

8. LIST OF FIGURES, CHARTS AND TABLES

Figures

Fig. 1. District of Mělník with indicated position of the site. Hatched cadasters provided finds from the Bell-beaker culture (after *Sklenář 1982; 1994*). Drawing: Č. Čížecký

Fig. 2. Vlíněves. Extent of the excavated area with indicated position of the Bell-beaker cemetery.

Fig. 3. Vlíněves. Aerial view on the excavated site, June 2006. Photo: M. Gojda

Fig. 4. Vlíněves, grave 244. Course of documentation of the grave pit filling.

Fig. 5. Vlíněves. Aerial view on the cemetery in the course of excavations, unearthing of graves dating to the Bell-beaker culture and the Migration Period. Photo: M. Gojda

Fig. 6. Vlíněves. Ground-plan of the Bell-beaker cemetery with indicated numbers of graves.

Fig. 7. Vlíněves, grave 221. Descriptions of fill layers are incorporated in the text.

Fig. 8. Vlíněves, grave 222. Descriptions of fill layers are incorporated in the text.

Fig. 9. Vlíněves, grave 223. Descriptions of fill layers are incorporated in the text.

Fig. 10. Vlíněves, grave 223. Photo of the feature in the course of excavation.

Fig. 11. Vlíněves, grave 224. Descriptions of fill layers are incorporated in the text.

Fig. 12. Vlíněves, grave 225. Descriptions of fill layers are incorporated in the text.

Fig. 13. Vlíněves, grave 225. Photo of the feature in the course of excavation.

Fig. 14. Vlíněves, grave 226. Descriptions of fill layers are incorporated in the text.

Fig. 15. Vlíněves, grave 227. Descriptions of fill layers are incorporated in the text.

Fig. 16. Vlíněves, grave 228. Descriptions of fill layers are incorporated in the text.

Fig. 17. Vlíněves, grave 228. Photo of the feature in the course of excavation.

Fig. 18. Vlíněves, grave 229. Descriptions of fill layers are incorporated in the text.

Fig. 19. Vlíněves, grave 230. Descriptions of fill layers are incorporated in the text.

Fig. 20. Vlíněves, grave 231. Descriptions of fill layers are incorporated in the text.

Fig. 21. Vlíněves, grave 232. Descriptions of fill layers are incorporated in the text.

Fig. 22. Vlíněves, grave 233. Descriptions of fill layers are incorporated in the text.

Fig. 23. Vlíněves, grave 234. Descriptions of fill layers are incorporated in the text.

Fig. 24. Vlíněves, grave 234. Photo of the feature in the course of excavation.

Fig. 25. Vlíněves, grave 235. Descriptions of fill layers are incorporated in the text.

Fig. 26. Vlíněves, grave 236. Descriptions of fill layers are incorporated in the text.

Fig. 27. Vlíněves, grave 236. Photo of the feature in the course of excavation.

Fig. 28. Vlíněves, grave 237. Descriptions of fill layers are incorporated in the text.

Fig. 29. Vlíněves, grave 238. Descriptions of fill layers are incorporated in the text.

Fig. 30. Vlíněves, grave 239. Descriptions of fill layers are incorporated in the text.

Fig. 31. Vlíněves, grave 240. Descriptions of fill layers are incorporated in the text.

Fig. 32. Vlíněves, grave 241. Descriptions of fill layers are incorporated in the text.

Fig. 33. Vlíněves, grave 242. Descriptions of fill layers are incorporated in the text.

Fig. 34. Vlíněves, grave 243. Descriptions of fill layers are incorporated in the text.

Fig. 35. Vlíněves, grave 244. Descriptions of fill layers are incorporated in the text.

Fig. 36. Vlíněves, grave 245. Descriptions of fill layers are incorporated in the text.

Fig. 37. Vlíněves, grave 245. Photo of the feature in the course of excavation.

Fig. 38. Vlíněves, grave 246. Descriptions of fill layers are incorporated in the text.

Fig. 39. Vlíněves, grave 247. Descriptions of fill layers are incorporated in the text.

- Fig. 40.** Vlíněves, grave 248. Descriptions of fill layers are incorporated in the text.
- Fig. 41.** Vlíněves, grave 248. Photo of the feature in the course of excavation.
- Fig. 42.** Vlíněves, grave 249. Descriptions of fill layers are incorporated in the text.
- Fig. 43.** Vlíněves, grave 250. Descriptions of fill layers are incorporated in the text.
- Fig. 44.** Vlíněves, grave 251. Descriptions of fill layers are incorporated in the text.
- Fig. 45.** Vlíněves, grave 251. Photo of the feature in the course of excavation.
- Fig. 46.** Vlíněves, grave 252. Descriptions of fill layers are incorporated in the text.
- Fig. 47.** Vlíněves, grave 253. Descriptions of fill layers are incorporated in the text.
- Fig. 48.** Vlíněves, grave 253. Photo of the feature in the course of excavation.
- Fig. 49.** Vlíněves, grave 254. Descriptions of fill layers are incorporated in the text.
- Fig. 50.** Vlíněves. Depth of the Bell-beaker graves, measured from the level of the overburden.
- Fig. 51.** Vlíněves. Hierarchical tree of distances between graves on the Bell-beaker cemetery. Mutual relations are represented by the distance of centres of the closest neighbouring graves or centres of the closest graves in different spatial groups.
- Fig. 52.** Vlíněves. Location of individual groups on the cemetery.
- Fig. 53.** Vlíněves. Distribution of graves with attested organic boxes.
- Fig. 54.** Vlíněves. Graves in the cemetery arranged according to sex determination.
- Fig. 55.** Vlíněves. Distribution of individuals on the Bell-beaker cemetery according to age determination.
- Fig. 56.** Vlíněves. Distribution of graves in the cemetery according to the age determination of the buried individuals.
- Fig. 57.** Vlíněves. Distribution of finds in graves of the Bell-beaker cemetery (beakers).
- Fig. 58.** Vlíněves. Distribution of finds in graves of the Bell-beaker cemetery (jugs).
- Fig. 59.** Vlíněves. Distribution of finds in graves of the Bell-beaker cemetery (bowls).
- Fig. 60.** Vlíněves. Distribution of finds in graves of the Bell-beaker cemetery (kettle-shaped vessels and flint industry).
- Fig. 61.** Vlíněves. Distribution of finds in graves of the Bell-beaker cemetery (summary).
- Fig. 62.** Comparison of grave equipments from cemeteries.
- Fig. 63.** Distribution of juglets and bowls on the cemeteries of Vlíněves (V), Lochenice (L), Brandýsek (B), and Čachovice (C).
- Fig. 64.** Distribution of Bell-beaker finds in the determined region.
- Fig. 65.** Distribution of finds belonging to the Únětice culture in the determined region.
- Fig. 66.** Determination of regions with supra-threshold evidence of finds.
- Fig. 67.** Shape tolerance of selected ceramic types of the Bell-beaker culture (after Besse 2003).
- Fig. 68.** Overview of ceramic types in the determined regions. Č: Bohemia; M: Moravia; N: central Germany (after Besse 2003; numbers correspond with the ceramic types determination).
- Fig. 69.** The earliest pottery shapes of the Únětice culture, central Germany. 1: small pots, 2: pots, 3: bowls, 4: juglets and jugs, 5: bell-shaped vessels, 6: other shapes (after Zich 1996).
- Fig. 70.** Display of conditional dependence of interpretation of radio-carbon dates on archaeological evidence.
- Fig. 71.** Interval calibration eliminating “waving” of the calibration curve (after Furholt 2003, Abb. 1).
- Fig. 72.** Size differences in probability of the measured radio-carbon dating of two events differently placed in time but showing coincidental radio-carbon dates. A: assumption of coincidental occurrence in one time interval; B: only one considered event is placed within the presumed time interval while the other is outside.
- Fig. 73.** Independent interpretation of radio-carbon dates evaluation with regard to archaeological evidence.
- Fig. 74.** Location of sites with measured radio-carbon dates within the Corded-ware culture contexts. For numbers of sites cf. Chart 4.
- Fig. 75.** Location of sites with measured radio-carbon dates within the Bell-beaker culture contexts. For numbers of sites cf. Chart 5.
- Fig. 76.** Location of sites with measured radio-carbon dates within the Únětice and Proto-Únětice culture contexts. For numbers of sites, cf. Chart 6.
- Fig. 77.** Reconstruction of theoretic desired density of probability of the measured data belonging to the selected interval of 4100–4200 BP.
- Fig. 78.** Graphic visualization of differences between measured and desired distribution of density of probability of the radio-carbon dating while using coefficients M.L.O.R.
- Fig. 79.** Reading from a graph. Point A (2300; 320), point B (2700; 530).

Charts

Chart 1. Potential of archaeological evidence in the case when burial ritual expresses only one category (1–8). (Categories 1–8 that can influence the burial rituals - cf. *Siegmund 2000*, 78.)

Chart 2. Overview of finds unearthed on the cemeteries at Brandýsek (B), Čachovice (C), Vlíněves (H), and Lochenice (L).

Chart 3. List of sites corresponding with the earliest Únětice culture in Bohemia according to correspondence analysis and corresponding finds from central Germany (after *Bartelheim 1998*; *Zich 1996*).

Chart 4. Sites with measured radio-carbon dates from the Corded-ware culture contexts that have been used for the evaluation. For the location of the sites, cf. *Fig. 74*.

Chart 5. Sites with measured radio-carbon dates from Bell-beaker culture contexts that have been used for the evaluation. For the location of the sites, cf. *Fig. 75*.

Chart 6. Sites with measured radio-carbon dates from the Únětice and Proto-Únětice culture contexts that have been used for the evaluation. For the location of the sites, cf. *Fig. 76*.

Tables

Tab. 1. 1, 7, 23: grave 241; 2, 3: grave 247; 4, 14: grave 230; 5: grave 232; 6: grave 244; 8: grave 225; 9: grave 249; 10: grave 240; 11: grave 232; 12: grave 231; 13, 17: grave 245; 15: grave 253; 16, 20: grave 246; 18: grave 250; 19: grave 254; 21: grave 237; 22: grave 239; 24: grave 234.

Tab. 2. 1: grave 253; 2, 7: grave 226; 3, 5, 10: grave 239; 4: grave 245; 6: grave 222; 8, 14: grave 232; 9: grave 237; 11: grave 225; 12: grave 240; 13: grave 254; 15: grave 235; 16: grave 230; 17: grave 231.

Tab. 3. 1: grave 246; 2: grave 244; 3: grave 248; 4: grave 253; 5: grave 241; 6: grave 250.

Tab. 4. Histograms of measured radiocarbon dates for defined regions and evaluated contexts.

Tab. 5. Evaluation of radiocarbon dates for the Corded-ware culture, region 1: seaside areas.

Tab. 6. Evaluation of radiocarbon dates for the Bell-beaker culture, region 1: seaside areas.

Tab. 7. Evaluation of radiocarbon dates for the Bell-beaker culture, regions 1, 2: seaside areas and Britain.

Tab. 8. Evaluation of radiocarbon dates for the Corded-ware culture, regions 3–8: landlocked areas.

Tab. 9. Evaluation of radiocarbon dates for the Bell-beaker culture, regions 3–8: landlocked areas.

Tab. 10. Evaluation of radiocarbon dates for the Bell-beaker culture, region 2: Britain.

Tab. 11. Evaluation of radiocarbon dates for the Corded-ware culture, region 3: Rhineland.

Tab. 12. Evaluation of radiocarbon dates for the Bell-beaker culture, region 3: Rhineland.

Tab. 13. Evaluation of radiocarbon dates for the Corded-ware culture, region 4: the Alps.

Tab. 14. Evaluation of radiocarbon dates for the Bell-beaker culture, region 4: the Alps.

Tab. 15. Evaluation of radiocarbon dates for the Corded-ware culture, region 5: Elbe region.

Tab. 16. Evaluation of radiocarbon dates for the Bell-beaker culture, region 5: Elbe region.

Tab. 17. Evaluation of radiocarbon dates for the Únětice culture, region 5: Elbe region.

Tab. 18. Evaluation of radiocarbon dates for the Corded-ware culture, region 6: Moravia – Oder.

Tab. 19. Evaluation of radiocarbon dates for the Bell-beaker culture, region 6: Moravia – Oder.

Tab. 20. Evaluation of radiocarbon dates for the Proto-Únětice culture, region 6: Moravia – Oder.

Tab. 21. Evaluation of radiocarbon dates for the Corded-ware culture, region 7: Vistula – San.

Tab. 22. Evaluation of radiocarbon dates for the Bell-beaker culture, region 7: Vistula – San.

Tab. 23. Evaluation of radiocarbon dates for the Bell-beaker culture, region 8: middle Danube.