TWO EARLY MEDIEVAL KNIVES WITH BONE HANDLES FROM NITRA*

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The aim of the study is to enlighten the circumstances of occurrence of knives with bone handle at the territory of Nitra in the 9th c. and to draw the attention to the insufficiency of them at the remaining regions of Slovakia. Results of some of the analysis suggested that these specimens belong to the more luxurious artefacts, which could have been used to show higher rank of individuals with considerable property. Real causes for restricted occurrence of such artefacts are not known. The cause of this may have been that other possibilities were also used for this purpose.

Keywords: Slovakia, Great Moravian Period, knife with bone handle, bone processing, social problem.

INTRODUCTION

The items which are preferentially evaluated in this article come from two graves dug at burial sites used in the Great Moravian period in the territory of historical Nitra. Besides their specifically designed handles, they differ from other knives also found in the environment of contemporary necropoli with other details and components incorporated in the relevant elements of the burial rite. Although no significant differences occur in the recorded find contexts, the circumstances of their existence and association with the social sphere and other bone and antler artefacts should not be ignored.

BASIC INFORMATION

In order to express important information, both exemplars of knives will be described in detail in this part. The first knife was discovered in 1976 in grave 6 excavated on the periphery of a large burial ground located in the part of the town called Dolné Krškany. It was a rescue excavation, since this area was endangered by the construction of the Mier factory, or Nábytkáreň, a furniture making factory (Fig. 1: 1; Hanuliak/Chropovský 2019).

Thanks to the favourable find context, a numerous range of less frequent expressions was discovered in the above mentioned grave. Attention is called mainly by the knife itself, with its bone handle covered in engraved decoration. The part of the knife in question is not a monolithic cylinder. It consists of two strip slabs, 1.6 cm wide. These slabs with arcuate profiles are attached to the knife’s end part with an offset tang with three iron rivets. Their polished surface is decorated with at least six pairs of shallowly engraved concentric circles with diameter of 0.6 cm arranged in two parallel rows (Fig. 2: 1). The fragmentary state of the handle makes its detailed description difficult. The unknown circumstances leading to the break of the discussed part of the knife made of a firm iron tang covered with slabs are worth mentioning.

A higher social status of the buried middle-aged man (M mat; identified by M. Vondráková 1982) can be deduced from the excessively deep grave pit – up to 200 cm – and its calculated volume of 3.8 m³ (Hanuliak/Chropovský 2019, 289). The suggested social status corresponds not only with the completed shape of the large knife extended to 23.6 cm in total, but a wooden bucket with arcuate handle and three rings attached with cross-shaped fittings (Fig. 2: 2) is also important. Representatives with the above described components belong to reliable indicators of a higher social status of male individuals in the Great Moravian environment (Hanuliak 2019a, 45, 46).

Significant information should also include the location of grave 6 within the burial ground of group II, in which graves with valuable accompanying parameters are accumulated. Thus, the location of the knife in question placed in the middle of the body’s chest by the survivors might also have its meaning. This unignorable position can be – with an acceptable portion of tolerance – indicated as

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a demonstrative expression of his importance in the local community. The lack of other graves with identical composition of determinative expressions confirms that it is a purely local custom not used by members of other communities. Considerations of unspecified impulses with ritual meaning (Profantová 2003, 85) are little persuasive in this case.

The suggested circumstance is only secondary. More attention should be focused on search for association between the processed collection of knives and the social status of individuals buried at other necropoli. Unfortunately, there are very few such cases. In Slovakia, their occurrence is limited to a single site formed also in the Early Medieval agglomeration of Nitra. Its area was documented in the cadastral area of Staré Mesto in 2018 (Fig. 1: 2). It occurred in the inner area of the Polygón polyfunctional complex, which was previously used as a market place complemented with small shops.

Results of the rescue excavation were influenced by the limited excavation potential reduced to the base parts of the structure’s pillars’ feet. We can only deduce from them that a knife was found in one of the six graves at a small burial ground. It is grave 2, where this artefact was deposited next to the right side of an adult individual’s pelvis; the individual’s sex has not been specified. The artefact’s blade is terminated with a flat tang narrowed at the bottom. It reaches almost to the middle of the handle. The knife’s length was thus extended to 24 cm. Width of the bone slabs made from the tibia of an unidentified animal widened from 2.2 cm to 2.8 cm at the end of the handle. Their shape thus became trapezoidal and they were joined with three iron rivets. Their pale-yellow polished surface is covered in irregularly distributed engraved circles. Some of them are scattered, some make up clusters of two or three, exceptionally touching each other. The functional part of the blade, which is 10.8 cm long, is 2.2 cm wide (Fig. 2: 3). According to these dimensions, the described exemplar can be classified into tools which were able to cause severe wounds and were, thus, appreciated in fights. This circumstance together with its luxurious design makes this knife different from other knives from Great Moravian graves.

With regard to the complicated stratigraphic conditions and the limited extent of the rescue works, some complementary information on the grave pit and other artefacts from the grave goods was impossible to document. The effort to specify the social status of the buried individual encounters some problems. Structure of the burial ground used around the younger Great Moravian horizon cannot be outlined under such circumstances either. It is confirmed by two earrings with wire knots and conical spiral pendant from bronze wire discovered near another disturbed skeleton. They allow us to attribute the local community an average social status at most (Hanuliak 2004, 160, 161). Location of its life territory in the more exposed part of Nitra’s settlement agglomeration also sounds inspiring. This is also suggested by the short distance of the site in question from an important long-distance route. Its line leading from Constantinople crossed the historical area of Nitra and led to the Prague Basin across Moravia (Lukačka 2010, 283). Populations from the wider surroundings of the studied site could have also contributed to passive protection of the central part of the agglomeration (Fig. 1: 2). A small burial ground is also located there; it was studied in 2000 and 2001, on the courtyard of the nearby town marketplace (Bednár/Fottová 2003, 306, 307) formed in the early 10th c. The relatedness of both sites is indicated also by contemporary settlement features documented at each one. The southernmost enclave of the agglomeration with a large burial ground in Dolné Krškany is represented by the above-mentioned knife with bone handle slabs from grave 6 classified in the older Great Moravian horizon and it also gains its relevance (Fig. 1: 1; Hanuliak 2019b, 84).
Fig. 2. 1, 2 – Dolné Krškany-Závod Mier, plan and finds in grave 6; 3 – Staré Mesto-Polygón, find in grave 2. Scale: a – 2; b – 1, 3.
INFORMATION ANALYSIS

The currently evaluated pair of knives is interesting mainly with their handles with bone slabs with polished surfaces. The important fact is that it is not the most easily available wooden matter resistant to many negative influences from the surrounding environment but an undetermined bone material. Products made from it were not unknown in the Early Medieval central European environment (Hrubý 1957; Kaván 1958), although – compared to wooden artefacts – they were much less frequent. Despite this, the logically presumed versatility of use of wood cannot be confirmed more exactly, since it was totally decomposed in many find contexts. Here, we come across remains of wood petrified with corrosion on knife blades more often than on tangs in handles tooled from this material. As an illustration, we can mention the burial ground in Čakajovce with the highest number of knives, where handles made of maple, ash and apple tree wood were recorded in eight cases, while information on sheaths from maple wood comes from 16 graves (Rejholcová 1995, 45, 46).

Design of the handle slabs is another interesting aspect of this find. The fanciful design is multiplied with decorative motifs composed of transverse bands of engraved circles. The combination of these elements did not occur accidentally, without effort to intensify the aesthetic impression, which makes both representatives stand out in the numerous elements did not occur accidentally, without effort to intensify the aesthetic impression, which makes both representatives stand out in the numerous

The only exception is a knife with precisely applied decorative motifs composed of transverse grooves, shaded bands, twists and circles (Hrubý 1955, 385, 386, fig. 12: 1a, b; pl. 35: 7). In other three graves, adult women were placed, averagely sunken, without any added goods. Among knives, an exemplar with total length of 24.7 cm from grave JP/156 at the Southern Bailey of Břeclav-Pohansko stands out. The slabs’ surface is covered with two parallel bands of circles (Přichystalová/Kalová/Boberová 2019, 319, 395, pl. XLIV). Knives with undecorated bone slabs deposited next to left elbows and – in one case – across the left pelvic bone come from graves 204, 232 and 534 in Rajhrad (Slaňová 2006, 64, 66, 89, fig. 18; 20; 44). With regard to insufficient information on the hierarchic grading of indicators of the overall decoration (Fig. 2: 1). Unlike the previous examples, grave 174 from the church cemetery of a magnate’s farmstead in Břeclav-Pohansko has accompanying information of expected quality. An adult man was buried in an extra-large-grave pit, together with a long knife, a sword and spurs. With two razors, a key and a strike-a-light, there was a knife among his personal items. Its handle is decorated with three bands of concentric circles with the central points covering the whole surface (Kalousek 1971, 111–113).

Grave 180/AZ from the central necropolis at the site of Na valách belonging to the agglomeration in the vicinity of Staré Město is also very interesting. It is associated with a man of a very old age from the deep grave pit with almost absent grave goods. The only exception is a knife with precisely applied decorative motifs composed of transverse grooves, shaded bands, twists and circles (Hrubý 1955, 385, 386, fig. 12: 1a, b; pl. 35: 7). In other three graves, adult women were placed, averagely sunken, without any added goods. Among knives, an exemplar with total length of 24.7 cm from grave JP/156 at the Southern Bailey of Břeclav-Pohansko stands out. The slabs’ surface is covered with two parallel bands of circles (Přichystalová/Kalová/Boberová 2019, 319, 395, pl. XLIV). Knives with undecorated bone slabs deposited next to left elbows and – in one case – across the left pelvic bone come from graves 204, 232 and 534 in Rajhrad (Slaňová 2006, 64, 66, 89, fig. 18; 20; 44). With regard to insufficient information on the hierarchic grading of indicators of the overall decoration (Fig. 2: 1). Unlike the previous examples, grave 174 from the church cemetery of a magnate’s farmstead in Břeclav-Pohansko has accompanying information of expected quality. An adult man was buried in an extra-large-grave pit, together with a long knife, a sword and spurs. With two razors, a key and a strike-a-light, there was a knife among his personal items. Its handle is decorated with three bands of concentric circles with the central points covering the whole surface (Kalousek 1971, 111–113).

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environment with occurrence of knives with bone slabs. Nevertheless, most of them come from graves of adult women located at church cemeteries (Hochmayerová-Vártošová 1962, 238, pl. XXII: 3; Hrubý 1955, pl. XXII: 2, 3; Kalousek 1971, 52, fig. 12; Macháček et al. 2016, 248, pl. 7: 64; 2: 85; Marešová 1983, 81; Profantová 2003, 85, fig. 51: 3).

In the territory of Slovakia, we find bone knife handles mainly at burial grounds scattered in rural environment. Mainly adult men with max. average handles mainly at burial grounds scattered in rural environment. In the collection, simple and concentric handles also appear during the Carolingian period in the territory of the Upper and Lower Austria. B. Szőke (2019, 144, 145, pl. 20: 16; 21: 18; 32) monitors the occurrence of such artefacts in female burials from the end of the 8th and the first half of the 9th c. The studied circles are either the only decorative element or they can be combined with other motifs. Grave goods from the Hungarian burial ground in Sopronkőhida are another example. Slabs of long handles from graves 25, 59, 62 and 103 were decorated with one or more lines of circles (Török 1973, 13, pl. 8: 1; 18; 13: 5; 19; 14: 12; 25; 22: 10). Iron knives with short narrow blades often documented in female burials indicate – according to B. Szőke (2014, 37, 41, fig. 26) – their use in a specialized activity carried out by the members of this gender.

A more concentrated occurrence of similar finds was recorded again in the 10th–11th c. in the agglomeration of Libice (Kaván 1958, 273, 274, pl. X: 5; Mařík 2009, 105, 123, 174, 262, pl. 78: 1). The studied motif remains popular in decoration of knives also in the High and Late Middle Ages. The knife handle decorated with concentric circles discovered in the late medieval settlement feature from Chlaba is not exceptional either (Zábojník 1980, 253, 254, fig. 149: 1) as well as the one from Wroclaw (Wieczorek-Kaćuśza 2018, 310, 311, 386, fig. 201, inv. no. 235/11; 258c). Numerous examples of knives decorated with the motif of simple or concentric circles from the 11th–16th c. are brought by a publication dealing with medieval and early postmedieval knives from the selected coastal areas of the North and Baltic seas (Holtmann 1993, 395, 396, fig. 130; 164).

The presented examples fully correspond with the above described opinions pointing to a wider territorial span and chronological frame of occurrence of the decorative element in question. It cannot be ignored that the obtained information is not considerably associated with the topic preferably solved in this article. In most cases, it is confirmed by the absent social stratification of finds as well as more accurate specification of frequency of relevant exemplars’ occurrence in the relevant geographical time and space. Even from the territory of Slovakia, we cannot compare the limited number of known early medieval examples with their more massive presence during the Late Middle Ages and the Early Postmedieval period.
FINAL REFLECTIONS

Knife handles consisting of two slabs complemented with decorative motifs discovered at two burial grounds in historical Nitra extended the extremely sporadic group of more luxurious exemplars made of bones and antlers recorded in the territory of Slovakia. The collection also includes a conical clarinet-type shawm made from a deer antler and discovered in grave 26 in Pobedim-Na laze (Vendtová 1969, 181, fig. 52: 11). Tubular cases used for storing loose or viscous substances and other miniature items were made of identical raw material (Kavánová 1995, 85, 86; Vignatirová 1992, 79). They also include e.g. the exemplars with octagonal cross-section from grave 128 in Smolenice (Dušek 1979, 369, 370, fig. 6: 8), from grave 28 at the municipality burial ground in Mužla-Čenkov-Vilmárt (Hanuliak/Kuzma 2015, 153, pl. LXI: 2) and from a residential pithouse 448 studied at the same site (Hanuliak/Kuzma/Salkovsky 1993, 32, pl. 149: 16).

The previously suggested circumstances do not provide persuasive arguments explaining the limited occurrence of more luxurious products made from bones and antlers. We cannot exclude the possibility that the reasons for this lie in the abundance of other ways to emphasise the above-average status of some individuals used in the Great Moravian period. This may also be the reason why there was no urgent need of more intense development of bone production. Therefore, domestic production was focused on easy modification of bones into working tools and more luxurious representatives were imported from continuously operating workshops. Even without a more detailed evaluation of the above mentioned representatives’ provenance, it is sure that the artefacts from this collection would not have been made without a verified working procedure, a wide range of used tools, routine skills and softening of the material by cooking it in suitably concentrated solutions. Many of these components were summarized in a study by J. Kaván (1980), who re-evaluated and experimentally verified other scientists’ opinions. In their point of view, it was – in the well-known cases – a specialized production activity primarily done by members of certain families (Kavánová 1995, 250, 251; Štecová 2000, 84 – 88).

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Káňová 1995

Kavánová 1995


Liptáková 1963

Lukačka 2010

Mařík 2009

Mikulčice – pohřebiště

Mikulčice – pohřebiště

Mikulčice – pohřebiště


Marešová 1983

Marešová 1983

Marešová 1983


