

EASTERN EXODUS OF THE GLOBULAR AMPHORA CULTURE PEOPLE

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BALTIC-PONTIC STUDIES

V O L U M E 4 • 1996

BALTIC-PONTIC STUDIES
61-809 Poznań (Poland)
Św. Marcin 78
Tel. (061) 536709 w. 147 Fax (061) 536-536

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ADAM MICKIEWICZ UNIVERSITY
EASTERN INSTITUTE
INSTITUTE OF PREHISTORY
Poznań 1996
ISBN 83-86094-03-6
ISSN 1231-0344

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Cover Design: Eugeniusz Skorwider

Linguistic consultation: James Grossklag

Printed in Poland

Computer typeset by PSO Sp. z o.o. w Poznaniu

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Editor's Foreword

Globular Amphora culture settlements make one of the most important systems of circulation of cultural patterns in the border zone between the drainage areas of the Baltic and Black Seas. One aspect of this problem, namely the „eastern exodus” mentioned in the title, has seemingly rich historiography. Under closer scrutiny, however, it reveals many intuitive opinions based on weak and insufficiently explored sources. This belief lay behind the present issue of the „Baltic-Pontic Studies”. The papers presented in this issue open new areas of discussion of the problems in question. For the first time, the discussion is set against an incontrovertible scale of absolute chronology. This issue anticipates a broader synthesising presentation to be published in the not too distant future.

Editorial comment

1. All dates in the *B-PS* are calibrated [see: *Radiocarbon* vol.28, 1986, and the next volumes]. Deviations from this rule will be point out in notes.

2. The names of the archaeological cultures (especially from the territory of the Ukraine) are standarized according to the English literature on the subject [e.g. Mallory 1989]. In the case of a new term, the author's original name has been retained.

3. The place names located in the Ukraine have been transliterat from the versions suggested by the author (i.e. from the Belorussian, Ukrainian, Polish or Russian originals).

Evgeniy A. Shmidt, Marzena Szmyt

RITUAL COMPLEX OF THE GLOBULAR AMPHORA CULTURE ON THE UPPER DNEIPEP BASIN (RUSSIA)

The Globular Amphora culture (GAC) ritual complex was discovered in 1986-1987 during excavations of an Old Russian kurgan cemetery situated 0.4 km west of the village of Turinshchina and 1.2 km east of Smolensk [Shmidt 1992a, 1992b]. The GAC features and kurgans were situated on the right bank of the Grybushchinka river (left tributary of the Dresna which empties to Dnieper), on a high sandy elevation (Fig. 1). Three GAC features were recorded around kurgans no. 4, 5 and 6. Feature I was located between kurgans 4 and 6, under their tumuli. It was partly disturbed when the kurgans were made in the 12th cent. A.D. When digging a gully around the tumulus a two-handle GAC amphora was broken. Other items could also have been damaged then. Feature II was discovered between kurgans 5 and 6, and feature III was found under the northern part of the tumulus of kurgan 5 (Fig. 1). Furthermore, on the surface uncovered after the kurgan exploration there were also found other traces of disturbing the virgin soil. However, the chronology of these traces could not be determined.

1. FEATURE I

The outline of the pit, both in horizontal and vertical cross-sections, was hardly perceptible against sandy undisturbed soil. Elements related to the feature were spread within a radius of 0.5 m (Fig. 2:1). About 1 m further to NE and 0.5 m higher a large, flat worked stone was recorded. It could have been related to the feature, too. Taking into consideration the dispersion of the discovered objects and the location of the stone, as well as the observed differences in ground cohesion, it can be claimed that the dimensions of the pit were about 2.3 x 1.5 m and that its depth reached to 0.67 cm from the preserved surface of the undisturbed soil. The feature must have been oriented along the NNW-SSE axis.

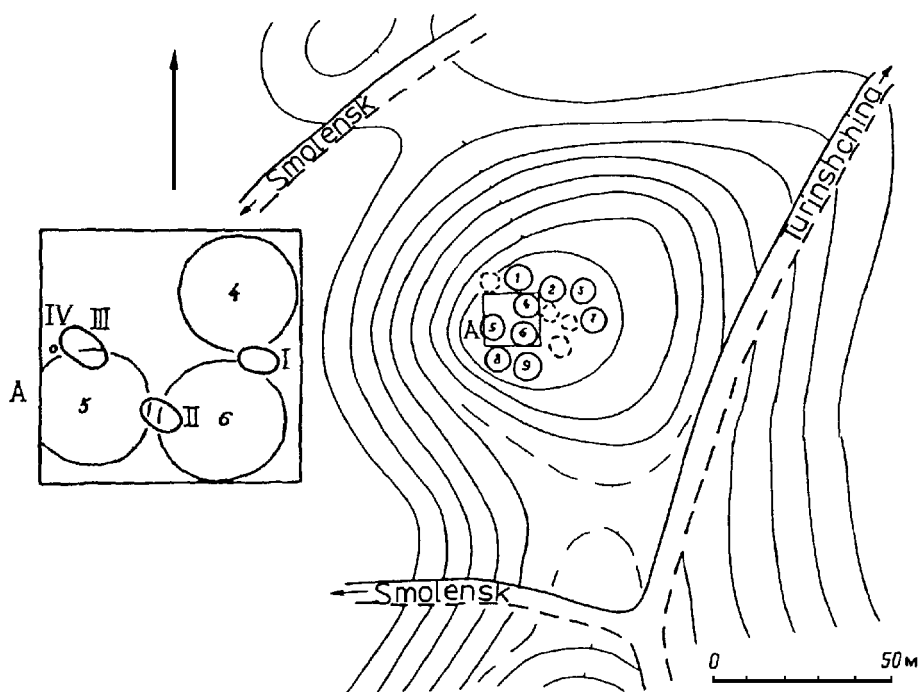


Fig. 1. Turinshchina. Location of GAC features (1-9 - Middle Ages kurgans, I-IV - features of GAC)

The feature included the following elements: remnants of four clay vessels, a flint axe and a flint arrowhead (Fig. 3).

1. A small amphora with two handles (Fig. 3:1) and a flat bottom. It is decorated with a pattern made of impressed bars, dents and zigzags. On the bottom, one can see impressions of grains of barley or wheat and possibly millet (Fig. 4).

2. A round-bottom beaker (Fig. 3:2), undecorated.

3. A flat-bottom bowl (Fig. 3:3), decorated with three rows of impressed bars and doubled zigzags.

4. A fragment of an amphora (Fig. 3:4), probably with two handles and undecorated. It could have been similar to the amphora from feature II (cf. below).

5. A flint shank arrowhead (Fig. 3:5).

6. A stone wedge axe (Fig. 3:6), smoothed.

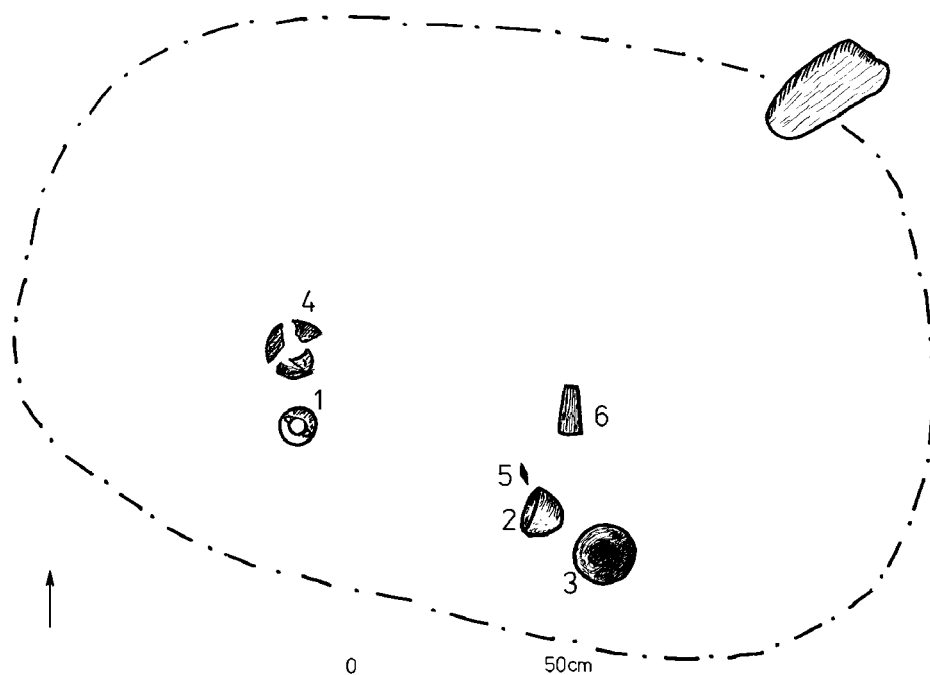


Fig. 2. Turinshchina. Plan of a feature I (1-4 - pottery, 5 - flint arrowhead, 6 - flint axe)

2. FEATURE II

On the surface of undisturbed soil, one could notice four flat stones located, as it was later determined, in the southern part of the feature. The outline of the pit was hardly perceptible at this depth, but became more visible when the excavation was deepened. The main feature that distinguished the pit contents from undisturbed soil was the lower cohesion of the former. Thus, it can be claimed that the dimensions of the pit were 2.8 x 1.6 m and that it was oval in shape and oriented along the NWW-SEE axis (Fig. 5). With respect to colour, the southern part of the pit, filled with dark and at places black sand, especially stood out. The depth of the pit, measured from the preserved surface of the undisturbed soil, was 0.68 m.

At the bottom of the pit, remains of seven clay vessels, a flint axe and animal bones were found.

1. An amphora (Fig. 6:1) with a rounded belly, a short slightly flared neck and flat bottom. There are four handles placed on the upper portion of the belly. This portion is also covered with an ornament of four oblique rows of impressed bars and single rows of the so-called bird's feather placed in between.

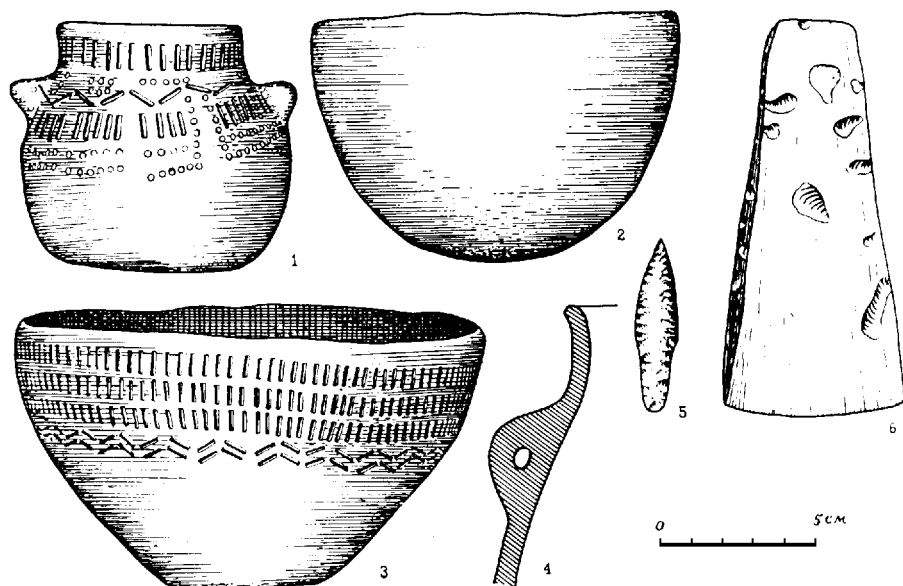


Fig. 3. Turinshchina. Materials from the feature I (1-4 - pottery, 5-6 - flint)

2. An amphora (Fig. 6:2) with two handles, an egg-like belly and flat bottom, undecorated.

3. A small amphora (Fig. 6:3) with four handles, an egg-like belly, unmarked neck and flat bottom, undecorated.

4. A vase (Fig. 6:4) with an arched belly and flat bottom decorated under the edge with a squeezed out moulding.

5. A bowl (Fig. 6:5) with an arched belly and flat bottom decorated with a row of fingernail impressions and three buttons that are asymmetrically placed.

6. Fragments of a bowl (Fig. 6:6) decorated with a zigzag pattern and bars, and poorly burned.

7. Fragments of a damaged, poorly burned vessel that could not be reconstructed.

8. A flint wedge axe (Fig. 7:7), smoothed.

9. A pig's mandible. (Fig. 5:9).

10. Bone fragments of domestic animals, mainly pigs (Fig. 5:10). These bones survived because they were covered with a layer of burned material.

The feature must have been a human grave. The skeleton, originally located in the eastern portion of the pit, has not survived.

Bones from the feature were submitted to the ^{14}C analysis [see Kadrow, Szmyt, Absolute..., in this volume].



Fig. 4. Turinshchina. Impressions of grains of the bottom of the amphora from the feature I. Photo by E.A. Schmidt

3. FEATURES III AND IV

The feature III was located 4 m NW of feature II. It was an oval pit 3.6 x 2.0 m and 0.75 m deep from the level of the undisturbed soil ceiling (Fig. 7). The pit contents clearly stood out in full against the undisturbed soil only at the depth of 0.5 m above the bottom. In the lower portion of the pit and at its bottom numerous bones of domestic animals were found, including pigs (several animals) and cattle. The type of bones and their chaotic location testify to the fact that these were not animal burials but remains of food.

Any definite grave-goods lacking, the association of the feature with GAC is supported by its stratigraphic position, the character of the pit contents similar to those of features I and II and its location in the immediate proximity of the GAC

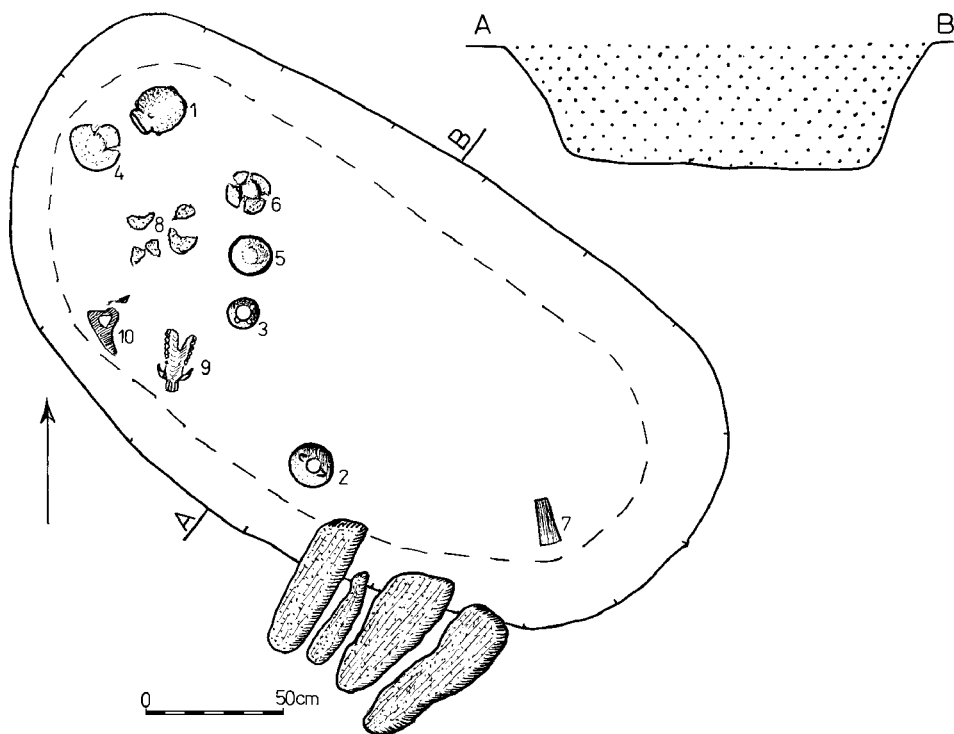


Fig. 5. Turinshchina. Plan and cross-sections of a feature II (1- 6,8 - pottery, 7 - axe, 9-10 - animals bones)

pits analysed earlier. Furthermore, an important piece of evidence is its relation to feature IV.

At the western side of feature III, there was a posthole (feature IV) 0.52 x 0.43 m and 0.15 m deep whose contents included vessels fragments (also decorated with relief moulding) technologically similar to the pottery from features I and II.

Feature III and the posthole seem to be contemporaneous, which is evidenced by the identical character of their contents and analogous stratigraphic position.

East of the features described so far, several other postholes of unidentified chronology were recorded.

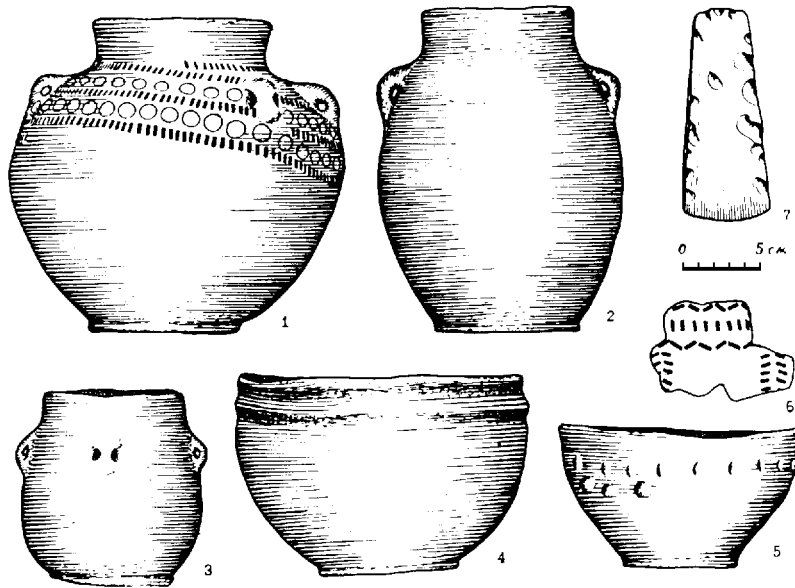


Fig. 6. Turinshchina. Materials from the feature II (1-6 - pottery, 7 - flint)

4. CONCLUSIONS

The majority of sources discovered in Turinshchina find many analogies in GAC materials from the area of its eastern group and more distant locations. Specifically, flint axes are frequent grave-goods of GAC graves [Sveshnikov 1985a:284; Neustupny 1966:652]. The two-handle amphora from feature I has analogies in Volhynia (e.g. Kikova) [Sveshnikov 1983:29, Tab. X, Fig. 2,7]. The same type of analogy applies also to the bowl from feature I [e.g. Sveshnikov 1983:35, Tab. IX, Fig. 3]. The fingernail ornament of the bowl from feature II is similar to the decorations known from Volhynia [Sveshnikov 1983:23, Tab. II, Fig. 7:14], while affixed buttons are primarily characteristic of the pottery from the area of the Polish and western groups [Kukhareno 1969:Tab. XII, Fig. 8; Hensel 1974:58, Fig. 43]. Analogies from Podolia are present in the ornament of the amphora from feature II [Sveshnikov 1983:54, Tab. XXIII, Fig. 9].

A rare find [Neustupny 1966:652] is the flint arrowhead from feature II. It is true that arrowheads are occasionally encountered in Volhynia [Sveshnikov 1983:35, Tab. IX, Fig. 5], but they are of a different form there.

In GAC rituals an important role was played by animal carcasses and parts of carcasses. Therefore, the presence in feature II, a presumed grave, of a mandible and other bones of pigs, raises no objections. We know also of special ritual features

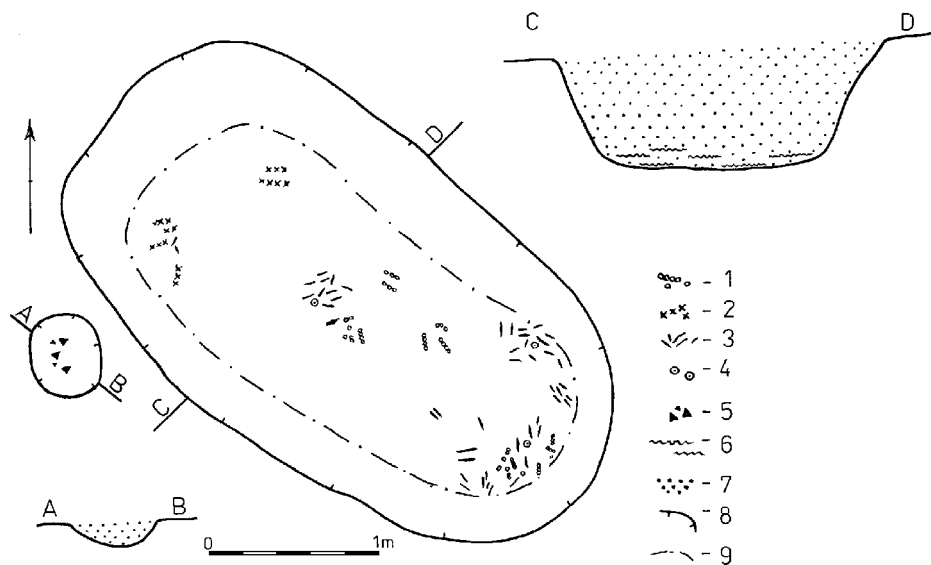


Fig. 7. Turinshchina. Plans and cross-sections of features III and IV (1 - pig's bones, 2 - cattle's bones, 3 - fragments of bones, 4 - location of bones sample for ^{14}C analysis, 5 - pottery, 6 - layer with bones, 7 - sand, 8 - range of the feature, 9 - hypothetical range of the bottom of the feature)

with burials of whole animals or parts of their bodies which are often located in cemeteries. Nevertheless, at least in the area of the eastern group, no pit with so great an amount of postconsumption animal remains as feature III has ever been recorded.

The discussed materials from the ritual GAC complex in Turinshchina permit us to suggest certain hypotheses concerning the directions of GAC population penetrations of the upper Dnieper basin. The site in question is equally distant from the area of the Volhynia subgroup as from the GAC sites from the eastern part of the Polish group (including the cemetery in Krasnaselsky in Belarus) [see Charniauski, *Materials...*, in this volume]. However, there is more evidence, following from the analysis of the assemblages, in favour of the association of the GAC population in Turinshchina with the northern areas of present day Ukraine (Volhynia subgroup).

Translated by Piotr T. Żebrowski

ABBREVIATIONS

AAC	– Acta Archaeologica Carpathica, Kraków.
AO	– Arkheologicheskiye otkrytiya, Moskva.
BPS	– Baltic-Pontic Studies, Poznań.
JIES	– The Journal of Indo-European Studies, Berkeley.
KSIA	– Kratkiye soobshcheniya Instituta Arkheologii, Moskva.
KSIA AN USSR	– Kratkiye soobshcheniya Instituta Arkheologii AN USSR, Kiev.
MIA	– Materialy i issledovaniya po arkheologii, Moskva.
SA	– Sovetskaya Arkheologia, Moskva.

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The publication is carried out within the research project No 1 P108 067 04 financed in the years 1993-1995 by Committee for Scientific Research and supplied with funds of Ministry of National Education.

ISBN 83-86094-03-6

ISSN 1231-0344