

Once again about the Ceramics from Gornea- *Vodneac*, of the Early Bronze in Banat

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The settlement from Gornea- *Vodneac* was signalled by Ion Dragomir, back in 1967 (Lazarovici - Uzum - Dragomir 1977; Lazarovici - Săcărin 1975, p. 87). Diggings were performed at *Vodneac* by Vasile Boroneanț (in 1971) and myself during the spring of 1972 (Lazarovici - Săcărin 1975; Lazarovici 1977) and about 6 sections by Caius Săcărin in 1978 (Lazarovici - Săcărin 1975, p. 87) (Tab. 1a-1b).

Vasile Boroneanț had proposed for these materials the Gornea- *Vodneac* cultural aspect, by attributing it to the Early Bronze culture (Boroneanț 1971). Yet he had partially omitted some discoveries of the Periam I-IV - Wiettemberg I - Otomani Ia - Pančevo - Mokrin type (Uzum - Lazarovici - Dragomir 1977, p. 412; Lazarovici - Săcărin 1975). V. Boroneanț considered that it would be something else, or using for it another term.

In fact, there was only one pit house which had been completely dug, he was sounded by V. Boroneanț and we emptied it (Lazarovici 1977, p. 89-90, pl. X, XV/5-8; LXVII).

Mainly, there had been discovered numerous materials decorated with the broom, tree bark, some Besenstrich and only some fragments (1-2 fragments) with textile impressions, all coming from the diggings of V. Boroneanț (Tab. 2a - 2b).

On the basis of these motives we include the discoveries from *Vodneac* in the early stage of the Besenstrich decorated ceramics, by making a parallel to the settlement with the levels: o-i at Boroneanț (1971) o-l at Lazarovici (1977, p. 90) from Tószeg, belonging to the stage called Tószeg A (depth 490-360 cm) by Amalia Mozolics (1952, p. 35, 54, 65 pl. VI-XIX, XX-XXVI, see also Tompa 1937, p. 63), so to a stage previous to the Hatvan discoveries which belong to the stage Tószeg B (360-150 cm; Mozolics 1952, p. 65) (Kalicz 1968, p. 157-158; pl. XLVII-LXV; Foltiny 1962, 3-4; Popescu 1960, p. 381; 1965a; 1965b; 1966a; 1966b), previous or marking the beginning of the ones decorated with textile motives and of the ones with striations of parallel bands, or strips in arcades (these are called Kammstrich), type Dersida I (Ordentlich 1963, p. 115 and next), Vișag, Iaz - *Dâmb*, Balta Sărată I (Gumă 1997, pl. LIIC-LVII), early Verbicioara (Tasić 1984b, p. 86, Abb. 9/5) (Tab. 3).

The discoveries from Gornea - *Vodneac* were later associated with the discoveries from Ocnele Mari - Zdup (Petre-Govora 1976, p. 16), with different stages of the Early Bronze Age in the north of Oltenia (Petre-Govora 1995)(Tab. 1-2).

More important discoveries of this period, in Banat, by their number and importance, are those from Foeni, - *Cimitirul Ortodox*, result of the researches made by Fl. Gogâltan and Fl. Drașovean (Gogâltan 1995, p. 67-73, fig. 6-10; 1996). In fact, the settlement was signalled to us also by Fl. Medeț who mentions it (Tab. 2a). Other important diggings are those from Valea Timișului - *Rovină*, level I, in fact a pit-house no.1 (Petrowszki - Gumă 1979; Gumă 1997, p. 187, pl. XV).

On the basis of the associations with the 2-3 fragments with textile decoration, probably from the same pot, the discoveries from Gornea were dated as later than some discoveries from Govora (Petre - Govora 1995), contemporary with the discoveries from Valea Timișului I and others, even though the authors had rather suggested this fact than effectively written it (Tab. 5a-5b).

In order to specify more clearly my position, to notify critically some subsequent dating attempts, I reconsidered the problem of dating the discoveries from Gornea - *Vodneac*, especially that some similar new discoveries were made in the east of Transylvania at Zoltan (Cavruc

1996; 1997) which confirm my suppositions, older or newer, (Lazarovici 1997) concerning the large area of scattering of such phenomena (Tab. 4a).

Some other discoveries of the Early Bronze period were signalled at Silagiu-*Pârpora* (Tab. 2a) (Lazarovici - Sfetcu 1990), next to the oldest Sânpetru German (diggings of M. Moga (Medeleț 1993, p. 6) and of course those from Periam I-IV (Roska 1923, p. 10; 1928, 53-56; Popescu 1965, p. 333-334 ; 1966, p. 158; Tasić 1974, p. 195; Berciu 1966, p. 167; Mozolics 1952, p. 63; Bona 1963, p. 25, 34-35; Nestor 1960, p. 107), Ostrovul Corbului, (S XX, c. 1-2; Roman 1987, p. 359; in SXVIII - XIX, p. 357; 1996, 128-129 sqq.).

The discoveries from Periam (Tab. 2b), level I were studied enough, especially by the literature written about them (Soroceanu after Gumă 1997, pl. XIX), not on the very materials in the deposits, so that many of the materials characteristic to the early stage, similar to those from Gornea-*Vodneac* had been unknown. It is the same situation with the discoveries from Otomani, those said as part of the Ia phase (Nestor 1960, s.v.; Horedt 1962, 318; Bader 1970, 130; Bobalt I-II: Iercoșan 1986-1987, 2/1-4, 6/1-2).

Coming back to the discoveries from Gornea - *Vodneac*, I analysed my own discoveries, republished by form and decoration reconstitution by Florin Gogâltan (Gogâltan 1995, Abb. 11-13) and Marian Gumă (Gumă 1997, pl. X-XIV). We only attributed the mentioned discoveries from the levels to the phase Tószeg A. V. Boroneanț had made similar analogies but he defined them as Gornea - *Vodneac*.

There, these are associated only with Besenstrich discoveries, the bark tree species, plastic belts under the rim, and simple, open forms. In those horizons the striated decoration was lacking, especially the comb decoration (Kammstrich), but there were some other elements, like some pot forms (Tab. 3).

In this study of mine I introduced some of the characteristics of the Banat Early Bronze, on the basis of the two synthesis works by M. Gumă and Fl. Gogâltan in an information basis, and I added some other discoveries located in my data bases concerning the Early Bronze in the Szekler-region (references at Cavruc 1997; Lazarovici 1997) (Tab. 4a-4c). The codes used in the bases are reproduced here next (Tab. 4a - 4b).

We precise that the differences of decoration technique between *decoration with broom* and *tree bark* were not included as style, but as technique of decoration.

After extracting information from the information bases and seriating the materials from Banat and its close neighbourhood I obtained a seriation that I divided into 2 tables (2a, 2b) in order to be included as illustration at this text format. In my belief, they would mark a cultural and chronological series, if the evolution of this stage were linear.

I do not know how the evolution is, exactly, because there are no clear stratigraphy data for the Banat, that is why I present a possible evolution, and precise from the beginning that the information is lacunary. The ordination of the data and its seriation allows us to formulate some hypotheses about the materials and the series obtained.

From the table 2a I notice that the discoveries from Gornea are previous to those from Silagiu. There are no systematic diggings and clear materials for the first stage of the Early Bronze in Banat. The oldest materials are posterior to the Coțofeni IIIc horizon. In Banat, at the level of the phase Coțofeni IIIc are the discoveries of Vučedol B type (Roman 1976). Posterior to this horizon in north Banat are discoveries of Vučedol C - Mako type (we prefer the term of Vučedol C, colleague Gogâltan uses that of Mako: Gogâltan 1995; 1996). It means that early Vinkovc horizon or Vučedol C (Dimitrijević 1982, tab. 1-8) time when appear cups with foot with decoration consisting of triangles or rhombus incised or Furchenstich inside, glass pots (Tasić 1984a, II/3-5,9), handles bordered by 2 prominences etc.

The oldest materials belonging to the Bronze Age - if we consider the culture Coțofeni as part of the transition period - are at Parța - Ob. 5, Periam, Stamora Moravița (Gogâltan 1995,

Abb. 1; 1996, pl. I; Gumă 1997, p. 173, pl. 3 - 5). They have been attributed to the group Mako (Gogâltan 1996). As to the attribution of the discoveries to the group Mako, this is difficult to do considering that the scattering area of this cultural group is the region of middle Tisa (Kalicz 1984, p. 94).

The materials from Silagiu. Because of some pot forms, of the ceramics decorated with strings and holes, of Glina III type, these are considered to be older. Such materials do not appear at Gornea (Tab. 2a).

In the old stage would be contained some decoration elements from Gornea which continue in the ones from Foeni (Tab. 2a-2b).

The same thing can be noticed also at Tószeg A where some elements decorated with tree-bark - type motives are continued with another style of decorating. Those motives had determined us to include them only in the early part of the phase Tószeg A (see Table 6-7) (Lazarovici - Săcărin 1975; Lazarovici 1977).

From the same seriation we notice that :

- the motives with comb decoration (Kammstrich) are later than those from Gornea (Tab. 4a);
- the motives made with comb from Silagiu (Tab. 2a) have no correspondent in the early discoveries so they can be also later but one must not forget that some very similar comb decoration there is also in the Coțofeni IIIc culture (at Băile Herculane: Roman 1976) and Cornereva - *Piatra Ilișovii* (diggings Lazarovici Kalmar 1986); and later at Vârșand - *Movila* (Popescu 1956, 120, 73/7,9);

- the textile motives are also a newer element (Tab. 2b). They appear later also at Tószeg, in the levels (Mozolics 1952, lev. o, m pl. XVIII/14, XVII/13,15-16). In the table here next are the bark-tree type decorated motives, in the seriation order, meaning the motives with deep decoration, made with the edge of a stick or a broken bone. Earlier still is the comb decoration (Tab. 4c).

In the seriation above (Tab. 2b) one notices some anomalies at Șemlacu Mare and at Sânicolau Mare. These mark either non linear evolution processes (some older elements are maintained or revived for different reasons, some being retardation; either the encoding system is poor. The scarceness of the material is also a cause of weak correlations.

The table 2b above has in its inferior part a dynamic evolution but also numerous mixtures, which usually defines a transition period to a new cultural and chronological stage, the middle bronze.

This period is marked by other techniques in making the paste, forms and decoration.

In the next table (Tab. 4a) one can notice that the discoveries from Zoltan are between those from Gornea and those from Foeni. They have some common elements but some different also. The common elements on this very large area determine us to suppose a migration process, occurred on large areas, which gave birth to some identical situations.

In the country there are new discoveries at this time, better published, the ones in the South - East of Transilvania, from Zoltan (Tab. 4a-4c), researched by Valeriu and Galina Cavruc (Cavruc 1997, pl. 5-10; Lazarovici 1997, pl. VII-VIII, *apud* Cavruc). The discoveries are not isolated, at that time there are also other published materials, unfortunately with scarce information, from where also the impossibility of some more complex analyses.

One must not forget that the research is not achieved yet in none of the analysed sites and also that at Gornea and Zoltan there is only one complex to study, the one from Zoltan being of bigger dimensions and its materials being only in small percent encoded; this is the reason why any present comments are useless.

We also wish to prove to the colleagues the necessity of more complex publishing, drawing some pot forms and also form reconstitution. At the same time we wish to insist on some terms and technologies of description the decoration for the Early Bronze, data which is absolutely necessary for more accurate determinations.

In the table 4b one can notice some common elements from Zoltan and from Valea Timișului II, determined from a certain type of Besenstrich decoration. This type of decoration lasts longer, being common to some stages of the Middle Bronze in Banat (Gumă 1997, pl. XXV-XXVIII, in the levels V - VIII from Periam), Crișana (they appear at Vărșand, Popescu 1956) and Transylvania (Ciugudean 1996, fig. 85-86; Lazarovici 1997, p. 16).

I think that at Zoltan (Tab. 4a) they can be contemporary to the early etape from the Middle Bronze discoveries at Zoltan (Cavruc 1997, fig. 12).

In the situations next table (tab. 4b) one can notice that the comb type decoration is grouped later, after the one tree bark type.

Otherwise I must not forget that this decoration is an characteristic element also for the discoveries of the beginning of the Middle Bronze, marked by discoveries like those from Vișag (Gumă 1977, pl. LIII-LIV) and Iaz - *Dâmb* (Gumă 1997, pl. LV-LVII) considered by M. Gumă as type Balta Sărată I ? (Gumă 1997, pl. LIII-LVII) and from N. Tasić, early Verbicioara (Tasić 1985, 86, Abb. 9/5).

The fact that the colleague M. Gumă doubts that these discoveries can still be related to Balta Sărată II as it would be logical and would be some elements shows exactly the accuracy of the colleague. I must recall the existence of some similar discoveries in the north of the country at Derșida I as belonging to the early phases of the Wiettenberg culture (Chidioșan 1968, 162, 6/7-8, 11-12; 1980, 56, fig. 4) or those from Bobalt (information I. Nemeti) and Otomani (Bader 1978, XXVIII, Bobalt I-II: Iercoșan 1986-1987, 2/1-4, 6/1-2).

In the table, the settlement from Giroc - *Mescal* is dated as later (Tab. 4c). I know that brown ceramic is newer and it maintains longer in Transylvania. Unfortunately, that with decoration made by striations has not been analysed in detail this being the reason why we do not insist on it presently. It appears near Sighișoara (Soroceanu - Lazarovici 1977, pl. XXIII, XXVIII) and later to Suci de Sus culture (Bader 1978, 179, XXVIII/4,9), up to the beginning of the Noua culture, in the stages of synthesis with Wiettemberg IV (Iclod - Tabla Popii V. Crișan 1995-1996), Buza (Wittenberger 1997, 709, fig. 3/9, 17/19, 21). Here above I only have qualitative data. From our information, we know that the striated decoration (with broom) on brick-red or brown ceramics is a later element.

Links with the discoveries from Transylvania. (Tab. 4a-4c, 5a).

Specialists also know the differences of modelling technique of the pots in the Early Bronze culture from the ones in the Middle Bronze culture, though they are the same on large spaces, at least for some ceramic categories.

The fine and middle-fine ceramics of the Early Bronze is smoothed in a mechanic style (it has less denivelations) unlike that from the Middle Bronze. The same situation is for the fragments decorated with the broom or for those not decorated with cannellures or polished incisions. More important is the discovery from Zoltan from Early to begin Middle Bronze Age.

Links with Oltenia Table 5a-5b. In the table here next were seriated the discoveries from Oltenia published by Petre Govora (Petre - Govora 1976, fig. 1-8; 1995). Unfortunately data is lacking about the complexes or more clear data regarding the horizontal or vertical stratigraphy. From the previous, one can notice an earlier stage of the discoveries of the Early Bronze, marked in the Glina type discoveries, and another stage with discoveries with broom. There one can also notice a synthesis between the two components which show a lasting of the Glina type elements, at a horizon contemporary to the discoveries decorated with broom (Tab. 5a - 5b).

The discoveries with broom, which are associated to those of Glina type are not only from the earliest phase, but also from the more evolved one (Tab. 5c). More clear results could be offered by stratigraphic data or by publishing materials on complexes and by a technological study, by creating some data bases on rigorous description and publishing criterions.

Instead of conclusions. From our analysis comes out the necessity of creating some data bases in which the colleagues who study the bronze age would count on the style of the decoration, the instruments with which it is realised, the paste on which it is made and the forms on which it is realised. These studies should also analyse the polishing technique, the mixture, burning, colour of the pots and the composition of the clay. Some are technology elements which define a civilization or a group of civilizations, others define a fashion, a preference. Such models are possible, they are part of the theory of knowledge, the theory of the unimodal, bimodal or processual analysis (our opinions and the opinions of some specialists are cited in Lazarovici 1993: CBA a model of processual analysis...).

From our study we notice that the discoveries from Gornea - *Vodneac* are before those from Foeni and also before those from Oltenia (Tab. 5).

The discoveries from Gornea are related to those from Zoltan (Tab. 4a).

The greater age of the discoveries from Gornea and Zoltan is caused also by the reduced number of the ceramics decorated with textile motives (Tab. 6a-6b).

The dating of Vasile Boroneanț and ours at the level Tószeg A (tab. 6a) for the materials from Gornea are confirmed, even though they belong they belong to a stage more evolved. The other discoveries (Ocnele Mari - Zdup, Silea Orlești) mark the evolved stages of the same process.

Other discoveries decorated with broom from Transylvania (Horedt, Vlassa, Ciugudean see Lazarovici 1997, p. 16) are later though there are also newer materials as would be those from Aruncuta (Lazarovici 1997). For the colleagues who wish to encode the motives decorated with the broom for either data basis (model Maxim 1980; Lazarovici - Maxim 1995 annex 7 and fig. 51-57), or for information basis - these having reduced data taken from the specific literature (Lazarovici 1996; 1997) we here next introduced the models for encoding the decoration to we add data concerning the technique of decorating (there are differences between barbotine, decoration with the broom - Besenstrich, striated, tree bark type decoration or incisions with bone or broken stick etc.) (Tab. 6b1-6b2).

The decoration of the comb = Kammstrich. In the same way comes the problem of the comb decoration either by its technology, or by the model or style of these decorations. The latter has not been taken much seriously. Its variants are much larger. As they are later, they haven't reached much of my attention (Tab. 6c-6e).

One must not forget that there are a series of sites with such a model which were not analysed, or were too little studied, as the case of the discoveries from Dersida I, Balta Sărată I, Vișag (Ordentlich 1963, p. 115 sqq.), Vișag, Iaz - Dâmb, Balta Sărată I (Gumă 1997, pl. LIIC-LVII) etc. These mark a long stage from the time of the Coțofeni IIIC discoveries (Roman 1976; Maxim 1993 unpublished sherds) and to the beginning of the Middle Bronze Reinecke A2-B1, respectively Bădeni I (Lazarovici - Milea 1976) and Cheile Turenilor (Roman & 1992; Lazarovici 1992). But may be I'll speak about these some other time. We intend to re-analyse the discoveries from Bădeni and to make data and information basis about such materials.

There are of course discoveries similar to those from Gornea in other spots also, in Oltenia (tab. 6d-6e) (Petre - Govora 1995) they have not reached my attention, not at this stage of work. I also precise that I do not consider that it is now the moment to make a finer dating. For these there are very clear stratigraphic remarks at Tószeg A - C (Tab. 6a-c), but also in other places or cultures like Nyr (Kalicz 1984b, XXVI/3, XXVII; Berea, Sanislău : Bader 1978, p. 155, pl. IV/5/6,8/10; V/6,VI/18; VIII/2,4; IX/7-8), Vinkovc (Tasić 1984, pl. I-II), Glockenbecher - Csepel (Kalicz, R. XLI/9/14), Nagyrev (Kalicz, R. XLIV/7-10; XLV/XLV/9, XLIX/15; L/1/8), Mako (Kalicz 1984, XXI/7,13 XII/3/14) or Hatvan (Kalicz 1984b, LII/16/17, 23; LIII/1-8; LIV/3,13,15/16; LV/3-4, 8-13) etc. (Tab. 7a-7b). They just need to be analysed and studied, especially in what the rapport between the form, decoration, making technique is concerned.

Such models of analysis are numerous for others ages and the results are of the best, in my opinion. As models I have those for the Starčevo - Criș culture (Lazarovici - Maxim 1995), Vinča A and B (Maxim 1980), the Culture of Banat (Lazarovici 1981), the complex CCTLNI (Cluj - Cheile Turzii - Lumea Noua - Iclod: Lazarovici 1991), the group Turdaș - Tăulaș (Maxim 1991) or for the Ariușd - Cucuteni culture (Maxim 1998).

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ONCE AGAIN ABOUT THE CERAMICS FROM GORNEA-VODNEAC OF THE EARLY BRONZE IN BANAT.

Table 1a
The types and codes of the decorative motives from the Early Bronze from Banat and Oltenia.

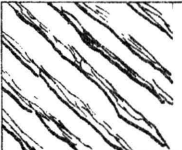
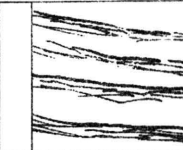
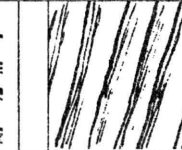







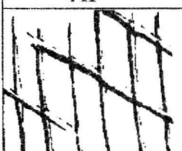
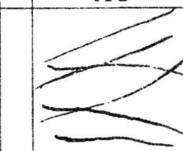
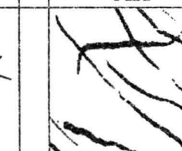
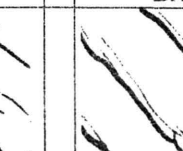

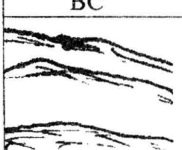
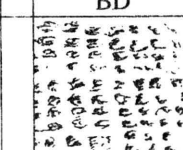
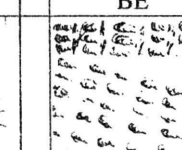
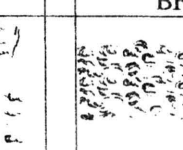
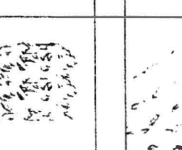
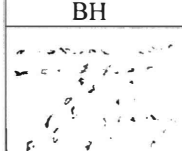
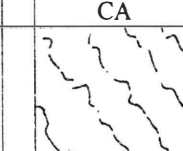
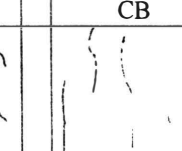
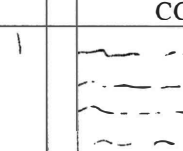
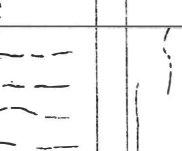
				
AA	AB	AC	AD	AE
				
AF	AG	AH	BA	BB
				
BC	BD	BE	BF	BG
				
BH	CA	CB	CC	CD
				
CE	DA	DB	DC	DD

Table 1b

The types and codes of the decorative motives from the early bronze from Banat and Oltenia

EA	EB	EC	ED	EE
FA	FB	FC	GA	GB
HA	HB	HC	HD	HE
HF	HG	IA	IB	IC
ID	IE	IF	IG	IH
JA	JB	JC	JD	JE
JG	JH			

Table 2a

Seriations of the motives and pot types of the Early Bronze from Gornea and Foeni.

Tabel 2a	Silagiu	Gornea - Vodneac	Foeni
A1a	1		
A2	1		
Comb FC;	1		
J4	1	1	
A1		1	
A4		1	
B3		1	
B4		1	
B5		1	
D1		1	
E1		1	
E2		1	
G2		1	
H6		1	
Strips with comb AC		1	
Bark tree AA;		2	1
Bark tree AB;		3	1
D2a		1	1
D2b		1	1
D3b		1	1
Bark tree AC;		1	1
Bark tree AF;		1	1
Bark tree BE;		1	1
Bark tree ; AG;		1	2
A2a			1
A3a			1
A7			1
A8			1
D3a			1
D4			1
D5a			1
D6b			1
DD1			1
F5			1
F7			1
I2			1
I3			1
I8			1
J1			1
J2			1
K4			1
L1			1
L10			1
O2			1
Bark tree ; AD;			1
Bark tree ; AH;			1
Bark tree ; BA;			1
Bark tree ; BB;			1
Bark tree ; BD;			1
Bark tree ; BF;			1
Bark tree ; BH;			1
Textile; CB;			1
Textile; CD;			1
Textile; CE;			1
Comb; EA;			1
Comb; EB;			1
Comb; EE;			1

Table 2b
Seriations of the motives and pot types from the Early Bronze of Banat.

	Foeni	V. Timi- șului II	Giroc Mescal	Periam I	Sânnicolau Mare	Șemlacu Mare	Periam III	Periam IV	Gornea Țărmuri	Periam I -IV
A4a	1	1								
J5	1	1								
J6	1	1								
K1	1	1								
Bark tree , BG,	1		1							
Textile, CA,	1		1							
D7	1	2								
Textile, CC,	1	1	1							
Strips with comb, BE,	1	1		1						
Strips with comb, AB,	1			1	1					
A3		1								
I5		1								
I6		1								
Strips with comb, AD,		1								
Strips with comb, AG,		1								
Comb, D7,		1								
Comb, EC,		1	1							
Comb, EB,			1							
Comb, FA,			1							
Bark tree , AE,	1		1			1				
H1	1					1				
Strips with comb, AF,	1						1			
Strips with comb, AH,					1					
Strips with comb, BC,	1			1				1		
I7						1				
N1						1				
N2						1				
Strips with comb, AE,						1				
Comb, EE,						1				
Strips with comb, AA,						1	1	1	1	
Strips with comb, BF,							1	1		
Strips with comb, FA,								1		
Strips with comb										1

Table 3
Seriations of the decorative motives from the Early Bronze of Banat.


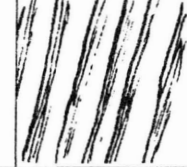

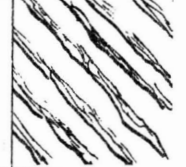

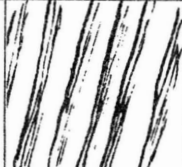
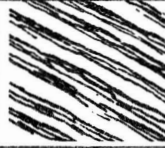
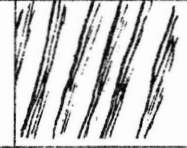
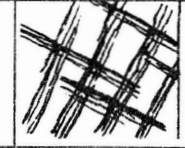
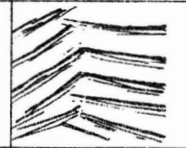






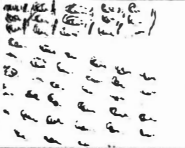



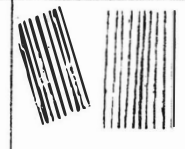

					
kmFC	beAC	scAB	scAA	scAB	ScAC
					
ScAF	scBE	scAG	scAD	scAH	ScBA
					
ScBB	scBD	scBF	scBH	txCB	TxCD
					
txCE	kmEA	kmEB	kmEE		

Table 4a

Seriations of the motives and pot types from the Early Bronze of Banat and Transilvania.

Tab. 4a	Pața	Silagiu	Gornea	Zoltan	Foeni
K3	1				
A1a		1			
A2		1			
Comb; FC;		1			
J4		1	1	1	
B3			1		
B4			1		
B5			1		
D1			1		
G2			1		
H6			1		
Strips with comb; AC;			1		
A1			1	1	
A4			1	1	
E1			1	1	
E2			1	1	
Bark tree ; AA;			2	1	1
Bark tree ; AB;			3	1	1
C1				2	
DD2				1	
E3				1	
E4				1	
F1				1	
F4				1	
P1				2	
P3				1	
P4				1	
P5				1	
Strips with comb; BH;				1	
D2a			1	1	1
Bark tree ; AC;			1	1	1
Bark tree ; AF;			1	1	1
D2b			1		1
D3b			1		1
Bark tree ; BE;			1		1
Bark tree ; AG;			1	1	2
D4				1	1
J2				1	1
Bark tree ; AD;				1	1
Bark tree ; AH;				1	1
Bark tree ; BB;				1	1
Textile; CB;				1	1
Textile; CD;				1	1

Table 4b
Seriations of the motives and pot types from the Early Bronze of Banat and Transilvania

Tab. 4b	Giroc Mescal	V. Timi- șului II	Sînicolau Mare	Periam I	Foeni	Seml. Mare	Periam IV	Periam III	Zoltan	Gornea Tärm.
Comb; EB;	1									
Comb; FA;	1									
Comb; EC;	1	1								
Textile; CC;	1	1			1					
Strips with comb; AH;			1							
Strips with comb; BE;		1		1	1					
Strips with comb; AB;			1	1	1					
Bark tree ; AE;	1				1	1				
H1					1	1				
Strips with comb; BC;				1	1		1			
I7						1				
N1						1				
N2						1				
Strips with comb; AE;						1				
Comb; EE;						1				
Strips with comb; AF;					1			1		
Strips with comb; AA;						1	1	1	1	1
Strips with comb; FA;							1			
Strips with comb; BF;							1	1		

Table 4c

Seriations of the motives and pot types from the Early Bronze of Banat and Transilvania.

Tab. 4c	Zoltan	Foeni	V.Timişului II	Giroc Mescal
I6	1		1	
Strips with comb AD	1		1	
Strips with comb AG	1		1	
K1	1	1	1	
Bark tree ; BG;	1	1		1
Textile; CA;	1	1		1
A2a		1		
A3a		1		
A7		1		
A8		1		
D3a		1		
D5a		1		
D6b		1		
DD1		1		
F5		1		
F7		1		
I2		1		
I3		1		
I8		1		
J1		1		
K4		1		
L1		1		
L10		1		
O2		1		

Table 5a
Seriations of the motives from the Early Bronze of Banat and Transilvania


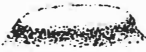
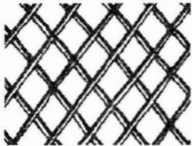
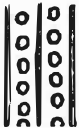







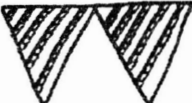




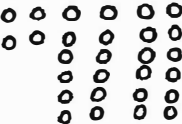







				
JF	JE	GH	JF	NC
				
HC	JD	AE	KE	JA
				
MD	GA	GC	HE	HF
				
IB	IG	JC	AB	LA
				
GE	GF	LD	JK	

Table 5b

Seriations of the pot types from the Early Bronze from Banat and Oltenia

Tab. 5b	Gornea	Foeni	Periam I	Zdup-OM	Silea - Orlești
J4	1				
H6	1				
A1	1				
A4	1				
B3	1				
B4	1				
B5	1				
D1	1				
E1	1				
E2	1				
G2	1				
AB E2	1				
AA	2	1			
D2a	1	1			
D2b	1	1			
D3b	1	1			
AC	2	1		1	
AF	1	2		1	
AG	1	2			1
BE	1	2	1	1	

Table 5c

Seriations of the pot types from the Early Bronze from Banat and Oltenia.

Tab. 5c	Runcuri I	Căzănești	R.Vâlcea	Teica	Bârsești	Runcuri III
JE	1					
JF	1					
GH	1					
IF	1					
MD	1					
NC	1					
P7	1					
HC	1	1				
JD		1				
HK	2	1	1			
AE				1		
JA		1		1	1	
GD	1				1	
MB	1				1	
KE			1		1	
HG					1	
GA					1	
P8					1	
GC					1	
HE					1	
HF					1	
IB					1	
IG					1	
JC					1	
AB					1	
LA					1	2
GE						1
GF						1
LD						1
JK						1
FC						1

Table 6a
Seriations of the motives of the Early Bronze from *Tószeg*.

Tab. 6a	Incision	Cmob	Impression	Barbotine	Besenststrich	Textile	Tree bark	Relief
Tószeg A;v			1				2	
Tószeg A;u			1	1			3	1
Tószeg A;t			3		3		1	2
Tószeg A;s					4			1
Tószeg A;p	1	1		2	2		1	1
Tószeg A;	1							
Tószeg B;o				1	2	1	1	1
Tószeg B;n	1					1		1
Tószeg B;m	2		1		5	3	4	2
Tószeg B;l				1	3	1	2	1
Tószeg B;k					4	2		
Tószeg B;j		1			1	5	1	1
Tószeg B;i	1	2			5	2	2	
Tószeg B;h	1	3	2		4	2		
Tószeg B;g		1	1		4	1		1
Tószeg B;f	1		2	1		1		

Table 6b1
Seriations of the motives and pot types of the Early Bronze from *Tószeg*

Tab. 6 b1	F	G	H	I	J	K	L	M	N	O	P	R	S	T	U	V	Y
;P11;relief												1					
15;relief												1					
11;incisions									1								
CC;Textile								1	1								
12;Incisions								1									
13;Incisions								1									
17;impresion								1									
AA;Tree bark								1									
BL;;Strips with comb								1									
EF;incisions											1						
BC;;Strips with comb		1						1			1						
AB;Tree bark					1			1			1						
BE;;Strips with comb		1						1									
BA;Strips with comb		1									1						
AF;Strips with comb					1			1					1				
AD;Tree bark							1	1									
;A1a4;impresion		1															
FA; Comb					1												
18; relief					1								1				
CB;Textile		1		1	2		1										
CF;Textile					1	1											
CA;Textile	1		1	1	1			2		1							
EA;Comb		1		1													
AB;Strips with comb		1	1			1	1						1				
AC;Strips with comb			1	1		1	1	1					1	1			
CD; Textile			1		1	1											
BF; Strips with comb						1											
24; relief							1										
BB; Strips with comb			2			1							1	1			
AC; Tree bark				1			1	1						1	1	1	
21;impresion			1														
22;impresion			1														
EE;Comb			1														
FB;Comb			1														

Table 6b2

Seriations of the motives and pot types of the Early Bronze from *Tószeg*.

Tab. 6 b2	F	G	H	I	J	K	L	M	N	O	P	R	S	T	U	V	Y
EB;Comb			1	1													
AG;Strips with comb				1													
BI;Tree bark				1													
BI;incisions				1													
BJ;Strips with comb				1													
BK;Strips with comb				1													
JA;relief		1												1	1		
AD;Strips with comb							1							1			
FF;incisions	1		1														
A1a1;impression														1			
A1a2;impression														1			
P6;P6;relief														1			
20;impression	1																
23;impression	1																
AA;Strips with comb				1						1							
DD;barbotine	1						1			1					1		
A1a3;impression														1		1	
A1a;impression															1		
AF;Tree bark															1		
AG;Tree bark															1		
17;relief										1							
AH;Tree bark										1							
BA;Tree bark										1						1	1

Table 6c

Seriations of the motives and pot types of the Early Bronze from *Tószeg*.

Tab. 6c	Incisions	Kamstr	Impression	Barbotine	Besenst	Textile	Scoarta	Relief
Tószeg A;u			1	1		1	3	1
Tószeg A;v			1				2	
Tószeg A;t			3		3		1	2
Tószeg A;s					4			1
Tószeg A;p	1				2		1	
Tószeg B;o				1	2	1	1	1
Tószeg A;n	1							
Tószeg A;m	2		1		5	3	4	
Tószeg B;k					4	2		
Tószeg B;l				1	3	1	2	1
Tószeg B;j		1			1	5	1	1
Tószeg B;i	1	2			5	2	2	
Tószeg B;h	1	3	2		4	2		
Tószeg B;g		1	1		4	1		1
Tószeg B;f	1		2	1		1		

Table 6d

Seriations of the pot types of the Early Bronze from *Tószeg A and Romania*.

Tab. 6d	Tószeg A	Zdup-OM	Gornea	Periam I	Sânicolau Mare
11	1				
12	1				
13	1				
14	1				
15	1				
EF	1				
P6	1				
BB	2				
JA	2	2			
AD	1	1			
BA	3	4			
18	1	2			
DD	1	3			
JC		1			
JK		1			
HD		1			
JG		1			
JI		1			
QA		1			
JB		3			
FB		2			
BD		1			
CF		1			
BH		1			
CD		1			
CB		1			
AC	5	4	2		
AF	2	1	1		
BC	1	1		1	
AG	1		1		
BE		1	1	1	
AB	2	5	3	1	1
AH					1

Table 6e
Seriations of the pot types of the Early Bronze from *Tószeg B.*

Tab. 6e	Silca- Orlești	Periam IV	Periam III	Giroc - Mescal	V.Timișului II	Zoltan	Foeni	Tószeg B	Șemlacu Marc
JB	1								
IA	1								
JH	1								
FA	1	1		1					
BF	1	1	1				1	1	
AG	1				1	2	2	1	
CD	1					1	1	3	
AB	1					1	2	4	
BC		1					1	2	
EC				1	1				
BG				1		1	1		
AA		1	1			2	1	3	1
D7					1				
AF			1			1	2	2	
BH						1	1		
BD							1		
CE							1		
CC				1	1		1	2	
EB				1			1	2	
AH						1	1	1	
BE					1		2	2	
AD					1	2	1	3	
BA							1	1	
CA				1		1	1	7	
EA							1	2	
AC						1	1	5	
CB						1	1	5	
AE				1			1		2
BB						1	1	3	1
DD								1	
FB								1	
CF								2	
17								2	
20								1	
21								1	
22								1	
23								1	
24								1	
BI								2	
BJ								1	
BK								1	
BL								1	
FF								2	
EE							1	1	1
DB									1

Table 7a

Seriations of the pot types and decoration of the Early Bronze from *Tószeg A and Romania*.

Tab. 7a	B A	B C	D D	A B	A C	A H	A F	C D	B H	C B	B E	B F	A G	A D	A A	C A	B B	B G	E E	E B	A E	C C
Tószeg A;y	1																					
Tószeg A;v	1				1																	
Tószeg A;p	1	1		1																		
Periam I;		1		1							1											
Sînnicolau Mare;				1		1																
Tószeg A;u			1		1		1						1									
Zdup-OM;	1	1	1	3	1		1	1	1	1	1			1		1						
Tószeg A;o	1		1			1									1	1						
Gornea;				3	2		1				1		1		2							
Tószeg A;s				1	1		1										1					
Silea- Orlești;				1				1				1	1									
Tószeg A;t					2									1			1					
Zoltan;				1	1	1	1	1	1	1			2	2	2	1	1	1				
Foeni;	1	1		2	1	1	2	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1
V. Timi- șului II;											1		1	1								1
Șemlacu Mare;															1		1		1		2	
Giroc - Mescal;																1		1		1	1	1
Tószeg A;n																						1

Table 7b

Seriations of the pot types and decoration of the Early Bronze from *Tószeg B and Romania*.

Tabel 7b	J B	C F	B F	F A	C D	A B	C B	D D	A F	A G	B A	A C	B C	A D	C A	B E	J A	B B	E A	E B	C C	B G	A A	E E	A E
Zdup-OM;	2	1																							
Silea-Orlești;	1		1	1	1	1				1															
Tószeg B;k		1	1		1	1						1						1							
Tószeg B;j		1		1	1	1	2		1						1										
Zdup-OM;	1				1	3	1	1	1		1	1	1	1	1	1									
Tószeg B;l						1	1	1				2		2											
Tószeg B;g						1	1				1		1			1	1		1						
Foeni;			1		1	2	1		2	2	1	1	1	1	1	2		1	1	1	1	1	1	1	1
Tószeg B;h					1	1						1			1			2		1				1	
Tószeg B;m						1			1			2	1	1	2	1					1		1		
Tószeg B;l							1			1		2			1				1	1			1		
V. Timișului II;										1					1	1					1				
Giroc - Mescal;				1											1					1	1	1			1
Șemlacu Mare;																		1					1	1	2