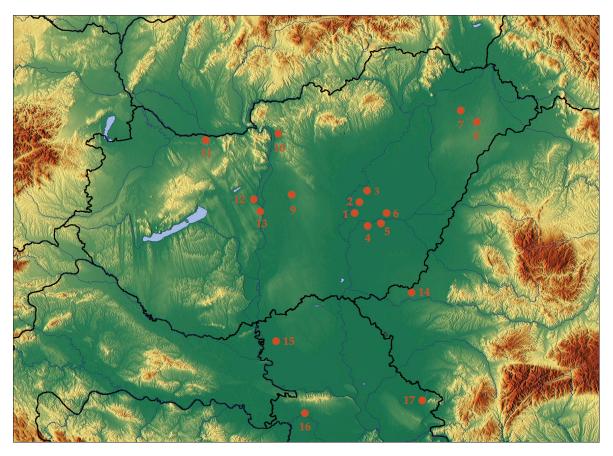


Fig. 3. Sarmatian coin imitations from the Carpathian Basin. 1 – Martfű, 2 – Kengyel, 3 – Törökszentmiklós, 4 – Békésszentandrás, 5 – Szarvas, 6 – Mezőtúr, 7 – Nyíregyháza, 8 – Pócspetri, 9 – Pusztavacs, 10 – Vác, 11 – Brigetio, 12 – Adony/Rácalmás, 13 – Dunaújváros/Intercisa, 14 – Pecica/Pécska, 15 – Sombor/Zombor, 16 – Sremska Mitrovica/Sirmium, 17 – Vršac/Versec.

We do not know whether this lead amulet was worn with the portrait or the astral symbols outward, but based on the Békésszentandrás grave and the Germanic gold coin and medallion analogies, the emperor's head was of greater importance.¹⁶ Due to the Martfű piece's elaborate frame, it most likely also served a representational purpose besides its apotropaic one.

12 RIC IV.1 Pescennius Niger 1, 73–74, Septimius Severus 360, 416–418, 527, Julia Domna 629.

- 14 Istvánovits Kulcsár 2018, 207–208; Vaday 1989, 55–57.
- 15 Juhász 2020.
- 16 Juhász 2020, 140–141; Bursche 2008, 400.

¹³ RIC II.3, 864–866, 924–926.

Unfortunately, most of the coin imitations with star and crescent reverse are without a find spot. Those that are known show a concentration in the Middle Tisza region (*Fig. 3*).¹⁷ Interestingly, some are also found within Pannonia close to the limes at Brigetio, Intercisa and Vetus Salina.¹⁸ Furthermore, we know of several pieces outside the Carpathian Basin: two from graves in Marten in Bulgaria, two metal detector finds from the Zakarpatska and Volinska Oblast in Ukraine, furthermore some from Central Poland and Moldova.¹⁹ A similar Sarmatian medallion surrounded by small circles was found at Nyíregyháza, although its state of preservation is significantly poorer.²⁰ The other important difference is that this piece is pierced and not looped. These find spots and the elaborate medallion frame indicate a more complex and widespread use of these star and crescent coins than we were previously led to believe.

Inspiration for the elaborate frame could have been taken from the Roman enamelled disc brooches (Scheibenfibel) with protruding circular decoration on the sides, which were popular in the Barbaricum from the 2nd c. to the 260s/270s.²¹ These have the same concentric circles on their small projecting round disks as the Martfű medallion (Fig. 4). The flat disc fibulae with segmented rims²² show a concentration in the Middle Tisza region similarly to the crescent and star reverse Sarmatian coin imitations.23 The other types with similar decoration are the discoidal brooches also very popular in the Barbaricum from the late 2nd to the 5th c.²⁴ These more ornate fibulae correspond to the elaborate mounting of the coin imitation. In fact, disc fibulae with glass intaglios in the form of human heads are



Fig. 4. An enamelled disc fibula with *tutulus* from a private collection.

known.²⁵ These rare pieces also show a concentration in the central and southern part of the Hungarian Plain in the 3rd-4th c. A key difference is that the heads are always facing, and the edges of the fibulae are not decorated with projecting round discs, although they are frequently decorated with concentric circles.

The loop on the Martfű medallion is unique among the Sarmatian coins, since it is cast together with the rest of the coin, rather than made by folding the long and narrow excess material over as is usually the case.²⁶ As for the pierced pieces, the suspension is not preserved, except for the

- 17 Three further examples are known from the Koszta József Museum in Szentes, most likely also from the Middle Tisza region (Kerényi 1956, 19; Juhász 2021).
- 18 A further one is in the collection of the Laczkó Dezső Museum Veszprém probably found in northern Pannonia (Rнé 1905, 67).
- 19 Anohin 2015, 205/2, 8.
- 20 I am indebted for the information to my dear colleague István Vida.
- 21 VADAY 1989, 84-85; GRUMEZA 2015, 195-197, Type IV and VII.
- 22 VADAY 2003, Type III/3 and III/5.
- 23 These brooches were mostly worn by adult woman and girls but were rarely also found in male graves. VADAY 2003, 377.
- 24 Grumeza 2016, 459.
- 25 Grumeza 2014, 76–79.
- 26 E.g., Gohl 1904, 19. ábra.

two previously mentioned coins with bronze chain and a piece from Marten (Bulgaria), where the loop was made from a separate metal sheet that was fastened with a pin.²⁷ Instead the medallion's broad ribbed loop resembles the Sarmatian *lunulae*, further strengthening the connection between the two types of finds. Similarly, the folding of the excess material to form the loop can also be observed at these crescents.²⁸ Occasionally, similar suspension can be seen on gold coins as well.²⁹

The Martfű medallion could thus be a rare example of the merger of the production of *lunulae*, fibulae, and coins. Although the Sarmatian coins were struck copper alloys and not cast lead, it is likely that the two groups of objects may have been produced by the same skilled artisan.

The choice of material is also interesting: lead instead of the usual copper alloy used for coins and fibulae alike. Could this be explained by the simpler production technique or the silvery surface of the lead? Lead amulets in various, also *lunula* forms are known from Migration period graves worn around the neck as apotropaic amulets.³⁰ One should also remember that the material was cheap compared to other metals. This could also imply that the owner could not afford an original Roman denarius with the same depiction, or even a bronze imitation, but was still keen on representing herself or himself with an exceptional piece.

Here we encounter a shift between the various types of objects from a physical form to a representational. The Sarmatian coin imitations copy the form of the *lunulae* on a coin with no monetary function, but serving as amulets. It seems that this was still regarded as an effective protective measure, maybe even strengthened by the obverse. The role of the imperial portrait is not easy to determine, but its importance is clear. The Martfű cast lead piece is a more elaborate version of this transition between various materials, technical execution and the significance of the crescent and star motif for the Sarmatians.³¹

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- 27 VARBANOV et al. 2019, 126.
- 28 E.g., Kőhegyi Vörös 2011, 271, 282, 303; Istvánovits Kulcsár 2018, 207, Fig. 171; Mastykova Sviridov 2021, Fig. 13.
- 29 Bursche 2000, Pl. 2,c,e; Perassi 2017, Fig. 7,10-11,15-16.

31 This research was conducted under the *Ancient Coins East of the Danube* project (NKFI PD-132300) supported by National Research, Development and Innovation Office.

³⁰ Grumeza 2021.

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