

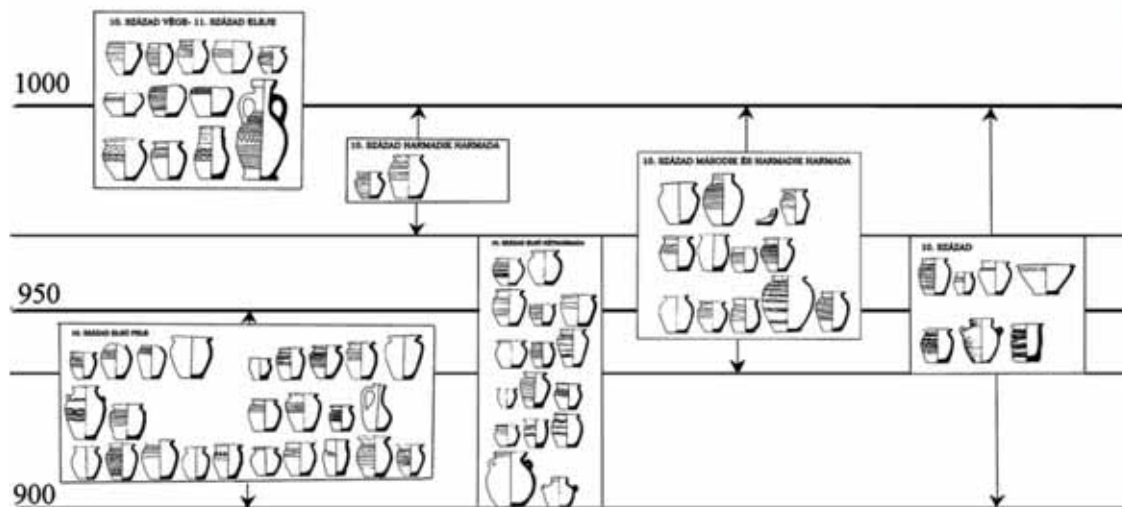
10-11th Century Ceramic Finds in the Carpathian Basin - Connections with the Territory of the Byzantine Empire?

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Third International Congress of Bulgarian Studies
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Subject

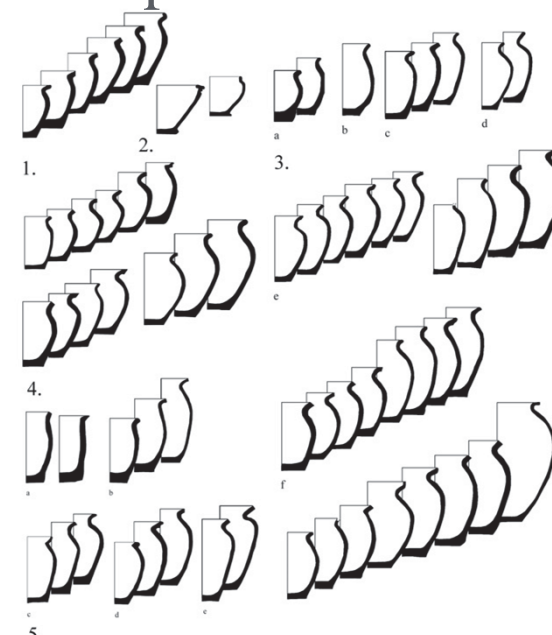
- * The starting point for the research: ceramic finds from the 10-11th century graves and settlements in the Carpathian Basin
- * Import wares or technology transfer?
 - * 10-11th century Balkanic import finds from the Carpathian Basin
 - * Work hypothesis: 10-11th century Balkanic (?) technology transfer in the Carpathian Basin



The starting point for the research:

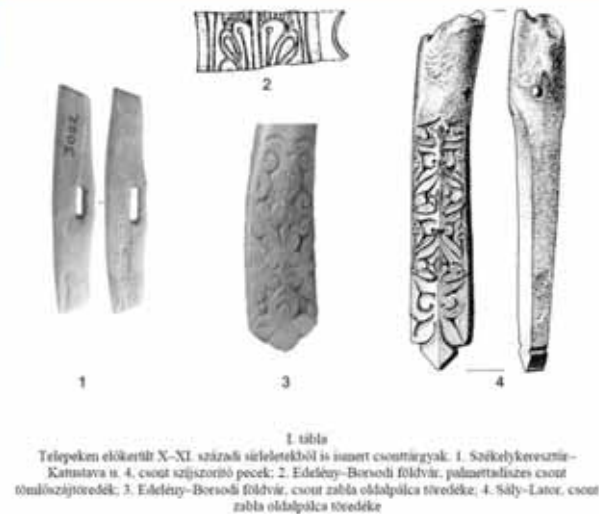
vessels from the 10-11th

century graves in the
Carpathian Basin

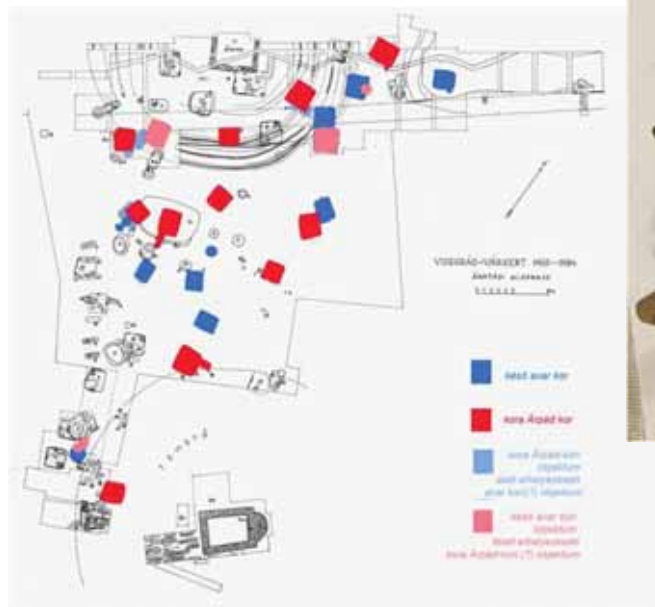


The starting point for the
research:

ceramic finds from the 10-11th
century settlements in the
Carpathian Basin



Langó 2011, Fig. I.



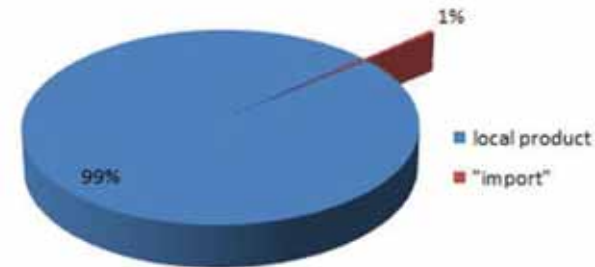
Plan of an early medieval site,
Visegrád- Várkert



Budapest- Hajógyári sziget

<http://epiteszforum.hu/galeria/az-alomsziget-alatt/55461>

Three types of „import”



„Import” of ceramic wares
craftsmen
technology



Technology transfer mixing of pottery traditions

The main relation-types between two potter societies are the followings (ethnoarchaeological surveys: GELBERT 2003):

- I. Indirect relation
with the help of a third mediator group.
- II. Direct relation:
 1. sharing experiences within a short time (for instance in the market)
 2. seasonal relationform, in this case a potter group travels to the territory of another group for some months in order to exchange experiences
 3. permanent migration of a group (having a different pottery tradition), from one region to another.

The significance depends on the intensity of two potter-traditions' interaction.



Import or technology transfer?

Import wares



Print of technology transfer on ceramic products

Using special raw material



Using special technique: polishing the surface of the pottery



<http://www.civilization.ca/cmc/exhibitions/archeo/ceramik/images/paddle7.jpg>



Győr-Káptalándomb, NW-Hungary, 9-10th century.



Karos-Eperjesszeg, Grave II/66. NE-Hungary, 1st half of 10th century

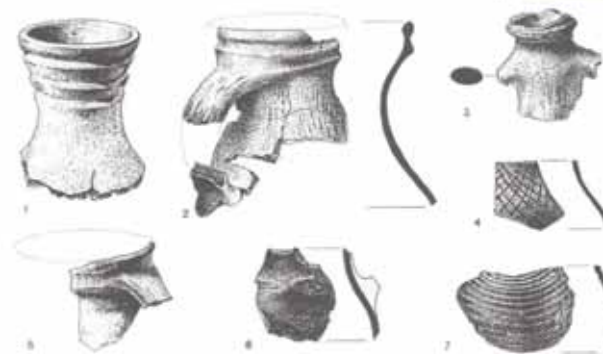
10-11th century Balkanic import finds from the Carpathian Basin



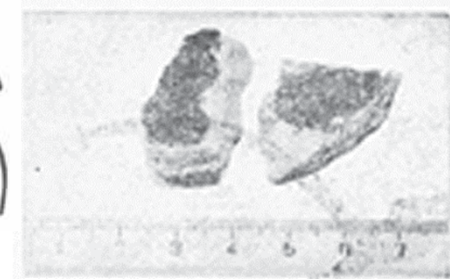
1. Sóshartyán-Murahegy, Grave 3



2. Szarvas - Rózsás



3. Ópusztaszer - Monostor

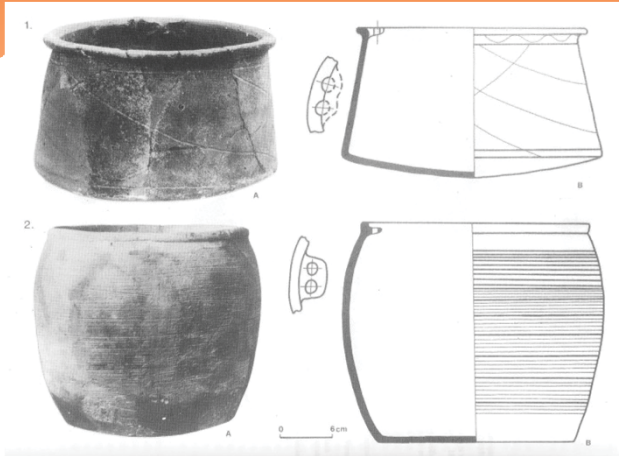


4. Bihar – vár, „Măc”
(Biharea, Ro.)

Ceramic technology and its economic concerns

10-11th century Balkanic (?) technology transfer in the Carpathian Basin

Hand wheel turned clay cauldron



Donceva-Petkova 1990



Takács 1986, 1996



Bobrinskij 1978

Ceramic technology and its economic concerns

10-11th century wheel-turning technology in the Carpathian Basin



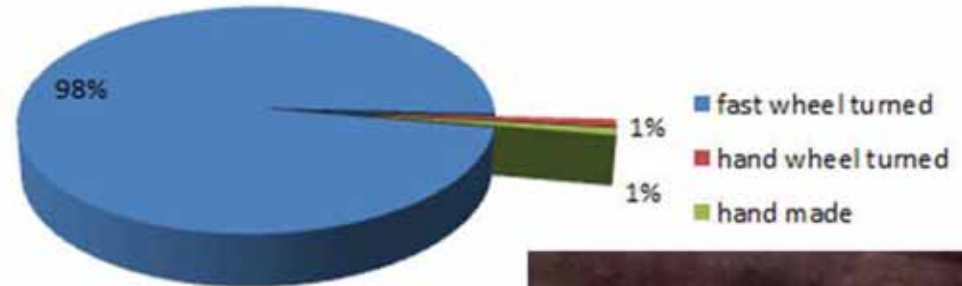
1



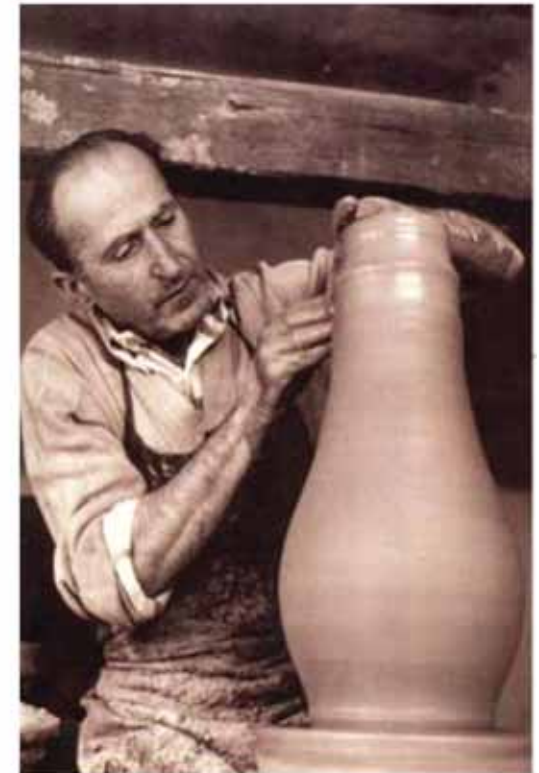
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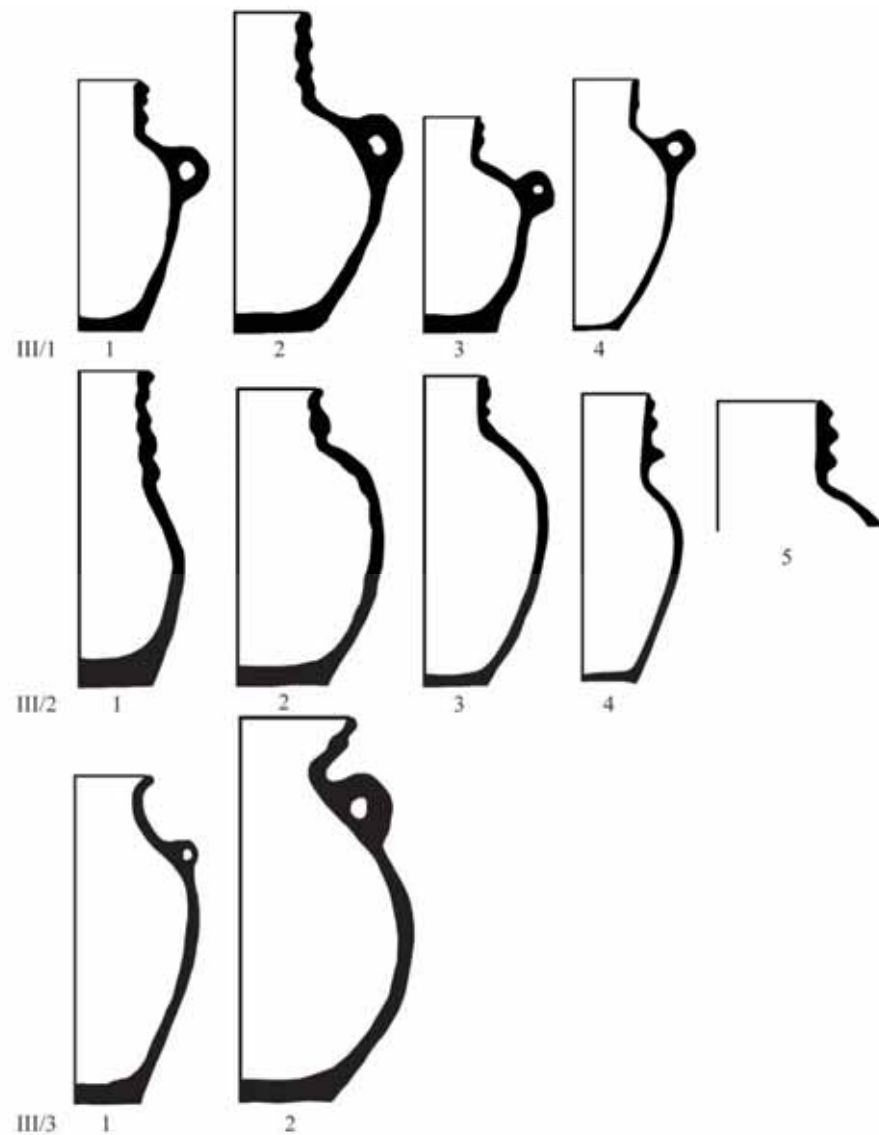
3



Fast wheel-turned pot with ribbed neck. Miskolc-Repülőtér, NE-Hungary. 10th century.



Vessels with ribbed neck

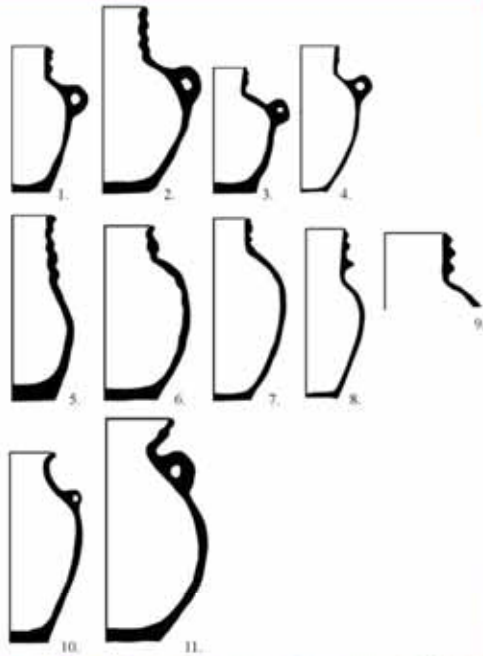


Ágcsernyő (Čierna, Sl.), 10th century.



Bély (Biel, Sl.), 10th century.

Formal paralel → origin(?)



Central Asian
parallels

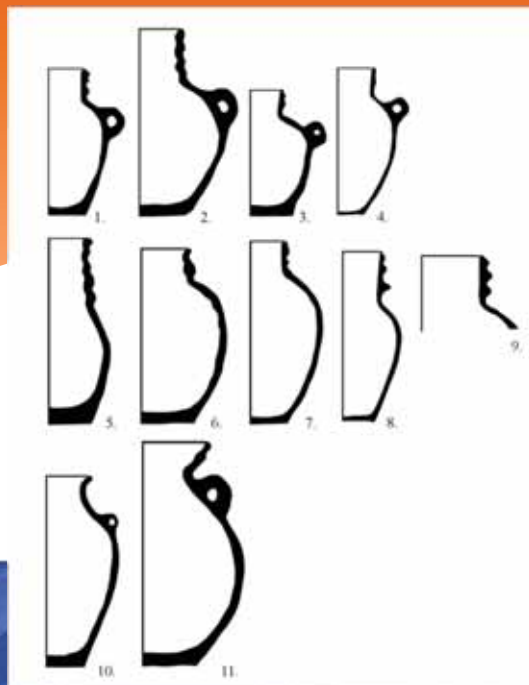


Horezm, Toprak Kala,
3-4th century
(VOROBEVA 1959)



Horezm, Berkut Kala,
5-8th century
(NERAZIK 1959)

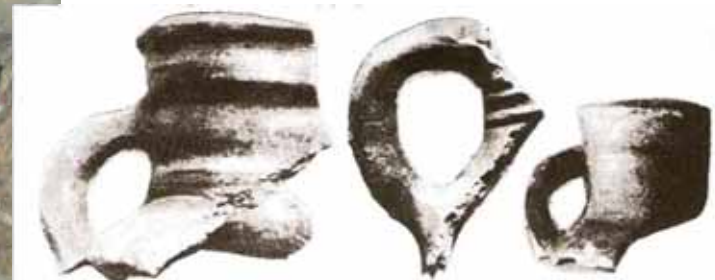




Eastern European
analogues

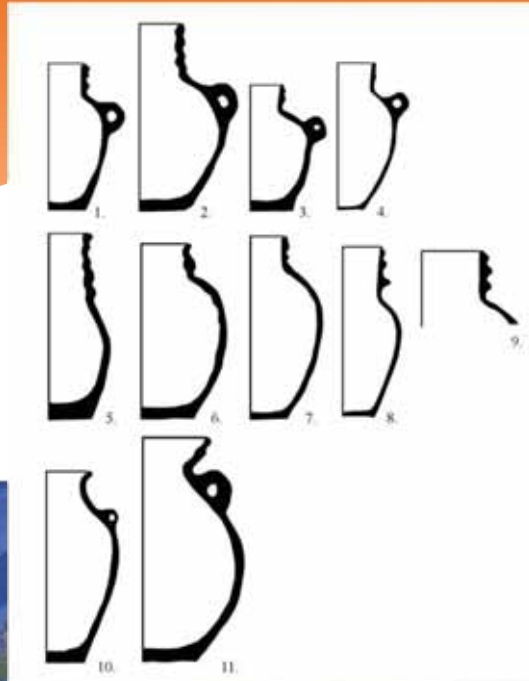


Grigor'evka, 11-12th century (from
the exhibition of archaeological
museum, Kiev)



Kiev, 10-11th century (KILIEVIČ 1982)

Analogues from the Volga region

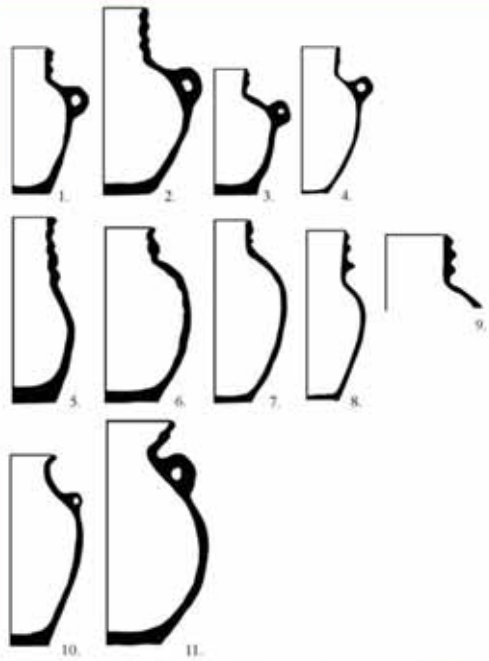


Krius, 8-11th century (TUHTINA 1960)

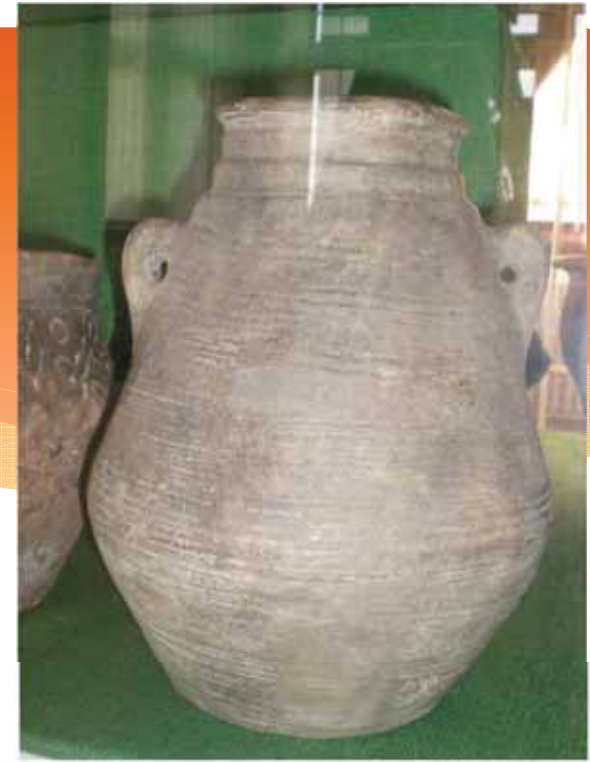


Glezne (LIPKO 1982)

Formal parallels from the Merovingian cemeteries in Bavaria

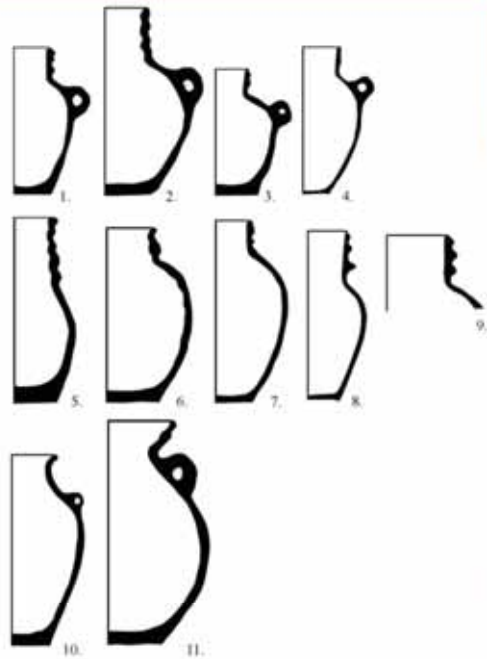


Ulm, 7th century (from
the exhibition of the
Römisch-Germanisches
Museum, Mainz)

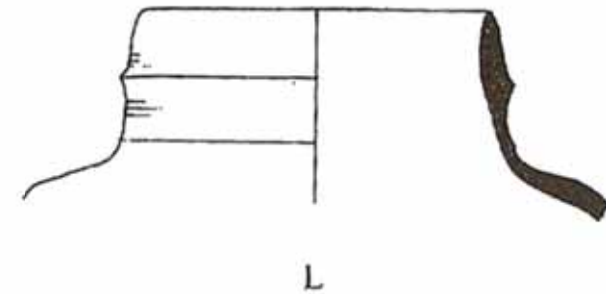


Westheim, 7th century (from the
exhibition of archaeological
museum, Nürnberg)

Formal analogues from the late antique Near East



0 5 cm.



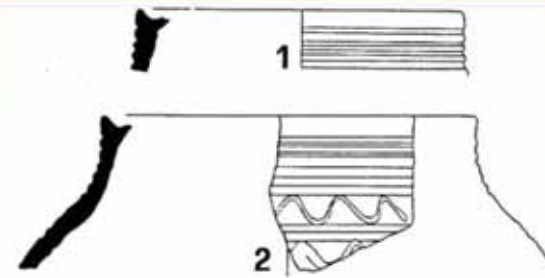
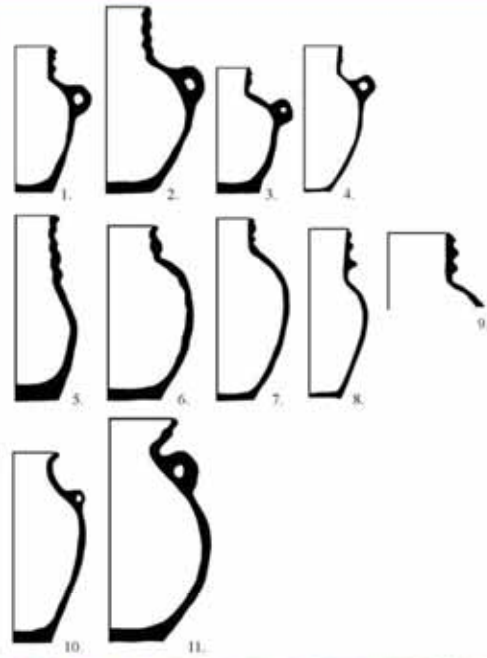
Horvat Berachot, Izrael,
6th century (TSAFRIR
1979)



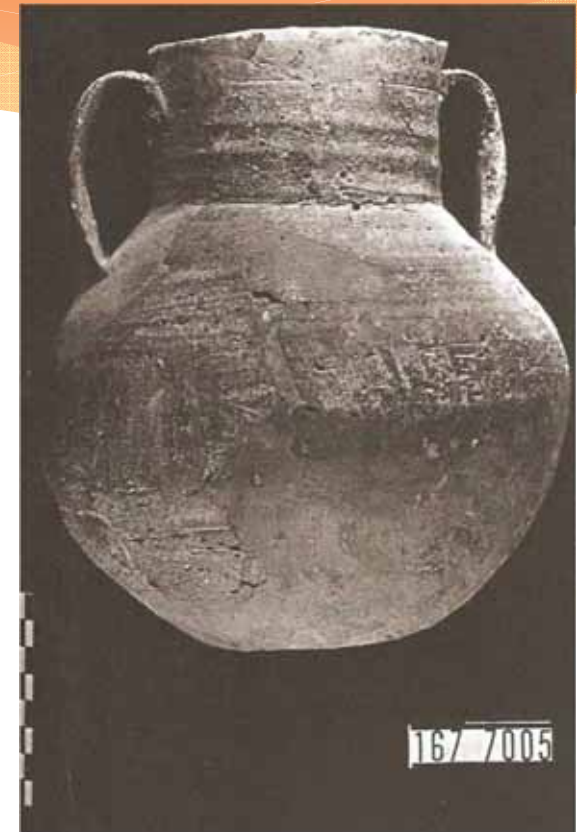
Horbat Nashe, Izrael, 6th
century (MATTENS 2004)



Formal paralels from Italy and Valencia



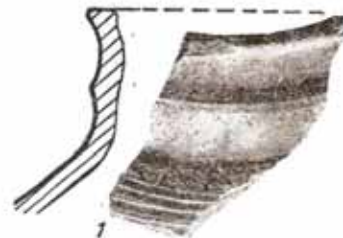
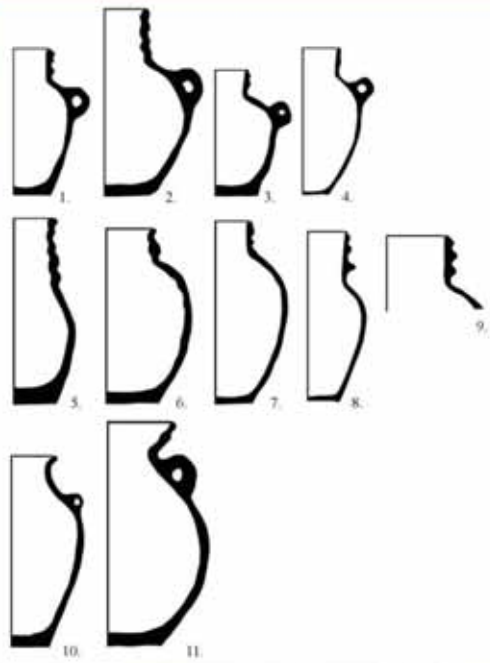
San Vincenzo, 9th century
(PATTERSON)



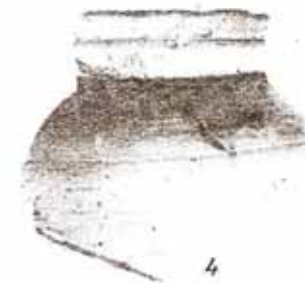
Valencia,
8-9th century
(BAZZANA-GUICHARD 1980)



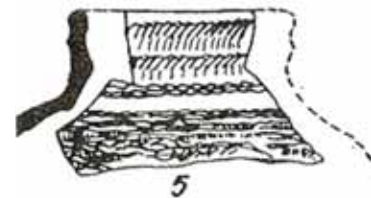
Formal analogues from the Balkanodanubian Culture



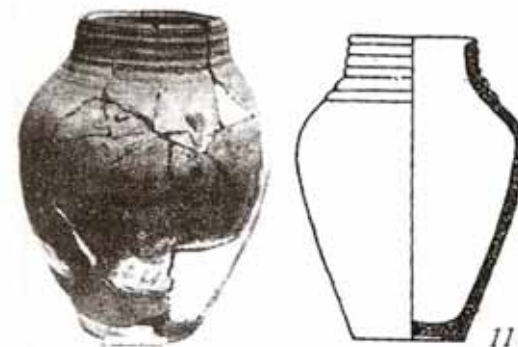
Dinogetia, 10th century
(STEFAN et al. 1967)



Pacuiul lui soare



Militari, 6th century



6-8th century (FJODOROV 1974)



10-11th century Balkanic (?) technology transfer in the Carpathian Basin



Middle Byzantine fast
wheel turned cooking
pots. DARK 2001, 40.



http://www.promacedonia.org/en/dr/dr_map_10.jpg



Thank you for
paying
attention!