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A UNIQUE SOUTHEASTERN VESSEL TYPE FROM EARLY CHALCOLITHIC TRANSĐANUBIA: DATA ON THE “WESTERN ROUTE”

CHRONOLOGICAL FRAMEWORK

There are two staring points when dealing with connections between the Vinča culture and different phases of the Neolithic and Chalcolithic in Transdanubia (western Hungary). On the one hand, the western part of the Carpathian Basin is considered to be at least one of the key areas for mediating neolithic cultural impulses to Central Europe. On the other hand, there is evidence that the Vinča sphere of influence determined the whole neolithic development of a large area in the Mid-Balkans. Thus, it is no wonder that contacts between the two regions have been analyzed in numerous studies. These contacts can be demonstrated repeatedly for various phases of the Neolithic, actually each time along very similar geographic routes, as we shall see later. While in some of these periods the network of communication is satisfactorily clear, some of them are still problematic. Here, I wish to focus attention on a less well understood period. This is the end of the Vinča culture which has connections with the latest phase of the Lengyel culture. In absolute terms, it dates to about 4300 BC. The presentation of a unique find group, found in southwestern Transdanubia from this period may help in the reconsideration of old and new data concerning Balkan-Aegean trade routes and cultural contacts with western Transdanubia. These routes may have played an important part in the process of “chalcolithisation” i.e. the spread of Chalcolithic inventions; even on into Central Europe as well. (Fig. 1.)

In the last few years it became increasingly clear that there was no chronological or cultural gap after the long-lived Lengyel culture. Rather the development can be characterised by a peaceful continuity in the lifeways of the local population, which came to be more and more influenced by cultural contacts and probably also related to the appearance of smaller groups from southeastern regions which infiltrated into the region. The first wave of Balkan cultural phenomena first impacted the latest Lengyel population! For this study, I have chosen the unique vessel type presented here as a vehicle for following the routes of influence, using a method of seeking parallel pieces: a cross-checking within synchronous and diachronous cultures.

Concerning the impact of the Vinča culture on contemporary Transdanubian peoples, two, more-or-less, well researched periods provide a terminus post quem. First, the transition between the final, Spiraloid B phase of the Starčevo culture, as well as the Vinča A phase and the earliest Linearbandkeramik has been thoroughly analyzed and discussed.

Similarly, another stronger wave of Vinča influence reached Transdanubia, especially its eastern part, during the Vinča C period. It most probably played an important role in the formation of the Zseliz and Sopot-Bicske types into the early Sé-Lengyel I culture or Lužianky in the North. This period, the Sopot, Bicske and the earliest Lengyel culture is again discussed in detail.

The next period with widely known southeastern elements can be dated to immediately after the dissolution of the Vinča D2 culture. This horizon, called Middle Chalcolithic in Hungarian terms, can be characterised by the early Bodrogkeresztúr (A) and classical Sâlcuţa (III) phases in the eastern and southern parts of Transdanubia, as well as the widely extended Lasinja circle in western Croatia, Slovenia, southeastern Austria, called the Kanzenianberg group, as well as the Bisamberg-Oberpullendorf group in Lower Austria. In Transdanubia, a very similar formation is called the Balaton-Lasinja culture. This period is not only a terminus ante quem for Vinča development but also for the time period in Transdanubia under discussion here.
The time period between these two entities, the late Neolithic and the earliest Chalcolithic, is filled by the long-lasting Lengyel culture. Although this culture extended over a large territory from southwestern Hungary to Moravia and Little Poland, the early and the white painted pottery types are fairly uniform both in the eastern (Lengyel) and the western, Moravian Painted Ware cultural sphere. However, in its last, so-called unpainted phase we find much stronger differences. These differences may have been basically caused by the decreasing intensity of Mid-Balkan cultural contacts towards the northern and eastern areas of the Lengyel culture. Recently, I have elsewhere attempted to demonstrate that the names of cultures which evolved on Lengyel soil, such as Ludanice or Balaton-Lasinja, are nothing but reflections of the larger or smaller proportion of Balkan contacts with the surviving Lengyel population. Certainly, it was precisely the strongest impulses which reached the southern borders of the huge Lengyel sphere of influence, namely, southern and southwestern Transdanubia.

These effects, as has already been noted, did not begin with the Balaton-Lasinja culture, but somewhat earlier, in the latest phase of the Lengyel culture.

NEW DATA ON THE EARLY CHALCOLITHIC (FINAL) PHASE OF THE LENGYEL CULTURE

In the last few years, two microregional projects and a number of other sites from this latest phase of the Lengyel culture have been excavated in County Zala. Meanwhile, similar sites were published from the Slovenian Murska Sobota district, Bukovnica; located quite close to our microregional study area, and also from County Vas, some kilometres northwards. On these settlements we have all found the late, so-

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1 BÁNFFY 1994; BÁNFFY 1996b.

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called unpainted phase of the Lengyel culture, which is, in fact, not quite unpainted, since on rare occasions, some traces of monochrome crusted red paint occur. On the basis of my own results in Balatonmagyaród and Zalaszentbalázs, I set up two clusters of characteristics. The first pattern reflects the traditional Lengyel forms of the pottery, while new elements are grouped in the second one.

We find, as a leading form throughout the whole Lengyel culture, profiled bowls with everted rims in traditional Lengyel ware. (Fig. 2) Two distinct subtypes of pots can be observed: one with an everted rim and occasionally some knobs on the belly, and the so-called butt-shaped pots, again a long-lasting, traditional form. Vase-shaped vessels appear, sometimes with quite thin necks. Almost each type of the normal pottery can be found among the small-sized vessels. These vessels were quite often painted in the early Lengyel phases. Perhaps this is why most of the pottery of this type uncovered at Zalaszentbalázs exhibit traces of monochrome red paint. The hemispherical clay spoons with shaft-holes were present throughout the culture while strainers, human figurines, animal figures and small clay altarpieces represent the small finds. The number of altarpieces, 13 alone from Zalaszentbalázs, is extremely high, especially for a late Lengyel context.

Among the newly appearing forms the following can briefly be noted:

The new, foreign ware in the late Lengyel assemblage (Fig. 3) that is believed to be of southern origin can be divided into two groups: 1) those wares present in Central Transdanubian late Lengyel assemblages (Veszprém, Tekeny) and 2) those wares appearing in the southwestern border area only. I must confess that earlier, in a summary work, I was inclined to consider that there was a diachronic sequence between the two characteristics. On the basis of latest evidence, it seems likely that the two subtypes appear in two complementary regions, i.e. in central and southwestern Transdanubia. Therefore, I cannot exclude that the Zalaszentbalázs type material represents the final Lengyel phase in southwestern Hungary. In other words, it is possibly a geographic, rather than a chronological phenomenon.

1. The first, central Transdanubian group includes vessels with slightly bell-shaped pedestals, the coarse egg-shaped pots with thick walls, and the storage vessels with cylindrical necks and impressed rims. The biconical bowls and mugs that belong here have no sharp joins and have slightly concave walls.

2. Besides the vessels mentioned above, the Zalaszentbalázs group can be characterised by the use of large bowls with spouts, conical bowls with thickened rims, and biconical bowls with sharp joins below the rims. These latter bowls are markedly different from the biconical bowls that had appeared in Austria during the preceding phase. While the Austrian bowls are always concave below the rim, the Late Lengyel bowls have quasi-convex bodies. Some of the conical bowls have peculiarly thickened vertical protrusions or triangular warts on their rim. The tubular supports are either slightly bell-shaped or have a conical thick-set form. The latter often have two pierced round holes in them, which makes them similar to the early Chalcolithic pedestals prevalent in Eastern Hungary. The smaller rim fragments with handles most probably come from jugs, but we are not yet able to determine whether these jugs had one or two handles. This group also includes black polished graphite covered vessels, which were clearly local products, as pieces of raw graphite were found in the fill of a pit near the place where this black polished ware came to light. Apart from these types, there is a group comprising some small, oval or slightly ellipsoid mouthed vessels, with two longish, perforated vertical handles running down their sides: this short study is devoted to this type, earlier unknown in any Lengyel culture ceramic context.

CONNECTIONS FROM THE MID-BALKANS TO THE UPPER DANUBE BASIN: THE “WESTERN ROUTE”

All these characteristics, enumerated in section 2 appear in a traditional Lengyel environment. These sites have a typical neolithic settlement structure and stone industry. The best parallels to the newly appearing features should evidently be sought in the southeast: the Sopot-III-Vinče D2 substratum, which

5 Bánffy 1994; T. Bíró 1996.
6 Bánffy 1996b.

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Fig. 2. Traditional Lengyel pottery characteristic of the latest phase
Fig. 3. New, Balkan elements from the latest phase of the Lengyel culture in southwestern Transdanubia
is not only coeval with the final phase of the Transdanubian Lengyel culture, but which also had proven contacts with all these groups.7

However, more exact research into these contacts is still problematic. Namely, it is well known that the final, D2 phase as well as the end of the Vinča culture still need to be clarified in the research on the culture. In contrast to the large Vinča distribution during the heyday of the culture (i.e. Vinča C), the few sites of the D2 phase are restricted to a small area in Vojvodina: Gomolava, Vinča, Obrež-Beletinci.a There is also the hypothetical D3 phase, suggested by Bogdanović on the basis of the Divostin sequence.9 This phase and pottery type has generally not been accepted as an individual period.10 Still, the few traces of the D2 level contain pottery types which are strikingly similar to our final Lengyel pottery. At the site of Gomolava, the stratum of the “aeneolithic humus” i.e. Gomolava II covers, i.e. was found right above, a C-D1 phase level. Thus, it could be identified with the Vinča D2 period.11 The same Vinča D2 material was published from Obrež-Beletinci.12

The site of Bapska was the first to yield material which demonstrated how far west the Vinča influence extended. Here, the late Vinča (D1) people settled above a Sopot stratum.13 More recently, some new assemblages have been published from eastern Slavonia and the Srem region, which display the characteristics of the late Vinča, especially Sopot II and III, and also late Lengyel ware. Such sites include Grabovac and Kneževi Vinogradi.14 A similar sequence of late Sopot-Lengyel levels covered by a Lasinja occupation has been reconstructed by N. Tasić in Gradina-Bosut. He also noted that the Bosut sequence is a good example of late Sopot-Lengyel and Vinča connections in the early Copper Age Slavonia and Srem, while he also considers it to be important that the traces of Lasinja settlement immediately followed the latest Sopot-Lengyel features, without any break.15 Tasić identified the Bosut finds as belonging to the late Sopot III–unpainted Lengyel “degenerierte Phase” (degenerate phase), which marked the pre-Chalcolithic transition period.16 According to N. Tasić, this phase was characterised by the spread of Vinča D2 toward the northwest as far as Bapska, and also by the spread of the late Sopot-Lengyel culture toward eastern Srem. In my opinion, the Bosut stratification, which proves the continuity of the Lengyel-Balaton-Lasinja cultures and the phenomena I have discovered in southern Transdanubia mutually support each other.

Finally, Z. Marković drew attention to the phenomenon of the mixed pottery features he found at his site, Seče.17 According to him, the Seče group consists of at least six other sites with the same material from northwest Croatia and Slovenia, in the Mur-Drava and Sava midlands, like Krč-Beketinec.18 Marković also collected similar elements, constructing an early Chalcolithic horizon from the Vinča D2, the Prototiszapolgár, the Nitra-Brodzany phase of the Lengyel culture and the late Moravian Painted Ware cultures.19 This horizon is seemingly earlier than the Lasinja-Balaton-Bodrogkeresztőr phases. Among Slovenian publications we find the same late mixed Sopot-Lengyel assemblages, such as Andrenči in Slonske Gorice20 and Bukovnica, already mentioned above.21 This horizon is sometimes called “Proto-Lasinja” by the excavators, as a sign that these connections can somehow be considered as an avantgard, an outpost of the immediately following Middle Chalcolithic Lasinja horizon. In terms of the above types, Zalašzentbalázs could well be considered as belonging to the same time horizon. This name also fits the pottery of Kisunyom, Újperint in western Hungary.22 Actually, the content of the MOG IIa phase, and the expression “Epi-Lengyel” is no different from “Proto-Lasinja”, as E. RuttKay rightly pointed out.23 The sites of Ste-

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9 BOGDANOVIĆ 1990, 105.
11 BRUKNER 1980–81, Fig. 4–5.
12 BRUKNER 1962.
15 TAŠIĆ 1986, 52.
16 TAŠIĆ 1986, 52.
17 MARKOVIĆ 1985.
18 MARKOVIĆ 1980.
19 MARKOVIĆ 1985, 28–32.
Fig. 4. The trade and cultural route through western Transdanubia in about 4300 BC.


As to Moravia, P. Kostuřík assigns the bulk of the finds discovered at the site of Unicov/Olomouc to Phase IIb of the Moravian painted culture, i.e., to the Early Chalcolithic. The assemblage from Uherský Brod in eastern Moravia has the same date.\(^{27}\)

\(^{24}\) Süss 1969.
\(^{25}\) Obereder 1989.
\(^{26}\) I was also able to have a glimpse at the finds through the courtesy of E. Ruttkay to whom I wish to express my gratitude here. I am also grateful for her continual discussion and improvement of my work.
\(^{27}\) Pavelčík 1974.
We have several objects dating from the earliest phase of the Jordanow culture at our disposal that show this culture’s southeastern associations. During his discussion of the neolithic site at Dolni Vestonice, I. Rakovsky says that its associations are more marked with the Balaton-Lasinja culture in Lower Austria and western Transdanubia than with the Ludanice culture in neighbouring western Slovakia. This opinion appears to support the view voiced by N. Kalicz and again by E. Ruttkay, that the Bavarian, the Bisamberg-Oberpullendorf, and the Jordanow groups were parts of the same cultural complex in Moravia, in which the influence of the Balaton-Lasinja culture was predominant.

Following the regions and sites which have similar pottery types, from the Vinča tell and Gomolava to eastern Austria, a geographic route of cultural and trade contacts through Transdanubia appears. (Fig. 4)

THE “RÜSSELHENKEL” (ELEPHANT LUG) VESSEL TYPE AND ITS SOUTHEASTERN CONNECTIONS

After having sketched out the background, following coeval and similar assemblages from the nucleus area of the Vinča culture through Transdanubia and further on to Central European regions, I intend to complement our present knowledge with a discussion of a new vessel type from the latest Lengyel context. This type may sustain and confirm the existence of real trade and cultural contacts over even longer distances: not only starting in the Mid-Balkans but also from the Aegean to the western Carpathian Basin and on into Central Europe in the final centuries of the 5th Millennium.

This unique vessel form came to light in the latest Lengyel settlement known to date, found in Zalaszentbalázs.

This vessel is a rather small, thin-walled mug (Fig. 5; Fig. 6), actually a basic form that is also quite common in other contemporary cultures, e.g. in Tiszapolgár A and in Slovakian late Lengyel assemblages. However, this vessel has two unique features. First, it has an oval or rather slightly ellipsoid-shaped mouth. Secondly, there are two small perforated knob-like handles on both narrow sides. The handles continue as vertical ribs right to the base. One vessel of this type could be reconstructed almost completely (Fig. 6): the rim may rise somewhat higher, but not more than one or 1.5 cm, since the vessel wall grows very thin near the handles. Apart from this example, four more fragments belonging to vessels of this type were found in Zalaszentbalázs (Figs. 5.1,3,4)32; (Fig. 5.2). Three of these finds came to light inside dwellings, the fourth and the fifth pieces comes from a refuse pit. The number of these finds indicates that this vessel cannot be considered a chance find, a mistake by the Zalaszentbalázs potter. Nevertheless, this mug also finds very good parallels beyond the already established Vinča connection area which deserves more attention.

In spite of all obligatory caution, these parallels should not be neglected. Namely, strikingly similar vessels are quite common in a chronologically close, but geographically more distant area. This vertical rib on the mug is called an “elephant lug” or even more commonly in the literature by the German expression “Rüsselhenkel”. The rib has been described as occurring in a well-defined horizon in time and space. H.-J. Weisshaar describes the earliest level of the Rachmani culture, i.e. the oldest level in Pevkakia Magula, that of House 704, as the level which follows the Dimini layer immediately. This level is characterised by red slipped ware, late crusted ware, rolled rims, “Rüsselhenkel” and a small vessel with an oval cross-section.34 (Fig. 7.1-6) Thus, this vessel type appears in this horizon, and continues to be used in later phases of the Rachmani culture.35 The perforated vertical handles also appear in early Cycladic assemblages.36 “Rüsselhenkel” vessels have earlier been published from Rini Magula and from Zerelia. They belong to the same horizon, appearing on the side of the Γ3γ type vessels37 and also from pit “C” at Otzaki.38 H. Hauptmann also mentions a small asymmetrical vessel with an oval cross-section from pit “C” that can be

28 KUTZIAN 1963, in numerous graves and types c,d,e in the 123. (typological) plate; VLADAR–LICHARDUS 1968.
29 BÁNFFY 1996a, Pl. 98, No. 168.
33 WEISHAAR 1988, Pl. 133.
34 GETZ-PREZIOSI 1977, Figs. 83–84.
35 WACE–THOMPSON 1912, 131, Figs. 79/1, o, 101.
36 HAUPTMANN 1981, 201, Fig. 46/9.
Fig. 5. “Rüsselhenkel”, Zalaszentbalázs-Szőlőhegyi mező. 1–4: Excavation by E. Bánffy; 2: Excavation by M. Bondár

Fig. 6. “Rüsselhenkel”, Zalaszentbalázs-Szőlőhegyi mező. Excavation by E. Bánffy
dated to the early Rachmani culture. Certainly, it is not only the vessel type discussed here that reflects the very close contacts between the early and medium phase of the Rachmani culture and the grave goods from Kephala at Keos. It should also be noted that some of the so-called “scoops”, asymmetrical rhyton-like cult vessels, also have oval or ellipsoid mouths. Other “Rüsselhenkel” occur outside of the early Rachmani culture area, but still in the Aegean, such as the southern slope of the Akropolis, from Kephala and from the Athenian Agora. (Fig. 7.9) This clearly defined horizon, first named by C. Renfrew as the Attika-Kephala or Aegina-Agora group has been well described in two studies by A. Dousougli. In concordance with Renfrew and Coleman, Dousougli considers that this horizon marks a transitional period immediately after the Final Neolithic, but definitely before the beginning of Early Helladic. They date it to between 4300 and 4000 BC. She characterises this horizon by the use of red slip, sometimes red crusted paint, perforated pedestals, biconical ware. The “elephant lug” or “Rüsselhenkel” is mentioned as an especially important type.

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39 Caskey 1964.
40 Hauptmann 1981, Fig. 47/1, 3, 4a, 5.
41 Platon 1964, Fig. 25/2.
42 Caskey 1964, Pl. 47/b,e; Hauptmann 1971; Coleman 1974; Coleman 1977, Fig. 31, 33, 43, 103.
43 Immerwahr 1971, Nos. 126, 129, 196.
44 Renfrew 1972.
46 Coleman 1974; Coleman 1977.
47 Dousougli 1992, 276.

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The chronological connections between the Attika-Kephala culture and the Rachmani horizon became evident following some recent excavations. Ten years ago, research in the Zeus cave at Naxos yielded an exact stratigraphy from the Neolithic to historic periods. The excavator, K. Zachos, found that the oldest level contained crusted painted and black polished pottery. Above this level, the material of the Attika-Kephala group was found, with well established parallels to the early and middle layer of the Rachmani culture. With the help of this chronological sequence, Zachos was able to distinguish three phases from a period which Weisshaar thought to be single whole: the Saliagos, Kephala and early Cycladic phases. This more exact chronological sequence may also provide a better basis for our cross-checking method with northern pottery types.

This relative and absolute dating fits not only the lowest Rachmani layer, but to the earliest Chalcolithic of the middle Balkans and Carpathian Basin as well. It may also be apparent that besides their synchronous occurrence numerous features characterising the Attika-Kephala horizon, are also typical for the southwestern distribution area of the latest Lengyel culture. However, the parallels will remain useless if these two distant and as yet discrete points on the map cannot be connected to each other by contact finds, throwing a bridge between the two remote areas. Fortunately, the assemblages which show contacts are found in coeval contexts in the southern and central Balkans, as can be seen below.
Completing the contacts of this Thessalian and Aegean horizon, Kumtepe Ia on the Thracian coast, Kritsana-typed pottery in Macedoniana,60 phase III with its graphite ware in Sitagroi61 (Fig. 8.2) and, even more important from our present point of view, the Gumelnița-Kodžadermen-Karanovo VI period is defined as having clearly demonstrable contacts with other societies of the Balkan Chalcolithic. We can discover related features from the same horizon, directly north of the Attika-Kephala horizon, and even northwards from Thessaly.

The northern and northeastern connections between the early Rachmani culture and the Thracian-Macedonian region, represented by graphite ware and Thracian Galepos pottery is shown by H.-J. Weisshaar.51 Now, let us take a look at the “Rüsselhenkel” type and also at other Balkan late Neolithic-early Chalcolithic features, like rolled rims, oval-ellipsoid mouths, biconical profile lines and graphite ware which is especially common both in Transdanubia and in Thessaly52

First, we should mention the Maliq IIA phase in Albania. After the preliminary descriptions of F. Prendi,53 M. Korkuti provided a detailed analysis of this horizon,54 and most recently in a thorough monograph.55 Apart from the chronological horizon exactly described as fitting our early Chalcolithic, the latest phase of the Lengyel culture,56 graphite pottery is mentioned as a type and technique coming from the Middle Balkans,57 as well as “Rüsselhenkel” vessels from Maliq58 and from Burimas II59 (Fig. 7.8), including some mugs with oval mouths.60 (Fig. 7.7) Korkuti also makes mention of spiraloid decoration as linking the Maliq IIA horizon with the early Lasinja culture.51

Further to the north, we can find very similar types in related Pelagonian and Mid-Balkan cultural formations: those of the Crnobuki culture with its crusted red paint, rolled rims and graphite ware and even the Bubanj Hum Ia horizon have very much in common with the Sâlcuța and latest Vinča assemblages, as regards their ceramic ware with its crusted paint, rolled rims and graphite decoration. The mutual contacts which are also manifested in the Tiszapolgár and late Bapska-Lengyel perforated and bell-shaped pedestals which are found over the whole of the Balkan peninsula. (Fig. 3.12) Among the cultural formations mentioned here, it is the Sâlcuța culture that offers especially close parallels to the southwest Transdanubian borderland pottery within the late Lengyel sphere. Many examples, almost identical to the Zalaszentbalázs types, can be found in Sâlcuța I-III assemblages, but particularly those in the IIB and III horizon (e.g. vessels with biconical profiles, thickened-rolled-rims, spouted vessels, egg-shaped pots, etc.61 (Fig. 7.3-9, 8.11)

After this short enumeration of cultures where parallel ceramic finds occur and probable contacts, a picture can be drawn of a broad horizon, synchronising some early Chalcolithic cultural formations from Thessaly, Macedonia, Thracia, Pelagonia, the Banat, Oltenia, Serbia, Slavonia, East and Southwest Hungary. The crucial point of this scheme are marked by late Lengyel, Tiszapolgár, late Vinča, the Karanovo VI circle and the early Rachmani cultures, connecting the Carpathian Basin to the Balkan Peninsula and through this to the Aegean world. The question is, however, what historical processes, what sort of a cultural history could be imagined as a background to these processes?

M. Garašanin assumes that it was the Bubanj Hum formation in Serbia that played the transmitting role between the above-mentioned southeast European cultures and Vinča.64 Somewhat modifying Garašanin’s early opinion, however, I would argue for a reconstruction of this transmission not only as

48 HEURTLEY 1939, 158–161; PARZINGER 1993, Pl. 141/10.
50 WEISSHAAR 1979.
51 RENFREW 1970, 45, 48.
52 PRENDI 1966; PRENDI 1976.
54 KORKUTI 1996.
57 PRENDI 1976; Fig. 16/10.
58 KORKUTI 1996, Fig. 92/10.
59 KORKUTI 1996, Fig. 96/1, 96/13.
62 BERCIU 1961, 251, Fig. 80, 260, Fig. 93; BERCIU 1961, 268, Fig. 99; BERCIU 1961, 300, Fig. 125; BERCIU 1961, 319, Fig. 142.
63 GARAŠANIN 1958, 58–60.
moving in a south to north direction, but also in the opposite direction. The mutual contacts, a network of communications and the lesser importance of looking for a prior area is clearly shown by finds like the well known clay imitation of the Gumelnita and Tiszapolgár golden plates, the “Ringidols” found in the Thessalian Pevkakia Magula.65 Returning to the “Rüsselhenkel” vessel type, before attempting trace the movement of the type from the southeast to the northwest or the converse, we must consider some identical pieces from Vinča assemblages in the Romanian Banat. From a most recent publication F. Drașovean dates the “Rüsselhenkel” mugs from Hodoni (Hodony) to the Vinča C phase which precedes the late Lengyel culture and also the entire horizon discussed here.66 Similar connections between the Vinča C2D phase and the earliest Rachmani culture can be established at the eponymous settlement.67 (Fig. 7.10) Consequently, one may not exclude the possibility that the primary occurrence of this type lies in some middle area, in the Vinča distribution area. It might have spread at the beginning of the Early Chalcolithic through two way trade and contact routes: it could reach the Lengyel area following the Drava and Mura valleys, and meanwhile, down the Balkan rivers towards the Aegean.

CHRONOLOGICAL CONSEQUENCES

With the help of such examples it can perhaps be demonstrated that the thinking that change moved in only one direction is not very useful in this early Chalcolithic horizon. This conclusion was first suggested by B. Brukner, who published a map of southeastern Europe which reflects the coeval cultural formations as being in contact with each other from Transdanubia to Thessaly.68 Similar considerations can be read in Chapman’s summary work.69 This horizon was more recently discussed in detail in works by N. Tasić, B. Jovanović, J.-P. Démoule, J. Lichardus and H. Parzinger. Each of these studies concludes that this was a time which saw increasingly unifying cultures. N. Tasić calls this period the first step of the chalcolithisation, “Äneolithisierung”, consisting of three grades.70 Jovanović suggests the existence of a cultural unit including the Vinča distribution area (his Gradac II and III phases) together with Central Bulgaria, Thracia and Thessaly.71 Before postulating the emergence of steppe groups with high social ranks,72 J. Lichardus stressed the continuous development up to the early Chalcolithic on the whole huge area on the one hand,73 and on the other hand, the formulation of Central European Chalcolithic cultures inspired by the horizon discussed here.74 In the chronological table composed by J.-P. Démoule, this horizon again appears as the oldest phase of his “chalcolithique ancien”.75 He makes it clear that we can talk about a great integration and stylistic unification over the whole area.76 Finally, the studies of H. Parzinger must be mentioned here, as good summaries of the problems surrounding this integration between the Rachmani culture and its neighbours.77

The cultural process of transmission and chalcolithisation, as well as the very likely cultural and trade route from the Vinča area to the Upper Danube valley through Transdanubia was discussed in detail in two recent publications already mentioned here. I have also used a map to show the presence of contexts with mixed late Lengyel, Vinča and Sâlcuţa elements on a map. The sites clearly follow the Drava and the Mura valleys.(Fig. 10)

What help can a new type, the “Rüsselhenkel”, now demonstrably common in the early Chalcolithic of southeast Europe be in resolving some of the problems still surrounding this period?

First, such data may enrich what we know about the existence of an unified horizon found over a vast geographic area at the beginning of the Chalcolithic, and also the essential role of the late Vinča cul-

65 Weisshaar 1988, 51–52, Fig. 88.
66 Drașovean 1996.
67 Vasic 1936, Fig. 241.
68 BRUKNER 1982–83, 11–12, Fig. 3.
70 TASIĆ 1991, 265.
71 JOVANOVIĆ 1993, 68–69.
73 LICHARDUS 1988, 84.
74 LICHARDUS 1986.
78 BANFFY 1996b; BANFFY 1996c.
ture in developing this unity. Second, this is certainly not the first attempt to cross-check the chronological and cultural development of the Carpathian Basin and the Balkan Peninsula. However, this scheme presented above may somewhat modify some earlier opinions about this development. Some fifteen years ago, P. Raczky connected the beginnings of the Rachmani culture to Bodrogkeresztúr assemblages, repeating the same opinion more recently. *30*

Setting out from the new evidence, however, including occurrences of the “Rüsselhenkel”, it seems ill-advised to draw parallels between ceramic assemblages of the Bodrogkeresztúr culture and those from the beginning of the Rachmani I culture (“...the classic Gumelnita-Karanovo VI-Vinča-Pločnik-Tiszapolgár period entirely precedes the Rachmani culture.”). *31* On the contrary, the opinion seems to be reinforced that the beginning of the Rachmani culture can be regarded coeval with the preceding Tiszapolgár and latest Lengyel horizon. This also serves as a new fixed point which might anchor the relative sequence of the Carpathian Basin to that of southeast Europe. The special importance of all these factors lies in the fact that this fixed point belongs in the Lengyel cultural formation which, in fact, has a verified and well worked out chronological relationship with assemblages to the north and west, the Central European sequence.

Further on, the trade and cultural contacts between remote areas become a little clearer. The Balkan sites lie along this route from the shrunk territory of the Vinča D culture, through Slavonia, Slovenia, southwestern and western Transdanubia, the Vienna Basin and finally the Vienna Basin and southern Bavaria. Now it has become clear that these contacts do not originate in the Mid-Balkans but part of a larger system in which the early Rachmani and coeval Aegean-Thessalian cultural formulations are also involved.

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30 RACZKY 1982.
31 RACZKY 1988, 51.
As to the latest phase of the final Lengyel culture, it can be considered a more mobile period than the preceding phases, both in terms of territorial expansion and as regards mutual cultural exchanges. This completely fits in with our understanding of the instability that marked the beginning of the Early Chalcolithic.

As the very same route can be reconstructed immediately after the end of the Lengyel culture at the time of the Lasinja expansion, it can be assumed that the process began a phase earlier in the whole region.

It is also worth mentioning why the communication areas appear to be fairly similar in the very different Neolithic and Chalcolithic periods. More recently, a map published on the so-called “green corridors” (i.e. mostly river valleys with a balanced and wet microclimate) appear identical to the routes along which the finds and find complexes studied here occur. These routes include the Axios-Vardar-Morava and Struma valleys in the south (the Aegean groups and the Thessalian Rachmani culture); the lower part of the Danube with its tributary rivers (the Sâlcuţa-Krivodol cultures) and; the Sava-Mura and Rába rivers in the west (the final Lengyel culture) up until the Danube again to complete the “green corridor” areas to the west and northwest (Epi-Lengyel, Münchshöfen groups).

CONCLUSIONS: THE “WESTERN ROUTE” AND THE EAST-WEST DIVISION OF THE LENGYEL CULTURE

Finally, a question has to be put about the people themselves, the ones “responsible” for the changes. Did this route act as a mediator for cultural inventions or can it be considered the archaeological heritage of a particular migration?

In my opinion, it is just possible that this process also entailed the influx of a limited number of people from the southeast. At the same time, it has become clear that in Zalaszentbalázs and its environs, the main reason behind the changes was not foreign ethnic influences on the surviving Lengyel population but instead a series of impulses which inspired the people of the late Lengyel phase to gradually relinquish their neolithic practices. A definite dry period, a climatic change in the Early Chalcolithic, marking the last centuries of the 5th Millennium BC, might have encouraged this process. These factors mobilised the previously static population, and as a result, the large neolithic-type settlements were transformed into a number of smaller, single-layer settlements, where animal keeping was of growing importance. This mobility is believed to have resulted in better communication among the various ethnic groups, which in turn promoted cultural and commercial contacts among them. After the Linear Pottery expansion, the Vinča D2-Sopot III-Lengyel III-MOG IIA horizon outlined above must have been the first of numerous waves of Aegean-Balkan influences into Central Europe. Shortly afterwards, the western Transdanubian Lengyel-Balaton-Lasinja culture mediated the Chalcolithic life-style and practices from southeast Europe towards the northwest.

The question is also to be raised, concerning the usefulness of all that has been said about this so-called “western route” into Central Europe. By reconstructing this cultural route, new light can be shed on at least two problems.

First, it can be explained why the material from all late Lengyel sites in western Hungary differ so sharply from that of the Zengővárkony types in eastern Transdanubia, but display striking similarities with the Moravian Painted Ware culture i.e. the northwestern group of the cultural formation. The old problem of the differences between the whole eastern and western Lengyel cultural sphere should also be mentioned here, as the border between the two groups divide Transdanubia along a north-south line extending through about the middle of lake Balaton. Evidently, the late Lengyel sites showing strong southeast European influences all fall within the distribution area of the western group.

Secondly, the existence of this cultural and trade route explains to a certain extent why the Middle Chalcolithic Jordanow-Jordansmühl culture has a certain Lasinja character, in contrast to the pure Lengyel

character of the Ludanice culture east of its territory. Similarly, regarding the end-stage of this route, we can to some extent explain the existence of the hitherto isolated late Bavarian Münchshöfen vessel types, described as a separate phase (the Wallerfinger phase) only on the basis of their clear southeastern, post-Vinča and Balaton-Lasinja features.

In this way, the instability and disintegration which characterised the end of the Mid-Balkan Vinča-Pločnik culture was one positive factor in the influx of Chalcolithic inventions to Central Europe, transferring them most probably through this “western route” during the final phase of the Lengyel culture, around 4300 BC.

As he looked for unified relative chronological horizons, H. Parzinger had to restrict the conclusions concerning his horizon 8 mainly to the eastern part of the Carpathian Basin, mentioning that there were not enough well-founded data as far as the western Balkan area and Transdanubia are concerned. Now, the analysis of the unique mug type from Zalaszentbalázs, with its not only Central Balkan, but further on to the south and east, Aegean parallels, shows the intensity and manifold character of this cultural and trade route supporting a system of continual communication. In many points this resulted in a unified character to the cultural development of a vast area in southeast Europe and the western part of the Carpathian Basin, and helped introduce early Chalcolithic technological inventions and new social structures to far off regions in the west central parts of Europe.

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