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Natural environment and human settlement in later prehistoric Central Europe

Volume II of II: bibliography and figures

Thesis by Bruce Michael Worthington Albert, in submission for a Doctorate of Philosophy,

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Bibliography

- Åberg, N.
1935 *Bronzezeitliche und früheisenzeitliche Chronologie*. Vol. V. Stockholm: Cederquists Grafiska Aktiebolag
- Adámek, F.
1961 *Pravěké Hradisko u Obřan*. Brno: Archeologický Ústav
- Albert, B.
1989 Yanomami 'Violence': Inclusive Fitness or Ethnographic Representation?. *Current Anthropology*. vol. 30: 637-40
- Allen, J.R.L.
1965 A Review of the Origin and Characteristics of Recent Alluvial Sediments. *Sedimentology*. vol. 5: 89-191
- Almgren, O.
1923 *Studien über nordeuropäische Fibelformen*. Leipzig: Kabitzsch
- Ambros, C.
1968 Remains of Fauna found in the Eneolithic Settlement on Homolka. pp. 440-69 in Ehrich, R.W. and Pleslová-Štichová, E. *Homolka, An Eneolithic Site in Bohemia*. Cambridge, Mass.: Peabody Museum
- Anderson, S.T.
1974 Wind Conditions and Pollen Deposition in a Mixed Deciduous Forest. *Grana*. vol. 14: 57-77
1996 Pollen proxy data for human impact on vegetation, based on methodological experiences. pp. 1-12 in Frenzel, B. (ed.) *Evaluation of land surfaces cleared from forests in Early Neolithic times and the time of migrating Germanic tribes*. Stuttgart: Gustav Fischer
- Anderson, S.T. and Bertelsen, F.
1972 Scanning Electron Microscope Studies of Pollen of Cereals and Other Grasses. *Grana*. vol. 12: 79-86
- Attolini, M.R.
1991 Tree ring radiocarbon as proxy data for solar output. pp. 1-12 in Frenzel, B. (ed.) *Evaluation of climate proxy data in relation to the European Holocene*. Stuttgart: Gustav Fischer
- Bagniewski, Z.
1992a *Untersuchungsergebnisse aus der mesolithischen Torfstaion Pobiel 10 (Niederschlesien)*. *Præhistorische Zeitschrift*. vol. 67: 141-62
1992b *Osada Kultury Pucharów Lejowatych w Wojnowiach, woj. Opolskie*. Wrocław: Zakład Narodowy
- Bálek, M. and Šedo, O.
1995 Die Notgrabungen in Mušov in den Jahren 1993-4. pp. 11-4 in Tejral, J., Pieta, K. and Rajtár, J. (eds.) *Kelten. Germanen, Römer im Mitteldonauegebiet vom Ausklang der LaTène-Zivilisation bis zum 2. Jahrhundert*. Brno-Nitra: Archeologický Ústav
- Banner, J.
1956 *Die Pécelér Kultur*. Budapest: Archaeological Institute of the Hungarian Academy of Sciences
- Barker, G.
1985 *Prehistoric Farming in Europe*. Cambridge: Cambridge University Press
- Barry, R.G. and Chorley, R.J.
1968 *Atmosphere, Weather, and Climate*. New York: Holt, Rinehart, and Winston
- Bartelheim, M.
1994 *Überlegung zur Stellung des Raumes Kolín in Rahmen der böhmischen Aunjetitzer Kultur*. *Archeologické Rozhledy*. vol. 46: 155-76

- Bartlein, P.J., Prentice, I.C. and Webb, T.
1986 Climatic Response Surfaces from Pollen Data for Some Eastern North American Taxa. *Journal of Biogeography*. vol. 13: 35-57
- Bašta, J. and Baštová, D.
1989a Neuer Erkenntnisse über die Chamer Kultur in Westböhmen. pp. 85-94 in Buchvaldek, M. and Pleslová-Stichová, E. (eds.) *Das Äneolithikum und die früheste Bronzezeit (c14 3000-2000 b.c.) in Mitteleuropa: kulturelle und chronologische Beziehungen*. Prague: Charles University
1989b Nová staromohylová sídliště v západních Čechách. *Archeologické Rozhledy*. vol. 41: 35-57
- Bašta, J., Baštová, D. and Metlička, M.
1990 Osídlení mikroregionu Čemínského potoka v době bronzové. *Archeologické Rozhledy*. vol. 42: 258-81
- Bátora, J.
1989 Anfänge der Bronzezeit der Südwestslowakei. pp. 207-212 in Buchvaldek, M. and Pleslová-Stichová, E. (eds.) *Das Äneolithikum und die früheste Bronzezeit (c14 3000-2000 b.c.) in Mitteleuropa: kulturelle und chronologische Beziehungen*. Prague: Charles University
1990 The Latest Knowledge on the Burial Rite of the People of the Nitra Group. *Anthropologie*. vol. 28: 170-1
1991 The Reflection of Economy and Social Structure in the Cemeteries of the Chlopice-Veselé and Nitra Cultures. *Slovenská Archeológia*. vol. 39: 91-142
1993 Osídlenie Nitry v staršej a strednej dobe bronzovej. pp. 26-41 in Nitra, *Príspevky k najstarším dejinám mesta*. Nitra: Archeologický Ústav
1994 Hunting in the Early Bronze Age in Slovakia. pp. 11-2 in *Památky a Múzea*. Bratislava: Slovak National Museum
1995 Die Problematik des Umweltsmilieus in der Frühbronzezeit. pp. 20-9 in Demovič, R., Habovštiak and Sýkora, O. (eds.) *Die Möglichkeiten und Perspektiven der West-Ost Zusammenarbeit auf dem Gebiet der Wissenschaft mit dem Schwerpunkt auf der Umwelt und Gesundheit*. Bratislava: Humboldt-Club in der Slowakischen Republik
- Battarbee, R.W.
1991 Palaeolimnology and Climate Change. pp. 149-58 in Frenzel, B. (ed.) *Evaluation of climate proxy data in relation to the European Holocene*. Stuttgart: Gustav Fischer
- Beer, J., Siegenthaler, U., Bonami, G., Finkel, R.C., Oeschger, H., Suter, M. and Wölfli, W.
1988 Information on past solar activity and geomagnetism from Be 10 in the Camp Century ice core. *Nature*. vol. 331: 675-9
- Behre, K.E.
1981 The Interpretation of Anthropogenic Indicators in Pollen Diagrams. *Pollen et Spores*. vol. 23: 225-45
1988 The role of man in European vegetation history. pp. 637-667 in Huntley, B. and Webb, T. (eds.) *Vegetation History*. Dordrecht: D. Reidel
- Behre, K.E. and Kučan, D.
1986 The Reflection of Archaeologically Known Settlements in Pollen Diagrams at Varying Distances. pp. 95-114 in Behre, K.E. (ed.) *Anthropogenic Indicators in Pollen Diagrams*. Rotterdam: A.A. Balkema
- Behrens, H.
1964 Die neolithisch-frühmetallzeitlichen Tierskelettfunde der Älten Welt. Berlin: Deutsche Verlag der Wissenschaften
1973 Die Jungsteinzeit in Mittel-Elbe-Saale-Gebiet. Berlin: Deutsche Verlag der Wissenschaften
- Behrens, H. and Schlette, F.
1969 (eds.) *Die Becherkulturen im Gebiet der DDR*. Berlin: Deutsche Verlag der Wissenschaften
- Behrens, H. and Schröter, E.
1980 Siedlungen und Gräber der Trichterbecherkultur und Schnurkeramik bei Halle (Saale). Berlin: Deutsche Verlag der Wissenschaften
- Benadík, B.
1957 Keltische Gräberfelder der Südwestslowakei. Bratislava: Vydavateľ'stvo Slovenskej Akadémie Vied
1971 Zemplín und die Frage der keltischen Besiedlung im nordöstlichen Teile des Karpatenbeckens. *Archeologické Rozhledy*. vol. 23: 322-5

Benecke, N.

1993 Tierdomestikationen in Europa in vor- und frühgeschichtlicher Zeit: Neue Daten zu einem älteren Thema. Bericht der Römisch-Germanischen Kommission. vol. 74: 5-49

Beneš, J.

1987 Das Knovíz er Gehoft in Liptice. pp. 231-5 in Hrala, J. and Plesl, E. (eds.) Die Urnenfelderkulturen Mitteleuropas. Prague: Archeologický Ústav

1991 Benutzung der Korrelationskarten beim Studium der Siedlungskontinuität und -discontinuität am Beispiel der Mikroregion Lomský potok in Nordwest-Bohmen. Veröffentlichten aus dem Museum für Ur- und Frühgeschichte. Potsdam. vol. 25: 55-64

1995 Erosion and Accumulation Processes in the Late Holocene of Bohemia, in Relation to Prehistoric and Medieval Landscape Occupation. pp. 133-44 in Kuna, M. and Venclová, N. 1995 (eds.) Whither Archaeology?. Prague: Archeologický Ústav

n.d. Erosion and Accumulation Processes in the Late Holocene of Bohemia, in Relation to Prehistoric and Medieval Landscape Occupation. (unpublished manuscript)

Benkovsky-Pivovarová, Z.

1976 Zur Enddatierung des Kulturkreises Mad'arovce-Věteřov-Boheimkirchen. Germania. vol. 54: 342-59

Beran, J.

1992a Untersuchungen zur Stellung der Salzmünder Kultur im Jungneolithikum des Saalegebietes. Ethnographische-Archäologische Zeitschrift. vol. 33: 527-40

1992b A-Horizont und Kugelamphorenkultur. pp. 35-41 in Buchvaldek, M. and Strahm, C. (eds.) Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik. Prague: Charles University

n.d. Thesen zur Entstehung und Ausbreitung der schnurkeramischen Kultur. (unpublished manuscript)

Beranová, M.

1991 On the Problems of Plant Production and Subsistence in Neolithic and Eneolithic. pp. 273-7 in Rulf, J. (ed.) Bylany Seminar. 1987. Prague: Archeologický Ústav

Berger, A.

1984 Die Bronzezeit in Ober- und Mittelfranken. Kallmünz: M. Lassleben

Berger, A.L.

1978 Long-Term Variations of Caloric Insolation Resulting from the Earth's Orbital Elements. Quaternary Research. vol. 9: 139-67

Biel, J.

1985 Der Keltenfürst von Hochdorf. Stuttgart: Theiss

Billig, G.

1958 Die Auentitzer Kultur in Sachsen. Leipzig: V.E.B. Bibliographisches Institut

Binns, W.O.

1979 The hydrological impact of afforestation in Great Britain. pp. 55-70 in Hollis, G.E. (ed.) Man's Impact on the Hydrological Cycle in the United Kingdom. Norwich: Geo Abstracts Limited

Bintliff, J.

1982 Settlement patterns, land tenure and social structure: a diachronic model. pp. 106-111 in Renfrew, C. and Shennan, S. (eds.) Ranking, Resource and Exchange. Cambridge: Cambridge University Press

1984a Introduction. pp. 13-40 in Bintliff, J. (ed.) European Social Evolution. Bradford: Bradford University Press

1984b The Neolithic in Europe and social evolution. pp. 83-122 in Bintliff, J. (ed.) European Social Evolution. Bradford: Bradford University Press

1984c Iron Age Europe in the context of social evolution from the Bronze Age through to Historic times. pp. 157-226 in Bintliff, J. (ed.) European Social Evolution. Bradford: Bradford University Press

Birdsell, J.B.

1953 Some Environmental and Cultural Factors Influencing the Structure of Australian Aboriginal Populations American Naturalist. vol. 83: 171-207

- Birks, H.J.B.
1981 The use of pollen analysis in the reconstruction of past climates: a review. pp. 111-38 in Wigley, T.M.L. (ed.) *Climate and History*. Cambridge: Cambridge University Press
- Birks, H.J.B. and Birks, H.H.
1980 *Quaternary Palaeoecology*. London: A. Arnold
- v. den Bogaard, Dörfler, W., Glos, R., Nadeau, M.-J., Grootes, P.M. and Erlenkeuser, H.
1999 Two tephra layers bracketing Late Holocene palaeoecological changes in northern Germany. *Quaternary Research*. vol. 57: 314-24
- Bogucki, P.
1984 Linear Pottery sieves and their economic implications. *Oxford Journal of Archaeology*. vol. 3: 15-30
1988 *Forest Farmers and Stockherders*. Cambridge: Cambridge University Press
2000 How agriculture came to north-central Europe. pp. 197-218 in Price, T.D. (ed.) *Europe's First Farmers*. Cambridge: Cambridge University Press
- Böhm, J.
1937 *Základy halštatské periody v Čechách*. *Obzor Prehistorický*. vol. 10: 21-246
- Böhmisch, E.
1986 *Archäologische Forschungen am Tagebau Greifenhain 1985*. *Geschichte und Gegenwart des Bezirks Cottbus, niederlausitzer Studien*. vol. 20: 113-7
- Bökönyi, S.
1974 *History of Domestic Animals in Central and Eastern Europe*. Budapest: Akadémiai Kiadó
- Bonny, A.P.
1976 Recruitment of Pollen to the Seston and Sediment of Some Lake District Lakes. *Journal of Ecology*. vol. 64: 859-887
1978 The Effect of Pollen Recruitment Processes on Pollen Distribution over the Sediment Surface of a Small Lake in Cumbria. *Journal of Ecology*. vol. 66: 385-416
- Boserup, E.
1965 *The Conditions of Agricultural Growth*. Chicago: Allen and Unwin
1970 *Woman's Role in Economic Development*. London: Allen and Unwin
- Bourke, A.
1984 Impact of Climatic Fluctuations on Agriculture. pp. 269-315 in Flohn, H. and Fantechi, R. (eds.) *The Climate of Europe: Past, Present and Future*. Dordrecht: D. Reidel
- Bouzek, J.
1963 *Problémy knovízské a mlavečské kultury*. *Sborník Národního Musea*. vol. 17: 57-118
1982 Climate Changes and Central European Prehistory. pp. 179-191 in Harding, A.F. (ed.) *Climatic Change in Later Prehistory* Edinburgh: Edinburgh University Press
1985 K otázkám počátkům doby železné ve střední Evropě. *Archeologické Rozhledy*. vol. 37: 251-270
1986 Die Möglichkeit der Erforschung der Gefolgschaft in der mitteleuropäischen Vor- und Frühgeschichte. *Slovenská Archeológia*. vol. 34: 293-8
1987 Die 'Lausitzer Wanderung' und die Südgrenze der Lausitzkultur in Böhmen. pp. 181-8 in Hrala, J. and Plesl, E. (eds.) *Die Urnenfelderkulturen Mitteleuropas*. Prague: Archeologický Ústav
1990 Klimatické změny a zemědělské adaptace k nim ve středoevropském pravěku, nové poznatky a směr bádání. *Študijné Zvesti Archeologického Ústavu S.A.V.* vol. 26: 53-62
1993a Climatic Changes: New Archaeological Evidence from the Bohemian Karst and Other Regions. *Antiquity*. vol. 67: 386-93
1993b Climatic Changes: New Archaeological Evidence from the Bohemian Karst and Other Regions. (unpublished manuscript)
1994 Die neuen römischen und barbarischen Funde und Befunde in Südmähren und Niederösterreich *Historische Interpretationsmöglichkeiten*. pp. 173-8 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen* Brno: Archeologický Ústav

- Bouzek, J. and Koutecký, D.
1980 Siedlungen der bronzezeitlichen Hügelgräber- und Knovízer Kultur mit menschlicher Skeletten und Knochen in Vorratsgrüben. *Památky Archeologické*. vol. 71: 360-432
- Bouzek, J., Koutecký, D. and Neustupný, E.
1966 The Knovíz Settlement of North-West Bohemia. Prague: National Museum
- Bouzek, J., Sklenář, K.
1987 Eine Grube der mittelbronzezeitlichen Hügelgräberkultur in Horní Počaply bei Mělník. *Archeologické Rozhledy*. vol. 39: 23-39
- Braun-Blanquet, J.
1964 *Pflanzensoziologie*. Wien: Springer Verlag
- Bredden, R., and Buch, D.-W.
1969 Untersuchungen auf der befestigten Lausitzer Siedlung von Lübbenau, Kr. Calau. *Veröffentlichungen des Brandenburgischen Landesmuseums für Ur- und Frühgeschichte*. vol. 27: 113-7
- Břeň, J.
1966 Trisov: a Celtic Oppidum in South Bohemia. Prague: National Museum
- Brenchley, W.E. and Warrington, K.
1933 The Weed Population of Arable Soil. *Journal of Ecology*. vol. 21: 123-47
- Břicháček, P. and Beranová, M.
1993 Beitrag zur Erkundung der handewirtschaftlichen Produktion in der späthallstattzeitlichen und latènezeitlichen Periode in Böhmen. *Archeologické Rozhledy*. vol. 45: 251-67
- Bronowicki, J.
1993 Studies on (the) Stone Age and Early Bronze Age in the Polish Sudetes Mountains site of Grodziszczce 7 near Swidnica. *Śląskie Sprawozdania Archeologiczne*. vol. 34: 157-68
- Bucha, V.
1984 Mechanisms for linking solar activity to weather-scale effects, climatic changes and glaciations in the northern hemisphere. pp. 415-448 in Möner, N.-A. and Karlen, W. (eds.) *Climatic Changes on a Yearly to Millennial Basis*. Dordrecht: D. Reidel
- Buchvaldek, M.
1967 *Die Schnurkeramik in Böhmen*. Prague: Charles University
1986a Zum gemeineuropäischen Horizont der Schnurkeramik. *Praehistorische Zeitschrift*. vol. 61: 129-57
1986b *Kultura se šňůrovou keramikou ve střední Evropě* Prague: Charles University
1992 Grundlegende und Teilveränderungen in der Schnurkeramik. pp. 61-6 in Buchvaldek, M. and Strahm, C. (eds.) *Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik*. Prague: Charles University
- Buchvaldek, M. and Koutecký, D.
1970 Vikletice, ein schnurkeramisches Gräberfeld. Prague: Charles University
- Budinský-Krička, V. and Lamiová-Schmeidlová, M.
1990 A Late First Century B.C.-2nd Century A.D. Cemetery at Zemplín. *Slovenská Archeológia*. vol. 38: 245-354
- Bujna, J. and Romsauer, P.
1984 Halštatské sídlisko Hostiach. *Slovenská Archeológia*. vol. 32: 431-447
- Bukowska-Gedigowa, J.
1975 *Kultura Pucharów Lejkowatych w Dorzeczu Gornej Odry*. *Przegląd Archeologiczny*. vol. 23: 83-186
- Bukowski, Z.
1962 Fortified Settlements of the Lusatian Culture. *Archaeologia Polona*. vol. 4: 65-88
1982 Charakter oddziaływań tzw. scytyjskich w południowej Polsce. pp. 247-260 in *Południowa strefa kultury lużyckiej i powiązania tej kultury z południem*. Kraków: Zakład Narodowy

- Bukowski, Z. (cont.)
 1990 Zum Stand der demographischen und siedlungsgeschichtlichen Forschung zur Lausitzer Kultur im Stromgebiet von Oder und Weichsel. *Acta Praehistorica et Archaeologica*. v.22: 85-119
- Bunting, B.T.
 1965 *The Geography of Soils*. London: Hutchinson
- Burga, C.A.
 1988 Swiss vegetational history during the last 18,000 years. *New Phytologist*. vol. 110: 581-602
 1993 Pollen analytical evidence of Holocene climatic fluctuations in the European Central Alps. pp. 163-74 in Frenzel, B. (ed.) *Oscillations of the Alpine and Polar Tree Limits in the Holocene*. Stuttgart: Gustav Fischer
- Butler, S.
 n.d. Ancient Landscape Reconstruction Project: Palynological Report. (unpublished manuscript)
- Butzer, K.W.
 1964 *Environment and Archaeology*. Chicago: Aldine
 1977 Geomorphology of the Lower Illinois Valley as a Spatial-Temporal Context for the Koster Archaic Site. Reports on Investigations of the Illinois State Museum. Springfield, Illinois: Illinois State Museum
 1980a Holocene Alluvial Sequences: Problems of Dating and Correlation. pp. 131-42 in Cullingford, R.A., Davidson, D.A. and Ewin, J. (eds.) *Timescales in Geomorphology*. New York
 1980b *Civilizations: Organisms or Systems?*. *American Scientist*. 68: 517-23
 1982 *Archaeology as human ecology*. Cambridge: Cambridge University Press
 1993 The Classical Tradition of Agronomic Science: Perspectives on Carolingian Agriculture and Agronomy. pp. 539-96 in Butzer K.W. and Lohrmann, D. (eds.) *Science in Western and Eastern Civilization in Carolingian Times*. Basel: Birkhäuser Verlag
- Carleton, M.A.
 1901 Emmer: A Grain for the Semi-arid Regions. United States Department of Agriculture Farmer's Bulletin. no. 139: 5-15
- Carmichael, P.
 1991 (ed.) *Nomads*. London: Collins and Brunn
- Carneiro, R.L.
 1970 A theory of the origin of the state. *Science*. 169: 733-8
 1974 A Reappraisal of the Roles of Technology and Organization in the Origin of Civilization. *American Antiquity*. vol. 39: 179-185
 1978 Political expansion as an expression of the principle of competitive exclusion. pp. 205-23 in Cohen, R. and Service, E.R. (eds.) *Origins of the State*. New York: Norton
 1990 Chiefdom-level warfare as exemplified in Fiji and the Cauca Valley. pp. 190-211 in Haas, J. (ed.) *The Anthropology of War*. Cambridge: Cambridge University Press
- Černá, E. and Velimský, T.
 1991 Lidské kosterní pozůstatky v sídlištních objectech kultury nálevkovitých pohárů v Malém Brežně. Okr. Most. *Archeologické Rozhledy*. vol. 43: 47-62
- Chagnon, N.A.
 1989 Life histories, Blood Revenge and Warfare in Tribal Populations. *Science*. vol. 239: 985-92
 1990 Reproductive and Somatic Conflicts of Interest in the Genesis of Warfare among Tribesmen. pp. 77-104 in Haas, J. (ed.) *The Anthropology of War*. Cambridge: Cambridge University Press
- Champion, T.C. and Megaw, J.
 1985 (eds.) *Settlement and Society*. Leicester: Leicester University Press
- Chapman, J.C.
 1983 The Secondary Products Revolution and the limitations of the Neolithic. *Bulletin of the Institute of Archaeology*. vol. 19: 107-2
 1999 Where are the missing parts-a study of artefact fragmentation. *Památky Archeologické*. vol. 90: 5-22

Childe, V.G.

1930 *The Bronze Age*. New York: Biblo and Tannen

1936 *Man Makes Himself*. New York: New American Library

1945 Directional changes in funerary practices during 50,000 years. *Man*. vol. 45: no. 4: 14-19

1949 Neolithic House-Types in Temperate Europe. *Proceedings of the Prehistoric Society*. vol. 15: 7-82

1951 *Prehistoric Migrations in Europe*. Oslo: Institutt F.O.R. Sammen Lignenda

1957 *The Dawn of European Civilization*. London: Routledge and Paul

Chochorowski, J.

1984 Die Vekerzug-Kultur, Fragen ihrer Genese und Chronologie. *Acta Archaeologica Carpathica*. vol. 23: 99-162

Chytráček, M. and Bernat, J.

2000 Pozdně halštatské a časně latěnské sídliště v Praze-Zbraslavi. *Památky Archeologické*. vol. 91: 255-313

Čižmář, M.

1972 Die Gesellschaftsstruktur der Kelten in Mähren im Lichte der Erforschung von Gräberfelder. *Acta Musei Moraviae*. vol. 57: 73-81

1989 Erforschung des keltischen Oppidums Staré Hradisko in den Jahren 1983-1988 (Mähren, C.S.S.R.).

Archäologisches Korrespondenzblatt. vol. 19: 265-8

1990a Časně latěnské nálezy z Hradiska-Černov, obec Ježkovice, okres Vyškov. pp. 196-204 in Nekuda, V. (ed.) *Praveké a Slovenské Osídlení Moravy*. Brno

1990b Die Erforschung der spätelatènezeitlichen Siedlung in Bořitov, Bez. Blansko (Mähren, C.S.F.R.). *Archäologisches Korrespondenzblatt*. vol. 20: 311-15

1991 Neue Erkenntnisse über die Púchov-Kultur in Mähren (C.S.F.R.). *Archäologisches Korrespondenzblatt*. vol. 21: 523-6

Clark, J.D.G.

1980 *The Mesolithic Prelude*. Edinburgh: Edinburgh University Press

Clarke, D.L.

1968 *Analytical Archaeology*. London: Methuen

1976 *Mesolithic Europe: the economic basis*. London: Duckworth

Coblenz, W.

1982 Zu den bronze- und früheisenzeitlichen Befestigungen der Sachsisch-Lausitzischen Gruppe. pp. 149-58 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie

COHMAP

1988 Climatic Changes of the Last 18,000 Years: Observations and Model Simulations. *Science*. vol. 241: 1043-52

Coles, J.M.

1962 *European Bronze Age Shields* *Proceedings of the Prehistoric Society*. vol. 28: 156-90

Coles, J.M. and Harding, A.F.

1979 *The Bronze Age in Europe*. London: Methuen

Collis, J.

1986 *Oppida, Earliest Towns North of the Alps*. Sheffield: University of Sheffield

Colson, E.

1978 Redundancy of Actors. pp. 150-62 in Barth, F. (ed.) *Scale and Social Organization*. Oslo: Universitetsforl.

Čtrnáct, V.

1954 Mohylová chata a sídlení mohylové objekty v Plzeňsku. *Památky Archeologické*. vol. 45: 335-55

Čtverák, V. and Rulí, J.

1989 Nálezy horizontu jordanovské kultury z Třebestovic, okr. Nymburk. *Památky Archeologické*. vol. 80: 5-29

- Čujanová-Jítková, E.
 1967 Der donaulandische Vorhügelgräberhorizont A2-B1 und neue Funde aus Westböhmen. *Památky Archeologické* vol. 58: 381-412
 1970 Mittelbronzezeitliche Hügelgräberfelder. Prague: Archeologický Ústav
 1972 Ein Beitrag zur Chronologie der Siedlungen der mittelbronzezeitlichen Hügelgräberkultur. *Archeologické Rozhledy*. vol. 24: 500-25
 1979 Alte Theorien und neue Funde zu den Anfängen der Hügelgräberkultur in Westböhmen. *Archäologisches Korrespondanzblatt*. vol. 9: 31-4
- Czarnecka, K.
 1990 Age-Related Changes of Social Status: An Attempt at Reconstruction based on Przeworsk Culture Cemeteries with Anthropological Determinants. *Archaeologia Polona*. vol. 28: 123-48
- Czerniak, L.
 1990 The Neolithization of Kujavian Communities. *Archaeologia Polona*. vol. 28: 49-70
- Dąbrowski, M.J.
 1971 Analiza pyłkowa warstw kulturowych z Sarnowa, pow. Włocawek. *Prace i Materiały Muzeum Archeologicznego i Etnograficznego w Łodzi*. vol. 18: 147-64
- Deiner, P.
 1980 Ecology and Evolution in Cultural Ecology. *Man*. vol. 15: 1-31
- Dimbleby, G.W.
 1985 *The Palynology of Archaeological Sites*. London: Academic Press
- Dobisíková, M.
 1992 Antropologické zhodnocení hrobů ze Záhlinic, Okr. Kroměříž. *Pravěk (Nová Rada)*. vol. 2: 233-6
- Dohle, H.J.
 1993 Haustierhaltung und Jägd in der Linienbandkeramik: Ein Überblick. *Zeitschrift für Archäologie*. vol. 27: 125-44
- Dohnal, V.
 1974 Die Lausitzer Urnenfelderkultur in Ostmähren. Prague: Academia
 1977 Kultura Lužických popelnicových polí na východní Moravě. Brno: Archeologický Ústav
 1987 Zur Deutung der spätbronzezeitlichen Burgwälle in Mähren. pp. 263-72 in Hrala, J. and Plesl, E. (eds.) *Die Urnenfelderkulturen Mitteleuropas*. Prague: Archeologický Ústav
- Dolukhanov, P.M. and Khotinskiy, N.A.
 1984 Human Cultures and the Natural Environment in the USSR during the Mesolithic and Neolithic. pp. 319-327 in Velichko (ed.) *Quaternary Environments of the Soviet Union*. Minneapolis: University of Minnesota Press
- Domanski, G.
 1994 Die Bevölkerungszunahme in Mitteleuropa und die Gründe für den Ausbruch des Markomannenkrieges. pp. 109-114 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen* Brno: Archeologický Ústav
- Drda, P. and Rybková, A.
 1997 Keltská opida v centru Boiohaema. *Památky Archeologické*. vol. 78: 65-123
- Dresslerová, D.
 1995a A Late Hallstatt Settlement in Bohemia, Excavation at Jenštejn, 1984. Prague: Archeologický Ústav
 1995b A settlement-economic model for prehistoric micro-region: settlement activities in the Vnoř-stream basin during the Hallstatt period. pp. 155-60 in Kuna, M. and Venclová, N. 1995 (eds.) *Whither Archaeology?*. Prague: Archeologický Ústav
- Droberjar, E.
 1994 Der Niederschlag der Markomannenkriege auf den kaiserzeitlichen Siedlungen in Südmähren und die Frage der Übergangsstufe B2-C1. pp. 179-202 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen* Brno: Archeologický Ústav

Droberjar, E. (cont.)

1995 Zur Frage der ältesten germanischen und römischen Siedlungsfunde in Mähren. pp. 21-38 in Tejral, J., Pieta, K. and Rajtár, J. (eds.) *Kelten, Germanen, Römer im Mitteldonauegebiet vom Ausklang der La Tène-Zivilisation bis zum 2. Jahrhundert*. Brno-Nitra: Archeologický Ústav

Dunbar, R.I.M.

1991 On Sociobiological Theory and the Cheyenne Case. *Current Anthropology*. vol. 32: 169-73

Dunnell, R.

1978 Early Farming in South Bulgaria from the VI to the III Millennia B.C. Oxford: British Archaeological Reports

Dunnell, R.C.

1980 Evolutionary theory and archaeology. *Advances in Archaeological Method and Theory*. vol. 3: 38-100

Durham, W.

1982 Interaction of genetic and cultural evolution: models and examples. *Human Ecology*. vol. 10: 289-324

Dušek, M.

1966 Thrakisches Gräberfeld der Hallstattzeit in Chotín. Nitra: Archeologický Ústav

1969 Bronzezeitliche Gräberfelder in der Südwestslowakei. Nitra: Archeologický Ústav

1974 Die Thraker im Karpatenbecken. *Slovenská Archeológia*. vol. 22: 361-434

Dvořák, F.

1938 *Wagengräber der Älteren Eisenzeit in Böhmen*. Prague: Charles University

Dvořák, P.

1989 Die Glockenbecherkultur in Mähren. pp. 201-5 in Buchvaldek, M. and Pleslová-Štichová, E. (eds.) *Das Äneolithikum und die früheste Bronzezeit (ca 3000-2000 b.c.) in Mitteleuropa: kulturelle und chronologische Beziehungen*. Prague: Charles University

1992 *Die Gräberfelder der Glockenbecherkultur in Mähren I (Bez. Blansko, Brno-Město, Brno-Venkov)*. Brno: P. Dvořák Verlag

Dvořák, P. and Šebela, L.

1992 Beziehungen zwischen Schnurkeramik und die Glockenbecherkultur in Mähren. pp. 99-108 in Buchvaldek, M. and Strahm, C. (eds.) *Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik*. Prague: Charles University

Dvořák, P., Rakovský, I. and Stuchlíková, J.

1992 Pohřebiště lidu s kulturou se zvonovitými poháry u Záhlinic, okr. Kroměříž. *Pravěk (Nová Radá)*. vol. 2: 215-32

Eddy, J.A.

1976 The Maunder Minimum. *Science*. vol. 192: 1189-92

Ehrich, R.W. and Pleslová-Štichová, E.

1968 *Homolka, an Eneolithic site in Bohemia*. Cambridge, Mass.: Peabody Museum

Ellenberg, H.

1978 *Ziegerwerte von Gefäßpflanzen in Mitteleuropa*. Göttingen: Verlag Erich Goltz

1988 *Vegetation Ecology of Central Europe*. Cambridge: Cambridge University Press

Ember, M.

1963 The Relationship between Economic and Political Development in Non-industrialized Societies. *Ethnology*. vol. 2: 228-48

1972 An Archaeological Indicator of Matrilocal versus Patrilocal Residence. *American Antiquity*. vol. 38: 177-82

Evans-Pritchard, E.E.

1940 *The Nuer. A description of the modes of livelihood and political institutions of a Nilotic people*. Oxford: Oxford University Press

Fægri, K., J. Iversen, P.E. Kaland and K. Krzywinski

1989 *Textbook of Pollen Analysis*, 3rd ed. Chichester: John Wiley and Sons

- Fall, P.
1987 Pollen Taphonomy in a Canyon Stream. *Quaternary Research*. 28: 393-406
- Fedigan, L.M.
1986 The Changing Role of Women in Models of Human Evolution. *Annual Review of Anthropology*. vol. 15: 25-66
- Feinman, G. and Neitzel, J.
1984 Too Many Types: An Overview of Pre-State Societies in the Americas. *Advances in Archaeological Method and Theory*. vol. 4: 39-102
- Ferguson, R.B.
1990 Explaining War. pp. 26-55 in Haas, J. (ed.) *The Anthropology of War*. Cambridge: Cambridge University Press
1992 A Savage Encounter: Western Contact and the Yanomami War Complex. pp. 199-208 in Ferguson, R.B. and Whitehead, N.L. (eds.) *War in the Tribal Zone*. Santa Fe, New Mexico: School of American Research
- Feustel, R.
1958 *Bronzezeitliche Hügelgräberkultur im Gebiet von Schwarzau*. Weimar: H. Böhlans
- Filip, J.
1977 *Celtic Civilization and its Heritage*. Prague: National Museum
- Firbas, F.
1949 *Waldgeschichte Mitteleuropas*. Band 1. Jena: Gustav Fischer
1952 *Waldgeschichte Mitteleuropas*. Band 2. Jena: Gustav Fischer
- Flannery, K.
1972 The Origin of the Village as a Settlement Type in Mesoamerica and the Near East: A Comparative Study. pp. 23-54 in Ucko, P.J., Tringham, R. and Dimbleby, G.W. (eds.) *Man, Settlement and Urbanism*. London: Duckworth
2002 The Origin of the Village Revisited. From Nuclear to Extended Households. *American Antiquity*. vol. 67: 417-34
- Flannery, K. and Winter, M.
1976 Analyzing Household Activities. pp. 34-44 in Flannery, K. (ed.) *The Early Mesoamerican Village*. New York: Academic Press
- Flassar, I.
n.d. Expertise der Malakofauna aus Radovesice. (unpublished manuscript)
- Fleming, A.
1972 The Genesis of Pastoralism in European Prehistory. *World Archaeology*. vol. 4: 179-91
- Forenbaher, S.
1993 Radio-carbon and the Central European Bronze Age. *Antiquity*. vol. 67: 235-56
- Forge, A.
1972 Normative factors in the settlement size of Neolithic cultivators. pp. 363-76 in Ucko, P.J., Tringham, R. and Dimbleby, G.W. (eds.) *Man, Settlement and Urbanism*. London: Duckworth
- Franc, F.X.
1906 (1988 Šaldová, V. ed.) *Štáhlauer Ausgrabungen*. Prague: Archeologický Ústav
- Freeman, J.D.
1966 The Family System of the Iban of Borneo. pp. 15-52 in Goody, J. (ed.) *The Developmental Cycle in Domestic Groups*. Cambridge: Cambridge University Press
- Frenzel, B.
1966 Climatic change in the Atlantic/sub-Boreal transition on the Northern Hemisphere: botanical evidence. pp. 99-123 in Sawyer, J.P. (ed.) *Proceedings of the International Symposium on World Climate from 8000 to 0 BC*. London: Royal Meteorological Society
1975 The Distribution Pattern of Holocene Climatic Change in the Northern Hemisphere. pp. 105-118 in Secretariate of the WMO (ed.) *Proceedings of the WMO/IMAP Symposium on Long-Term Climatic Fluctuations*. Geneva: WMO

- Fried, M.
1967 *The Evolution of Political Society*. New York: Random House
- Fridrich, F. C.
1956 *Nálezy knovízské kultury v Zadní a Hlasné Třebáňi (okr. Beroun)*. *Památky Archeologické*. vol. 47: 34-41
- Fridrichová, M.
1974 *Halštatské sídliště pražském území*. Prague: City Museum of Prague
1982 *Sídlíšní nálezy střední doby bronzové z Prahy-Bubenči*. *Archaeologica Pragensia*. vol. 3: 17-30
- Furmánek, V.
1977a *Pilinská kultura*. Prague: Archeologický Ústav
1977b *Pilinyer Kultur*. *Slovenská Archeológia*. vol. 25: 251-370
1990 *Radzovce, osada ľudu popolnicových polí*. Bratislava: Veda
- Furmánek, V. and Horst, F.
1982 *Die sozialökonomische Entwicklung der bronzezeitlichen Stämme im Mitteleuropa*. in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
- Furmánek, V. and Marková, K.
1992 *Siedlung des Tel-Typs in Včelínce*. pp. 293-303 in Herrmann, J. (ed.) *Heinrich Schliemann, Grundlagen und Ergebnisse moderner Archäologie 100 Jahre nach Schliemanns Tod*. Berlin: Akademie Verlag
1994 *Revizny výskum mohyly z doby železnej vo Včelinciah*. *Slovenská Archeológia*. vol. 42: 369-97
- Furmánek, V. and Pieta, K.
1985 *Počiatky odievania na Slovensku*. Bratislava: Tatran
- Furmánek, V. and Veliačik, L.
1987 *Die Urnenfelderkulturen in der Slowakei*. pp. 287-294 in Hrala, J. and Plesl, E. (eds.) *Die Urnenfelderkulturen Mitteleuropas*. Prague: Archeologický Ústav
- Furmánek, V., Veliačik, L. and Romsauer, P.
1982 *Bronzezeitliche befestigte Siedlungen in der Slowakei*. pp. 159-66 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
- Furmánek, V., Veliačik, L. and Vladár, J.
1991 *Slovensko v dobe bronzovej*. Bratislava: Veda
- Gediga, B.
1990 *Die Südwestliche Zone Polens am Übergang von der frühen zum älteren Bronzezeit*. pp. 143-52 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zur Geschichte und Kultur der mitteleuropäischen Bronzezeit*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
- Gedl, M.
1982a *Frühbronzezeitliche befestigte Siedlung in Jędrychowice und die Probleme der Nowa Cerekiew-Gruppe in Oberschlesien*. pp. 37-51 in *Frühbronzezeitliche befestigte Siedlungen in Mitteleuropa*. Kraków: Jagellonian University
1982b *Frühbronzezeitliche Burgen in Polen*. pp. 189-208 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
1992a *Besiedlungsdynamik in der Spätebronzezeit an der Liswarta im Westteil Kleinpolens*. *Archäologisches Korrespondenzblatt*. vol. 22: 493-501
1992b *Frühlausitzer Gräberfeld in Kiertz*. Kraków: Zakład Narodowy
1993 *Die frühe Eisenzeit in Schlesien*. *Bericht der Römisch-Germanische Kommission*. vol. 74: 460-86
- v. Geel, B., Raspopov, O.M., Renssen, H., v. der Plicht, J., Dergachev, V.A. and Meijer, H.A.J.
1999 *The role of solar forcing upon climate change*. *Quaternary Science Reviews*. vol. 18: 331-8

- Geisler, M. and Peška, J.
1990 Sídliště únětické a středodunajské mohylové kultury z Holubic. *Archeologické Rozhledy*. vol. 42: 510-22
- Gendel, P.A.
1984 *Mesolithic Social Territories in Northwestern Europe*. Oxford: British Archaeological Reports
- Gentili, J.
1952 *A Geography of Climate*. Perth: University of Western Australia Press
- Gimbutas, M.
1965 *Bronze Age Cultures in Central and Eastern Europe*. The Hague: Mouton
- Glass, M.
1991 *Animal Production Systems in Neolithic Central Europe*. Oxford: British Archaeological Reports
- Godłowska, M., Rook, E. and Drobniewicz, B.
1985 A Settlement of the Linear Pottery Culture at Pleszów. *Przegląd Archeologiczny*. vol. 33: 57-103
- Godłowska, M., Kozłowski, J.K., Starkel, L. and Wasylukowa, K.
1987 Neolithic Settlement at Pleszów and Changes in the Natural Environment in the Vistula Valley. *Przegląd Archeologiczny*. vol. 35: 133-59
- Godłowski, K.
1984 Superiores Barbari und die Markomannenkriege im Lichte archäologischer Quellen. *Slovenská Archeológia*. vol. 32: 327-46
1995 Die ältere Kaiserzeit in der Umgebung von Kraków. pp. 83-1022 in Tejral, J., Pieta, K. and Rajtár, J. (eds.) *Kelten. Germanen, Römer im Mitteldonauegebiet vom Ausklang der LaTène-Zivilisation bis zum 2. Jahrhundert*. Brno-Nitra: Archeologický Ústav
- Goody, J.
1976 *Production and Reproduction*. Cambridge: Cambridge University Press
- Gould, S.J.
1982 Darwinism and the Expansion of Evolutionary Theory. *Science*. vol. 216: 380-7
- Gould, S.J. and Gilinsky, N.L.
1987 Asymmetry of Lineages and the Direction of Evolutionary Time. *Science*. vol. 236: 1137-41
- Grey, J.
1981 The use of stable-isotope data in climate reconstruction. pp. 53-81 in Wigley, T.M.L. (ed.) *Climate and History*. Cambridge: Cambridge University Press
- Griczuk, V.P.
1950 Rasstiteľnost Russkoj rovniny v nizne- i srednecetvertičnoje vremja. *Trudy Inst. Geogr. A.N.S.S.S.R. (Leningrad)*. vol. 46: 5-202
- Grime, J.P., Hodgson, J.G. and Hunt, R.
1988 *Comparative Plant Ecology*. London: Unwin-Hyman
- Groenman-Van Waateringe, W.
1986 Grazing Possibilities of the Neolithic of the Netherlands Based on Palynological Data. pp. 187-202 in Behre, K.E. (ed.) *Anthropogenic Indicators in Pollen Diagrams*. Rotterdam: A.A. Balkema
- Grove, J.M.
1988 *The Little Ice Age*. London: Methuen
- Grygiel, R.
1986 The Household Cluster as a Fundamental Social Unit of the Lengyel Culture in the Polish Lowlands. *Prace i Materiały Muzeum Archeologicznego i Etnograficznego w Łodzi*. vol. 31: 43-326

- Göhne, A. and Simon, K.
1986 Frühe Siedlungsspuren am Elbübergang in Dresden-Neustadt. Arbeits- und Forschungsberichte zur Sachsischen Bodendenkmalpflege. vol. 30: 187-343
- Guiot, J., Harrison, S.P. and Prentice, I.C.
1993 Reconstruction of Holocene Precipitation Patterns in Europe Using Pollen and Lake-Level Data. Quaternary Research. vol. 40: 139-49
- Hájek, L.
1968 Kultura zvonovitých pohárů v Čechách. Prague: Archeologický Ústav
- Hajnalová, E.
1986 Paläobotanische Reste aus Svodín. Slovenská Archeológia. vol. 34: 177-84
1989 Katalóg zvyškov semien a plodov v archeologických nálezoch na Slovensku. Nitra: Archeologický Ústav
1990 Geschichte des archäobotanischen Funden dokumentieren Anbaues mancher Getreidenarten in der Slowakei. Nitra: Archeologický Ústav
1993 Obilie v Archeobotanických Nálezoch na Slovensku. Nitra: Archeologický Ústav
- Hallpike, C.R.
1979 Foundations of Primitive Thought. Oxford: Clarendon Press
- Halstead, P.
1995 Plough and Power: The Economic and Social Significance of Cultivation with the Ox-Drawn Ard. Cambridge: Sumerian Agricultural Group
- Hamilton, W.D.
1964 The Genetical Evolution of Social Behaviour. Journal of Theoretical Biology. vol. 7: 1-52
- Hammer, C.U., Clausen, H.B. and Dansgaard, W.
1980 Greenland icesheet evidence of post-glacial volcanism and its climatic impact. Nature. vol. 288: 230-5
- Harding, A.F.
1984 Aspects of social evolution in the Bronze Age. pp. 135-46 in Bintliff, J. (ed.) European Social Evolution. Bradford: Bradford University Press
1986 Interpreting the evidence for agricultural change in the Late Bronze Age in northern Europe. Bronze Age Studies. vol. 6: 173-81
1987 Social and Economic Factors in the Origin and Development of the Urnfield Cultures. pp. 37-42 in Hrala, J. and Plesl, E. (eds.) Die Urnenfelderkulturen Mitteleuropas. Prague: Archeologický Ústav
2000 European societies in the Bronze Age. Cambridge: Cambridge University Press
- Harding, A.F. and Tait, W.J.
1989 The beginning of the end: progress and prospects in Old World chronology. Antiquity. vol. 63: 147-52
- Hardmeyer, B.
1992 Die Schnurkeramik in der Ost-Schweiz. pp 179-86 in Buchvaldek, M. and Strahm, C. (eds.) Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik. Prague: Charles University
- Härke, H.
1979 Settlement Types and Settlement Patterns in the West Hallstatt Province. Oxford: British Archaeological Reports
- Harris, R.J.
1978 The Beaker Folk. London: Thames and Hudson
- Hassan, F.A.
1981 Demographic Archaeology. New York: Academic Press
- Häusler, A.
1992 Zum Verhältnis von Okergrabkultur und Schnurkeramik. pp. 341-8 in Buchvaldek, M. and Strahm, C. (eds.) Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik. Prague: Charles University

Häusler, A. (cont.)

1994 Grab- und Bestattungsriten des Neolithikums und der frühen Bronzezeit in Mitteleuropa. *Zeitschrift für Archäologie*. vol. 28: 191-246

Havel, J.

1978 Pohřební ritus kultury zvonovitých pohárů v Čechách a na Moravě. *Praehistorica*. vol. 7: 91-117

1986 Baba-vyšinné sídliště kultury nálevkovitých pohárů v Praze 6-Dejvicích. Prague: City Museum of Prague

Havlíček, P.

1983 Late Pleistocene and Holocene Fluvial Deposits of the Morava River (Czechoslovakia). *Geologisches Jahrbuch (Reihe A)*. vol. 71: 209-17

1988 Evolution of the Morava River in Late Pleistocene and Holocene time. pp. 133-6 in Lang, G. and Schluchter, C. (eds.) *Lake, Mire and River Environments*. Rotterdam: A.A. Balkema

Hegi, G.

1909 *Flora von Mitteleuropa*. München: J.F. Lehman

Henneberg, M. and Ostojca-Zagorski, J.

1984 Use of General Ecological Model for the Reconstruction of Prehistoric Economy. The Hallstatt Period of Northwestern Poland. *Journal of Anthropological Archaeology*. vol. 3: 41-78

Hensel, W. and Milisauskas, S.

1985 Excavations of Neolithic and Early Bronze Age Sites in South-Eastern Poland. Wrocław: Zakład Narodowy

Higgs, E.S.

1975 (ed.) *Palaeoeconomy*. Cambridge: Cambridge University Press

Hockman, O.

1990 Frühneolithische Einhängungen in Europa. *Jahresschrift für mitteldeutsche Vorgeschichte*. vol. 73: 57-86

Hodder, I.

1977 A Study in Ethno-archaeology in Western Kenya. pp. 117-42 in Spriggs, M. (ed.) *Archaeology and Anthropology*. Oxford: British Archaeological Reports

Hodder, I. and Orton, C.

1976 *Spatial Analysis in Archaeology*. Cambridge: Cambridge University Press

Holodňák, P.

1991a Zu den Verhältnissen in der Hallstatt- und Latènezeit im mittleren Eger-Gebiet Veröffentlichten aus dem Museum für Ur- und Frühgeschichte, Potsdam. vol. 25: 117-20

1991b Rescue Excavations at Soběsuky, 1985-1990. pp. 210-17 in Vařeka, P. (ed.) *Archaeology in Bohemia 1986 1990*. Prague: Archeologický Ústav

Hoops, J.

1905 *Waldbäume und Kulturpflanzen im germanischen Ältertum*. Straßburg: K.J. Trübner

Horálková, P.

1990 Kolovítecká chata z latěnského sídliště v Pavlově. pp. 205-10 in Nekuda, V. (ed.) *Pravěké a Slovenské Osídlení Moravy*. Brno

1992 Časné latěnské sídliště u Šakvic, okr. Břeclav. *Pravěk (Nová Řada)*. vol. 2: 275-92

1993 Pozdné latěnské sídliště ve Vyškově s nálezy germánské keramiky. *Archeologické Rozhledy*. vol. 45: 474-91

Houšťová, A.

1960 *Kultura nálevkovitých pohárů na Moravě*. Prague: National Museum

Hrala, J.

1973 *Knovízcká kultura ve středních Čechách*. Prague: Archeologický Ústav

Hrala, J., Sedláček, Z. and Vávra, M.

1990 The Research of a Bronze Age Hill Settlement in Velim Near Kolín. *Anthropologie*. vol. 28: 189-95

Hrala, J., Sedláček, Z. and Vávra, M. (cont.)

1992 Velim: A Hilltop Site of the Middle Bronze Age in Bohemia. *Památky Archeologické*. vol. 83: 288-308

Hrala, J., Šumberová, R. and Vávra, M.

2000 Velim: A Bronze Age Fortified Site in Bohemia. Prague: Archeologický Ústav

Hrubý, V.

1950 Sřredodunajské lidstvo mohylové a jého kultura na Moravě. (Doctoral Dissertation J.E. Purkyňe Univerzita. Brno)

Hundt, H.

1958 Katalog Straubing. Kallmünz: M. Lassleben

Huntley, B.

1988 Europe. pp. 360-81 in Huntley, B. and Webb, T. (eds.) *Vegetation History*. Dordrecht: D. Reidel

1990 European vegetation history: Palaeovegetation maps from pollen data-13000 yr. BP until present. *Journal of Quaternary Science*. vol. 5: 103-22

n.d. European Palaeoclimate: 3ky and 6ky BP. (unpublished pollen transfer function data)

Huntley, B., Bartlein, J.P. and Prentice, I.C.

1989 Climatic control of the distribution and abundance of *Fagus* in Europe and North America. *Journal of Biogeography*. vol. 16: 551-60

Huntley, B. and Birks, H.J.B.

1983 *An Atlas of past and present pollen maps for Europe: 0-13000 years ago* Cambridge: Cambridge University Press

Huntley, B. and Prentice, I.C.

1988 July Temperatures in Europe from Pollen Data, 6000 Years Before Present. *Science*. vol. 241: 687-90

1993 Holocene Vegetation and Climates of Europe. pp. 136-68 in Wright, H.E., Kutzbach, J.E., Webb III, T., Ruddiman, W.F., Street-Perrott, F.A. and Bartlein, P.J. (eds.) *Global Climates Since the Last Glacial Maximum*. Minneapolis, Minnesota: University of Minnesota Press

Hüssen, C.M. and Rajtár, J.

1994 Zur Frage archäologischer Zeugnisse der Markomannenkriege in der Slowakei. pp. 217-32 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen*. Brno: Archeologický Ústav

Ingram, M.J.

1981 Past climates and their impact on Man: a review. pp. 3-50 in Wigley, T.M.L. (ed.) *Climate and History*. Cambridge: Cambridge University Press

Institute of Botany, University of Innsbruck

n.d. Catalogue of Pollen Types. (unpublished manuscript)

Jacobson, G. and Bradshaw, R.H.W.

1981 The Selection of Sites for Paleovegetational Studies. *Quaternary Research*. vol. 16: 80-96

Jäger, K. and Ložek, V.

1982 Environmental Conditions and Land Cultivation during the Urnfield Bronze Age in Central Europe. pp. 162-78 in Harding, A.F. (ed.) *Climatic Change in Later Prehistory*. Edinburgh: Edinburgh University Press

Jankovská, V.

1971 The Development of Vegetation on the Western Slopes of the Bohemian-Moravian Uplands during the Late Holocene Period: A Study Based on Pollen and Macroscopic Analyses. *Folio Geobotanica et Phytotaxonomica*. vol. 6: 281-302

1980 Paläogeobotanische Rekonstruktion der Vegetationsentwicklung im Becken Třebonská pánev während des Spätgläzials und Holozäns. *Vegetacae Č.S.S.R.* vol. 11a: 1-152

1983 Palynologische Forschung am ehemaligen Komořany-See (Spätgläzial bis Subatlantikum). *Věstník Ústředního ústavu geologického*. vol. 58: 99-107

1988a Palynologische Erforschung archäologischer Proben aus dem Komořanské Jezero-See bei Most (NW-Böhmen). *Folio Geobotanica et Phytotaxonomica*. vol. 23: 45-77

- Jankovská, V. (cont.)
 1988b A Reconstruction of the Late-Glacial and Early-Holocene Evolution of Forest Vegetation in the Poprad Basin. Czechoslovakia. *Folio Geobotanica et Phytotaxonomica*. vol. 23: 305-320
 1990 Rekonstrukce životního prostředí středověkého Mostu na základě pylových analýz. *Študijské Zvesti Archeologického Ústavu S.A.V.* vol. 26:171-7:
 1992 Vegetationsverhältnisse und Naturumwelt des Beckens Jestřebská kotlina am ende des Spätgläzials und im Holozän (Doksý Gebiet). *Folio Geobotanica et Phytotaxonomica*. vol. 27: 137-48
- Jankowska, B.
 1980 Szata Roslinna Okolic Gopla w Poznym Glacjale i Holocenie Oraz Wplyw Osadnictwa na jej Rozwoj w Świetle Badań Paleobotanicznych. *Przegląd Archeologiczny*. vol. 27: 5-41
- Jelínek, J.
 1957 Anthropophagy and Funeral Rite of the Bronze Age according to finds from Moravia and Neighbouring Territories. *Acta Musei Moraviae*. vol. 70: 85-130
 1990 Neuer Fund der menschlichen Überreste aus der älteren Bronzezeit auf Cezavy bei Blučina. *Památky Archeologické* vol. 81: 300-3
- Jenny, H.
 1941 *Factors of Soil Formation*. London: McGraw-Hill
- Jílková, E.
 1958 Der älteste und jungste Horizont der westböhmischn Húgelgráberkeramik im Gráberfeld. *Památky Archeologické*. vol. 49: 312-47
- Johnson, A.W. and Earle, T.
 1987 *The Evolution of Human Societies*. Stanford, California: Stanford University Press
- Jørgensen, S.
 1985 *Tree-Felling with Original Neolithic Flint-Axes in Draved Wood*. Copenhagen: National Museum
- Kaiser, K.F.
 1991 Tree-rings in Switzerland and other mountain regions: Late Glacial through Holocene. pp. 119-32 in Frenzel, B. (ed.) *Evaluation of climate proxy data in relation to the European Holocene*. Stuttgart: Gustav Fischer
- Kaltofen, A.
 1984 *Studien zur Chronologie der Völkerwanderungszeit in südöstlichen Mitteleuropa*. Oxford: British Archaeological Reports
- Kamienska, J. and Kozłowski, J.
 1990 *Die Entwicklung und Gruppengliederung der Lengyelkultur in Polen*. Krakow: Jagiellonian University
- Karlen, W.
 1993 Glaciological, sedimentological and palaeobotanical data indicating Holocene climatic change. pp. 69-84 in Frenzel, B. (ed.) *Oscillations of the Alpine and Polar Tree Limits in the Holocene*. Stuttgart: Gustav Fischer
- Kazdová, E.
 1984 Těšetice-Kyjovice. Vol. I. *Starší stupeň kultury s moravskou malovanou keramikou*. Brno: J.E. Purkyňe Univerzita
- Kazdová, E. and Weber, Z.
 1990 Architektur der Lengyel-Rondelle im mittleren Donauraum. *Jahresschrift für mitteldeutsche Vorgeschichte*. vol. 73: 159-70
- Khotinskiy, N.A.
 1984 Holocene Vegetation History. pp. 179-200 in Velichko, A.A. (ed.) *Late Quaternary Environments of the Soviet Union*. Minneapolis, Minnesota: University of Minnesota Press
- Kilian, M.R., v. der Plicht, J. and v. Geel, B.
 1995 Dating raised bogs: new aspects of AMS ¹⁴C wiggle matching, a reservoir effect and climate change. *Quaternary Science Reviews*. vol. 14: 959-66

- Klejn, L.
1982 *Archaeological Typology*. Oxford: British Archaeological reports
n.d. *Pastoral Nomadism in Eurasian Steppes*. (unpublished manuscript)
- Klichowska, M.
1979 *Wheat from a Neolithic Site at Opatowice, Province of Wrocławek*. *Prace i Materiały Muzeum Archeologicznego w Łodzi*. vol. 20: 60-5
1984 *Struktury Uprawne w Epoce Brązu i we Wczesnej Epoce Żelaza na Ziemiach Polskich w Świetle Badań Archeobotanicznych*. *Archeologia Polski*. vol. 29: 69-108
- Knor, A.
n.d. (Unpublished field notes for the parish of Vraný in the Archive of the Archaeological Institute, Prague)
- Knörzer, K.H.
1971 *Urgeschichtliche Unkrauter im Rheinland: Ein Beitrag zur Entstehungsgeschichte der Segetalgessellschaften*. *Vegetatio Geobotanica*. vol. 23: 89-111
1973 *Subfossile Pflanzenreste aus der bandkeramischen Siedlung Langweiler 3 und 6, Kreis Jülich, und ein urnenfelderzeitlicher Getreidefund innerhalb dieser Siedlung*. *Bonner Jahrbücher*. vol. 172: 395-402
- Kobyliński, K.
1990 *Explaining vs. Understanding*. *Archeologia Polona*. vol. 30: 23-48
- Kodýn, O.
1967 (ed.) *Geological Survey of Czechoslovakia Prague: Geological Institute*
- Kohler, E. and Lange, E.
1979 *Contributions to Distinguishing Cereal from Wild Grass Pollen Grains by L.M. and S.E.M. Grana*. vol. 18: 133-40
- Kolník, T.
1980 *Römerzeitliche Gräberfelder in der Slowakei*. Bratislava: Veda
1984 *Römische und Germanische Kunst in der Slowakei*. Bratislava: Tatrn
- Kopacz, J. and Šebela, L.
1992 *Chipped Stone Industries of the Moravian Corded Ware Culture*. *Przegląd Archeologiczny*. vol. 39: 67-85
- Korobkova, G.F.
1981 *Ancient Reaping Tools and Their Productivity in Light of Experimental Tracewear Analysis*. pp. 325-49 in Kohl, P.L. (ed.) *The Bronze Age Civilizations of Central Asia: Recent Soviet Discoveries*. New York: Sharpe
- Kossack, G.
1954 *Studien zum Symbolgut der Urnenfelder- und Hallstattzeit Mitteleuropas*. Berlin: de Gruyter
- Kosse, K.
1979 *Settlement Ecology of the Early and Middle Neolithic Körös and Linear Pottery Cultures in Hungary*. Oxford: British Archaeological Reports
1990 *Group size and societal complexity: thresholds in long-term memory*. *Journal of Anthropological Archaeology*. vol. 9: 275-303
1994 *The evolution of complex groups: a hypothesis*. *Journal of Anthropological Archaeology*. vol. 13: 35-49
- Košťuřík, P.
1972 *Die Lengyel-Kultur in Mähren*. Brno: Archeologický Ústav
- Košťuřík, P. and Šebela, L.
1992 *Eneolitická sídliště v Dolních Věstonicích, Okr. Břeclav. Pravěk (Nová Rada)*. vol. 2: 183-204
- Kotyza, O.
1991 *Vývoj řeky Ohře a zanikání středověkých vsí*. *Litoměřicko*. vol. 26: 5-29

Koutecký, D.

1986 Knovízské sídliště ve Velemyšlevisi (okr. Louny). pp. 104-7 in *Archeologické výzkumy v severozápadních Čechách v letech 1973-1982*. Prague: Archeologický Ústav

1988a Halštatské osídlení v severozápadních Čechách, nálezy z doby bronzové, halštatské a starolatenské na Kadaňsku, I. *Archeologické Rozhledy*. vol. 40: 49-96

1988b Halštatské osídlení v severozápadních Čechách, nálezy z doby bronzové, halštatské a starolatenské na Kadaňsku, II. *Archeologické Rozhledy*. vol. 40: 254-95

1992 Das Bylaner Gräberfeld in Poláky, Kr. Chomutov, II Teil. *Památky Archeologické*. vol. 83: 6-58

1993 Halštatské osídlení v severozápadních Čechách, nálezy z doby bronzové, halštatské a latenské na Podbořansku. III. *Archeologické Rozhledy*. vol. 45: 585-608

1994 Halštatské osídlení v severozápadních Čechách, nálezy z doby bronzové, halštatské a latenské na Podbořansku. IV. *Archeologické Rozhledy*. vol. 46: 25-48

Koutecký, D. and Smrž, Z.

1991 Pohřebiště bylanské kultury v Polákách, okr. Chomutov, I díl. *Památky Archeologické*. vol. 82: 166-230

Kovářík, J.

1982 Zarové pohřebiště nejstarší fáze knovízské kultury v Praze-Bubenci. *Archaeologica Pragensia*. vol. 3: 31-9

1992 Pravěké sídliště v Brně-Lišni, okr. Brno-město. *Pravěk (Nová Řada)*. vol. 2: 77-98

Kowalska, A.

1992 Preliminary Results of Investigations of Late Przeworsk Culture Settlement in Niedźwiednik, near Ziębice. Site 18. *Śląskie Sprawozdania Archeologiczne*. vol. 33: 83-8

Krippel, E.

1986 Postglacialný vývoj vegetácie Slovenska. Bratislava: Veda

Kristiansen, K.

1998 *Europe before history*. Cambridge: Cambridge University Press

Křivánek, G., Ondráček, J. and Stloukal

1975 Protoúnětické hroby z Vyškova na Moravě. *Archeologické Rozhledy*. vol. 24: 514-19

Kruk, J.

1980 *The Neolithic Settlement of Southern Poland*. Oxford: British Archaeological Reports

1993 Socio-economic development and changes in natural environment on loess uplands in the Neolithic (4800-1800 BC). *Sprawozdania Archeologiczne*. vol. 45: 7-18

Kubiena, W.L.

1953 *The Soils of Europe*. London: Thomas Murby

Kučan, D.

1984 Kulturpflanzenfunde aus Pod bei Bugojno, Zentralbosnien. pp. 246-56 in v. Zeist, W. and Casparie, W.A. *Plants and Ancient Man*. Rotterdam: A.A. Balkema

Kudrnáč, J.

1954 Chata z maldší doby kamené v Klučově. *Památky Archeologické*. vol. 45: 107-113

Kulczycka-Leciejewiczowa, A.

1988 Erste Gemeinschaften der Linienbandkeramikultur auf polnischem Boden. *Zeitschrift für Archäologie*. vol. 23: 137-82

Kuna, M.

1991 The structuring of prehistoric landscape. *Antiquity*. vol. 65: 332-47

1998 Method of Artefact Survey. pp. 77-83 in Neustupný, E. (ed.) *Space in Prehistoric Bohemia*. Prague: Archeologický Ústav

Kuna, M. and Slabina, M.

1987 Zur Problematik der Siedlungsareale (in der Bronzezeit). pp. 263-8 in Cerná, E. (ed.) *Archäologische Rettungstätigkeit in den Braunkohlgebieten und die Problematik der siedlungsgeschichtlichen Forschung*. Most: Archaeological Expozitura

- Küster, H.
1989 Pollen Analytical Evidence for the Beginning of Agriculture in South Central Europe. pp. 137-47 in Miles, A. Williams, D. and Gardner, N. (eds.) *The Beginnings of Agriculture*. Oxford: British Archaeological Reports
- Kutzbach, J.E. and Ruddiman, W.F.
1993 Model Description, External Forcing and Surface Boundary Conditions. pp.12-23. in Wright, H.E., Kutzbach, J.E., Webb III, T., Ruddiman, W.F., Street-Perrott, F.A. and Bartlein, P.J. (eds.) *Global Climates Since the Last Glacial Maximum*. Minneapolis, Minnesota: University of Minnesota Press
- Kutzbach, J.E., Guetter, P.J., Behling, P.J. and Selin, R.
1993 Simulated Climatic Changes: Results of the COHMAP Climate-Model Experiments. pp. 24-93 in Wright, H.E., Kutzbach, J.E., Webb III, T., Ruddiman, W.F., Street-Perrott, F.A. and Bartlein, P.J. (eds.) *Global Climates Since the Last Glacial Maximum*. Minneapolis, Minnesota: University of Minnesota Press
- Kuzmová, K. and Rajtár, J.
1986 Bisherige Erkenntnisse zur Befestigung des Römerkastells in Iža. *Slovenská Archeológia*. vol. 34: 185-224
- Kyncl, J.
1987a Versuch einer Rekonstruktion der neolithischen und postneolithischen Vegetationsverhältnisse der Landschaft am Lužický potok bei Kadaň. pp. 217-21 in Cerná, E. (ed.) *Archäologische Rettungstätigkeit in den Braunkohlegebieten und die Problematik der siedlungsgeschichtlichen Forschung*. Most: Archaeological Expozitura
1987b Vztah Vegetace a osídlení v mikroregionu Lužického potoka na Kadaňsku. *Archeologické Rozhledy*. v 39: 662-8
- Kytlicová, O.
1960 Eneolitické pohřebiště v Brandysku. *Památky Archeologické*. vol. 51: 442-74
1991 Die Bronzegefäße in Böhmen. Stuttgart: Steiner
- Kytlicová, O., Vokolek, V. and Bouzek, J.
1964 Zur urnenfelderzeitlichen Chronologie Böhmens. *Acta Musei Reginaehradensis S.B.: Scientiae Sociales*. 7: 143-80
- Lamb, H.H.
1979 Climatic Variation and Changes in the Wind and Ocean Circulation: the Little Ice Age in the Northeast Atlantic. *Quaternary Research*. vol. 11: 1-20
1981 An approach to the study of the development of climate and its impact on human affairs. pp. 291-309 in Wigley, T.M.L. (ed.) *Climate and History*. Cambridge: Cambridge University Press
- Lamb, H.H., Lewis, R.P.W. and Woodroffe, A.
1966 Atmospheric Circulation 8000 to 0 BC. pp. 174-217 in Sawyer, J.P. (ed.) *Proceedings of the International Symposium on World Climate from 8000 to 0 BC*. London: Royal Meteorological Society
- Landschneit, T.
1987 Long-Range Forecasts of Solar Cycles and Climate Change. pp. 421-5 in Rampino, M. R. (ed.) *Climate History, Periodicity and Predictability*. New York: Van Nostrand Reinhold
- Lange, E.
1971 *Botanische Beiträge zur mitteleuropäischen Siedlungsgeschichte*. Berlin: Akademie Verlag
- Larick, R.
1991 Warriors and Blacksmiths: Mediating Ethnicity in East African Spears. *Journal of Anthropological Archaeology*. vol. 10: 299-331
- Larson, E., Sejrum, H.P., Johnsen, S.J. and Knudsen, K.L.
1995 Do Greenland Ice Cores Reflect NW European Interglacial Climate Variations?. *Quaternary Research*. vol. 43: 125-32
- Levitki, O.
1994 Culturi din Epoca Hallstattui Timpuriu si Mijlociu. *Thrako-Dacia*. vol. 15: 159-64

- Litt, T.
1990 Pollenanalytische Untersuchungen im Allertal bei Eilsleben, Kr. Wanzleben, und ihre Aussagemöglichkeiten zur Vegetationsentwicklung während des Frühneolithikums. *Jahresschrift für mitteldeutsche Vorgeschichte*. vol. 73: 49-56
- Lorencová, A. Beneš, J and Podborský, V.
1987 Těšetice-Kyjovice. Vol III. Únětické pohřebiště v Těšetících-Vinohradech. Brno: J.E. Purkyňe Univerzita
- Lotka, A.J.
1956 *Elements of mathematical biology*. New York: Dover Publications
- Lowe, J.J. and Walker, M.J.C.
1984 *Reconstructing Quaternary Environments*. New York: Longman
- Ložek, V.
1964 Quatärmollusken der Tschechoslowakei. Prague: Geological Institute
1972 Holocene Interglacial and its Land Snails. *Quaternary Research*. vol. 2: 327-34
1980 Holocén. *Slovenská Archeológia*. vol. 28: 107-18
1981 Změny krajiny v souvislosti s osídlením ve světlé malakologických poznátku. *Archeologické Rozhledy*. vol. 33: 176-88
1986 Anthropogene Umweltveränderung während der Urnenfelder-Bronzezeit, dargestellt am Beispiel mitteleuropäischer Karstlandschaften. *Veröffentlichungen aus dem Museum für Ur- und Frühgeschichte, Potsdam*. vol. 20: 133-6
- Ludíkovský, K.
1971 Hostýn, Gemeinde Chvalčov, Kr. Kroměříž. *Archeologické Rozhledy*. vol. 23: 312-21
- Lünning, J.
1967 Die Michelsberg Kultur. *Bericht der Römisch-Germanischen Kommission*. vol. 48: 1-350
1982 Research into the Bandkeramik Settlement of the Aldenhoven Platte in the Rhineland. *Analecta Praehistorica Leidensia*. vol. 15: 23-9
- Madeyska, E.
1989 Type Region P-f: Sudetes Mts.-Bystrzyckie Mts. *Acta Palaeobotanica*. vol. 29: 37-41
- Magny, M.
1982 Atlantic and Sub-boreal: dampness and dryness?. pp. 33-43 in Harding, A.F. (ed.) *Climatic Change in Later Prehistory*. Edinburgh: Edinburgh University Press
- Malinowski, B.
1922 *Argonauts of the western Pacific* London: Routledge and Sons
- Malinowski, T.
1990 Die mittelbronzezeitlichen Skelletbestattungen der Lausitzer Kultur in Polen. pp 295-308 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
- Mania, D.
1973 Eiszeitliche Landschaftsentwicklung im Kartenbild, dargestellt am Beispiel des mittleren Elbe-Saale-Gebiet. *Jahresschrift für mitteldeutsche Vorgeschichte*. vol. 57: 17-47
- Mann, M.
1986 *The Sources of Social Power*. Vol. 1 from the beginnings to AD 1760. Cambridge: Cambridge University Press
- Manson, J.H. and Wrangham, R.W.
1991 Inter-group aggression in chimpanzees and humans. *Current Anthropology*. vol. 32: 369-77
- Markey, T.L.
1989 The spread of agriculture in western Europe: Indo-European and (non-) pre-Indo-European linguistic evidence. pp. 585-606 in Harris, D. and Hillman, G.C. (eds.) *Foraging and Farming*. London: Unwin-Hyman

- Markgraf, V.
1980 Pollen dispersal in a mountain area. *Grana*. vol. 9: 127-46
- Mateiciucová, I.
2001 Silexartefakten aus ältesten und älteren LBK-Fundstellen in Brunn am Gebirge in Niderösterreich (Vorbericht). *Antaeus*. vol. 25: 169-88
- Matthews, J.A.
1993 Deposits indicative of Holocene climatic fluctuations in the timberline areas of Northern Europe. pp. 85-98 in Frenzel, B. (ed.) *Oscillations of the Alpine and Polar Tree Limits in the Holocene*. Stuttgart: Gustav Fischer
- Maynard-Smith, J. and Price, G.R.
1973 The Logic of Animal Conflicts. *Nature*. vol. 246: 15-8
- McDermott, F., Frisia, S., Huang, Y., Longinelli, A., Spiro, B., Heaton, T.H.E., Hawkesworth, C.J., Borsato, A., Keppens, E., Fairchild, I.J., v. der Borg, K., Verheyden, S. and Selmo, E.
1999 Holocene climate variability in Europe: evidence from $\delta^{18}\text{O}$, textural and extension-rate variations in three speleothems. *Quaternary Science Reviews*. vol. 18: 1021-38
- McGovern, T.H.
1981 The economics of extinction in Norse Greenland. pp. 404-33 in Wigley, T.M.L. (ed.) *Climate and History*. Cambridge: Cambridge University Press
- Meduna, J.
1962 Laténské zarové hroby na Moravě. *Památky Archeologické*. vol. 53: 87-136
1970 Das keltische Oppidum Staré Hradisko in Mähren. *Germania*. vol. 48: 34-59
1980 Die latènezeitlichen Siedlungen in Mähren. Prague: Academia
- Medunová-Benešová, A.
1964 Eneolitické výšinné sídliště Staré Zámky v Brně-Lišn. *Památky Archeologické*. vol. 55: 91-155
1972 Jevišovice-Starý Zámek Schicht B. Brno: Archeologický Ústav
1973 Grešlové Mýto. Brno: Archeologický Ústav
1977a Palliardiho Hradisko, eine äneolithische Höhensiedlung bei Vysočany. Brno: Archeologický Ústav
1977b Jevišovická kultura na jihozápadní Moravě. Praha: Archeologický Ústav
1981a Jevišovice-Starý Zámek Schicht e C1, C2, C. Brno: Archeologický Ústav
1981b Zur Frage des Vorkommens der Kosihy-Čaka Gruppe in Mähren. *Slovenská Archeológia* vol. 29: 97-103
1986 Křepice, äneolithische Höhensiedlung "Hradisko". Brno: Archeologický Ústav
- Midgely, M.
1985 The Origin and Function of Earthen Long Barrows of Northern Europe. Oxford: British Archaeological Reports
1992 TRB Culture. Edinburgh: Edinburgh University Press
- Milisauskas, S.
1986 Early Neolithic Settlement and Society at Olszanica. Ann Arbor, Michigan: University of Michigan Press
1989 Economy, Migration, Settlement Organization and Warfare during the Late Neolithic in Southeastern Poland. *Germania*. vol. 67: 77-96
- Militký, J.
1993 Sídliště mohylové kultury v západních Čech. (Doctoral Dissertation, Univerzita Karlová, Prague)
- Morgan, L.
1877 Ancient Society. Cleveland, Ohio: World Publishing Company
- Morgan, R.P.C.
1979 Soil Erosion. London: Longman
- Motyková, K., Drda, P. and Rybova, A.
1991 The state of studies of the settlement pattern of the Oppidum at Závist and their evaluation. pp. 115-25 in Vařeka, P. (ed.) *Archaeology in Bohemia 1986-1990*. Prague: Archeologický Ústav

Motyková-Sneiderová, K.

- 1960 Osídlení z mláďší doby laténské a z doby římské a stěhování národů v Zaluží u Čelkákovic. *Památky Archeologické*. vol. 51: 161-83
- 1963 *Die Anfänge der römischen Kaiserzeit in Böhmen*. Prague: National Museum
- 1967 *Weiterentwicklung und Ausklang der älteren römischen Kaiserzeit in Böhmen*. Prague: National Museum

Moucha, V.

- 1954 Rozbor únětického pohřebiště v Polepech u Kolína. *Archeologické Rozhledy*. vol. 6: 571-5
- 1992 *Die Schnurkeramik und die Glockenbecherkultur in Böhmen*. pp. 81-8 in Buchvaldek, M. and Strahm, C. (eds.) *Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik*. Prague: Charles University

Moucha, V. and Trnka, V.

- 1959 Siedlungsobjekt aus der mittleren Bronzezeit aus Tuchlovice in Böhmen. *Archeologické Rozhledy*. vol. 11: 517-57

v. Müller, A.

- 1964 *Die jungbronzezeitliche Siedlung von Berlin-Lichterfelde*. Berlin: Hessling

Müller-Karpe, H.

- 1957 *Münchener Urnenfelder*. Kallmünz: M. Lassleben
- 1961 *Die spätneolithische Siedlung von Pölling*. Kallmünz: M. Lassleben
- 1974 *Handbuch der Vorgeschichte*. Vol. III. *Küpperzeit*. München: Beck
- 1980 *Handbuch der Vorgeschichte*. Vol IV. *Bronzezeit*. München: Beck

Munzár, J.

- 1992 Weather patterns in Czechoslovakia during the years 1588-1598. pp. 51-6 in Frenzel, B. (ed.) *European Climate Reconstructed from Documentary Data: Methods and Results*. Stuttgart: Gustav Fischer

Murdock, G.P.

- 1967 *Ethnographic Atlas: A Summary*. *Ethnology*. vol. 6: 203-221

Murdock, G.P. and C. Provost

- 1973 *Factors in the Division of Labour by Sex: A Cross-Cultural Analysis*. *Ethnology*. vol. 12: 203-25

Murdock, G.P. and Wilson, S.F.

- 1972 *Settlement Pattern and Community Organization: Cross-Cultural Codes*. *Ethnology*. vol. 11: 254-95

Nandris, J.

- 1972 *Relations between the Mesolithic, the First Temperate Neolithic, and the Bandkeramik: The Nature of the Problem*. *Alba Regia*. vol. 12: 61-70

Naroll, R.

- 1962 *Floor Area and Settlement Population*. *American Antiquity*. vol. 27: 587-609

Nekvasil, J.

- 1973 *Junghallstattzeitliche Siedlungen um Mohelnice*. *Památky Archeologické*. vol. 64: 42-85
- 1979 *Horákovské sídliště v Brně-Králové Polí*. Brno: Archeologický Ústav
- 1982a *Bemerkungen zu den Burgwällen der Lausitzer Kultur in Mähren*. pp. 311-331 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
- 1982b *Pohřebiště lužické kultury Moravičanech Brno*: Archeologický Ústav
- 1987 *Der gegenwärtige Forschungsstand der Lausitzer Kultur während der urnenfelder Periode im Mähren*. pp. 255-62 in Hrala, J. and Plesl, E. (eds.) *Die Urnenfelderkulturen Mitteleuropas*. Prague: Archeologický Ústav
- 1990 *Hradisko lužické kultury na Holém Kopci u Buchlovic*. pp. 165-95 in Nekuda, V. (ed.) *Pravěk a Slovenské Osídlení Moravy*. Brno: Archeologický Ústav

Nekvasil, J. and Podborský, V.

- 1991 *Die Bronzegefäße in Mähren*. Stuttgart: Steiner

Němejcová-Pavúková, V.

1986 Vorbericht über die Ergebnisse der systematischen Grabung in Svodín in den Jahren 1971-1983. Slovenská Archeológia. vol. 34: 133-76

Nesje, A. and Dahl, O.S.

1993 Late Glacial and Holocene Glacier Fluctuations and Climate Variations in Western Norway: a Review. Quaternary Science Reviews. vol. 12: 255-62

Neustupný, E.

1967 K počátkům patriarchátu ve střední Evropě. Prague: Archeologický Ústav

1969 Economy of the Corded Ware cultures. Archeologické Rozhledy. vol. 21: 43-68

1973 Die Badaner Kultur. pp. 17-52 in Symposium über die Entstehung und Chronologie der Badaner Kultur. Bratislava: Archeologický Ústav

1976 The Bell Beaker culture in East-Central Europe. pp. 112-31 in World Archaeological Congress (ed.) La Civilisation des Vases Campaniformes. Nice: World Archaeological Congress

1981 Das Äneolithikum Mitteleuropas. Jahresschrift für mitteldeutsche Vorgeschichte. vol. 63: 177-87

1982 Prehistoric Migrations by Infiltration. Archeologické Rozhledy. vol. 34: 278-93

1983 Demographie pravěkých pohřebišť. Prague: Archeologický Ústav

1985 On the Holocene Period in the Komořany Lake Area. Památky Archeologické. vol. 76: 9-70

1987 Pravěke eroze a akumulace v oblasti lužického potoka. Archeologické Rozhledy. vol. 39: 629-42

1991 Community areas of prehistoric farmers in Bohemia. Antiquity. vol. 65: 326-31

1993 Archaeological Methodology. Cambridge: Cambridge University Press

Neustupný, E. and Smrž, Z.

1989 Čachovice-pohřebiště kultury se šňůrovou keramikou a zvonovitých pohárů. Památky Archeologické. vol. 80: 282-383

Neustupný, E. and Venclová, N.

1998 The Louděnice Region in Prehistoric Times. pp. 84-105 in Neustupný, E. (ed.) Space in Prehistoric Bohemia. Prague: Archeologický Ústav

Neustupný, E. and Vesely, K.

1977 Most Radiocarbon Dates I. Radiocarbon. vol. 19: 183-7

Neustupný, J.

1950 Neolitické opevněné sídliště v Hlubokých Mašůvkách na Moravě. Archeologické Rozhledy. vol. 2: 11-49

Novotný, B.

1955 Hrob velmože z počátků doby římské v Praze-Bubenči. Památky Archeologické. vol. 46: 227-57

Nobel, P.S.

1991 Physiochemical and Environmental Plant Physiology. New York: Academic Press

Okuniewska-Nowaczyk, I.

1987 Late Holocene History of the Vegetation Growing in the Vicinity of Lake Skrzyńka, The Greater Poland National Park, Obtained from Pollen Analytical Data. Acta Palaeobotanica. vol. 27: 137-51

Ondráček, J. and Šebela, L.

1985 Pohřebiště Nitrianské Skupiny v Holešově. Kroměříž: Kroměříž Museum

Opravil, E.

1965 Výsledky rozboru uhlíku z Bezkova. Sborník Prací Filosofické Fakulty Brněnské University. vol. 14: 154

1967 Die südmährischen Wälder im jüngeren Holozän. Prague: Academia

n.d. Die Pflanzenreste aus Radovesice. (unpublished manuscript)

Ožďáni, O.

1986 Zur Problematik der Entwicklung der Hügelgräberkulturen in der Slowakei. Slovenská Archeológia. vol. 34: 5-96

Palliardi, J.

1914 Die relative Chronologie der jüngeren Steinzeit in Mähren. Wiener Prähistorische Zeitschrift. vol. 1: 256-77

Pare, C.

1991 Swords, Wagon Graves and the Beginning of the Early Iron Age in Central Europe. Marburg: Philipps-Universität

Parry, M. L.

1978 Climatic Change, Agriculture and Settlement. Folkstone: Dawson

Paulík, J.

1955 Halštatská a halštatsko-laténska osada pri Seredi. Slovenská Archeológia. vol. 3: 135-94

1962 Das Velatice-Baierdorfer Hügelgrab in Očkov. Slovenská Archeológia. vol. 10: 5-96

Pavelčík, J.

1964 Die äneolithische Gruppe mit der Keramik des Typus von Bošáca in Mähren. Památky Archeologické. vol. 55: 279-93

1983 Drobné terrakoty z Hlinska u Lipníku. Památky Archeologické. vol. 74: 295-315

1986 Hrubotvara kamenná industrie z výšinné osady lidu s kannelovanou keramikou v Hlinsku u Lipníku nad Bečvou.

Památky Archeologické. vol. 77: 197-225

1990a Rituální pohřeb ženy na výšinné osade lidu s kannelovanou keramikou v Hlinsku u Lipníku nad Bečvou.

Archeologické Rozhledy. vol. 42: 501-8

1990b Těžba a zpracování kamené na výšinné eneolitické osadě u Hlinska u Lipníku nad Bečvou. Casopis Slezské Muzeum

(B). vol. 39: 97-105

1992 Nové nálezy antropomorfních a zoomorfních idolů na Moravě. Pravěk (Nová Řada). vol. 2: 201-14

Pavlů, I

1972 Problém neolitického osídlení jižních Čech. Archeologické Rozhledy. vol. 24: 260-8

1986 Theses on the Neolithic site of Bylany. Památky Archeologické. vol. 77: 288-412

1990 Die charakteristischen Einfüllungen von Grabenanlagen. Jahresschrift für mitteldeutsche Vorgeschichte. vol. 73:

171-8

Pavlů, I. and Rulf

1991 Stone Industry from the Neolithic Site of Bylany. Památky Archeologické. vol. 82: 277-365

Pavlů, I. and Zápotocká, M.

1978 Analyses of the Czech Neolithic Pottery. Prague: Archeologický Ústav

1983 Bylany, Section A. Part 1. Prague: Archeologický Ústav

1985 Bylany, Section A. Part 2. Prague: Archeologický Ústav

Pavúk, J.

1972 Neolithisches Gräberfeld in Nitra. Slovenská Archeológia. vol. 20: 5-105

1976 Zu einigen Fragen der Entwicklung der neolithischen Besiedlung in der Westslowakei. Jahresschrift für mitteldeutsche Vorgeschichte. vol. 60: 331-42

1980 Ältere Linearbandkeramik in der Slowakei. Slovenská Archeológia. vol. 28: 7-90

1981a The Present State of Knowledge of the Lengyel Culture in Slovakia. Památky Archeologické. vol. 72: 255-99

1981b Erste Siedlungsfunde der Gruppe Čhŕpice-Veselé aus der Slowakei. Slovenská Archeológia. vol. 29: 163-76

1982 Die Hauptzeuge der neolithischen Besiedlung in der Slowakei in Bezug zu Naturbedingungen. pp. 40-8 in Methodické Problémy Československé Archeologie. Prague: Archeologický Ústav

1986 Siedlungswesen der Lengyel-Kultur in der Slowakei. A Béri Balogh Ádám Múzeum Évkönyve. vol. 13: 213-44

1990 Siedlung der Lengyel-Kultur mit Palisadenanlagen in Žikovce, Westslowakei. Jahresschrift für mitteldeutsche Vorgeschichte. vol. 73: 137-42

1991 Lengyel Culture Fortified Settlements in Slovakia. Antiquity. vol. 65: 248-57

1994 Stúrovo. Ein Siedlungsplatz der Kultur mit Linierbandkeramik und der Zliežovce-Gruppe. Nitra: Archeologický Ústav

Pavúk, J. and Batora, J.

1995 Siedlung und Gräber der Ludanice-Gruppe in Jelšovce. Nitra: Archeologický Ústav

Pavúk, J., Romsauer, P. and Veliačik, L.

n.d. Veränderungen von Siedlungsarealen als mögliche Folge klimatischer Schwankungen in der Westslowakei.

(unpublished manuscript)

- Pavúk, J. and Šiška, S.
1980 Neolit a Eneolit. *Slovenská Archeológia*. vol. 28: 137-58
- Pazdur, A., Pazdur, M.F., Starkel, L. and Szulc, J.
1988 Stable Isotopes of Holocene Calcareous Tufa in Southern Poland as Paleoclimatic Indicators. *Quaternary Research*. vol. 30: 177-89
- Parzinger, H., Nekvasil, J. and Barth, F.E.
1995 Die Býčí Skála-Höhle. Mainz: Philip von Zabern
- Pearson, G.W. and Stuiver, M.
1986a High-precision calibration of the radiocarbon time scale AD 1950-500 BC. *Radiocarbon*. vol. 28: 805-38
1986b High-precision calibration of the radiocarbon time scale 500-2500 BC. *Radiocarbon*. vol. 28: 839-62
1993 High-precision bidecadal calibration of the radiocarbon time scale 500-2500 BC. *Radiocarbon*. vol. 35: 25-34
- Pennington, W.
1979 The origins of pollen in lake sediments: an enclosed lake compared to one receiving inflow streams. *New Phytologist*. vol. 83 189-213
- Peoples, J.G.
1982 Individual or Group Advantage? A re-interpretation of the Maring ritual cycle. *Current Anthropology*. vol. 23: 291-300
- Pernička, R.M.
1964 Geografický rozsah a charakter osídlení Moravy v době římské. *Sborník Prací Filosofické Fakulty Brněnské University*. vol. 13: 53-66
1965 Römerzeitliche Gräberfelder in Mähren. *Sborník Prací Filosofické Fakulty Brněnské University*. vol. 14: 155-76
- Peška, J.
1989 Die Anfänge der Bronzezeit in Ostmähren. pp. 193-9 in Buchvaldek, M. and Plešková-Štichová, E. (eds.) *Das Äneolithikum und die früheste Bronzezeit (c14 3000-2000 b.c.) in Mitteleuropa: kulturelle und chronologische Beziehungen*. Prague: Charles University
- Peška, J. and Rakovský, I.
1992 Zur Problematik der Entwicklung Südmährens im Jungäneolithikum. *Archeologické Rozhledy*. vol. 44: 170-84
- Peška, J. and Šebela, L.
1992 Funde der Chloupice-Veselé-Gruppe in Mähren und ihre Stellung in der Endphase des Spätäneolithikums. pp. 131-41 in Buchvaldek, M. and Strahm, C. (eds.) *Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik*. Prague: Charles University
- Peškař, I.
1961 Nové poznátky o obytných stavbách na Moravských sídlištích z doby římské. *Památky Archeologické*. vol. 52: 414-22
1978 *Starší doba římská na Moravě*. Prague: Academia
- Peške, L.
1981 Ekologická interpretace Holocénní avifauny Československa. *Archeologické Rozhledy*. vol. 33: 142-53
1991 Animal Bones from Bylany. pp. 265-71 in Rulf, J (ed.) *Bylany Seminar 1987*. Prague: Archeologický Ústav
1994 Contribution to the Beginning of Milking in Prehistory. *Archeologické Rozhledy*. vol. 46: 97-114
- Petrie, W.M.F.
1912 *The Revolutions of Civilisation*. London: Harper and Brothers
- Pfister, C.
1981 The Little Ice Age in Switzerland. pp. 214-48 in Wigley, T.M.L. (ed.) *Climate and History*. Cambridge: Cambridge University Press
- Pianka, E.R.
1988 *Evolutionary Ecology*. New York: Harper and Collins

- Pichlerová, M.
1966 Gräberfeld mit Späterschnurkeramik vom Veselý-Typus in Ivanka pri Dunaji. *Sborník Slovenského Národného Múzea*. vol. 60: 25-66
- Pieta, K.
1994 Mittel- und Nordslowakei zur Zeit der Markomannenkriege. pp. 353-62 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen*. Brno: Archeologický Ústav
- Piggott, S.
1983 *The Earliest Wheeled Transport*. London: Thames and Hudson
- Piontek, J.
1992 Climatic changes and biological structure of human populations in Poland in the Middle Ages. pp. 105-14 in Frenzel, B. (ed.) *European Climate Reconstructed from Documentary Data: Methods and Results*. Stuttgart: Gustav Fischer
- Pittioni, R.
1951 *Prehistoric Copper-Mining in Austria*. London: Institute of Archaeology
1954 *Urgeschichte des österreichischen Raumes*. Wien: F. Deuticke
- Plachá, V. and Paulík, J.
2000 Počiatky osídlenia Devínskeho Hradiska v maldšej bode bronzove. *Slovenská Archeológia*. vol. 48: 37-86
- Pleiner, R. and Rybová, A.
1978 (eds.) *Pravěké Dějiny Čech*. Prague: Academia
- Pleinerová, I.
1960 Únětické pohřebiště a osada v Blšanech u Loun. *Památky Archeologické*. vol. 51: 488-526
1972 Die vorgeschichtliche Fundstelle in Březno. *Archeologické Rozhledy*. vol. 22: 369-72
1980 Kultovní objekty z pozdní doby kamené v Březne u Loun. *Památky Archeologické*. vol. 71: 10-56
1981 Problém stop orby v časně eneolitickém nález z Března. *Archeologické Rozhledy*. vol. 33: 133-41
1984 Häuser der Spätengyelhorizonts in Březno bei Louny. *Památky Archeologické*. vol. 75: 7-49
1990 Dva eneolitické dlouhé domy z Března. *Památky Archeologické*. vol. 81: 255-74
- Pleinerová, I. and Hrala, J.
1988 Březno, osada lidu knovízské kultury v severozápadních Čechách. Ústí nad Labem: Louny Regional Museum
- Pleinerová, I. and Pavlů, I.
1979 Březno, osada z maldší doby kamené v severozápadních Čechách. Ústí nad Labem: Louny Regional Museum
- Plesl, E.
1961 Lužická kultura v severozápadních Čechách. Prague: Archeologický Ústav
1990 Pravěké nálezy ze Slatin u Františkových Lázní (addenda). *Památky Archeologické*. vol. 81: 59-73
- Pleslová-Šti chová, E.
1972a Eneolitické osídlení v Lysolajích u Prahy. *Památky Archeologické*. vol. 63: 3-141
1972b Hospodářský a společenský vývoj středoevropského eneolitu. Prague: Archeologický Ústav
1981a Mužky u Mnichová Hradiště. Praha: National Museum
1981b Chronologie und Siedlungsformen der Rívniáč-Kultur und Kugelamphorenkultur Böhmens. *Jahresschrift für mitteldeutsche Vorgeschichte*. vol. 64: 159-71
1985 Makotřasy, A TRB site in Bohemia. Prague: Archeologický Ústav
1989 Böhmen in Alt- bis Jungäneolithikum. pp 75-80 in Buchvaldek, M. and Pleslová-Šti chová, E. (eds.) *Das Äneolithikum und die früheste Bronzezeit (c14 3000-2000 b.c.) in Mitteleuropa: kulturelle und chronologische Beziehungen*. Prague: Charles University
- Pleslová-Šti chová, E., Marek, F. and Horský, Z.
1980 A Square enclosure of the Funnel Beaker Culture (3500 B.C.) at Makotřasy (Central Bohemia): A Palaeoastronomic Structure. *Archeologické Rozhledy*. vol. 32: 3-35

Podborský, V.

- 1963 K problematice moravského halštatu II, halštatská malovaná keramika. Sborník Prací Filosofické Fakulty Brněnské University. vol. 12: 15-50
- 1965 Die Hallstatt-Siedlung in Těšetice. Prague: National Museum
- 1967 K datování a původu některých bronzových předmětů ze Štramberského Kotouče. Sborník Prací Filosofické Fakulty Brněnské University. vol. 41: 7-62
- 1970 Mähren in der Spätebronzezeit und an der Schwelle der Eisenzeit. Brno: J.E. Purkyňe Univerzita
- 1974 Der Stellung der südmährischen Horákov-Kultur im Rahmen des danubischen Hallstatt. pp. 7-62 in Symposium zu Problemen der jüngeren Hallstattzeit in Mitteleuropa. Bratislava: Archeologický Ústav
- 1984 Domy lidu s moravskou malovanou keramikou. Sborník Prací Filosofické Fakulty Brněnské University. vol. 33: 27-66
- 1985 Těšetice-Kyjovice. Vol II. Figuralní plastika lidu s moravskou malovanou keramikou. Brno: J.E. Purkyňe Univerzita
- 1988 Těšetice-Kyjovice. Vol. IV. Rondel osady lidu s moravskou malovanou keramikou. Brno: J.E. Purkyňe Univerzita
- 1989 Die Chronologie und kulturelle Verbindungen zur Zeit der Kulturen Spätengyel-Bajč-Retz-Krepice-früheste TRB in Mitteldonauegebiet. pp. 55-60 in Buchvaldek, M. and Pleslová-Štičková, E. (eds.) Das Äneolithikum und die früheste Bronzezeit (ca 3000-2000 b.c.) in Mitteleuropa: kulturelle und chronologische Beziehungen. Prague: Charles University
- 1991 Poznámky ke kruhovým architekturám pravěké a rané historické Evropy. Pravěk (Nová Řada). vol. 1: 90-148
- 1993 (ed.) Pravěké Dějiny Moravy. Brno: Archeologický Ústav

Porter, S.C.

- 1981 Glaciological evidence of Holocene climate change. pp. 82-110 in Wigley, T.M.L. (ed.) Climate and History. Cambridge: Cambridge University Press

Porter, S.C. and Orombelli, G.

- 1985 Glacier contraction during the middle Holocene in the western Alps: Evidence and implications. Geology. vol. 13: 296-8

Poulik, J.

- 1942 Das keltische Gräberfeld von Brünn-Malmeritz. Zeitschrift des Mährischen Landesmuseums (Neue Folge). vol. 2: 49-86

Prentice, I.C., Harrison, S.P., Jolly, D. and Guiot, J.

- 1999 The climate and biomes of Europe at 6000 yr BP: comparison of model simulations and pollen-based reconstructions. Quaternary Science Reviews. vol. 17: 659-68

Přichystal, A. and Šebela, L.

- 1992 Lithic Raw Materials Used by the People with Corded Ware in Moravia and the Adjoining Part of Upper Silesia. Scripta. vol. 22: 29-39

Punt, W. and Clarke, G.C.S.

- 1988 The Northwest European Pollen Flora. vol. IV. Amsterdam: Elsevier

Quitta, H.

- 1970 Zur Lage und Verbreitung der bandkeramischen Siedlungen in Leipziger Land. Zeitschrift für Archäologie. vol. 4: 1-71

Racz, L.

- 1992 Variations of climate in Hungary. pp. 125-36 in Frenzel, B. (ed.) European Climate Reconstructed from Documentary Data: Methods and Results. Stuttgart: Gustav Fischer

Rada, I.

- 1987 Die siedlungsarchäologische Erforschung im Becken von Pétipsy. pp. 39-42 in Černá, E. (ed.) Archäologische Rettungsstätigkeit in den Braunkohlegebieten und die Problematik der siedlungsgeschichtlichen Forschung. Most: Archaeological Expositura

Rakovský, I.

- 1990 Zur Problematik der äneolithischen Höhensiedlungen in Mähren. Jahresschrift für mitteldeutsche Vorgeschichte. vol. 73: 149-57

- Rakovský, I and Šebela, L.
1991 Hroby se šňůrovou keramikou v Pavlově. *Archeologické Rozhledy*. vol. 43: 206-224
- Ralska-Jasiewiczowa, M.
1977 Impact of Prehistoric Man on Natural Vegetation as Recorded in Pollen Diagrams from Different Regions of Poland. *Folio Quaternaria*. vol. 49: 75-91
- Rappaport, R.
1978 Maladaptation in Social Systems. pp. 49-73 in Friedman, J. and Rowlands, M.J. (eds.) *The Evolution of Social Systems*. London: Duckworth
- Rasmussen, P.
1993 Analysis of Goat/Sheep Faeces from Egolzwil 3, Switzerland: Evidence for Branch and Twig Foddering of Livestock in the Neolithic. *Journal of Archaeological Science*. vol. 20: 479-502
- Rataj, J. and Vokolek, V.
1962 Lužické a Slezskoplatěnické pohřebiště v Opatovicích. *Památky Archeologické*. vol. 53: 19-66
- Renfrew, J.
1973 *Palaeoethnobotany*. London: Methuen
- Říhovský, J.
1965 *Das Urnengräberfeld von Klentice*. Prague: Archeologický Ústav
1966a K poznání sídlištních forem v kultuře středodunajských popelnicových polí. *Acta Musei Moraviae*. vol. 51: 61-98
1966b Počátky mláďší (podolské) fáze středodunajského okruhu kultury popelnicových polí. *Památky Archeologické*. vol. 57: 459-534
1968 *Das Urnengräberfeld in Oblekovice*. Prague: Archeologický Ústav
1979 *Die Nadeln in Mähren und im Ostalpengebiet*. München: Beck
1982a *Základy středodunajských popelnicových polí na Moravě*. Prague: Archeologický Ústav
1982b *Das Urnengräberfeld von Podolí*. Brno: Archeologický Ústav
1982c Hospodářský a společenský život velatické osady v Lovčičkách. *Památky Archeologické*. vol. 73: 5-56
- Rittershofer, K.F.
1987 Grabraub in der Bronzezeit. *Bericht der Römisch-Germanischen Kommission*. vol. 68: 5-23
- Romsauer, P. and Veliačik, L.
1987 Entwicklung und Beziehung der Besiedlung der Lausitzer und Mitteldonauländischen Urnenfelder in der Westslawakei. pp. 295-304 in Hrala, J. and Plesl, E. (eds.) *Die Urnenfelderkulturen Mitteleuropas*. Prague: Archeologický Ústav
- Rösch, M.
1988 Subfossile Moosfunde aus prähistorischen Feuchtbodensiedlungen: Aussagemöglichkeiten zu Umwelt und Wirtschaft. pp. 177-98 in *Der Prähistorische Mensch und Seine Umwelt*. Stuttgart: Udelgard Körber-Gröhne
- Rossignol-Strick, M.
1983 African Monsoons, an immediate climatic response to orbital insolation. *Nature*. vol. 304: 46-9
- Rowlands, M.J.
1972 Defence: A Factor in the Organization of Settlements. pp. 447-62 in Ucko, P.J., Tringham, R. and Dimbleby, G.W. (eds.) *Man, Settlement and Urbanism*. London: Duckworth
- Roymans, N.
1990 *Tribal Societies in Northern Gaul*. Amsterdam: Universiteit van Amsterdam
- Rudolf, W.
1981 *World Climates*. Stuttgart: Wissenschaftliche Verlagsgesellschaft
- Rulf, J.
1979 K relativní hustotě osídlení Čech v neolitu a eneolitu. *Archeologické Rozhledy*. vol. 31: 176-91
1981a Zur Siedlungskontinuität im Neolithikum und Äneolithikum in Böhmen. *Prachistorica*. vol. 8: 55-8

Rulf, J. (cont.)

- 1981b Poznámky k zemědělství středoevropského neolitu a eneolitu. *Archeologické Rozhledy*. vol. 33: 123-32
- 1983 Přírodní prostředí a kultury českého neolitu a eneolitu. *Památky Archeologické*. vol. 74: 35-95
- 1987 Das großflächige Bewässerungssystem und die Siedlungsstruktur des südöstlichen Kolíner Raumes. pp. 287-92 in Černá, E. (ed.) *Archäologische Rettungsstätigkeit in den Braunkohlegebieten und die Problematik der siedlungsgeschichtlichen Forschung*. Most: Archaeological Expositura
- 1994a Die Umwelt und die neolithische Besiedlung Mitteleuropas. *Archeologické Rozhledy*. vol. 46: 394-409
- 1994b The Flood plain archaeology. pp. 77-83 in Růžicková, E. and A. Zeman (eds.) *Holocene Flood plain of the Labe River*. Prague: Geological Institute

Russell, K.W.

- 1988 After Eden: The Behavioural Ecology of Early Food Production in the Near East and North Africa. Oxford: British Archaeological Reports

Růžicková, E. and Zeman, A.

- 1995 (eds.) *Manifestations of Climate on the Earth's Surface at the End of the Holocene*. Kolín: Regional Museum

Rybniček, K.

- 1989 The XII International Meeting of European Quaternary Botanists (Czechoslovakia, June 5th-15th, 1989). Brno: Geobotanical Institute

Rybniček, K. and Rybničková, E.

- 1985 Palaeoecological reconstruction of precultural vegetation in the intermontane basins of the Western Carpathians. *Ecologia Mediterranea*. vol. 11: 27-31
- 1987 Palaeogeobotanical Evidence of Middle Holocene Stratigraphic Hiatuses in Czechoslovakia and their Explanation. *Folio Geobotanica et Phytotaxonomica*. vol. 22: 313-27

Rybničková, E.

- 1983 Vegetational and Environmental Changes in Some Czechoslovak Type Regions During the Last 12.000 Years. *Quaternary Studies in Poland*. vol. 4: 251-5

Rybničková, E. and Rybniček, K.

- 1968 The history of flora and vegetation in the Blato-mire in the Southwestern Bohemia. *Folio Geobotanica et Phytotaxonomica*. vol. 3: 117-42
- 1971 The Determination and Elimination of Local Elements in Pollen Spectra from Different Sediments. Review of Palaeobotany and Palynology. vol. 11: 165-76
- 1972 Erste Ergebnisse paläogeobotanischer Untersuchungen des Moores bei Vracov, Südmähren. *Folio Geobotanica et Phytotaxonomica*. vol. 7: 285-308
- 1973 Pollen diagram from Vracov and the Problem of the Origin of Southern Moravian Steppe. pp. 35-9 in Neistadt, M.I. (ed.) *Palinologija golocena i marinopalnologija*. Proceedings of the III International Palynological Conference in Novosibirsk 1971. Moscow: III International Palynological Conference
- 1985 Palaeogeobotanical Evaluation of the Holocene Profile from the Režabinec Fish-pond. *Folio Geobotanica et Phytotaxonomica*. vol. 20: 418-38
- 1988 Isopollen maps of *Picea abies*, *Fagus sylvatica* and *Abies alba* in Czechoslovakia: Their application and limitations. pp. 51-66 in Lang, G. and Schluchter, C. (eds.) *Lake, Mire and River Environments*. Rotterdam: A.A. Balkema
- 1993 Late Quaternary forest line oscillations in the West Carpathians. pp. 187-94 in Frenzel, B. (ed.) *Oscillations of the Alpine and Polar Tree Limits in the Holocene*. Stuttgart: Gustav Fischer

Rybničková, E., Rybniček, K. and Jankovská, V.

- 1975 Palaeoecological investigation of buried peat profiles from the Zbudovská blata marshes. *Folio Geobotanica et Phytotaxonomica*. vol. 10: 157-78

Rybová, A. and Drda, P.

- 1994 *Hradiště by Strakonice*. Prague: Archeologický Ústav

Rybová, A. and Šaldová, V.

- 1958 Über den Grabrius der Milavčer Kultur in Westböhmen. *Památky Archeologické*. vol. 49: 348-411

Ryder, M.J.

1969 Changes in the fleece following domestication. pp. 495-524 in Ucko, P.J. and Dimbleby, G.W. (eds.) *The Domestication and Exploitation of Plants and Animals*. London: Duckworth

1983 *Sheep and Man*. London: Duckworth

Rýzner, Č.

1884 Řivnáč, předhistorické hradiště u Levého Hradce. *Památky Archeologické*. vol. 12: 210-5

Sahlins, M.

1961 The Segmentary Lineage: An Organization of Predatory Expansion. *American Anthropologist*. vol. 63: 322-45

1968 *Tribesmen*. Englewood Cliffs, New Jersey: Prentice-Hall

Sakellariadis, M.

1979 *The Economic Exploitation of the Swiss Area in the Mesolithic and Neolithic Periods*. Oxford: British Archaeological Reports

Salač, V.

1984 Laténské sídliště u Břešťan, Okr. Teplice. *Archeologické Rozhledy*. vol. 36: 261-78

1991 Keltské výrobní a distrucní centrum v Lovosicích. *Litoměřicko*. vol. 26: 31-48

1993 Production and Exchange during the La Tène period in Bohemia. *Journal of European Archaeology*. vol. 2

1995 The Density of Archaeological Finds in Settlement Features of the La Tène Period. pp. 264-76 in Kuna, M. and Venclová, N. 1995 (eds.) *Whither Archaeology?* Prague: Archeologický Ústav

Salaš, M.

1985 Metalurgická výroba na výšinném sídlišti z doby bronzové u Blučiny. *Acta Musei Moraviae*. vol. 70: 37-56

1987a Zachráněný archeologický výzkum na sídlišti z doby bronzové v Brně-Slatine. *Acta Musei Moraviae*. vol. 72: 53-73

1987b Zur Frage der jungbronzezeitlichen Höhensiedlungen in Südmähren. pp. 277-86 in Hrala, J. and Plesl, E. (eds.) *Die Urnenfelderkulturen Mitteleuropas*. Prague: Archeologický Ústav

1990a Die Ünéticer Vorratsgrube mit menschlichen Skelettresten auf Cezavy bei Blučina. *Památky Archeologické*. vol. 81: 275-307

1990b To the Problem of Human Skeletal Remains from the Late Bronze Age in Cezavy near Blučina. *Anthropologie*. vol. 28: 221-9

1990c K západním vlivům v kultuře střednodanajských popelnicových polí na Moravě. *Acta Musei Moraviae*. vol. 75: 39-52

1991a Hortfunde der älteren Urnenfelderzeit in Mähren. pp. 97-105 in *World Archaeological Congress*. Bratislava: World Archaeological Congress

1991b Topografická a normální identifikace bronzových depotů Žárovice-Hamry na Prostějovsku. *Acta Musei Moraviae*. vol. 76: 61-8

1992 *Bronzové depoty starších popelnicových polí na Moravě*. (unpublished doctoral thesis, Brno: Masaryková Univerzita)

Šaldová, V.

1960 Beitrag zur Frage der Besiedlung Südwestböhmens in der frühen Bronzezeit. *Památky Archeologické*. vol. 51: 527-38

1981 *Westböhmen in der späten Bronzezeit* Prague: Archeologický Ústav

Schauer, P.

1990 Schutz- und Angriffswaffen bronzezeitlicher Krieger im Spiegel ausgewählter Grab-Funde Mitteleuropas. pp. 381-410 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zur Geschichte und Kultur der mitteleuropäischen Bronzezeit*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie

Schiffer, M.

1976 *Behavioural Archaeology*. London: Academic Press

Schmidt, R.R.

1946 *Die Burg Vučedol*. Zagreb: Croatian Archaeological State Museum

Schreiber, R.

1973 *Die Glockenbecherkultur in Budapest*. Budapest: Torteneti Muzeum

Schwellnus, W.

1987 *Braunkohlenarchäologie und Siedlungsgeschichte im Rheinland*. pp. 169-83 in Černá, E. (ed.) *Archäologische Rettungsstätigkeit in den Braunkohlegebieten und die Problematik der siedlungsgeschichtlichen Forschung*. Most: Archaeological Expositura

Scuderi, L. A.

1993 A 2000-Year Tree Ring Record of Annual Temperatures in the Sierra Nevada Mountains. *Science*. vol. 259: 1433-6

Šebela, L.

1981a Ein Forschungsüberblick zur mährischen Schnurkeramik. *Jahresschrift für mitteldeutsche Vorgeschichte*. vol. 64: 171-88

1981b Die mährische Schnurkeramik und die Frühbronzezeit. *Slovenská Archeológia*. vol. 29: 181-9

1990 Hrob kultury se šňůrovou keramikou z Hulína. pp. 90-7 in Nekuda, V. (ed.) *Pravěké a Slovanské Osídlení Moravy*. Brno: Archeologický Ústav

1991 Archeologie a Parazitologie. *Študijné Zvesti Archeologického Ústavu S.A.V.* vol. 27: 4 pp.

n.d. The Corded Ware People in Moravia and Adjacent Regions of Upper Silesia. (unpublished manuscript)

Šebela, L., Dvořák, P. and Langová, J.

1990 Burial Rite in the Late Eneolithic of Moravia. *Anthropologie*. vol. 28: 129-35

Sedláčková, H.

1991 La Tène period sunken-floored houses at Křinec, district of Nymburk. pp. 228-32 in Váreka, P. (ed.) *Archaeology in Bohemia 1986-1990*. Prague: Archeologický Ústav

Selby, M.J.

1985 *Earth's Changing Surface*. Oxford: Clarendon Press

Service, E.R.

1962 *Primitive Social Organization*. New York: Random House

1975 *Origins of the State and Civilization*. New York: Norton

Shchukin, M.

1989a Rome and the Barbarians in Central and Eastern Europe 1st Century B.C.-1st Century A.D. Vol. 1. Oxford: British Archaeological Reports

1989b Rome and the Barbarians in Central and Eastern Europe 1st Century B.C.-1st Century A.D. Vol. 2. Oxford: British Archaeological Reports

1995 The Celts in Eastern Europe. *Oxford Journal of Archaeology*. vol. 14: 201-28

Shennan, S.J.

1978 Archaeological cultures: an empirical investigation. pp. 113-39 in Hodder, I. (ed.) *The Spatial Organisation of Culture*. London: Duckworth

1986 Central Europe in the Third Millennium B.C.: An Evolutionary Trajectory for the Beginning of the European Bronze Age. *Journal of Anthropological Archaeology*. vol. 5: 115-46

1993 Settlement and Social Change in Central Europe, 3500-1500 BC. *Journal of World Prehistory*. vol. 7

Sherratt, A.G.

1981 Plough and Pastoralism: aspects of the secondary products revolution. in Hodder, I. (ed.) *Pattern of the Past: Studies in Memory of David Clarke*. Cambridge: Cambridge University Press

1983 Early Agrarian Settlement in the Körös Region of the Great Hungarian Plain. *Acta Archaeologica Academiae Scientiarum Hungaricae*. vol. 35: 155-69

1986 Wool, Wheels and Ploughmarks: Local Developments or Outside Introductions in Neolithic Europe?. *Bulletin of the Institute of Archaeology*. vol. 22: 1-15

n.d. The Emergence of Elites: earlier Bronze Age Europe 2500-1300 B.C. (unpublished manuscript)

Sielmann, B.

1976 Der Einfluß der geographischen Umwelt auf die linien- und stichbandkeramische Besiedlung des Mittelelbe-Saale Gebietes. *Jahresschrift für mitteldeutsche Vorgeschichte*. vol. 60: 305-31

- Siemen, P.
1992 Social Structure of the Elbe-Saale Corded Ware Culture. pp. 229-40 in Buchvaldek, M. and Strahm, C. (eds.) Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik. Prague: Charles University
- Sikmundová, E. and Chochol, J.
n.d. Osteologický materiál z eneolitické a únětické opevněné ve Vraném. (unpublished report in the archive of the Archaeological Institute, Prague)
- Simon, K.
1982 Zum urnenfelder- und hallstattzeitlichen Burgenbau in Thüringen. pp. 355-62 in Chropovský, B. and Herrmann, J. (eds.) Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
1984 Höhensiedlungen der Urnenfelder- und Hallstattzeit in Thüringen. Alt-Thüringen. vol. 16: 23-80
- Simons, A.
1987 Bronze- und eisenzeitliche Siedlungsmuster im Rheinischen Braunkohlengebiet. pp. 185-200 in Cerná, E. (ed.) Archäologische Rettungsstätigkeit in den Braunkohlgebieten und die Problematik der siedlungsgeschichtlichen Forschung. Most: Archaeological Expositura
- Sims, P.L. and Singh, J.S.
1978 The Structure and Function of Ten North American Grasslands. Journal of Ecology. vol. 66: 983-1009
- Sinha, S.
1978 Co-existence of Multiple Scales and Networks of a Civilization: India. pp. 122-32 in Barth, F. (ed.) Scale and Social Organization. Oslo: Universitetsforl.
- Sklenář, K. and Matoušek, V.
1994 Die Höhlenbesiedlung des Böhmischen Karstes Prague: National Museum
- Slabina, M.
1987 Ein Beitrag zur Štítary-Stufe: Das Urnengrab mit Eisenmesser bei Plaňany. pp. 241-4 in Hrala, J. and Plesl, E. (eds.) Die Urnenfelderkulturen Mitteleuropas. Prague: Archeologický Ústav
- Slaughter, C.
1984 Social Evolution: some sociological aspects. pp. 41-68 in Bintliff, J. (ed.) European Social Evolution. Bradford: Bradford University Press
- Smejtek, L.
1987 Die Struktur der Besiedlung des mittleren Moldautales in der Urnenfelderzeit. pp. 203-8 in Hrala, J. and Plesl, E. (eds.) Die Urnenfelderkulturen Mitteleuropas. Prague: Archeologický Ústav
- Šmíd, M.
1990 Příspěvek k poznání eneolitických mohylových pohřebišť na střední Moravě. pp. 67-82 in Nekuda, V. (ed.) Pravěk a Slovanské Osídlení Moravy. Brno: Archeologický Ústav
1992 Nástin periodizace kultury s nálevkovitými poháry na Moravě. Pravěk (Nová Řada). vol. 2: 131-57
n.d. Rmíz near Láskov, an Old Eneolithic Fort. (unpublished manuscript)
- Smolníková, L. and Ložek, V.
1973 Der Bodenkomples von Velký Hůbenov als Beispiel einer retrograden Bodenentwicklung im Laufe der Nacheiszeit. Časopis pro mineralogii a geologii. vol. 18: 365-77
- Smrž, Z.
1987 Vývoj a struktura osídlení v mikroregionu Lužického potoka na Kadaňsku. Archeologické Rozhledy. vol. 39: 601-21
1991a Výšinné lokality mladší doby kamené az raného středěku v severozápadních Čechách. Archeologické Rozhledy vol. 43: 63-89
1991b Siedlungsgeschichte Studien in der Mikroregion des Baches Lužický potok im Kadaň-Gebiet. Veröffentlichungen aus dem Museum für Ur- und Frühgeschichte, Potsdam. vol. 25: 65-72
1992 Späthallstattzeitliche Burgwälle und Höhensiedlungen in Nordwestböhmen. Památky Archeologické. vol. 83: 88-104
1994 Vývoj osídlení v mikroregionu Lužického potoka na Kadaňsku (severozápadní Čechy)-Část I. Archeologické Rozhledy: vol. 46: 345-93

Smrř, Z. (cont.)

1995 Höhenlokalitäten der Knovízker Kultur in Nordwest-Böhmen. *Památky Archeologické*. vol. 86: 38-80

1996 Das frühlatenénézeitliche Gehöft bei Drouřkovice, Kr. Chomutov, NW-Böhmen. *Památky Archeologické*. vol. 87: 54-94

Smrř, Z. and Mlady, F.

1979 Výšinné sídliště knovízské kultury na Vrchu Spířak u Mikulovic. *Archeologické Rozhledy*. vol. 31: 37-54

Šneiderová, K.

1955 Laténská osada u Tuchlovic na Novostrásecku. *Památky Archeologické*. vol. 46: 185-206

Soják, M.

2000 Neolitské osídlenie Spiša. *Slovenská Archeológia*. vol. 48: 185-314

Sonntag, C.

1980 Palaeoclimatic evidence in apparent C14 ages of Saharian groundwaters. *Radiocarbon*. vol. 22: 811-8

Soudský, B.

1962 The Neolithic Site of Bylany. *Antiquity*. vol. 36: 190-200

Soudský, B. and Pavlů, I.

1972 The Linear Pottery Culture Settlement Patterns of Central Europe. pp. 317-28 in Ucko, P.J., Tringham, R. and Dimbleby, G.W. (eds.) *Man, Settlement and Urbanism*. London: Duckworth

Spruytte, E.

1983 *Early Harness Systems*. London: J.A. Allen

Spurný, V.

1954 Die Besiedlung von Hradisko bei Kroměříř in der mittleren Bronzezeit. *Památky Archeologické*. vol. 45: 357-82

1961 Neue Forschungen über die Anfänge der Lausitzer Kultur in Mähren. pp. 125-57 in Točik, A. (ed.) *Kommission für das Äneolithikum und die ältere Bronzezeit*. Nitra: Archeologický Ústav

1972 Sídliště starší a střední doby bronzové v Bezměrově u Kroměříže. *Památky Archeologické*. vol. 63: 180-248

Staňa, Ā.

1986 Výšinné ůnětické sídliště na Zelené Hoře u Vyškova na Moravě. *Archeologické Rozhledy*. vol. 38: 46-61

1988 Opevněné sídliště ze starší a z počátků střední doby bronzové v Přerově na Moravě. *Slovenská Archeológia* vol. 36: 309-28

n.d. *Hradisko Zelená Hora*. (unpublished field notes in the archive of the Archaeological Institute. Brno)

Starkel, L.

1966 The Moulding of European Relief. pp. 15-33 in Sawyer, J.P. (ed.) *Proceedings of the International Symposium on World Climate from 8000 to 0 BC*. London: Royal Meteorological Society

1984 The reflection of hydrologic changes in the fluvial environment of the Temperate zone during the last 15,000 years. pp. 135-46 in Mörner, N.-A. and Karlen, W. (eds.) *Climatic Changes on a Yearly to Millennial Basis*.

Dordrecht: D. Reidel

1987a The Evolution of European Rivers-A Complex Response. pp. 333-9 in Gregory, K.J., Lewin, J. and Thames, J.B. (eds.) *Palaeohydrology in Practice*. New York: John Wiley and Sons

1987b Long-term and Short-term Rhythmicity in Terrestrial Landforms and Deposits. pp. 323-32 in Rampino, M. R. (ed.) *Climate History, Periodicity and Predictability*. New York: Van Nostrand Reinhold

1988 Tectonic, anthropogenic and climatic factors in the history of the Vistula river valley down stream of Cracow. pp. 161-70 in Lang, G. and Schluchter, C. (eds.) *Lake, Mire and River Environments*. Rotterdam: A.A. Balkema

1991 Fluvial Environments as a source of information on climatic changes and human impact in Europe. pp. 241-54 in Frenzel, B. (ed.) *Evaluation of climate proxy data in relation to the European Holocene*. Stuttgart: Gustav Fischer

1996 Feedback mechanisms between the environmental system and the behaviour of prehistoric man. pp. 25-38 in Frenzel, B. (ed.) *Evaluation of land surfaces cleared from forests in Early Neolithic times and the time of migrating Germanic tribes*. Stuttgart: Gustav Fischer

2003 *Palaeohydrology of Central Europe*. pp. 77-104 in Gregory, K.J. and Benito, G. (eds.) *Palaeohydrology, understanding global change*. Chichester: John Wiley and Sons

- Starling, N.J.
1983 Neolithic Settlement Patterns of Central Germany. *Oxford Journal of Archaeology*. vol. 2: 1-12
- Steensberg, A.
1991 Hafting of a stone axe-adze and its use in the fire clearance of Papua New Guinea. *Tools and Tillage*. vol. 6: 232-48
- Stegmann-Rajtár, S.
1992 Grabfunde der älteren Hallstattzeit aus Südmähren. Košice: Archeologický Ústav (v Nitře)
1993 Mitteldonauländische Hallstattkultur und Lausitzer Kulturkreis-Einige Bemerkungen zu Entwicklung gegenseitiger Beziehungen in Mähren. *Bericht der Römisch-Germanische Kommission*. vol. 74: 444-59
- Stepniak, T.P.
1986 Quantitative Aspects of Bronze Age Metalwork in Western Poland. *Oxford: British Archaeological Reports*
- Steward, J.
1955 *Theory of Culture Change*. Urbana, Illinois: University of Illinois Press
- Stloukal, M.
1981 Anthropologische Funde aus der Býčí Skála Höhle. *Anthropologie*. vol. 19: 111-4
1990 Věteřovské antropologické nalezy. pp. 158-64 in Nekuda, V. (ed.) *Pravěké a Slovanské Osídlení Moravy*. Brno: Archeologický Ústav
- Štrob, A.
1992 Eneolitické osídlení Hradiska u Svitávky (okres Blansko). *Pravěk (Nová Řada)*. vol. 2: 159-81
- Stuchlík, S.
1981 Osídlení jeskyní ve starší a střední době bronzové na Moravě. Prague: Archeologický Ústav
1982 Höhensiedlungen der Úněticer Kultur in Mähren. pp. 141 ff. in *Frühbronzezeitliche befestigte Siedlungen in Mitteleuropa*. Kraków: Jagiellonian University
1987 Únětické pohřebiště v Musově. Brno: Archeologický Ústav
1990a Die bisherigen Ergebnisse der Erforschung des Hügelgräberfeldes in Borotice. *Archeologické Rozhledy*. vol. 42: 159-69
1990b Die sekundären Eingriffe in den Gräbern der Únětice Kultur. *Anthropologie*. vol. 28: 159-63
1992a Pohřebiště únětické kultury z Pavlova, okr. Břeclav. *Pravěk (Nová Řada)*. vol. 2: 237-53
1992b Die Věteřov-Gruppe und die Entstehung der Hügelgräberkultur in Mähren. *Prähistorische Zeitschrift*. vol. 67: 15-42
- Stuchlíková, J.
1982 Zur Problematik der Burgwälle der älteren Bronzezeit in Mähren. pp. 389-99 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
1990a Výzkum fortifikace na sídlišti v Budkovicích. *Archeologické Rozhledy*. vol. 42: 225-6
1990b Otázky pohřebního ritu moravské věteřovské skupiny. pp. 146-57 in Nekuda, V. (ed.) *Pravěké a Slovanské Osídlení Moravy*. Brno: Archeologický Ústav
- Studeníková, E. and Paulík, J.
1983 Osada z doby bronzové v Pobedime. Bratislava: Slovak National Museum
- Stuiver, M. and Braziunas, T.F.
1989 Atmospheric ¹⁴C and century scale solar oscillations. *Nature*. vol. 338: 405-8
- Stuiver, M., Braziunas, T.F., Becker, B. and Kromer, B.
1991 Climatic, Solar, Oceanic and Geomagnetic Influences on Late Glacial and Holocene Atmospheric C14/C12 Change. *Quaternary Research*. vol. 35: 1-24
- Stuiver, M., and Pearson, G.W.
1993 High-precision bidecadal calibration of the radiocarbon time scale AD 2950-500 BC. *Radiocarbon*. vol. 35: 7-24
- Stocker, T.F.
1994 The variable ocean. *Nature*. vol. 367: 221-2.

Sulimirski, T.

1970 *The Sarmatians*. London: Thames and Hudson

Suter, J.

1982 Zur klimatische Interpretation der Gletschergeschichte. *Physische Geographie*. vol. 1: 37-48

Svobodová, H.

1986 Pylová analýza mezolitické vrstvy z Hermánek I. *Archeologické Rozhledy*. vol. 38: 288-90

1989 Rekonstrukce přírodního prostředí a osídlení v okolí Mistřína: palynologická studie. *Památky Archeologické*. vol. 80: 188-206

Tarábek, K.

1971 *Soil Geography*. pp. 131-46 in Demek, J. (ed.) *Geography of Czechoslovakia*. Prague: Geological Institute

Tauber, H.

1965 Differential Pollen Dispersion and the Interpretation of Pollen Diagrams. *Dänmarks Geologiske Undersøgelse*. II Raekke. Copenhagen: National Museum

Tejral, J.

1967 K otázce importu bronzových nádob na Moravě ve starší době římské. *Památky Archeologické*. vol. 58: 81-134

1973 *Mähren in der 5. Jahrhundert*. Brno: Archeologický Ústav

1990a *Archäologische Beitrag zur Erkenntnis der Völkerwanderungszeitlichen Ethnostrukturen nördlich der Mittleren Donau*. pp. 9-87 in *Veröffentlichungen der Kommission für Mittelalterforschung*. Wien: Verlag der österreichischen Akademie der Wissenschaften

1990b K chronologii spon z Langobardských pohřebišť v Podunají. pp. 231-50 in Nekuda, V. (ed.) *Pravěké a Slovanské Osídlení Moravy*. Brno: Archeologický Ústav

1992 Die Probleme der Römisch-germanischen Beziehungen unter Berücksichtigung der neuen Forschungsergebnisse in niederösterreichisch-südmarischen Thayafußgebiet. *Bericht der Römisch-Germanischen Kommission*. vol. 73: 378-468

1994a New Contributions to the Research on Roman Military Disposition North of the Middle Danube. *Eirene*. vol. 30: 123-54

1994b Die archäologischen Zeugnisse der Markomannenkriege in Mähren-Probleme der Chronologie und historischen Interpretation. pp. 299-324 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen*. Brno: Archeologický Ústav

1995 Zur Frage der frühesten elbgermanischen Machtzentren nördlich der mittleren Donau am Beispiel des römischen Importes. pp. 225-47 in Tejral, J., Pieta, K. and Rajtár, J. (eds.) *Kelten, Germanen, Römer im Mitteldonaugebiet vom Ausklang der LaTène-Zivilisation bis zum 2. Jahrhundert*. Brno-Nitra: Archeologický Ústav

Telegin, D.

1992 Zum Ursprung der Schnurverzierung. pp. 333-40 in Buchvaldek, M. and Strahm, C. (eds.) *Die kontinentaleuropäischen Gruppen der Kultur mit Schnurkeramik*. Prague: Charles University

Tempír, Z.

1963 Nejstarší doklady o pěstování konopi v Evropě. pp. 73-80 in *Len a Konopi*. Šumperk-Teménice: Moravian Museum
n.d. *Kulturpflanzen und Unkrauter aus der Füllungen der Objekte, Bestimmung und eine Art von landwirtschaftlicher Produktion*. (unpublished manuscript on Radovesice plant macro-sub-fossils)

Teplice Museum

n.d. (unpublished Radovesice field notes in the archive of the Teplice Regional Museum)

Thornes, J.B.

1987 *The Palaeo-ecology of Erosion*. pp. 37-55 in Wagstaff, J.M. (ed.) *Landscape and Culture, Geographical and Archaeological Perspectives*. Oxford: Basil Blackwell

Thorpe, P.M.

1980 Hydrological implications from C14 profiling of UK tufa. *Radiocarbon*. vol. 2: 897-908

Tichý, R.

1962 Osídlení s volutavou keramikou na Moravě. *Památky Archeologické*. vol. 53: 245-301

Tihelka, K.

1960 *Moravský věteřovský typ*. *Památky Archeologické*. vol. 51: 27-130

Tihelka, K. (cont.)

- 1961 Význačný hrob velatické kultury na Cezavách a Blučiny. *Památky Archeologické*. vol. 52: 201-8
- 1962 Moravský věteřovský typ, II Část. *Studijné Zvesti Archeologického Ústavu S.A.V.* vol. 8: 7-173
- 1965 Hort- und Einzelfunde der Úněticer Kultur und des Věteřover Typus in Mähren. Brno: Archeologický Ústav
- 1969 Velatice Culture Burials at Blučina. Prague: National Museum

Točík, A.

- 1961a Keramika zdobená brázděným vpichom na juhzápadnom Slovensku. *Památky Archeologické*. vol. 52
- 1961b Stratigraphie auf der befestigten Ansiedlung in Malé Kosihy, bez. Štúrovo. pp. 17-42 in Točík, A. (ed.) *Kommission für das Äneolithikum und die ältere Bronzezeit*. Nitra: Archeologický Ústav
- 1963 Die Nitra-Gruppe. *Archeologické Rozhledy*. vol. 15: 716-774
- 1981 Nitriansky Hrádok-Zámeček, eine befestigte Ansiedlung der Madarovce Kultur. Nitra: Archeologický Ústav
- 1982 Beitrag zur Problematik befestigter Siedlungen in der Südwestslowakei während der älteren und zu Beginn der mittleren Bronzezeit. pp. 405-16 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zum bronzezeitlichen Burgenbau in Mitteleuropa*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie
- 1983 Predbežná správa o výskume hradného kopca v Nitre v Rokoch 1930-31. pp. 244-7 in *Archeologické Výzkumy a Nálezy na Slovensku v Roce 1982*. Nitra: Archeologický Ústav

Torbrügge, W.

- 1990 Die mittlere Bronzezeit in Bayern. pp. 495-514 in Chropovský, B. and Herrmann, J. (eds.) *Beiträge zur Geschichte und Kultur der Mitteleuropäischen Bronzezeit*. Nitra-Berlin: Archeologický Ústav-Zentralinstitut für alte Geschichte und Archäologie

Tran, P. and Broekhuizen, S.

- 1965 *Agro-Climatic Atlas of Europe*. Amsterdam: Elsevier

Tranquillini, W.

- 1993 Climate and physiology of trees in the Alpine timberline regions. pp. 127-36 in Frenzel, B. (ed.) *Oscillations of the Alpine and Polar Tree Limits in the Holocene*. Stuttgart: Gustav Fischer

Traverse, A.

- 1988 *Paleopalynology*. Winchester, Massachusetts: Unwin Hyman

Trewartha, G.T.

- 1968 *An Introduction to Climate*. New York: McGraw-Hill

Tringham, R.

- 1968 A preliminary study of the Early Neolithic and Latest Mesolithic blade industries in southeastern and eastern Europe. pp.45-70 in Coles, J.M. and Simpson, D.D.A. (eds.) *Studies in Ancient Europe*. Leicester: Leicester University Press
- 1971 *Hunters, Fishers and Farmers of Eastern Europe 6000-3000 B.C.* London: Hutchinson and Conwy
- 1972 The Function, Technology, and Typology of the Chipped Stone Industry at Bylany, Czechoslovakia. *Alba Regia*. vol. 12: 143-8
- 2000 Southeastern Europe in the transition to agriculture in Europe: bridge, buffer, or mosaic. pp. 19-56 in Price, T.D. (ed.) *Europe's First Farmers*. Cambridge: Cambridge University Press

Tříška, J.

- 1975 *The Hamlyn Encyclopedia of Plants*. London: Hamlyn

Trigger, B.G.

- 1972 Determinants of Urban Growth in Pre-Industrial Societies. pp. 575-600 in Ucko, P.J., Tringham, R. and Dimbleby, G.W. (eds.) *Man, Settlement and Urbanism*. London: Duckworth

Troels-Smith, J.

- 1955 Characterization of Unconsolidated Sediments. *Dänmarks Geologiske Undersøgelse*. IV Raekke. Copenhagen: National Museum
- 1960 Ivy, Mistletoe and Elm: Climate Indicators-Fodder Plants. *Dänmarks Geologiske Undersøgelse*. IV Raekke. Copenhagen: National Museum

- Trnáčková, Z.
 1954 Objekty středodunajské mohylové kultury v Přítlukách. *Archeologické Rozhledy*. vol. 6: 746-51
 1960 Zarové pohřebiště z pozdní doby římské v Šaraticích. *Památky Archeologické*. vol. 51: 561-609
- Turková, D. and Kuna, M.
 1987 Zu Mikrostruktur der bronzezeitlichen Siedlungen. pp. 217-29 in Hrala, J. and Plesl, E. (eds.) *Die Urnenfelderkulturen Mitteleuropas*. Prague: Archeologický Ústav
- Turner, J.
 1986 Principle components analyses of pollen data with special reference to anthropogenic indicators. pp. 221-232 in Behre, K. E. (ed.) *Anthropogenic Indicators in Pollen Diagrams*. Rotterdam: A.A. Balkema
- Turrill, W.B.
 1929 *The Plant-Life of the Balkan Peninsula*. Oxford: Clarendon Press
- UNESCO
 1981 *Soil Map of the World*. Vol. 5 (Europe). Paris: UNESCO
- Ústřední Ústav Geologický
 1967 *Regional Geology of Czechoslovakia* Prague, Ústřední Úřad Geologický
- Valoch, K.
 1978 *Die endpaläolithische Siedlung in Smolín*. Prague: National Museum
- v. de Velde, P.
 1979 The Social Anthropology of a Neolithic Cemetery in the Netherlands. *Current Anthropology*. vol. 20: 37-58
- Vayda, A.P.
 1961 Expansion and Warfare among Swidden Agriculturalists. *American Anthropologist*. vol. 63: 346-68
- Vencl, S.
 1960 *Kamenné nástroje prvních zemědělců ve Střední Evropě*. Prague: National Museum
 1984 War and Warfare in Archaeology. *Journal of Anthropological Archaeology*. vol. 3: 116-32
 1989 *Zachráněný výzkum v Praze 9-Dolních Počernicích*. *Archeologické Rozhledy*. vol. 44: 29-65
 1994 K problémům sídlišť kultur s keramikou šňůrovou" *Archeologické Rozhledy*. vol. 46: 3-24
- Venclová, N.
 1973 Otázky etnické příslušnosti podmokelské a kobylské skupiny. *Archeologické Rozhledy*. vol. 25: 626-46
 1989 Mšecké Žehrovice, Bohemia: excavations 1979-1988. *Antiquity*. vol. 63: 157-61
 1991 A Celtic enclosure and temple at Mšecké Žehrovice. pp. 110-4 in Vařeka, P. (ed.) *Archaeology in Bohemia 1986-1990*. Prague: Archeologický Ústav
 1995 Settlement Area, Production Area and Industrial Zone. pp. 161-9 in Kuna, M. and Venclová, N. 1995 (eds.) *Whither Archaeology?*. Prague: Archeologický Ústav
- Vincent, J.
 1979 On the Sexual Division of Labour, Population, and the Origins of Agriculture. *Current Anthropology*. vol. 20: 422-4
- Vogel, J.S., Cornell, W., Nelson, D.E., and Southon, J.R.
 1990 Vesuvius/Avellino, one possible source of seventeenth century BC climatic disturbances. *Nature*. vol. 344: 534-6
- Vokolek, V.
 1993 Eneolitický objekt v Plotištích nad Labem. *Pojízerský Sborník (Okresní Muzeum Českého Raje)*. vol. 1: 7-15
- Vokolek, V. and Zápotocký, M.
 1990 Východní Čechy ve středním eneolitu (otázka zásahu bošacké skupiny). *Památky Archeologické*. vol. 81: 28-58
- de Vries, J.
 1960 *Kelten und Germanen*. Bern: Francke

Wagner, K.

1992 Studien über die Siedlungsproceß im Mittelbe-Saale-Gebiet während der Jung- und Spätbronzezeit. *Jahresschrift für mitteleuropäische Vorgeschichte*. vol. 75: 137-254

Waldhauser, J.

1976 Turnovský typ kultury lidu popelnicových polí. Teplice: Teplice Museum

1977 Keltské opevněné sídliště, kultovní objekt a pohřebiště u Želenic (okr. Most) a nález keramického importu na keltském sídlišti ve Všechlapech (okr. Teplice). Teplice: Teplice museum

1981 Strategie der Gemeinsam und anthropologischen Forschung der Latènezeit in Böhmen. *Anthropologie*. vol. 19

1984a Mobilität und Stabilität der keltischen Besiedlung in Böhmen. pp. 1617-86 in *Studien zu Siedlungsfragen der Latènezeit*. Marburg: Veröffentlichung des vorgeschichtlichen Seminars

1984b Struktur und Ökologie der keltischen Besiedlung während der Stufen HaD-LtD in Böhmen. pp. 267-78 in *Hallstatt Kolloquium Veszprém*. Budapest: Archaeological Institute of the University of Budapest

1987a Sozial Schichtung innerhalb der späthallstatt- und frühlatènezeitlichen Siedlung Radovesice 23 in Böhmen. *Archäologisches Korrespondenzblatt*. vol. 17: 205-12

1987b Zum Stand der Auswertung der späthallstattzeitlichen und keltischen Funde vom Siedlungsareal Horní Lukovský potok (Forschungsprojekt Radovesice) und aus der Region am Mittellauf des Flusses Bílina in Nordwestböhmen. pp. 157-60 in Černá, E. (ed.) *Archäologische Rettungsstätigkeit in den Braunkohlegebieten und die Problematik der siedlungsgeschichtlichen Forschung*. Most: Archaeological Expozitura

1991 Diskussion über die oppidumartige Anlage Uhoší und keltische Besiedlung Nordwestböhmens. *Památky Archeologické*. vol. 82: 385-404

1993 Die Hallstatt- und Latènezeitliche Siedlung mit Graberfeld bei Radovesice in Bohmen. Teplice: Teplice Museum

Wasylikowa, K.

1984 Fossil evidence for ancient food plants in Poland. pp. 257-66 in v. Zeist, W. and Casparie, W.A. *Plants and Ancient Man*. Rotterdam: A.A. Balkema

1986 Plant Macro-fossils Preserved in Prehistoric Settlements Compared with Anthropogenic Indicators. pp. 173-86 in Behre, K.E. (ed.) *Anthropogenic Indicators in Pollen Diagrams*. Rotterdam: A.A. Balkema

Wasylikowa, K., Căciamaru, M., Hajnalová, E., Hartiányi, B.P., Pashkevich, G.A. and Yanushevich, Z.V.

1991 East-Central Europe. pp. 207-40 in v. Zeist, W., Wasylikowa, K., and Behre, K.E. (eds.) 1991 (eds.) *Progress in Old World Palaeoethnobotany*. Rotterdam: A.A. Balkema

Weissner, P.

1983 Style and social Information in Kalahari San Projectile Points. *American Antiquity*. vol. 4: 253-76

1984 .Reconsidering the Behavioural Basis for Style: A Case Study among the Kalahari San. *Journal of Anthropological Archaeology* vol. 3: 190-234

Werner, J.

1961 Bronzes Pferd kopfszepter der Hallstattzeit aus Předměřice bei Hradec Králové. *Památky Archeologické*. vol. 52: 384-9

Wetters, W.

1994 Der Taupo und das Klima um 200 A.D. in Europa. pp. 457-62 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen*. Brno: Archeologický Ústav

Wetzel, G.

1979 *Die Schönfelder Kultur*. Berlin: Akademie Verlag

White, L.

1967 The Historical Roots of Our Ecologic Crisis. *Science*. vol. 155: 18-29

Whittle, A.W.R.

1986 *The Scord of Brouster: An Early Agricultural Settlement on Shetland*. Oxford: Oxford Committee for Archaeology

Whittle, A.W.R., Bartosiewicz, L., Boric, D., Pettitt, P. and Richards, M.

2001 In the beginning: new radiocarbon dates for the Early Neolithic in northern Serbia and south-east Hungary. *Antaeus*. vol. 25: 169-88

- Wijmstra, T.A.
1978 Palaeobotany and climatic change. pp. 25-45 in Gribbin, J. (ed.) Climatic Change. Cambridge: Cambridge University Press
- Wiklak, H.
1990 Notes on the Studies of the Funnel Beaker Settlement, the Sarnowo Phase, at Sarnowo, Kujawia. *Sprawozdania Archeologiczne*. vol. 42: 109-29
- Wilhemy, H.
1950 Das Alter der Schwarzerde und der Steppen Mittel- und Osteuropas. *Erdkunde*. vol. 4: 5-34
- Willerding, U.
1977 Klima-Entwicklung und Vegetationsverhältnisse im Zeitraum Eisenzeit bis Mittelältern. pp. 357-405 in Jankuhn, H., Schültzeicher, R. and Schwind, U.F. (eds.) *Das Dorf der Eisenzeit und des frühen Mittelalters*. Göttingen: Vandenhoeck and Ruprecht
1986 *Zur Geschichte der Unkrauter Mitteleuropas*. Neumunster: Wachholtz
- Willis, K., Sümegi, P., Braun, M. Bennet, K.D. and Tóth, A.
1998 Prehistoric land degradation in Hungary: who, how, when and why?. *Antiquity*. vol. 72: 101-13
- Winger, J.
1993 *Dendrochronologie der Schweiz*. Prague: Charles University
- Wobst, H.M.
1974 Boundary Conditions for Paleolithic Social Systems: A Simulation Approach. *American Antiquity*. vol. 39: 145-76
1976 Locational Relationships in Paleolithic Society. *Journal of Human Evolution*. vol. 5: 49-58
- Wray, C.F.
1991 *Tram and Cameron: Two Early Contact Era Seneca Sites*. Rochester, New York: Rochester Museum
- Wright, J.
1924 *Grammar of the Gothic Language*. Oxford: Clarendon Press
- Yengoyan, A.A.
1968 Demographic and Ecological Influences on Aboriginal Marriage Sections. pp. 185-99 in Lee, R.B. and DeVore, I. (eds.) *Man the Hunter*. Chicago: Aldine
- Zaběhlíčky, H.
1994 Kriegs- oder Klimafolgen in archäologischen Befunden. pp. 463-70 in Tejral, J. and Pieta, K. (eds.) *Markomannenkriege: Ursachen und Wirkungen*. Brno: Archeologický Ústav
- Zápotocký, M.
1956 Baalberská skupina v Čechách. *Archeologické Rozhledy*. vol. 8: 664-98
- Zápotocký, M. and Zápotocká, M.
1991 Kutná Hora-Dänemark, A Hillfort of the Middle Eneolithic Rivnáč Culture in the East Part of Central Bohemia. pp. 87-9 in Vařeka, P. (ed.) *Archaeology in Bohemia 1986-1990*. Prague: Archeologický Ústav
- Žebera, K.
1952 Eneolitické hradiště u Vraného na Slánsku. *Archeologické Rozhledy*. v 4: 26-8
1955 Geologie der vorzeitlichen Siedlung an den Ufern des Režabinec bei Ražice in Südböhmen. *Anthropozoicum*. v 4: 71-86
- v. Zeist, W.
1958 Palynologische Untersuchung eines Torfprofils bei Sittard. *Palaeohistoria*. vol. 6/7: 19-24
- Zeman, J.
1961 *Severní Morava v mladší době Římské*. Prague: Archeologický Ústav

Zielinski, G.A., Mayewski, P.A., Meeker, L.D., Whitlow, S., Twickler, M.S., Morrison, M., Meese, D.A., Gow, A.J. and Alley, R.B.

1994 Record of Volcanism Since 7000 BC from the GISP2 Greenland Ice Core and Implications for the Volcano-Climate System. *Science*. vol. 264: 948-51

Zohary, D. and Hopf, M.

1988 *Domestication of Plants in the Old World*. Oxford: Clarendon Press

Zvelebil, M.

n.d. *Ancient Landscape Reconstruction in Northern Bohemia*. (unpublished manuscript)

Fig. 1. Lužický potok, site distribution in inferred community areas circumscribed by limits of prime farmland (after Smrž 1994). Symbols employed indicate settlements (A), cemeteries (B), bronze hoards (C), quartzite mines (D) and hill-forts (E). Above patterns employed indicate surface and substrate types, including soils on lands of greater than 4 degrees incline (1), wet places and (status indeterminate) places under modern use (2), löss, the favoured soil substrate (3), and non-löss (4). Below patterns employed indicate (marginal) land-use classes (after Kuna and Slabina 1987), including steep lands of greater than 4 degrees incline (1), otherwise suitable arable land greater than 300 m from a drainage (2), under modern use (3), wet places (4) and optimal community areas for prehistoric farmers (5). Note circumscription of most prehistoric sites to land-use Class 5. Smrž's division between community areas A and E is arbitrary.

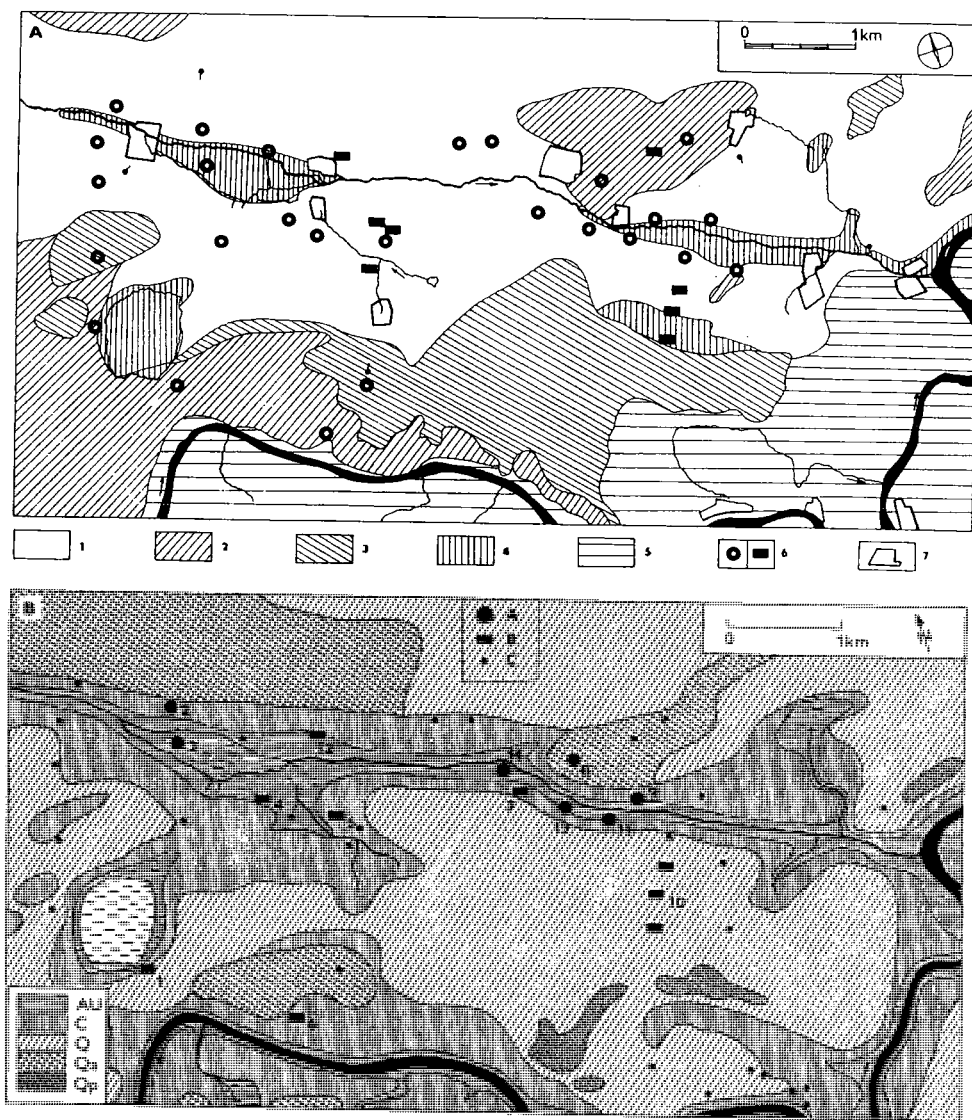


Fig. 2. Lužický potok, distribution of natural woodland communities (after Kyncl 1987 a, b). Communities include alluvial woodland (AU) in valley bottoms, oak-hornbeam woodland (C) largely on northern exposures, sub-xerophile mixed-oak woodland (Q) largely on southern exposures, forest-steppe (Qp) on basaltic outcrops (western basin) and acido-phile oak woodland (Qa) on poorer soils (after Kyncl 1987 a, b). Prehistoric use of the alluvial woodland may reflect proximity of community areas to unit AU, or an expansion of the unit itself as a result of agricultural or natural adaptations to cooler wetter climate. Note that unit AU is favoured periodically during the Late Eneolithic (site 21, Čachovice), the Hallstatt C period (site 9, Vrchnice) and to a lesser extent, during Hallstatt B1 (site 26, Přezetice). Use of acido-phile oak woodland (Qp) may be favoured by extensive land-use which incorporates more marginal soils, or the promotion of degraded woodland through intensive land-use. Prior to the Middle Ages, this unit is exploited only during the Knovíz Urnfield (Late Bronze Age) period (sites 14-5, Prahy and Tušemice).



Fig. 3. Lužický potok, rotation of Knovíz (I-VI) to Štítary (I-III) Urnfield settlement in western part of basin as determined by the specific periodisation of ceramic finds (after Smrž 1987a; b). Settlement site 9 (Vrchnice) is occupied during the Early Knovíz period (I-III). Settlement transfers to site 11 (Přezetice) during the later Knovíz period (IV-VI), partially contemporary with settlement site 13 (Prahly) which is occupied during Knovíz III-V. Settlement then shifts to sites 6 and 8 (Milžany area) during the Knovíz VI-Štítary I interface, contemporary with cemetery site 7 (Milžany). Finally, settlement returns to the Přezetice area (site 12) during the terminal Štítary period (II-III), contemporary with cemetery site 10 (Vrchnice area near initial Knovíz settlement site).

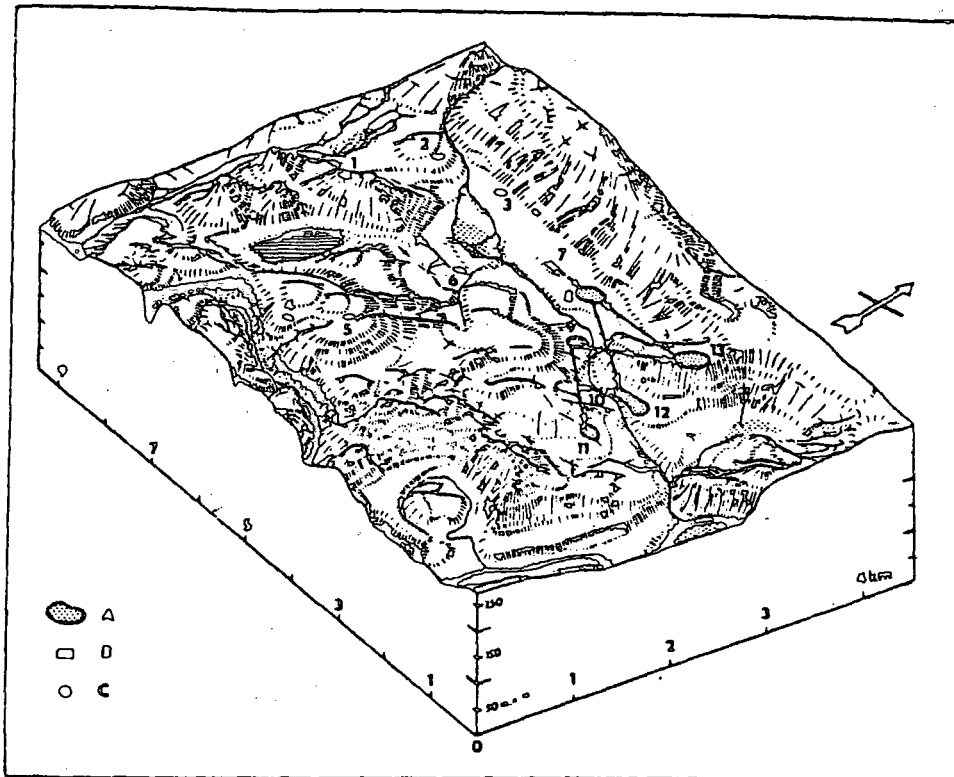


Fig. 4. Lomský potok, settlement of the Middle Bronze Age to La Tène periods (after Beneš 1991). Occupation is indicated by inscribed diagonal lines to date to the Middle Bronze Age (HGK), Late Bronze Age (KK), Hallstatt C-D (HZ), and La Tène periods (LTZ) as reflected in multi-cultural (large squares) and single component (small squares) sites. Note the small volume of Middle Bronze Age settlement, as well as the restriction of finds to multi-cultural sites. The volume of La Tène period settlement is much greater in the Lom basin than at Lužický potok, underlining the potential for inter-basin differences in the expression of the settlement cycle at this spatial scale. Most La Tène settlement in both basins consists of small hamlets or cemeteries. Note then the presence of the large La Tène cemetery (with ca. 130 graves) at Jenišův Újezd within the Lom basin.

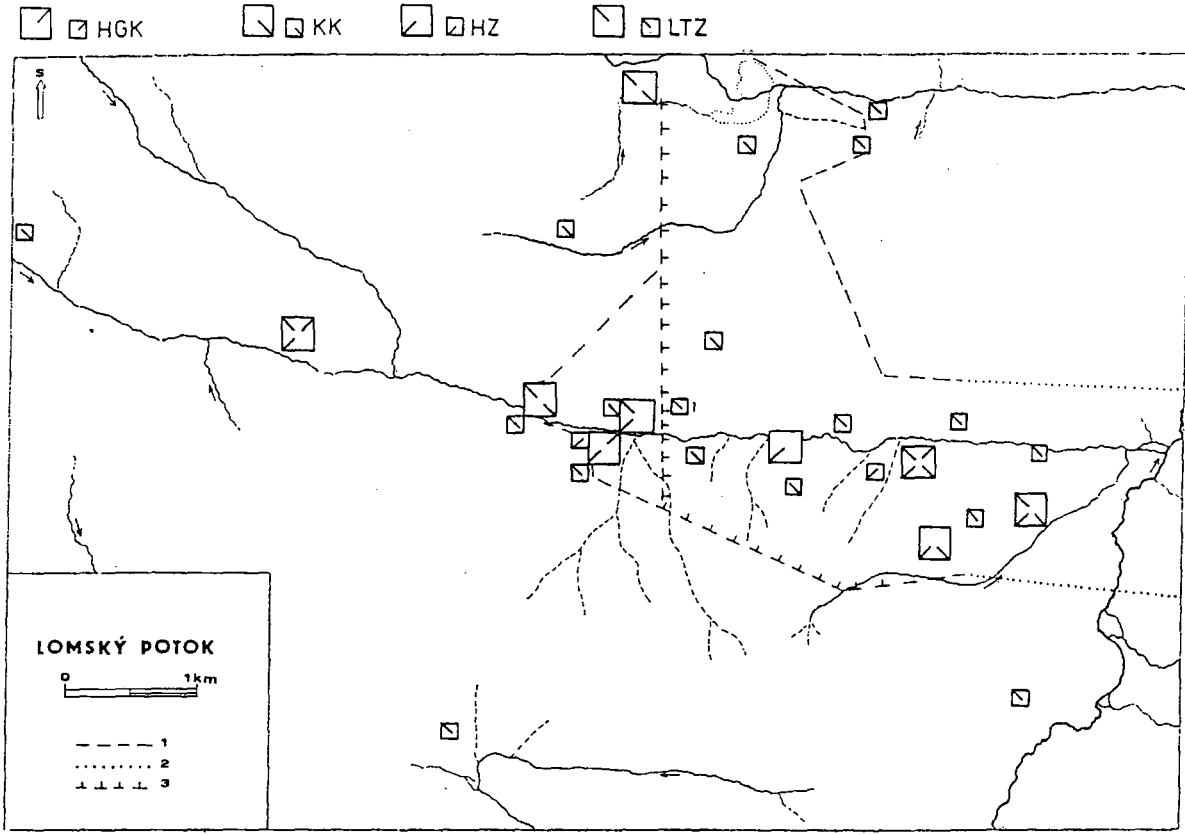


Fig. 5. Únětický potok, Early Bronze Age settlement (adapted from Kuna and Slabina 1987).

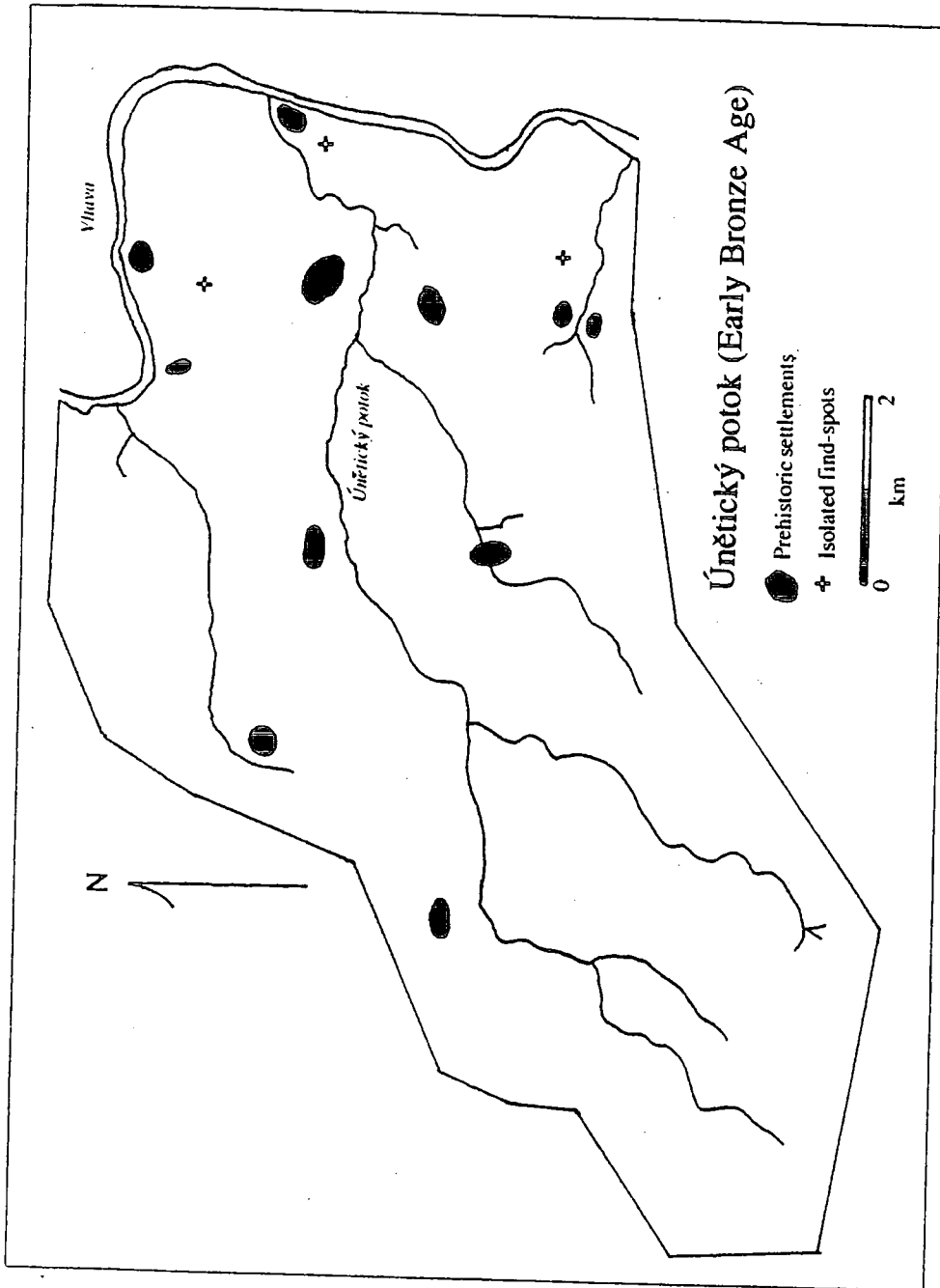


Fig. 6. Únětický potok, Middle Bronze Age settlement (adapted from Kuna and Slabina 1987). Note the small volume of settlement evidence, which highlights the decline in community area occupation noted by Kuna and Slabina at this time.

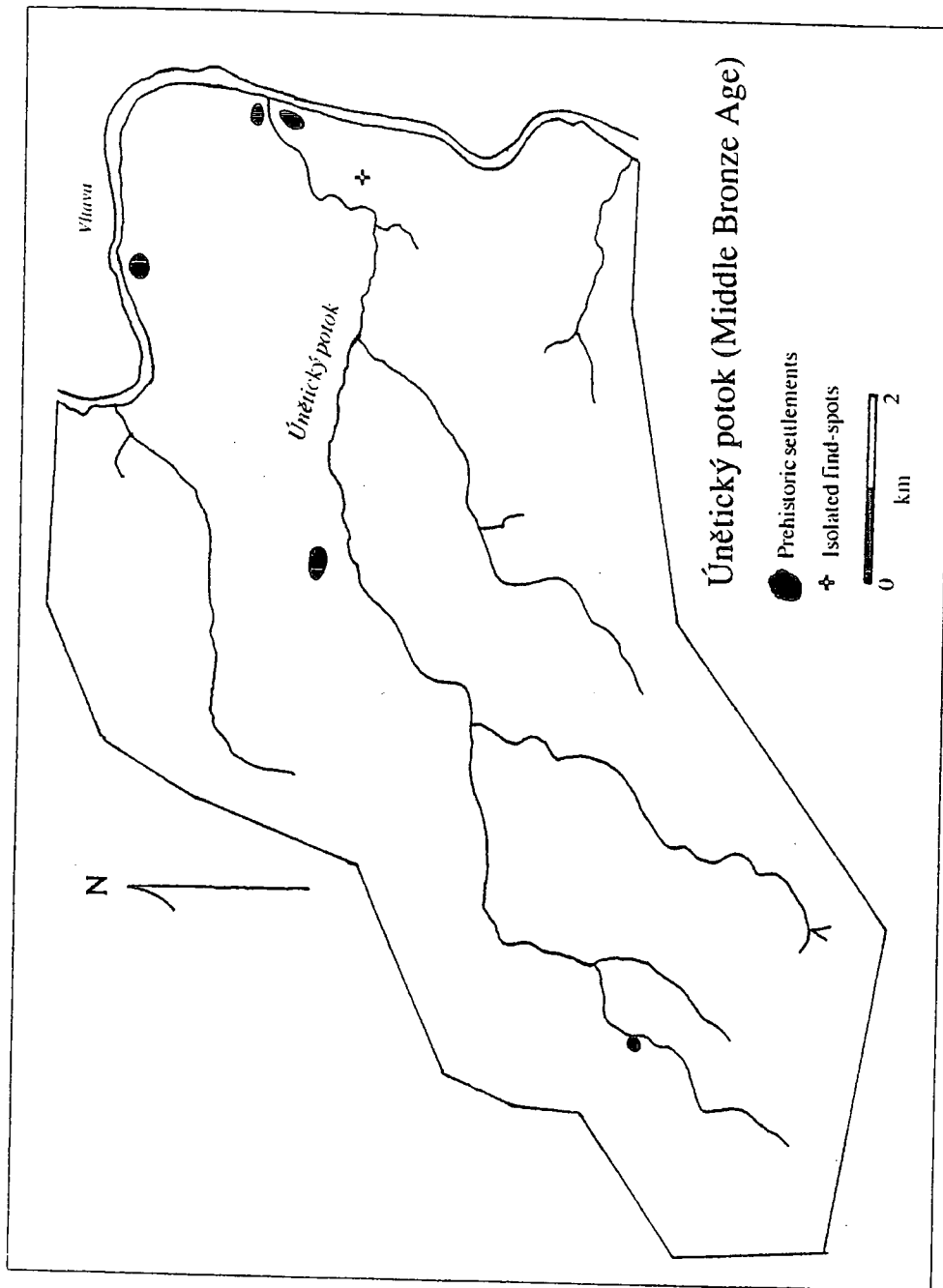


Fig. 7. Únětický potok, Late Bronze Age settlement (adapted from Kuna and Slabina 1987). Note this maximum expression of settlement intensity is accompanied by a maximum spread of community area habitation (cf. Fig. 8 A).

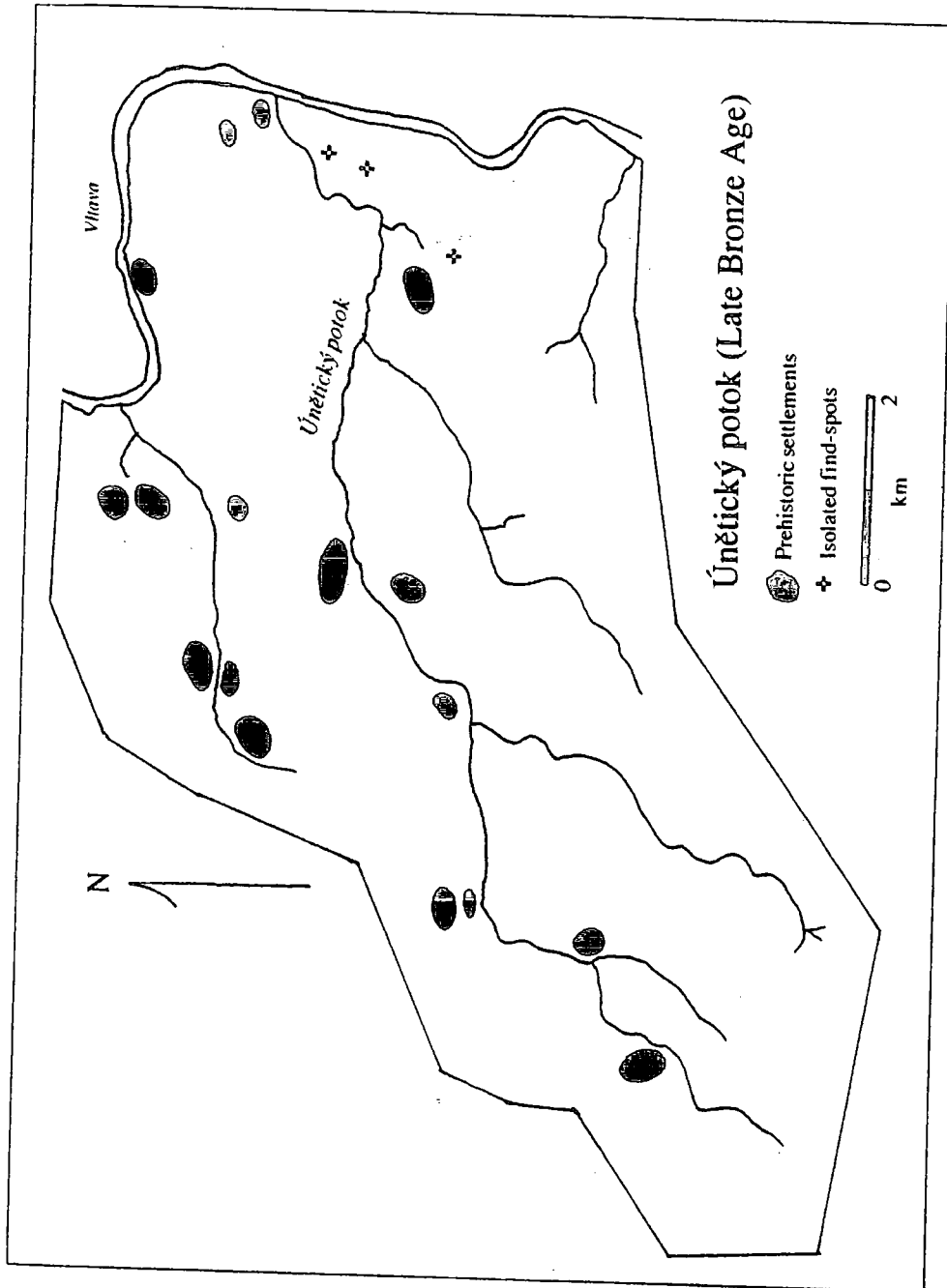


Fig. 8. Vnořský potok, settlement areas of the Late Bronze Age (A), Hallstatt C (B) and Late Hallstatt (C) periods (after Kuna 1991, note that the Late Bronze Age settlement area is mis-captioned in this publication).

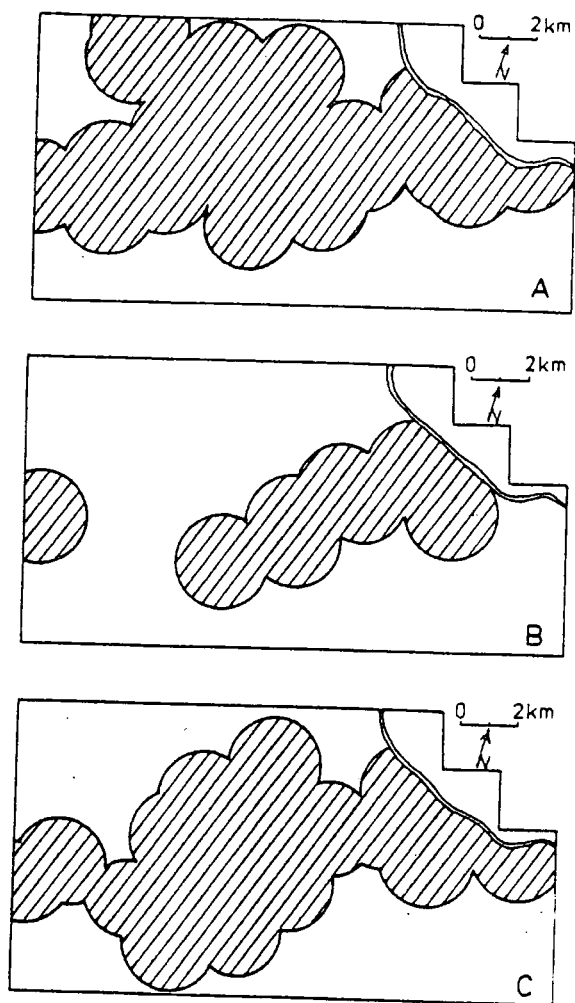


Fig. 9. Vinořský potok, community areas of the Late Hallstatt-Early La Tène periods (above) and Middle to Late La Tène periods (below) as circumscribed by Theissian polygons (after Kuna 1991). Larger circles designate highly concentrated finds (filled circles represent sites bounded by drainages on two sides, but not true hill-forts), while smaller circles represent low concentrations of finds. Note the low concentration of Middle to Late La Tène finds.

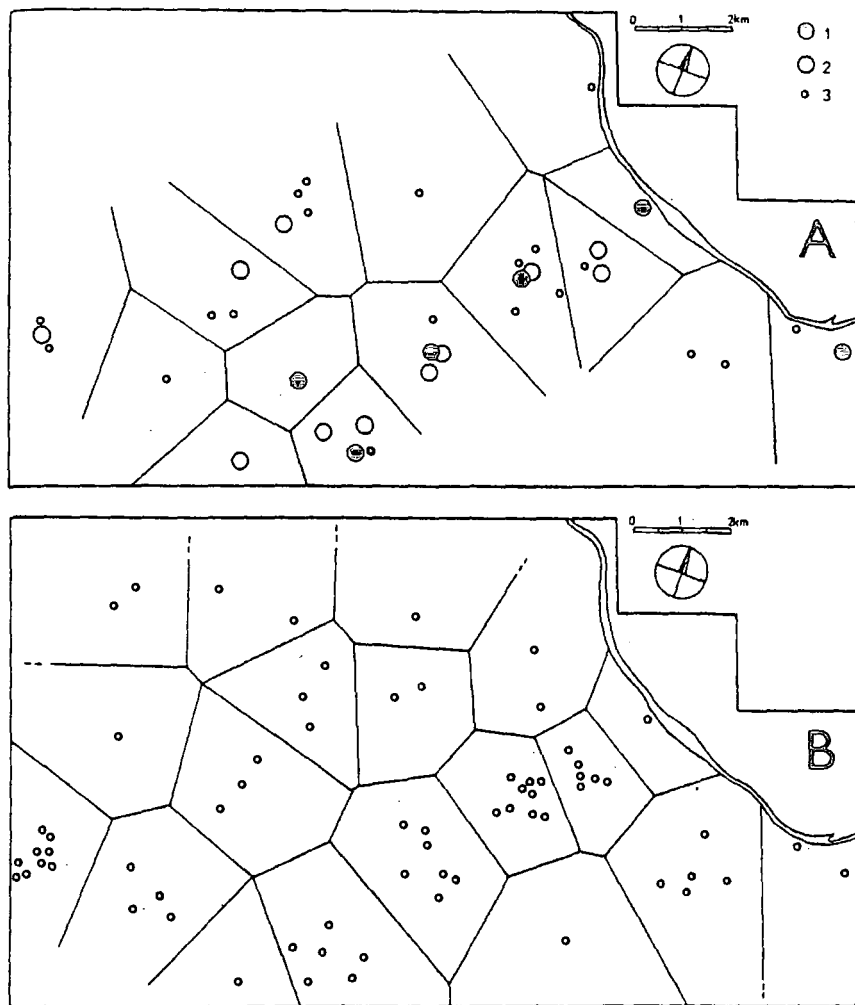


Fig. 10. Vinořský potok, community areas of the Roman period as circumscribed by Theissian polygons (after Kuna 1991). Note the larger community areas defined by central concentrations of finds. Note that earlier prehistoric linkage of community areas to the fluvial dendritic network is reduced.

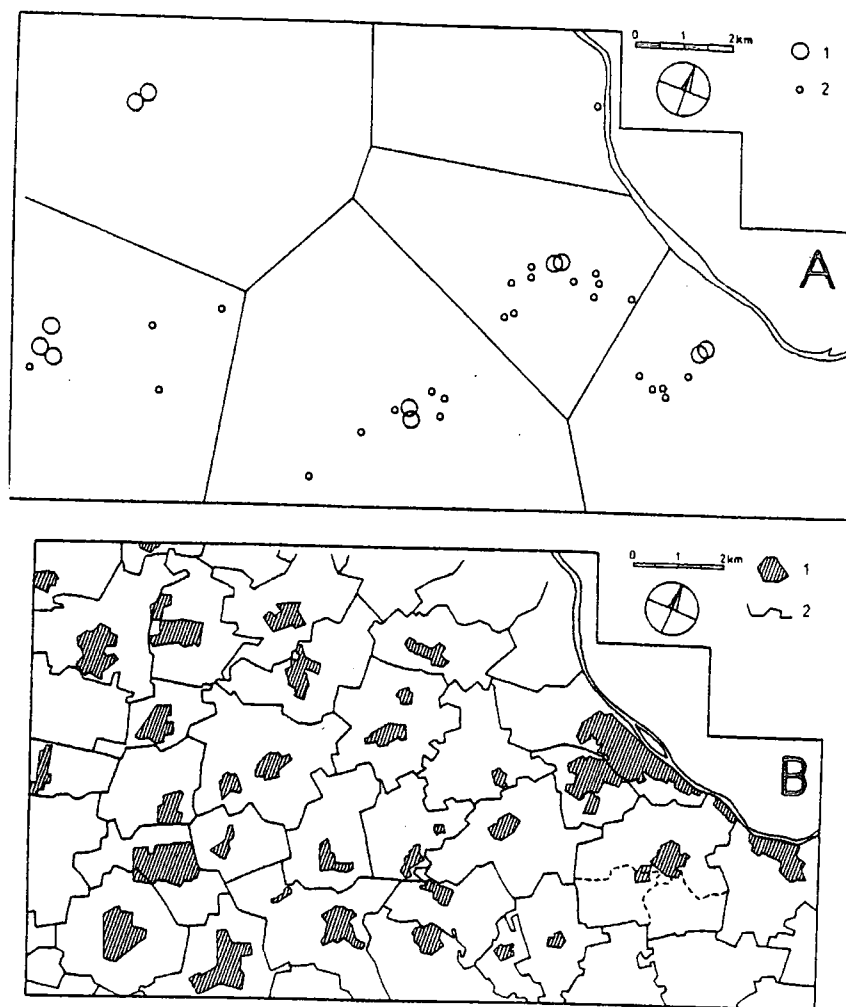


Fig. 11. Cham (encircled stars) and Řivnáč Culture (other symbols) settlement of Bohemia (after Ehrich and Pleslová-Štichová 1968). Note the restriction of the Cham Culture to the Southwest Bohemian uplands. This sub-optimal agro-climatic region is entirely abandoned during the Corded Ware, Bell Beaker (Late Eneolithic) and Earliest Bronze Age periods (cf. Fig. 14). Site no. 164 denotes the micro-regional cluster at Vraný (cf. Fig. 36).

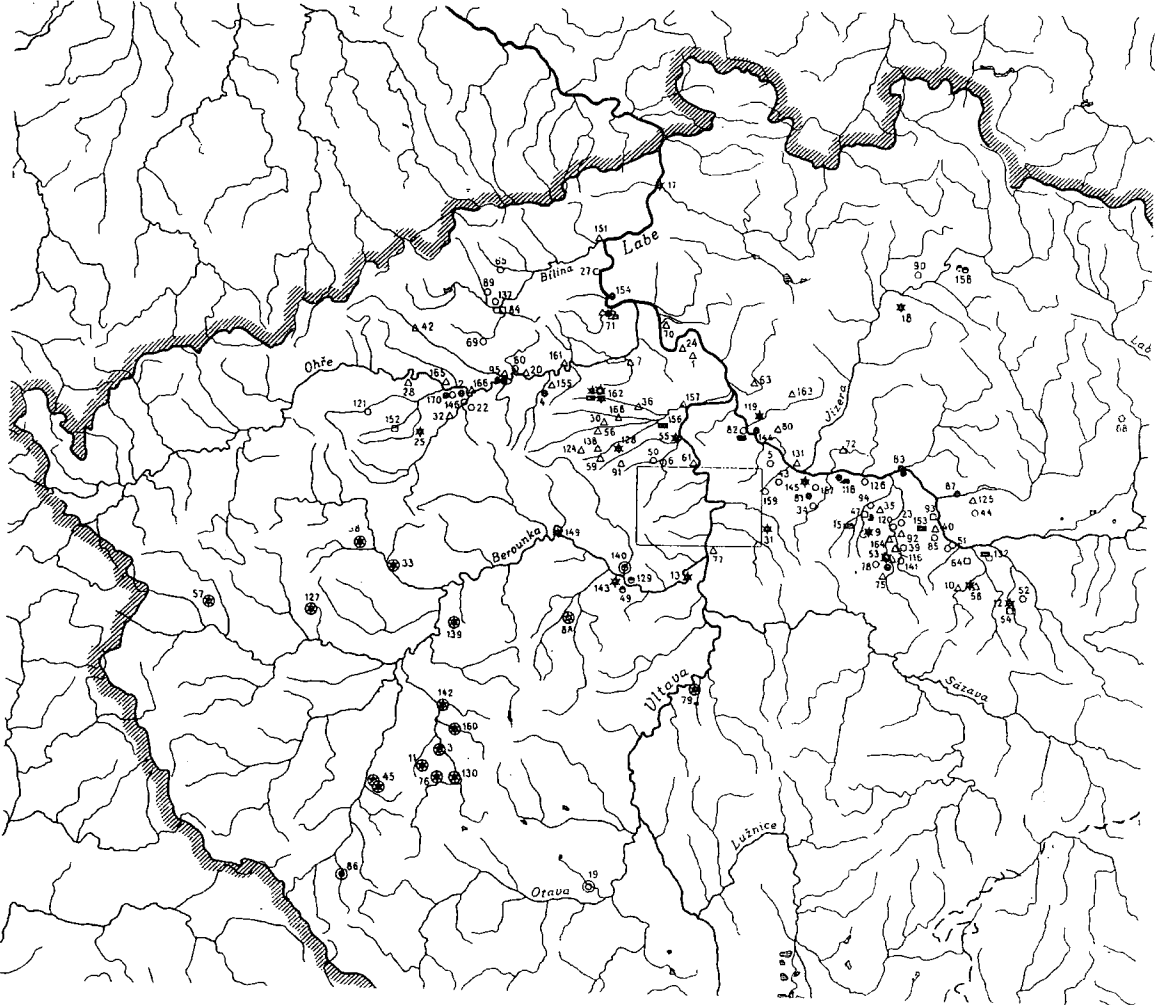


Fig. 12. Řivnáč Culture settlement of Prague region from Kladno to Prague-East (after Ehrich and Pleslová-Štichová 1968). This region of higher archaeological recovery reveals a pronounced concentration of Middle Eneolithic settlement into micro-regional clusters. Not all of sites will be contemporary after the data pattern at Vraný (site no. 164 above, cf. Fig. 38). Site no. 134 denotes the micro-regional cluster at Homolka (Stehelčevy).

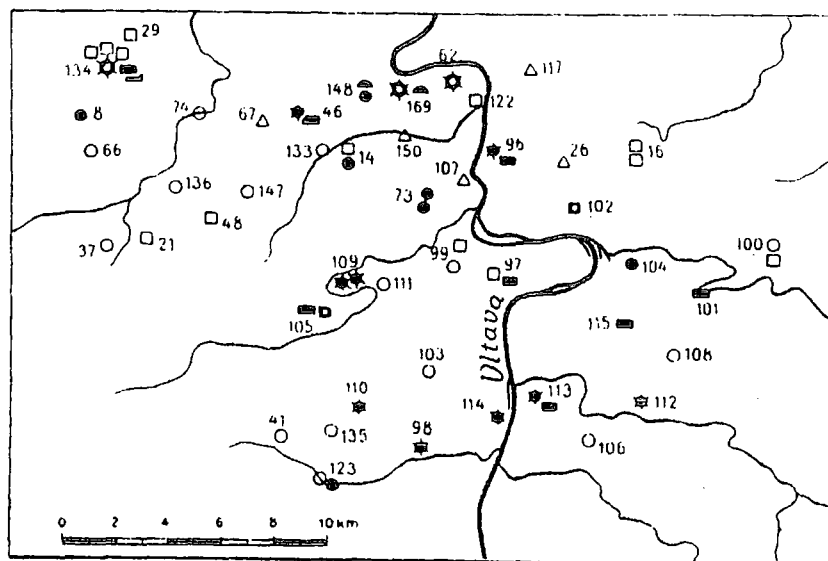


Fig. 13. Late Eneolithic Corded Ware Culture, finds of (earlier) Group II faceted hammer-axes (above) vs. finds of (later) Group III hammer-axes of the Bohemian type (after Buchvaldek 1986b). Note the relative concentration of Group II finds in Northwest Bohemia, away from centre of Řivnáč cultural distribution, and the more pan-Bohemian distribution of Group III finds.

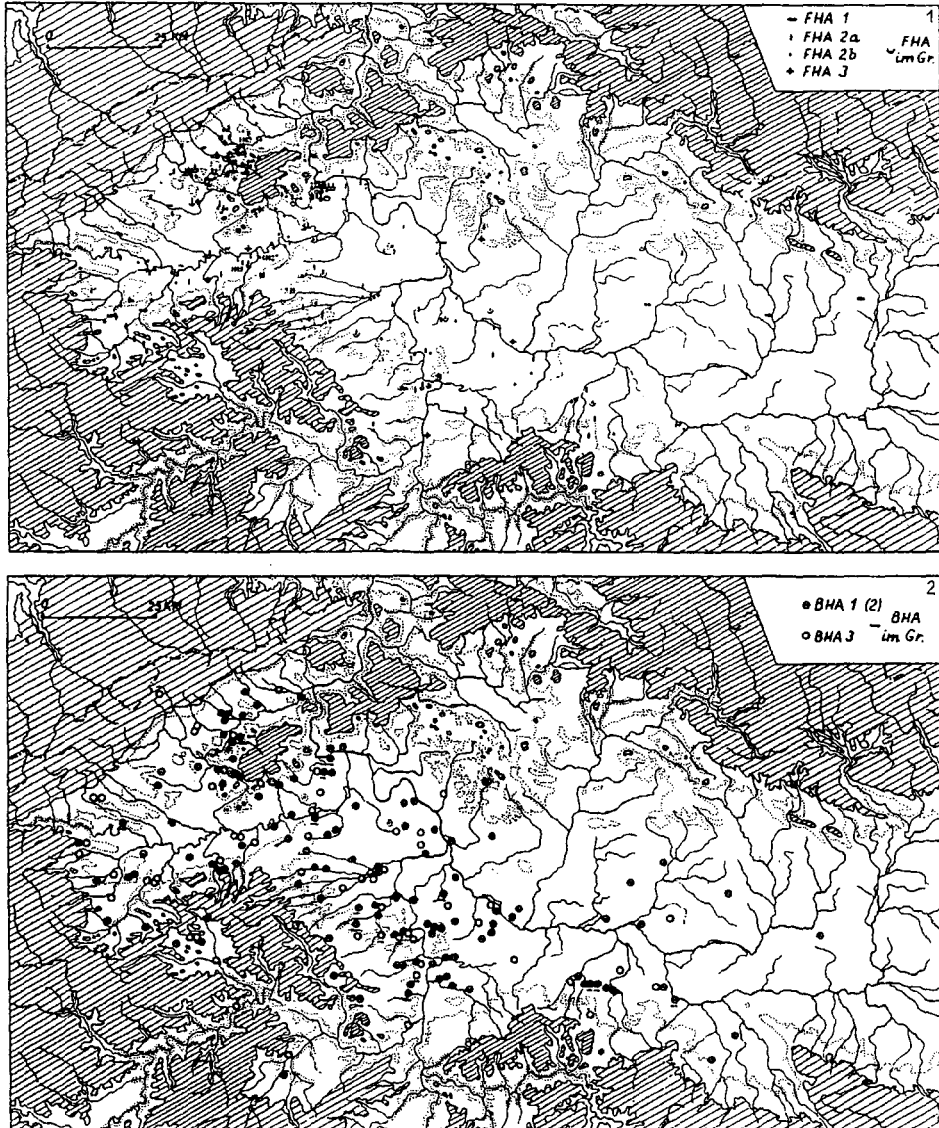


Fig. 14. Bödensee, composite diagram of tree-ring dates from 82 lakeshore settlements (after Rösch 1988). Note secular periodicity of the Early Eneolithic oscillations. A pronounced Middle Eneolithic peak in dendrodates reflects an emphatic periodic low in the lake level. A long duration of wet conditions between the Corded Ware and Early Bronze Age is broken by a moderate peak coeval with the Classical Early Bronze Age in the Czech and Slovak Republics (Late Únětice and Věteřov-Mad'arovec Cultures). Relatively cool and wet conditions reappear with the Middle Bronze Age, contemporaneous with the Loebben neo-glaciation in the Swiss and Austrian Alps. A final peak, reflecting dry conditions, appears during the Urnfield Bronze Age. Lakeshore settlements on the Bodensee are then abandoned at the beginning of Hallstatt C (after 838 BC).

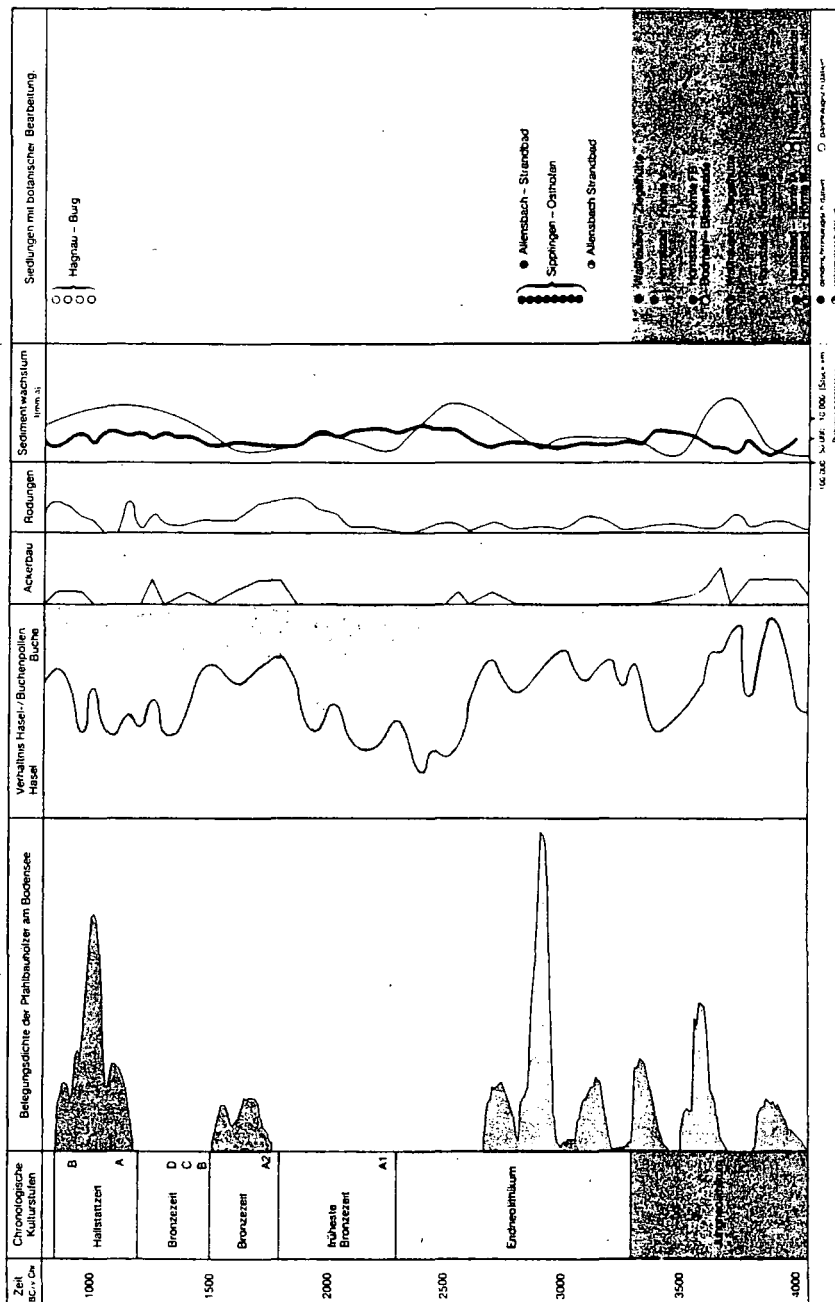


Fig. 15. Swiss lakes, composite diagram of tree-ring dates from Late Bronze Age lakeshore settlements (after Bouzek 1990). The sequence is less compressed than that presented from Bodensee, and clearly illustrates a decline in dendro-dates of the Hallstatt B1 period (cf. Fig. 2, site 26, Prezetice), indicative of a wetter interval during the long Urnfield period. Note that Figs. 14-15 are based on a compilation of several thousand dendro-dates.

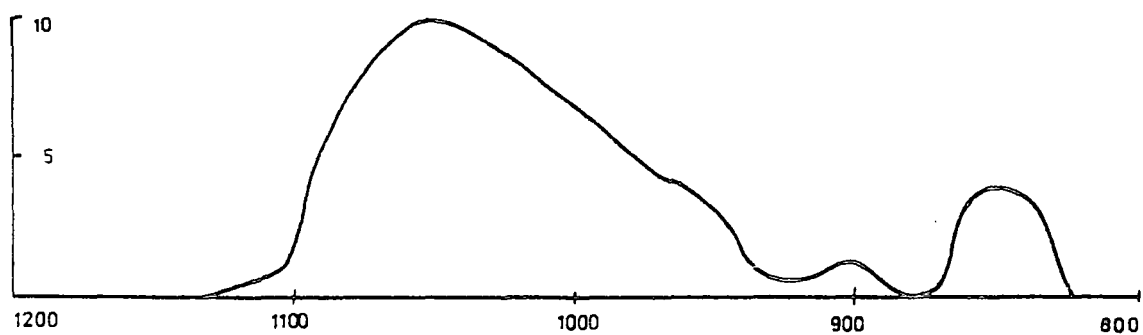


Fig 16. Moisture-dependent organic sedimentation curves from the Zbudovská blata marshes and Řežabinec fishpond (after Rybníček 1989). Note the increased rate of sedimentation beginning in Firbas Zone IX (First Millennium BC).

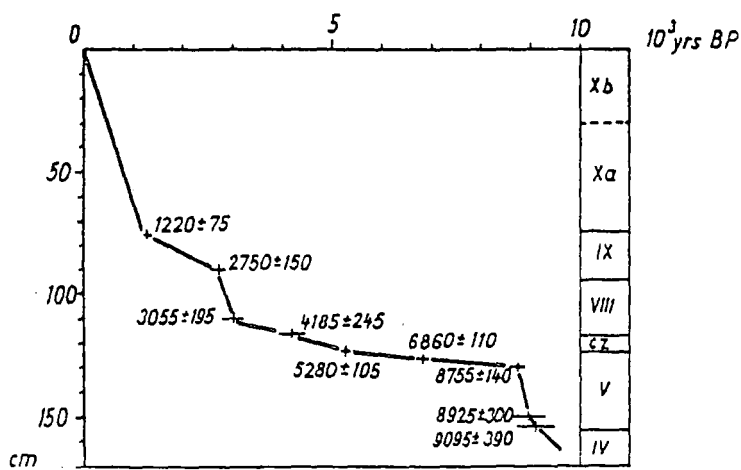
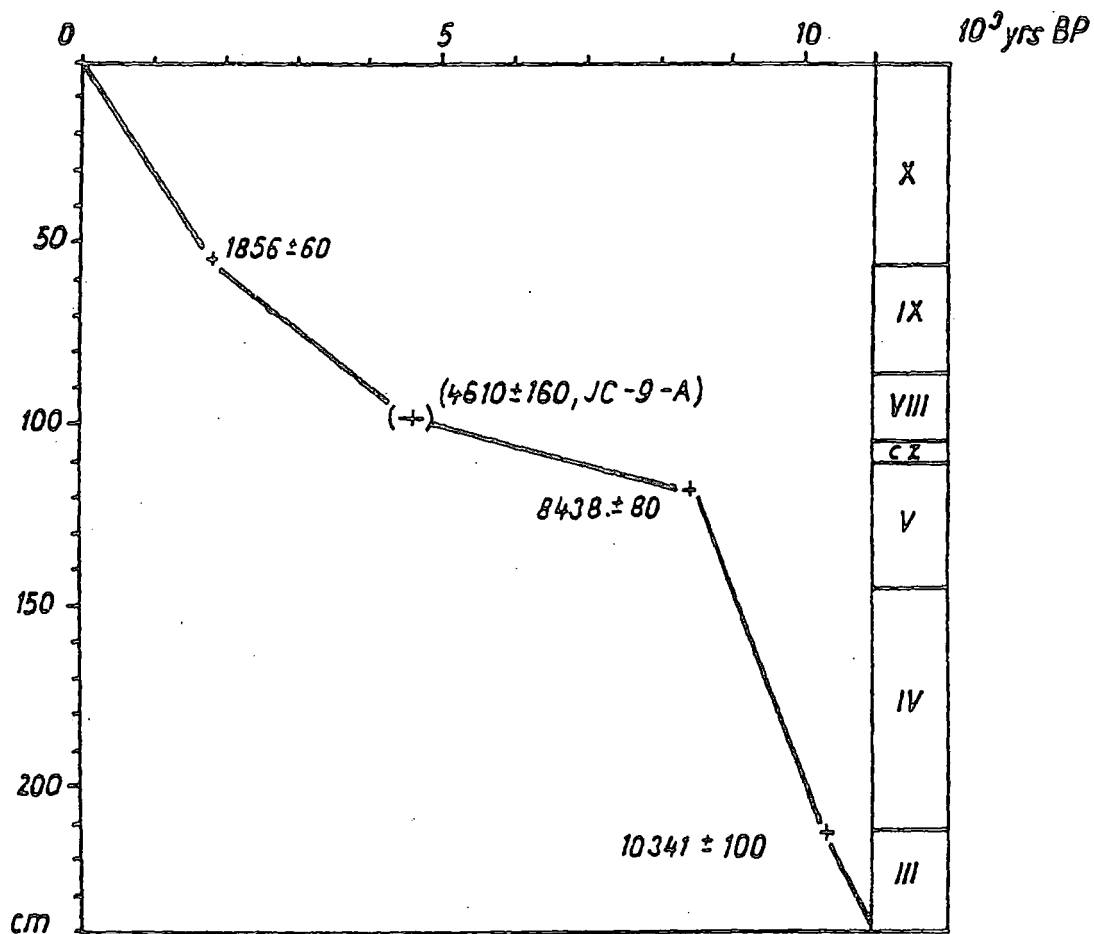


Fig. 17. Palaeo-environmental sites and select micro-regions in Bohemia.

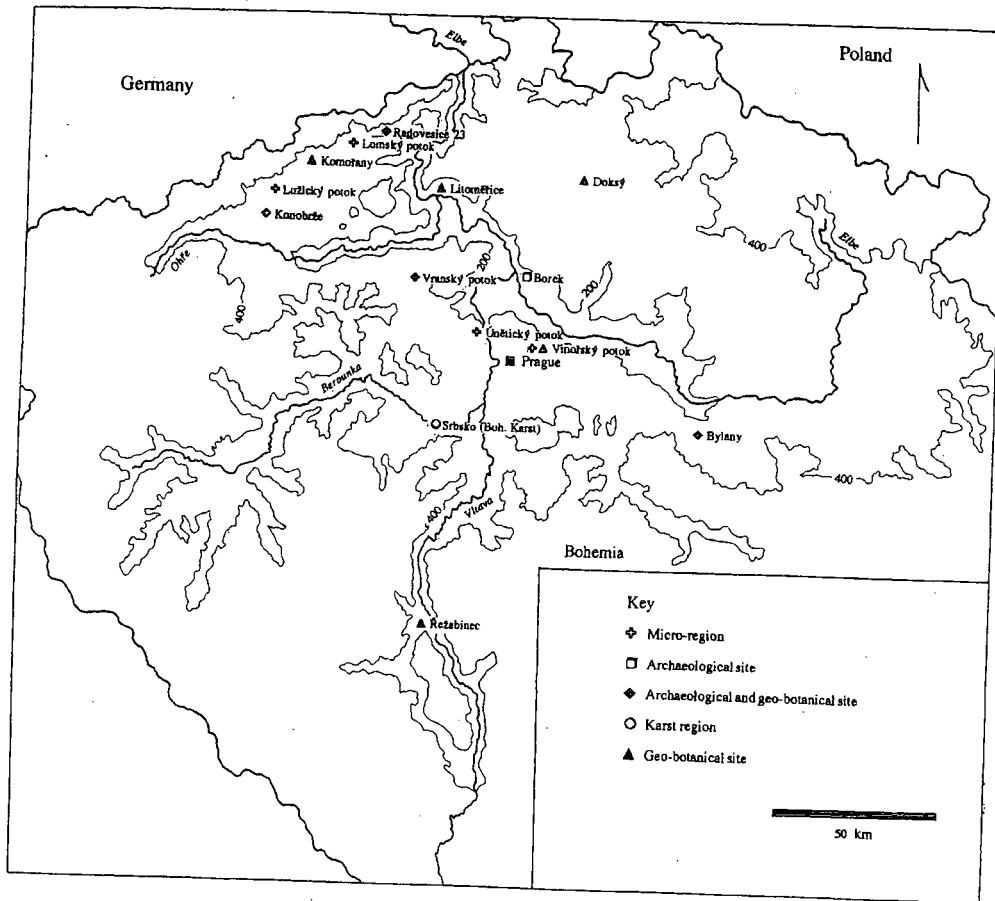


Fig. 18. Palaeo-environmental sites in Moravia and Slovakia.

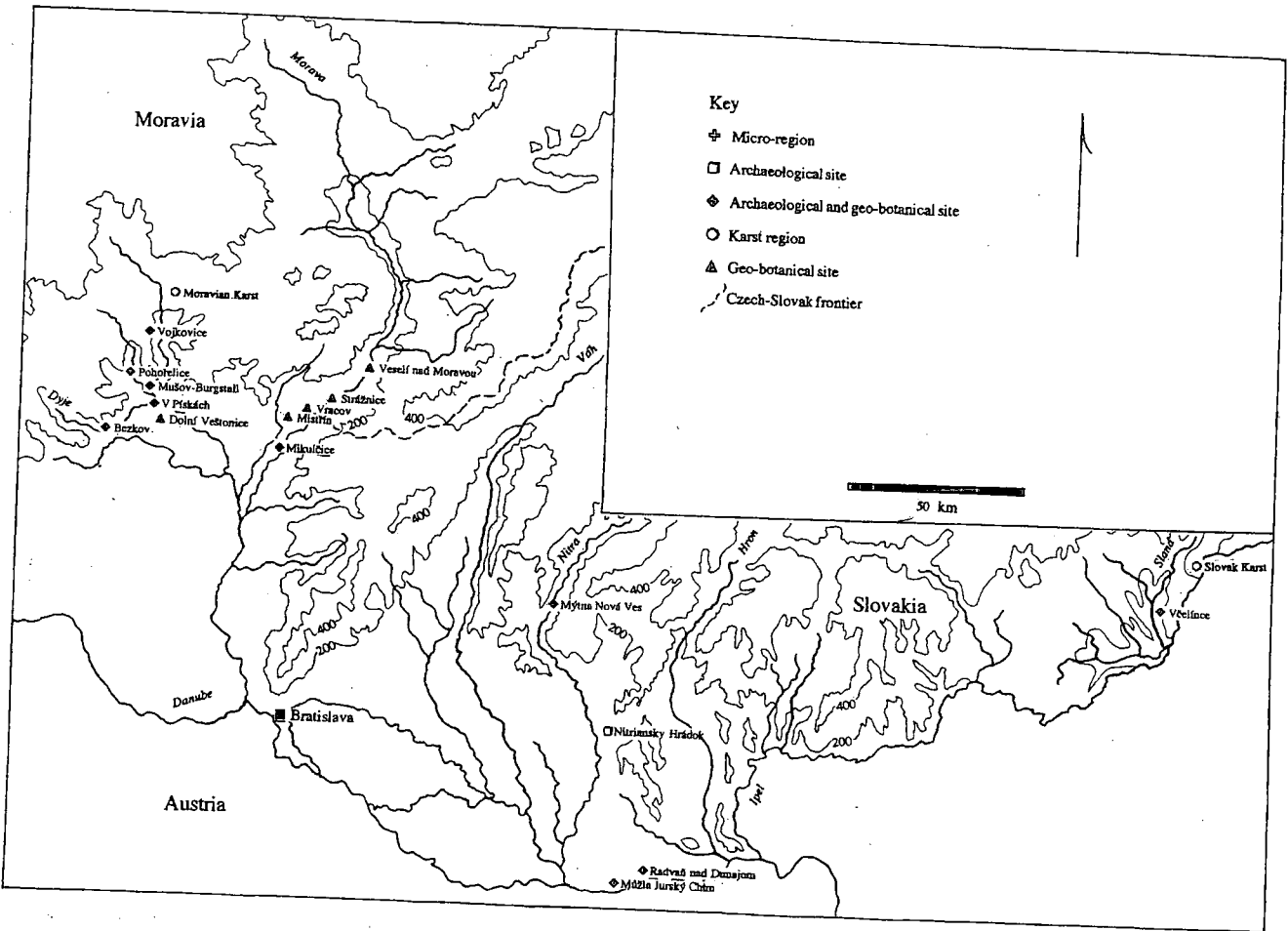


Fig. 19. Pollen diagram from Komořany Pk-1d, Northwest Bohemia (after Jankovská 1988a). Note the hiatus beginning in the Late Bronze Age and the poverty of syn-anthropogenic pollen until the Middle Ages.

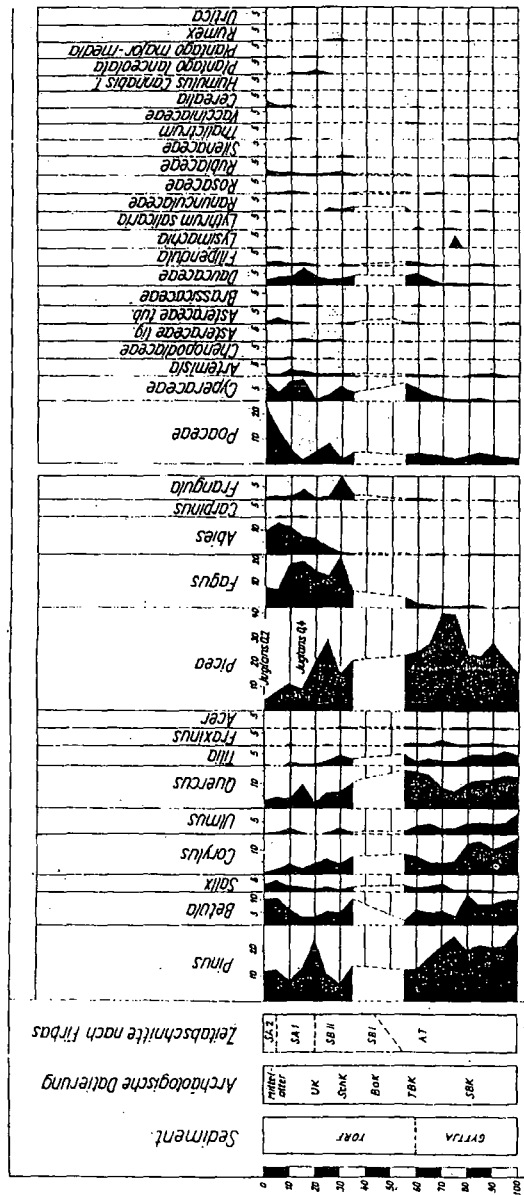


Fig. 21. Komořany lake, location of geo-botanical site.

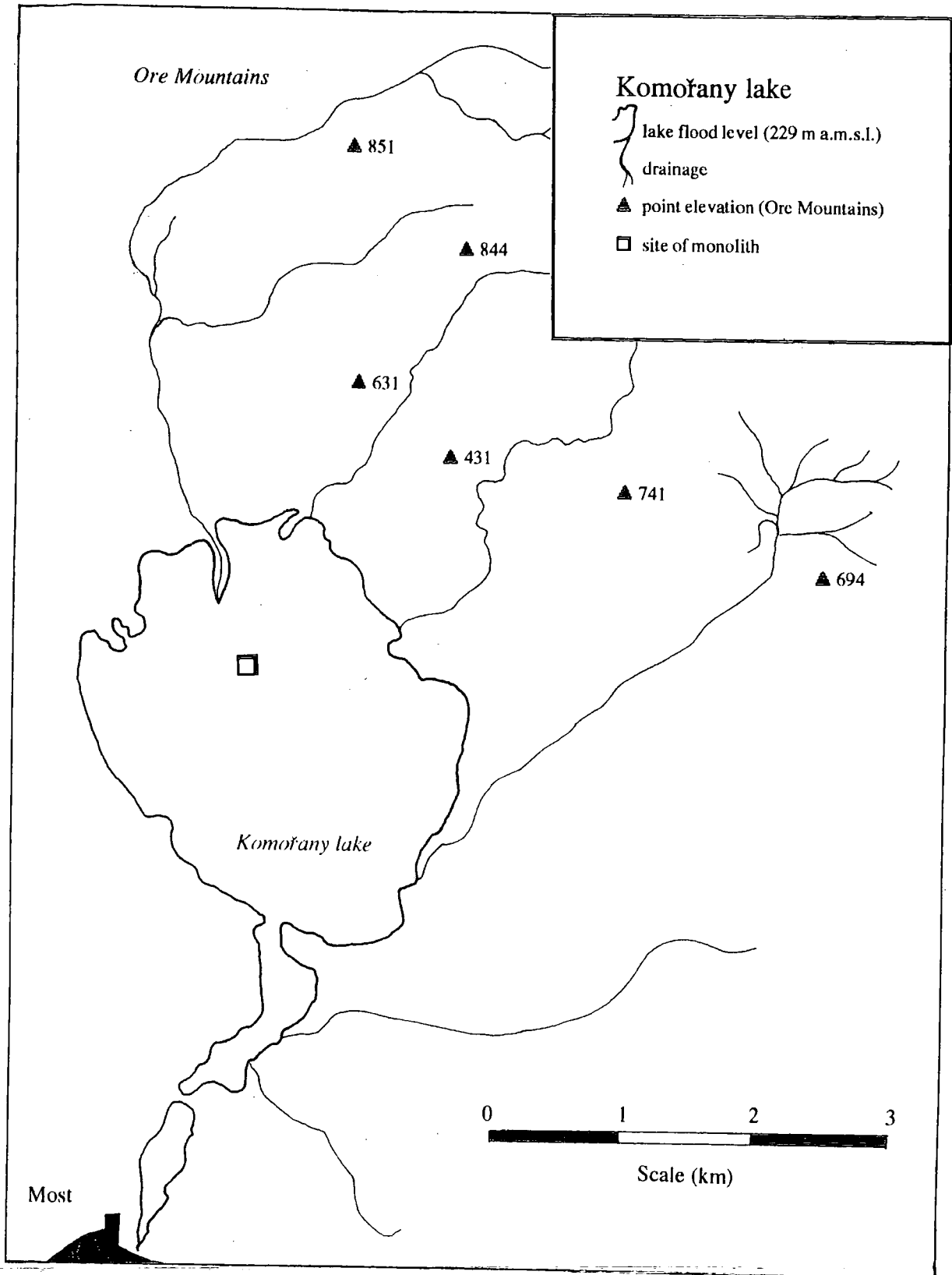


Fig. 22. Komořany stratigraphy

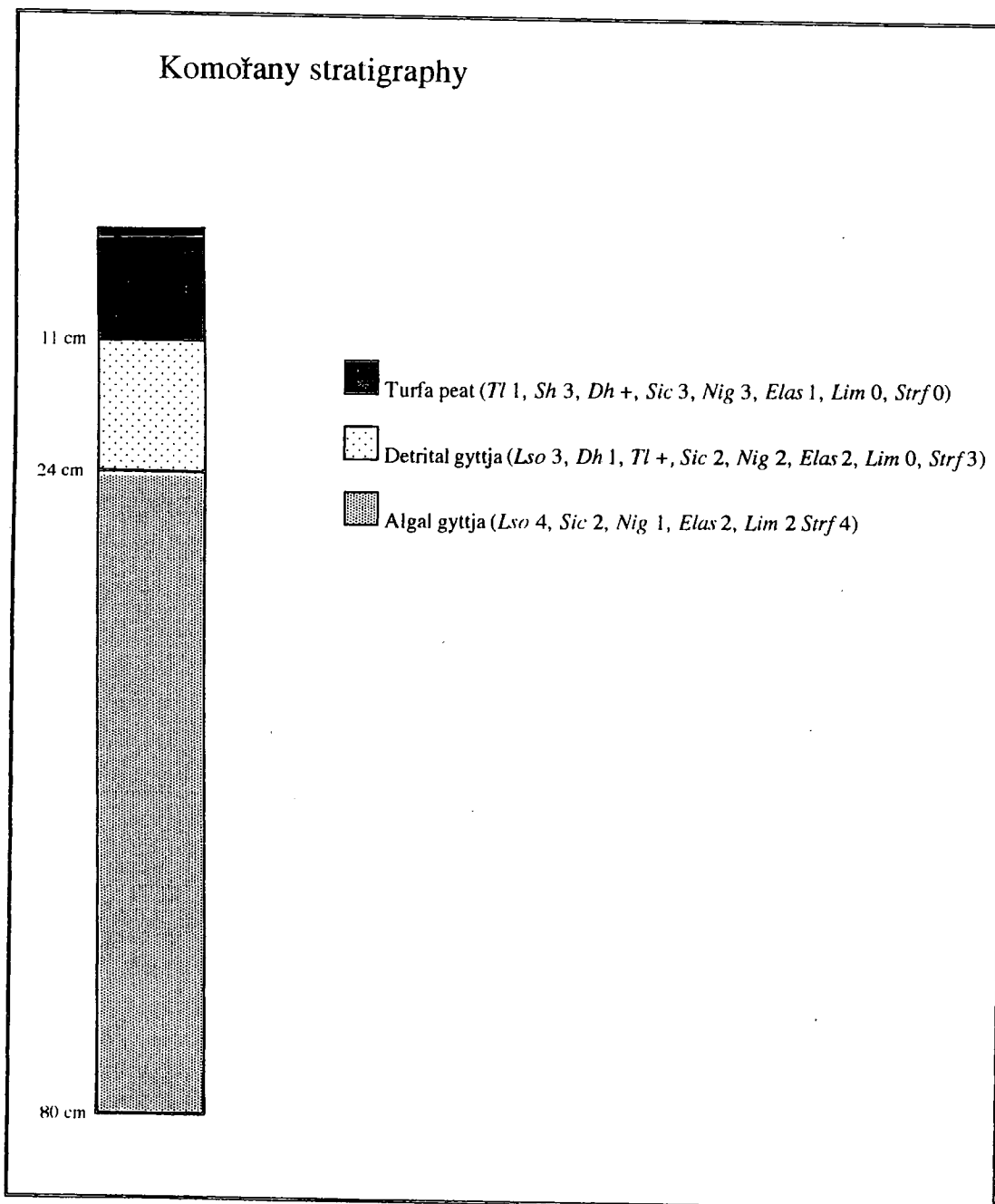
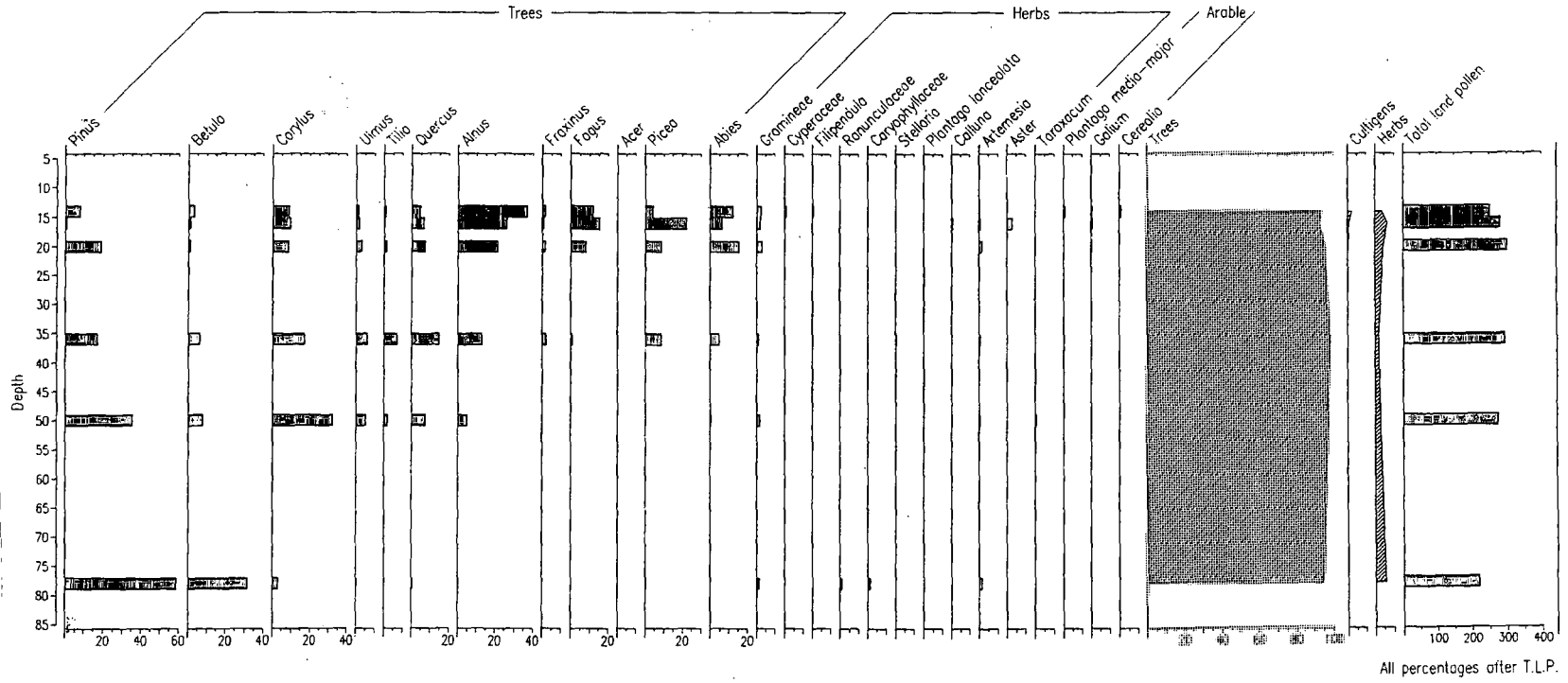


Fig. 23. Komofany pollen diagram

Komorany (228 m a.m.s.l.)



All percentages after T.L.P.

Fig. 24. Bylany 1, location of geo-botanical site.

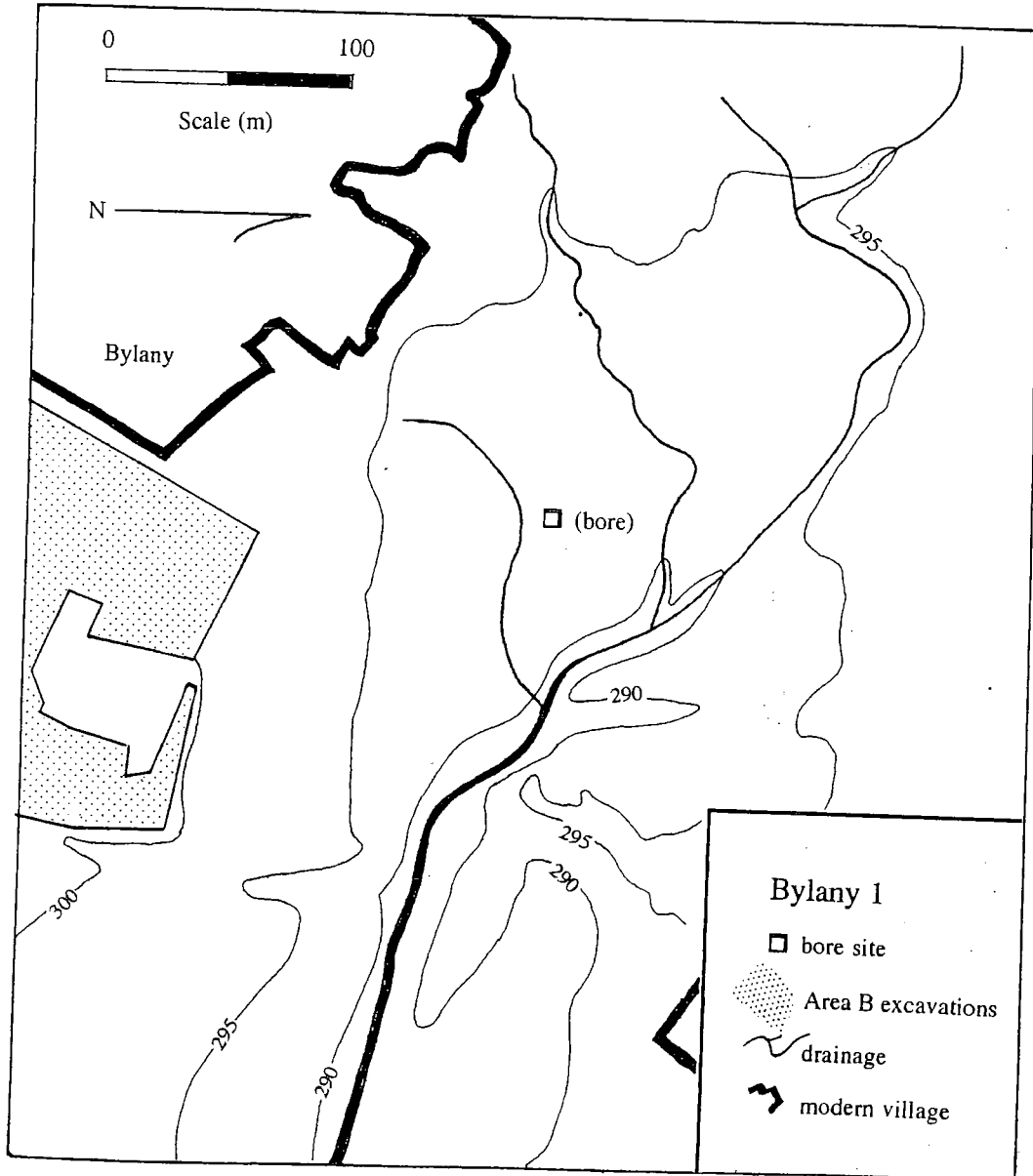


Fig. 25. Bylany 1 stratigraphy.

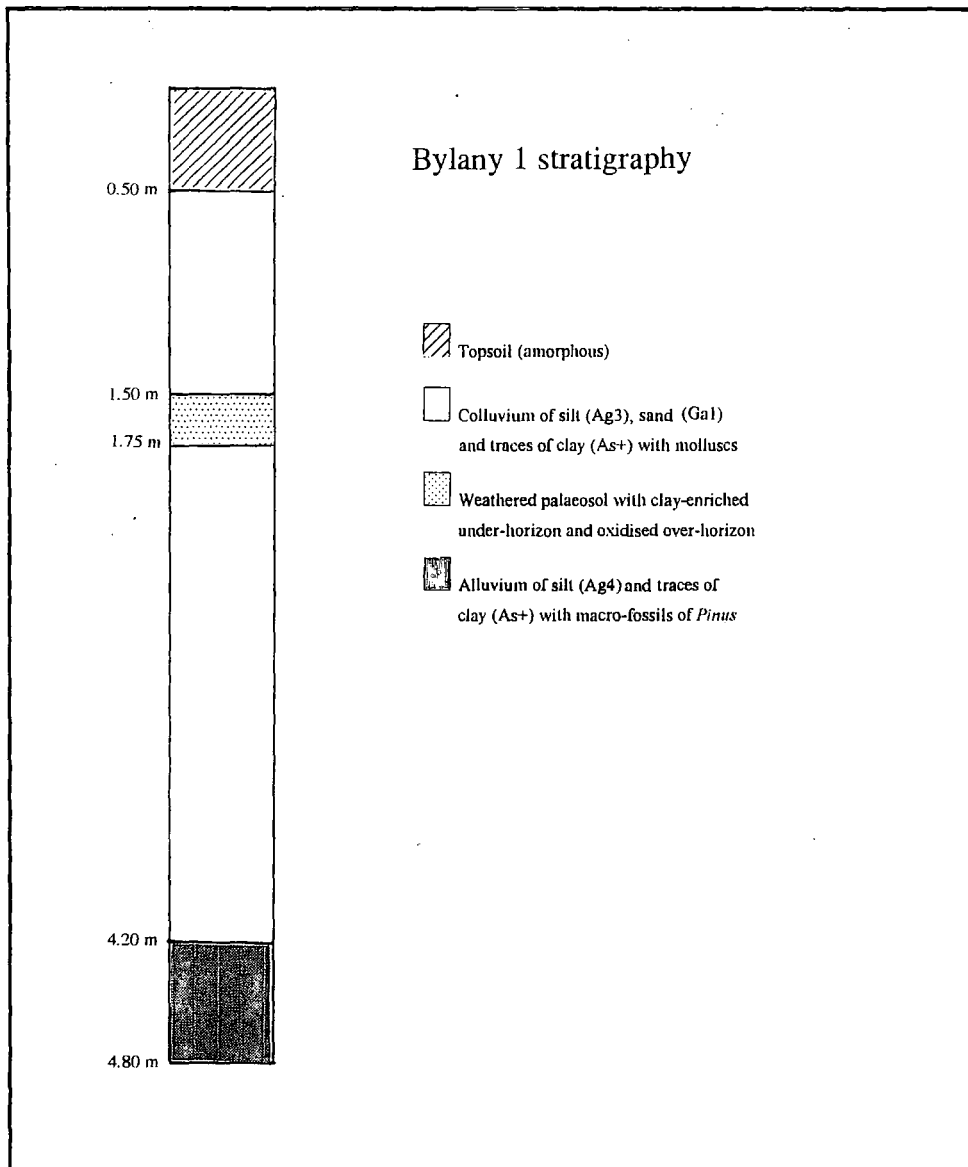


Fig. 26. Bylany 1 pollen diagram.

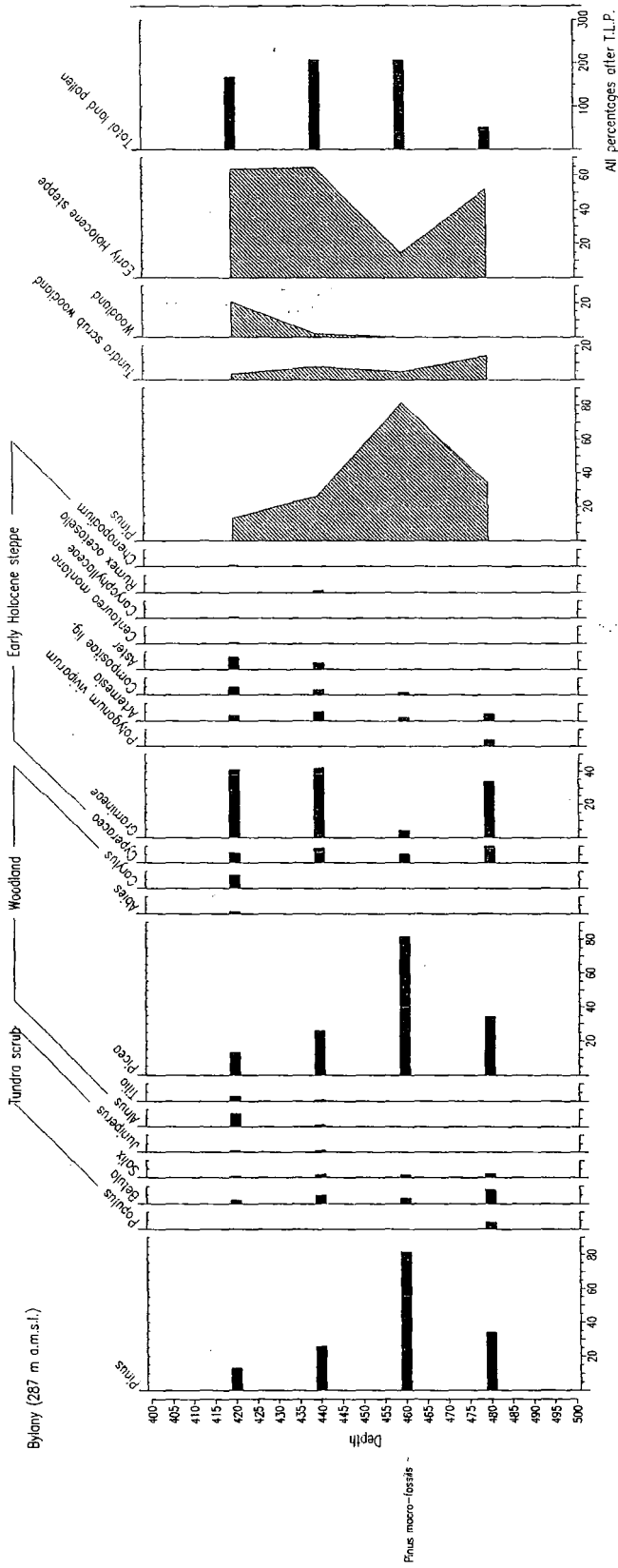


Fig. 27. Konobrze, location of site and pollen sample from Early Únětice grave (18).

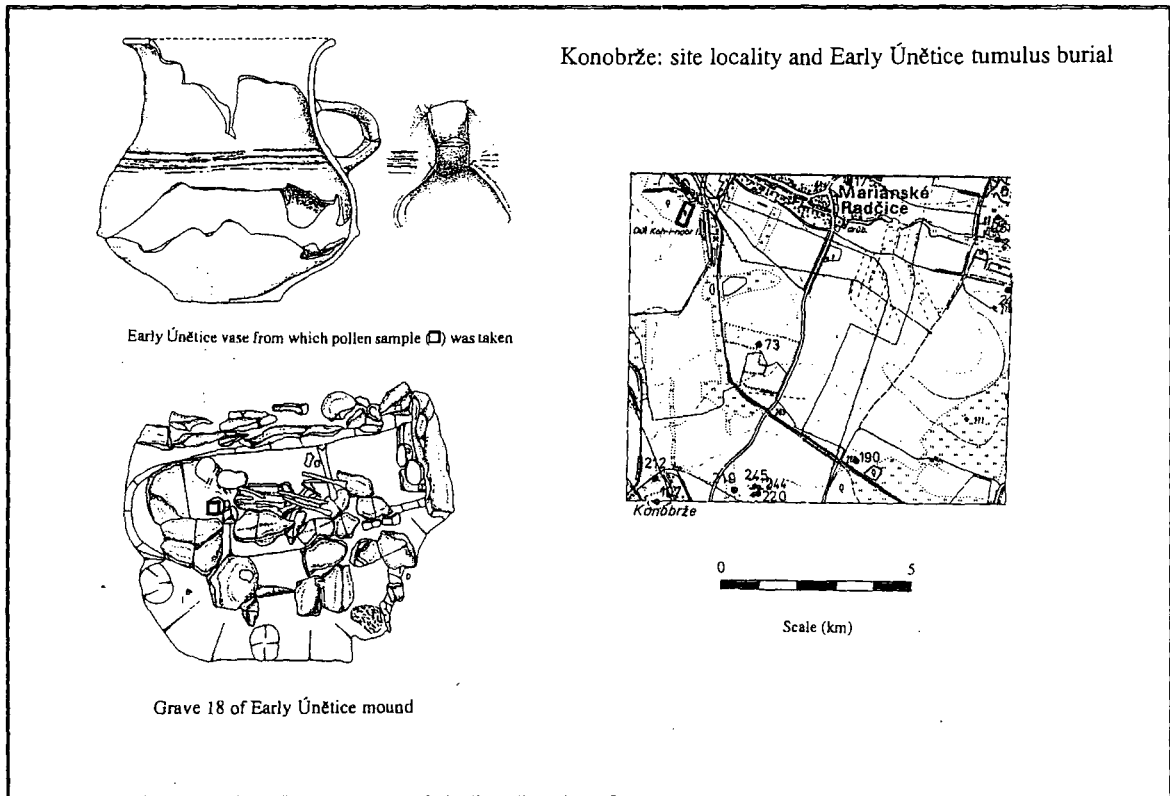


Fig. 28. Konobrze, photo of Eneolithic v-shaped ditch with position of upper pollen sample indicated.



Fig. 29. Konobrze, photo of Knoviz alluvial and colluvial accumulation with position of pollen sample indicated (scale = 50 cm). Colluvial layer and overlying soil are of a darker and alluvium is of a lighter hue.



Fig. 31. Vranský potok stratigraphy, with lower and upper zones patterned and middle zone hued.

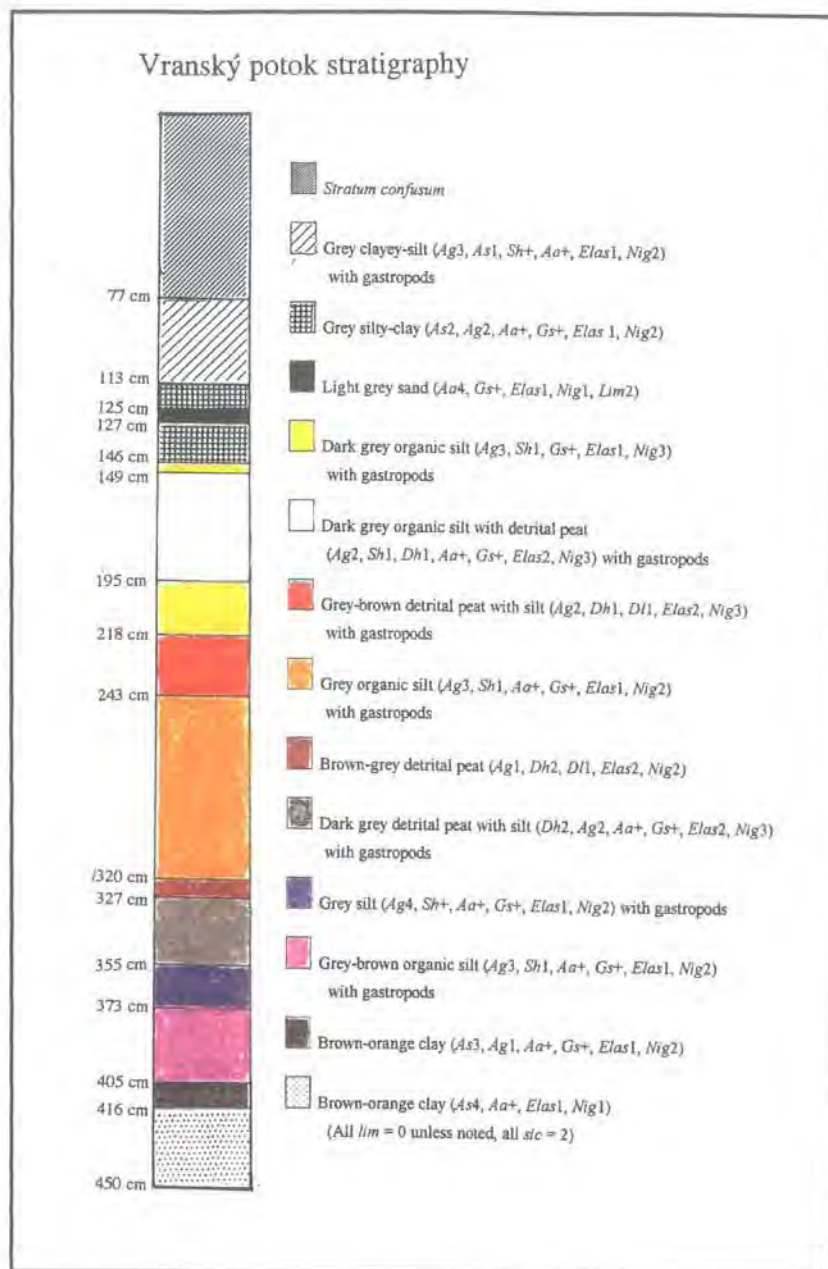


Fig. 32. Idealised fluvial hydrology of a wooded vs. deforested slope (after Butzer 1982).

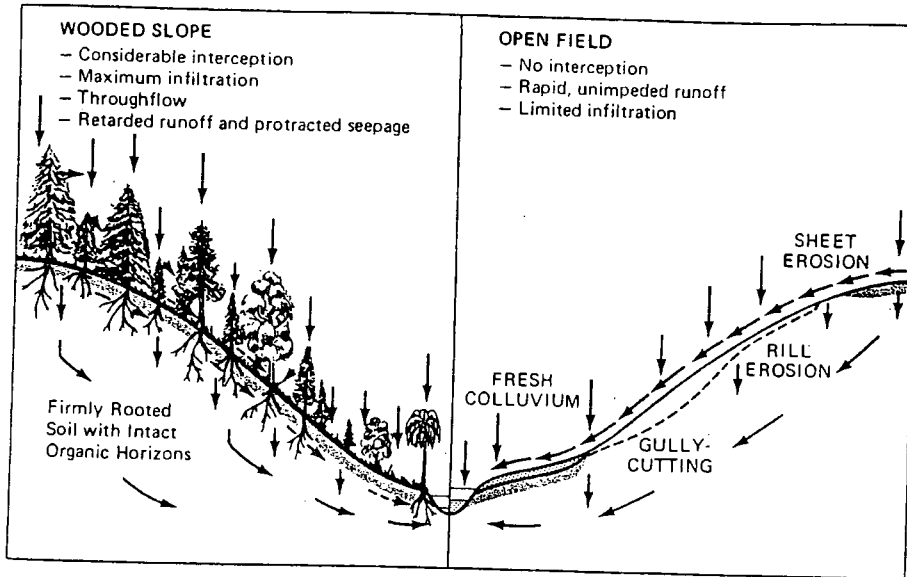


Fig. 33. Vranský potok, reconstructed hydrology and floodplain geometry of lower sedimentary zone.

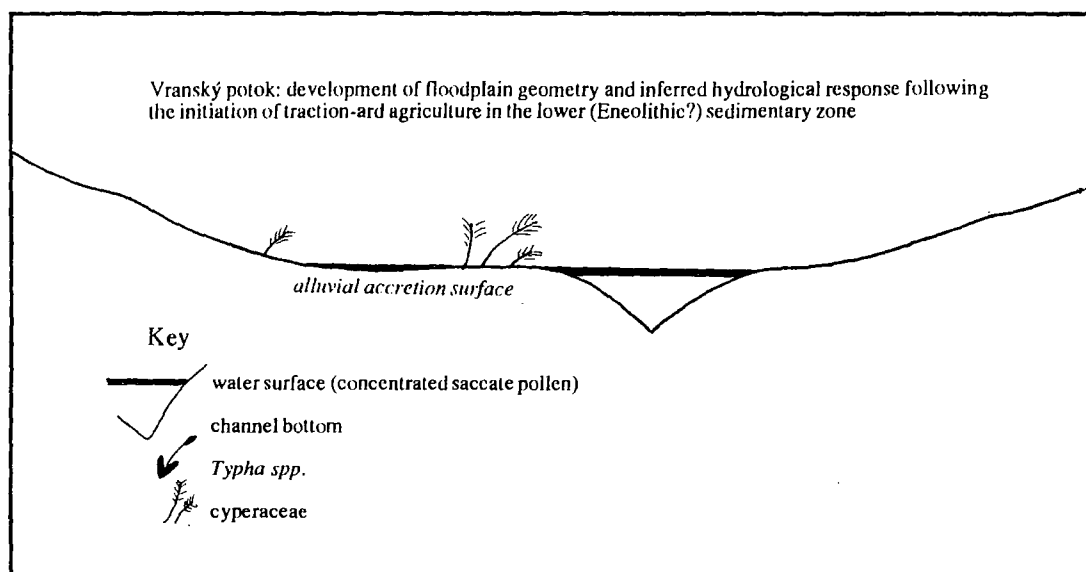


Fig. 34. Vranský potok, reconstructed hydrology and floodplain geometry of middle sedimentary zone (high-water). Note the progressive in-filling of sediment, widening potential habitats for semi-aquatic and telmatic vegetation.

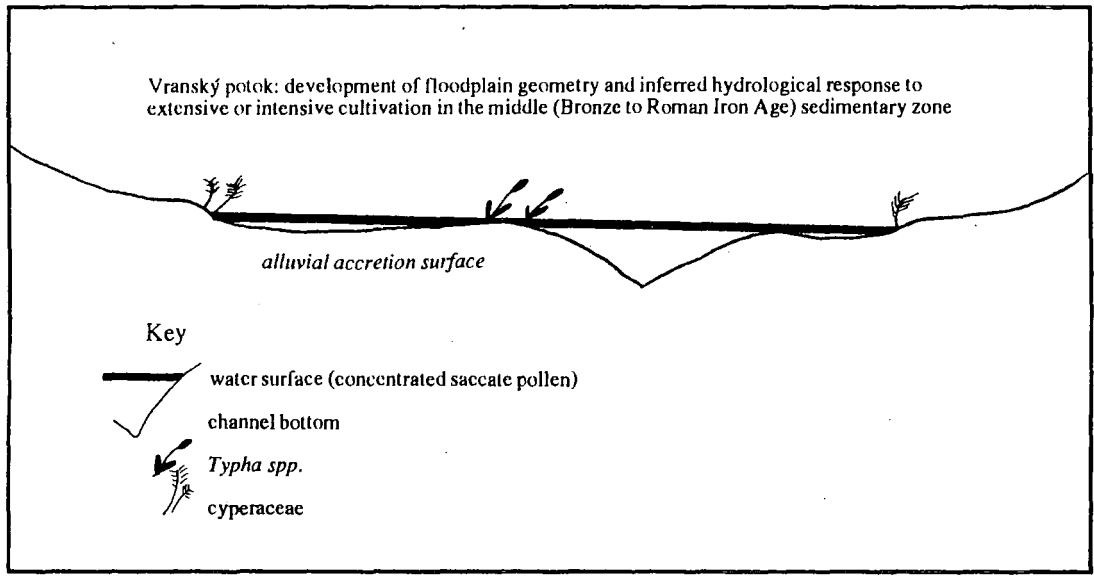


Fig. 35. Vranský potok, reconstructed hydrology and floodplain geometry of middle sedimentary zone (low-water).

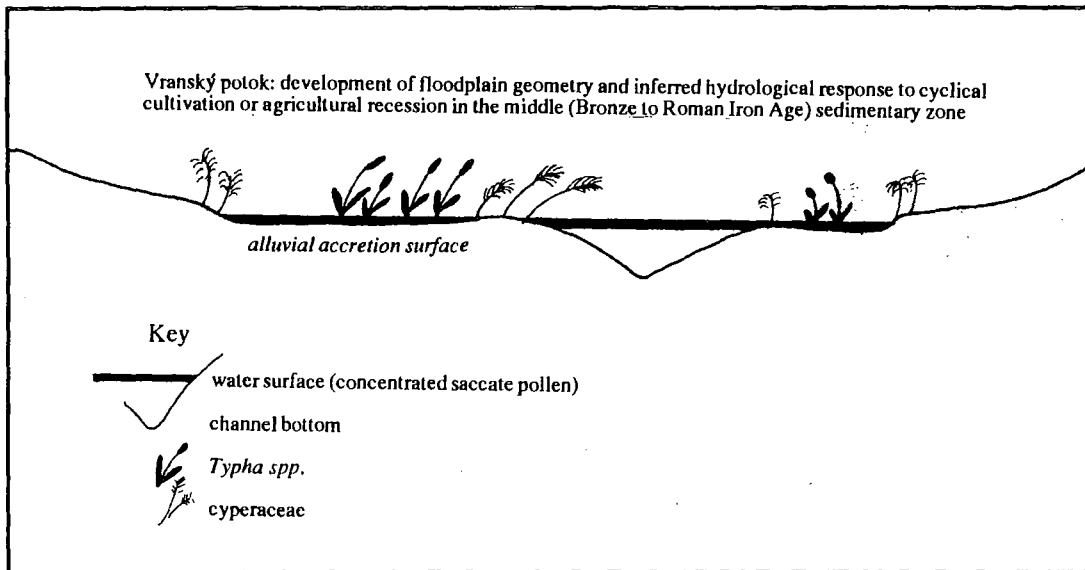


Fig. 36. Vranský potok, reconstructed hydrology and floodplain geometry of upper sedimentary zone. Note that continued in-filling of sediment in the valley bottom has transformed the relationship between the rate of water flow (after cubic meters per second) and proximate water levels at the alluvial accretion surface. A sub-competent alluviation is indicated by more poorly sorted sediment in this upper zone, with increased (subaqueous) clay deposition interrupted by high energy events.

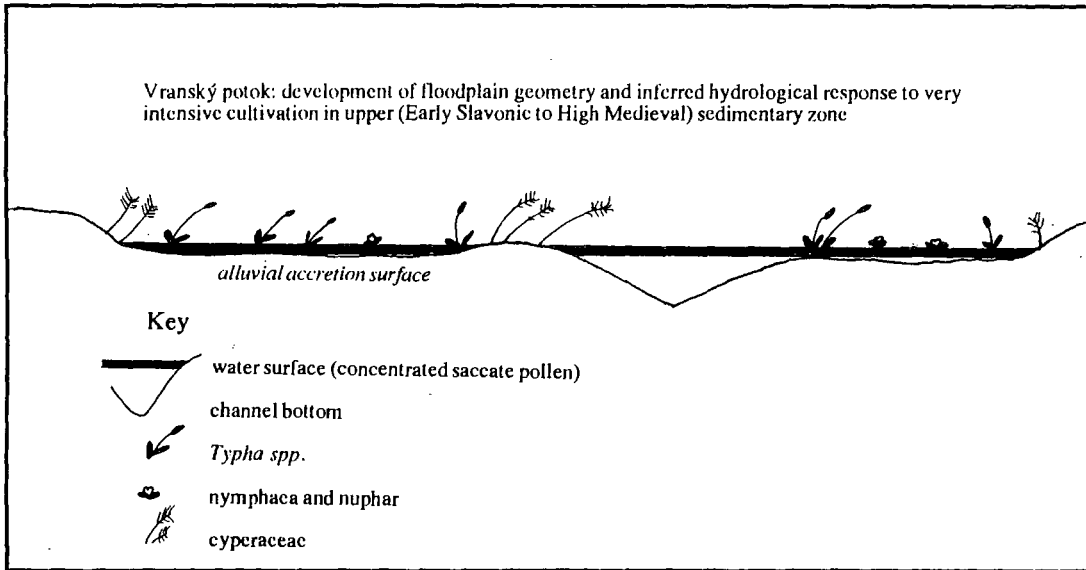


Fig. 37. Vranský potok summary pollen diagram after total land pollen.

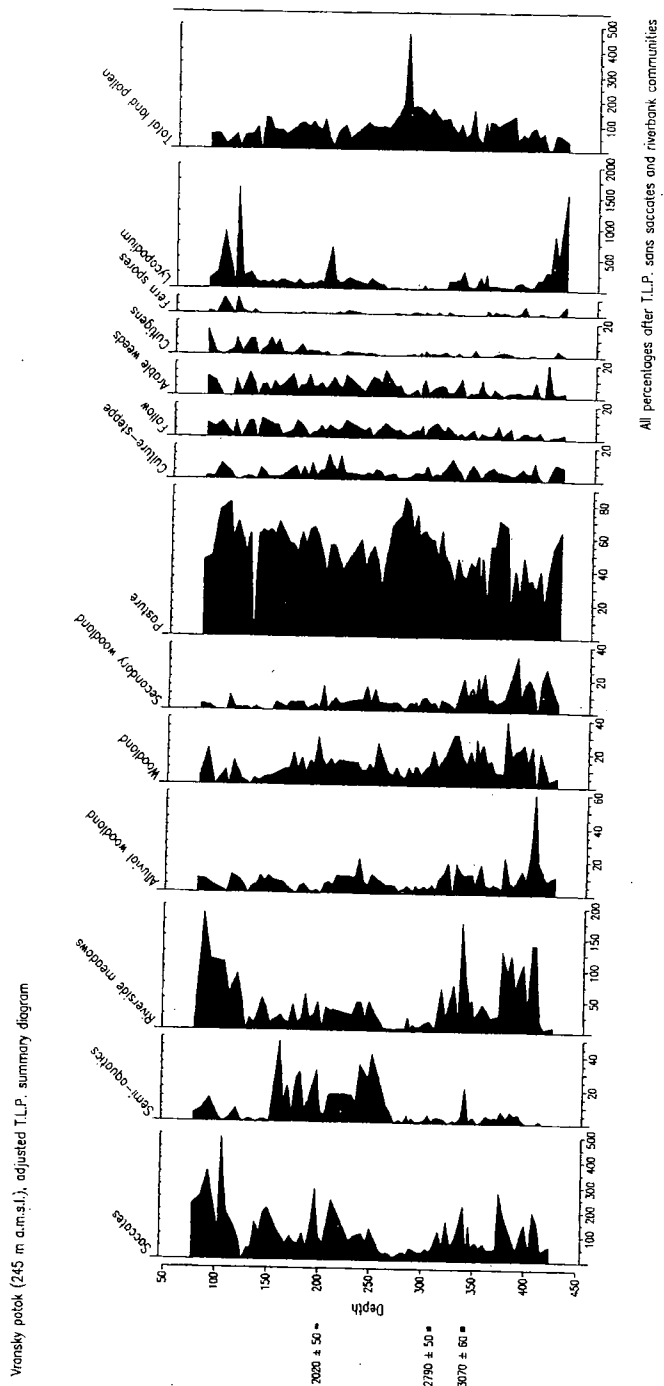


Fig. 38. Eneolithic settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds.

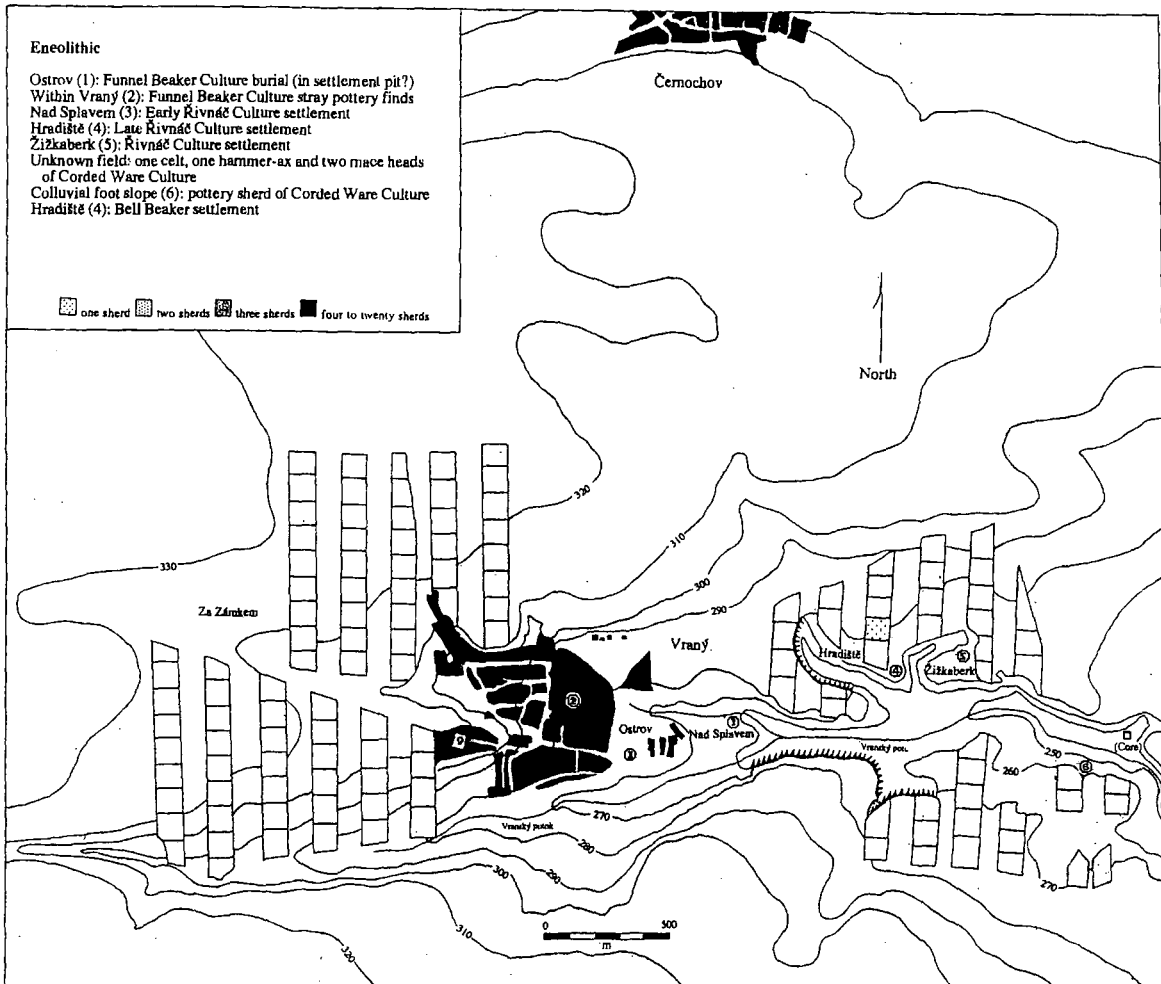


Fig. 39. Early and Middle Bronze Age settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds.

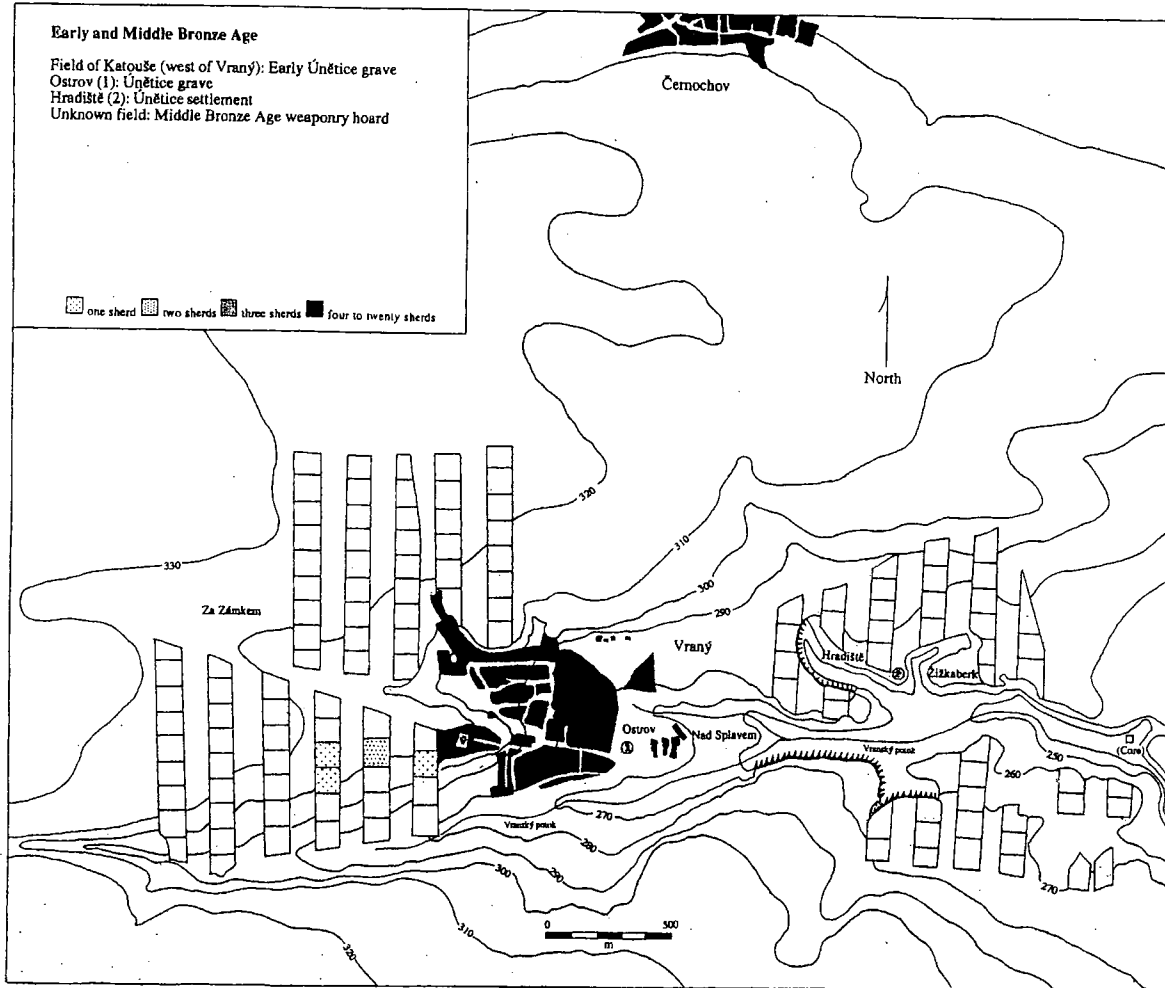


Fig. 40. Classical Early Bronze Age settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds (this may also include some finds indicated in Fig. 39).

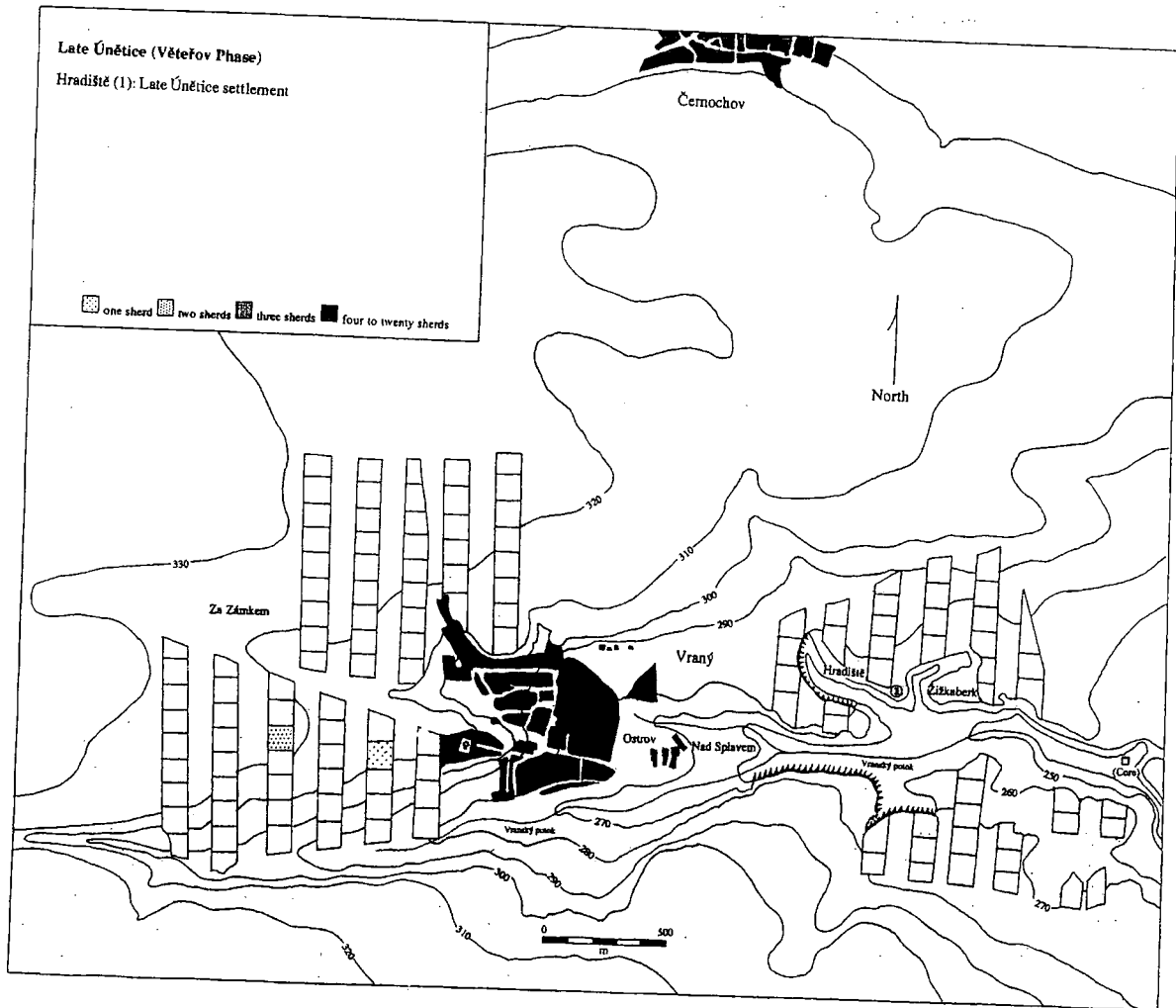


Fig. 41. Knovíz Urnfield settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds.

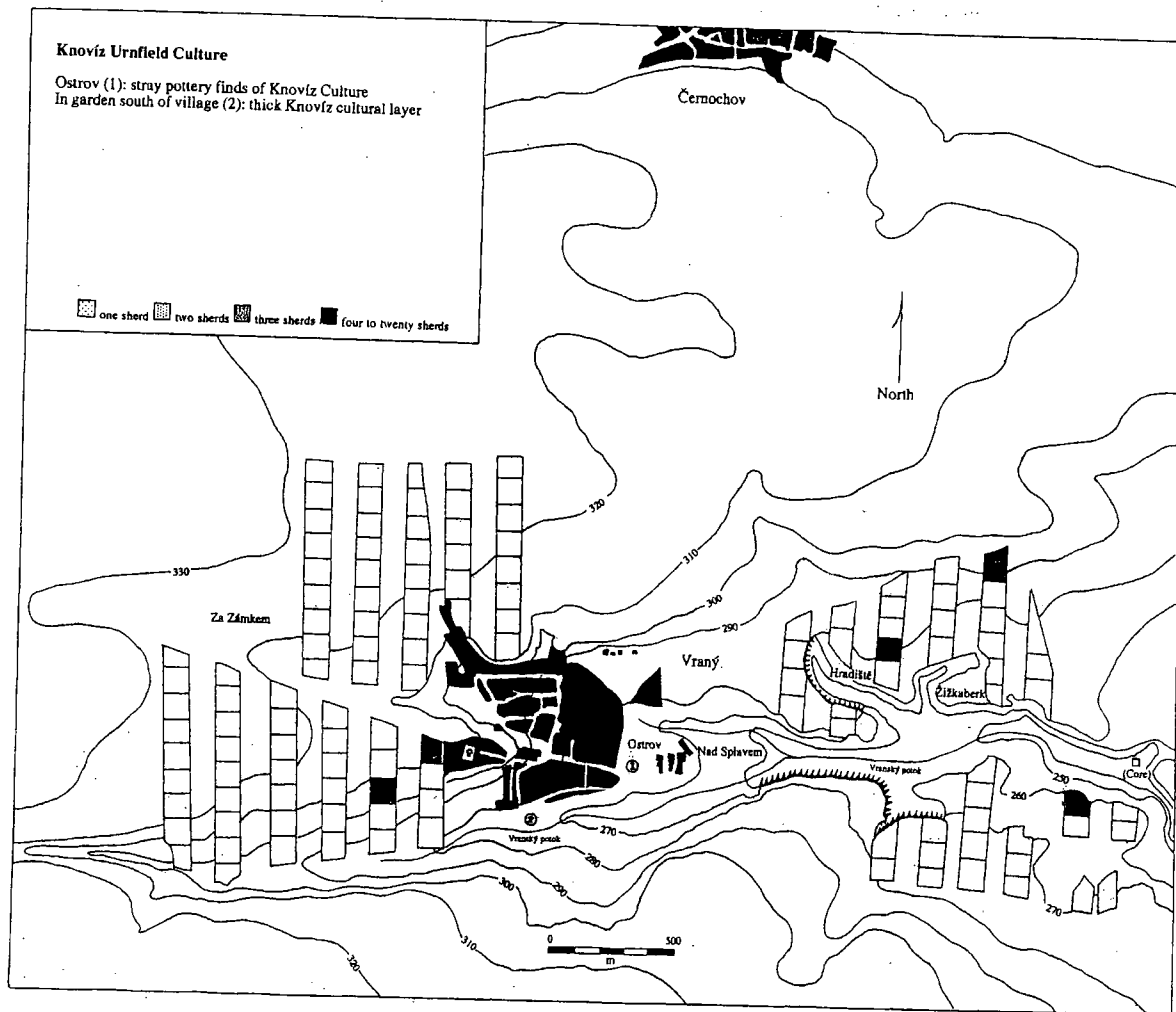


Fig. 42. Štítary Urnfield settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds.

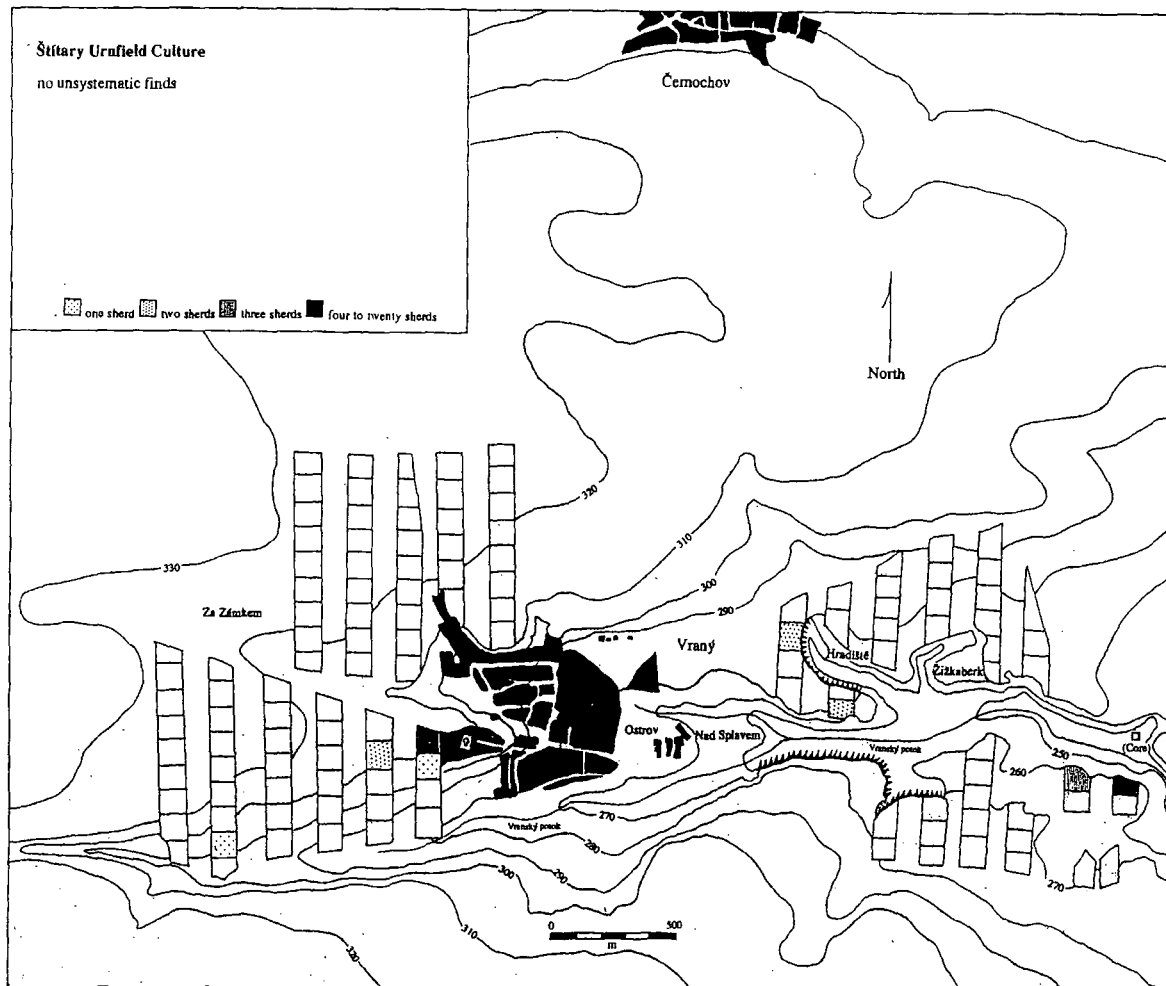


Fig. 43. Late Hallstatt-La Tène A period settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds.

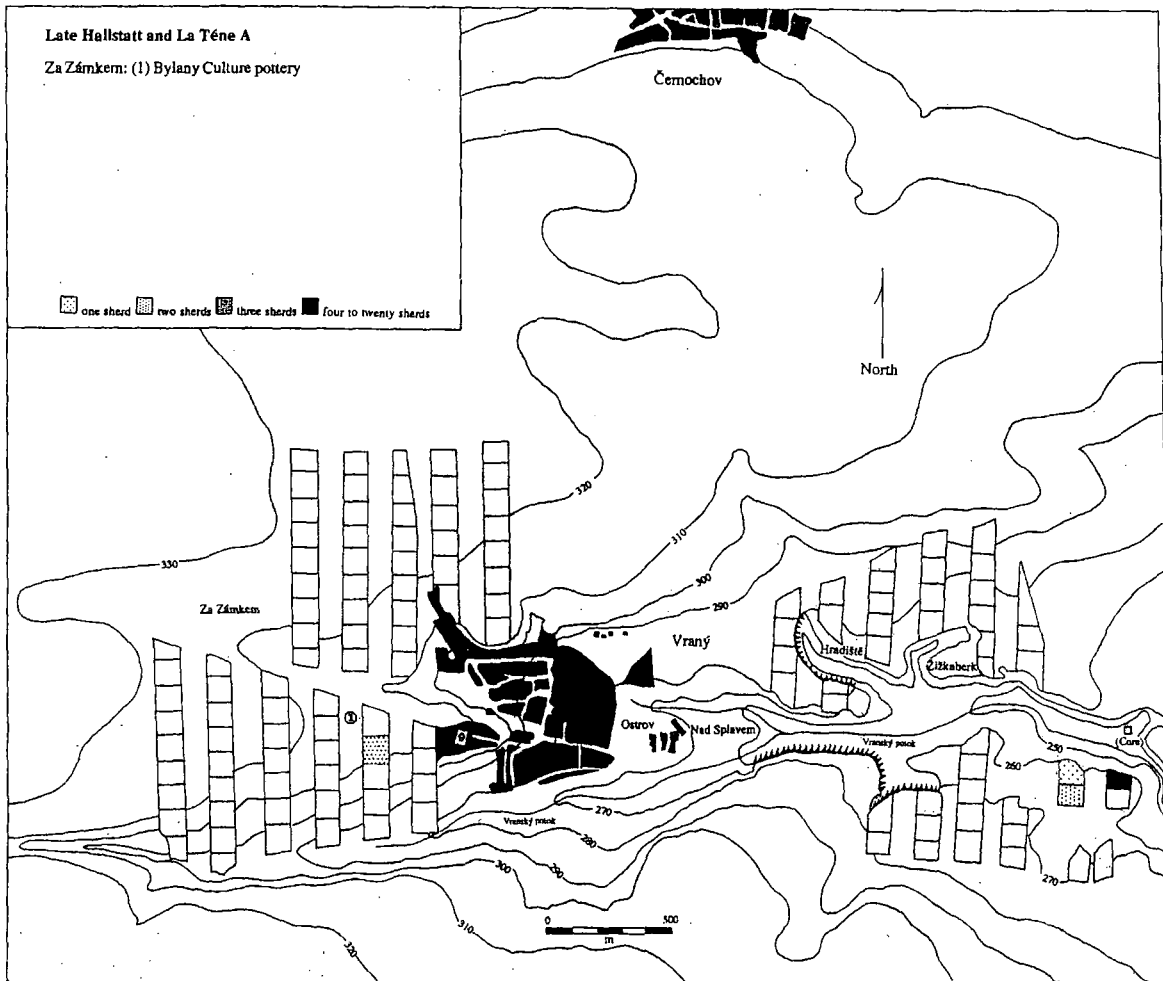


Fig. 44. Middle to Late La Tène period settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds.

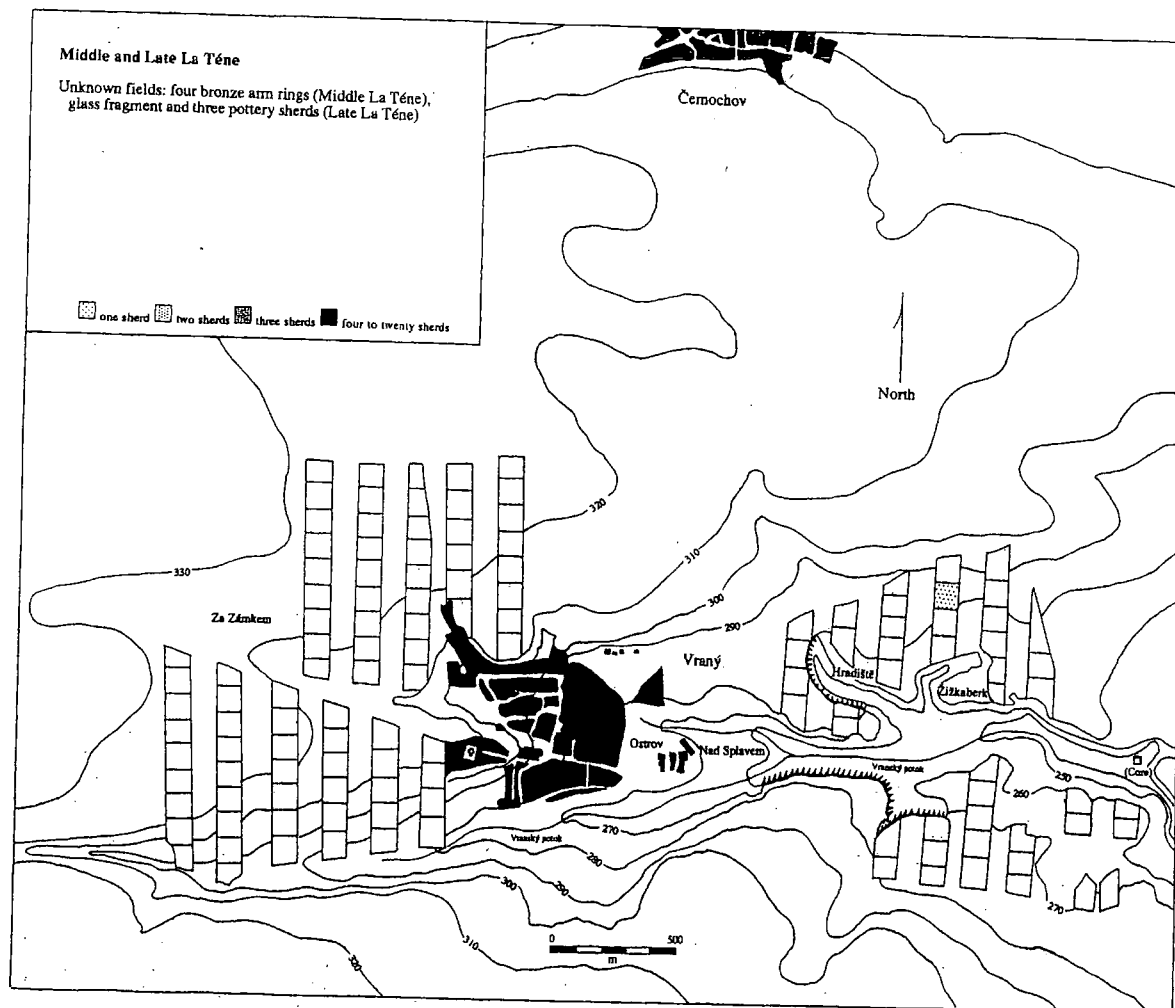


Fig. 45. Roman Iron Age settlement at Vranský potok as reflected in systematic field-walking and unsystematic finds.

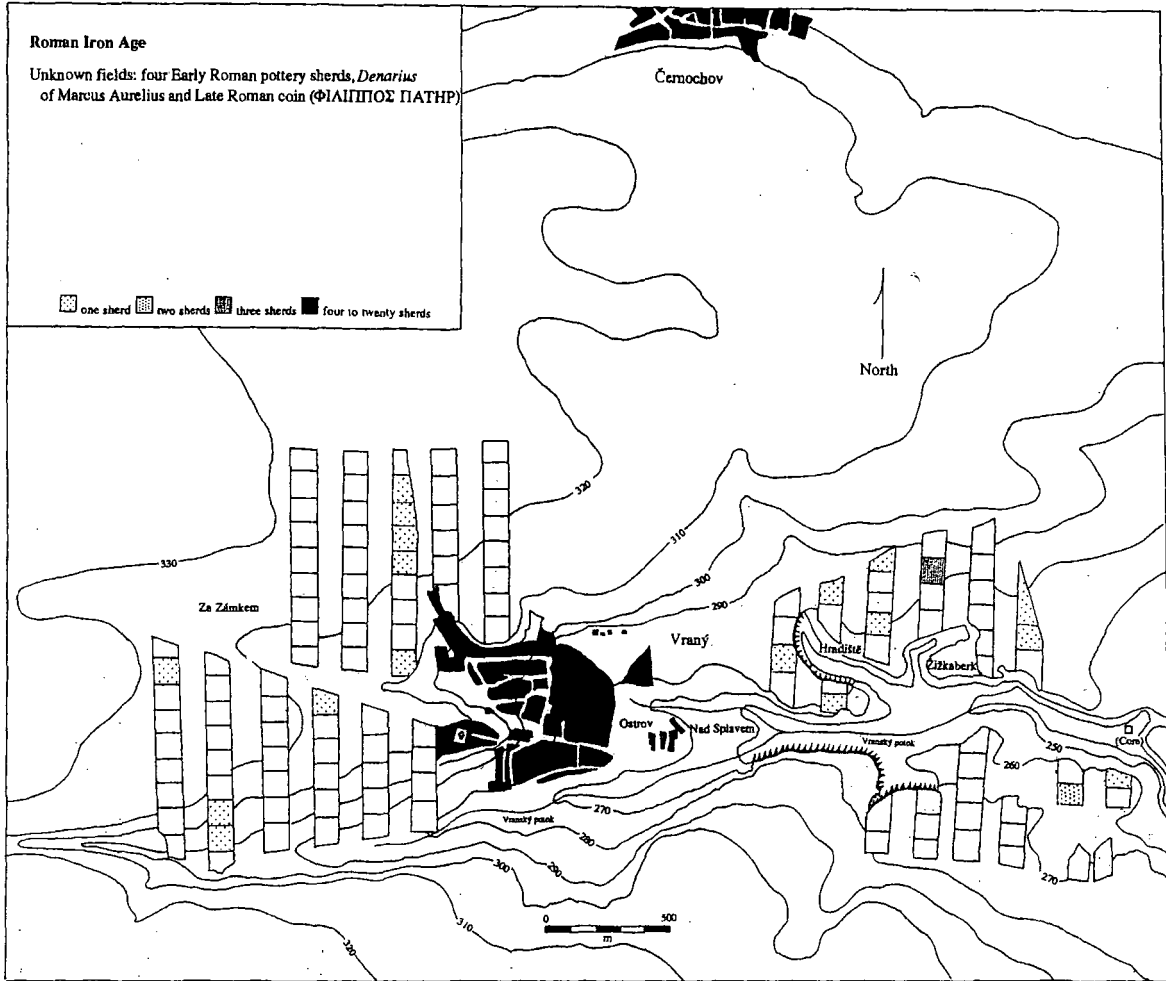


Fig. 46. Vnoř and Vnořský potok, location of archaeological pollen site and geo-botanical core.

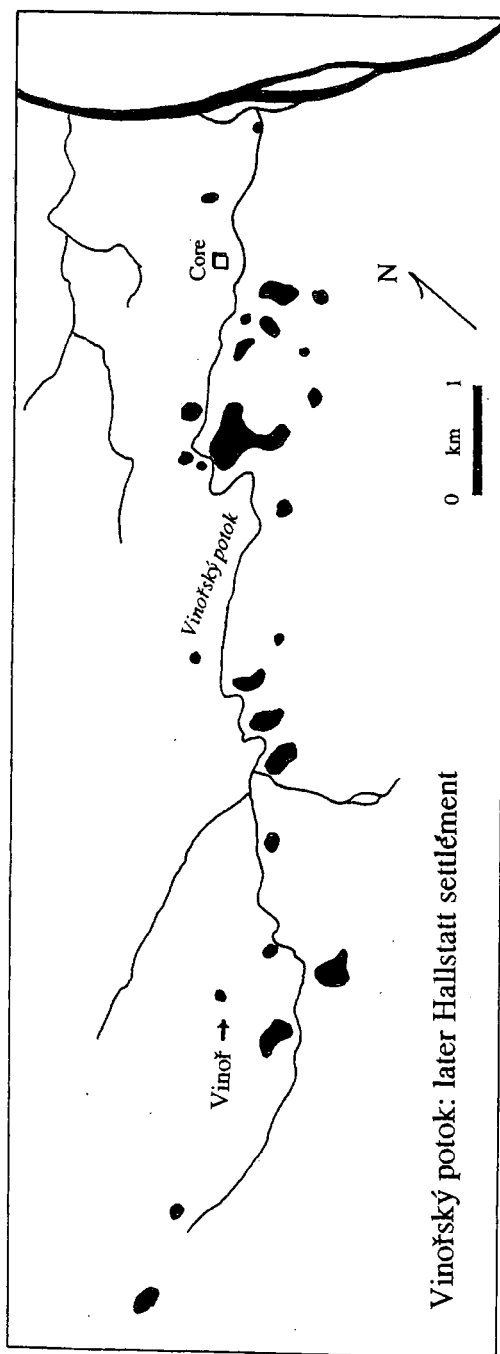


Fig. 47. Vnoř, position of Early Iron Age features in modern village.

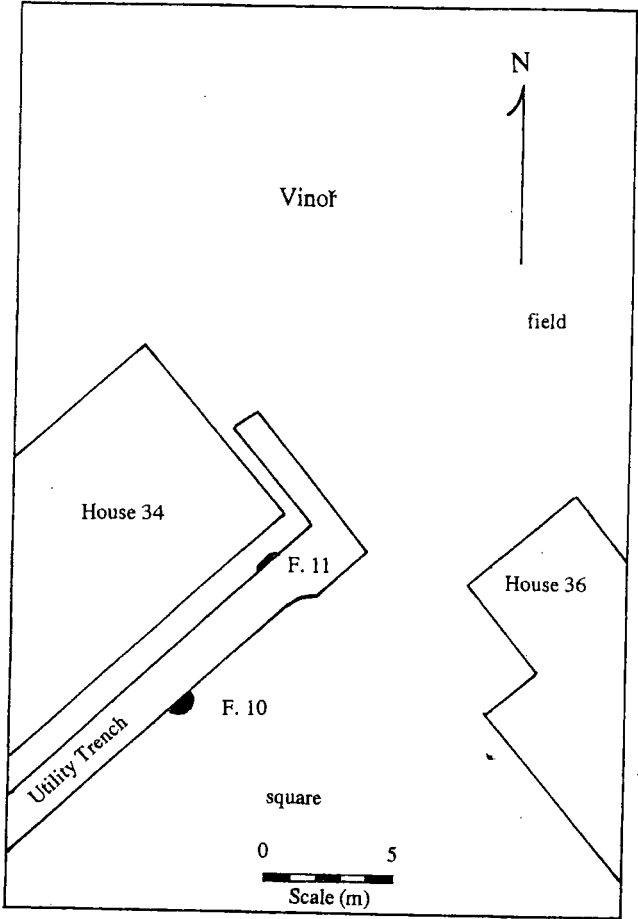


Fig. 48. Vnoř, profiles of (Hallstatt C2) Feature 11 and (Late Hallstatt) Feature 10 (see Fig. 49 for scale).

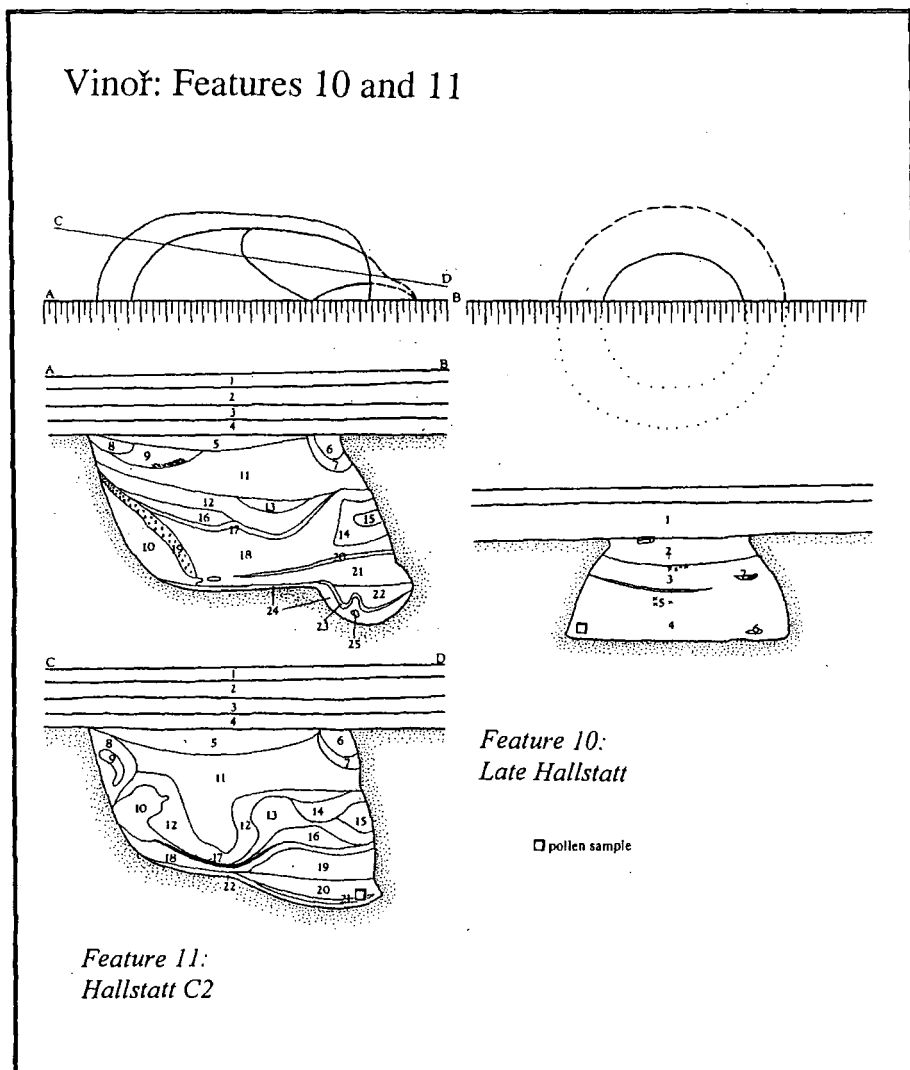


Fig. 49. Vinoř, photo of Feature 10 (with scale of 20 cm segments).



Fig. 50. Vnoř, pollen diagram of spectra from Hallstatt Features 11 and 10.

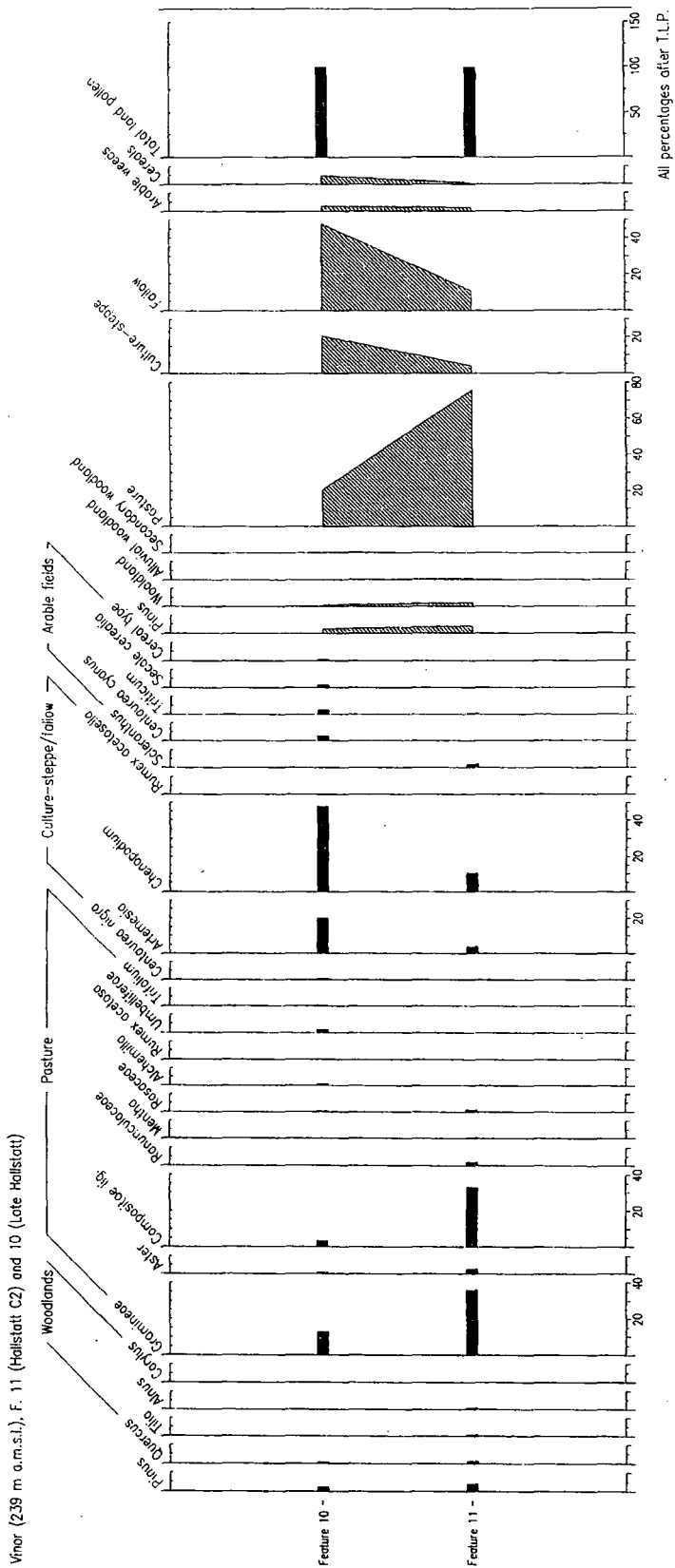


Fig. 51. Vinořský potok pollen diagram.

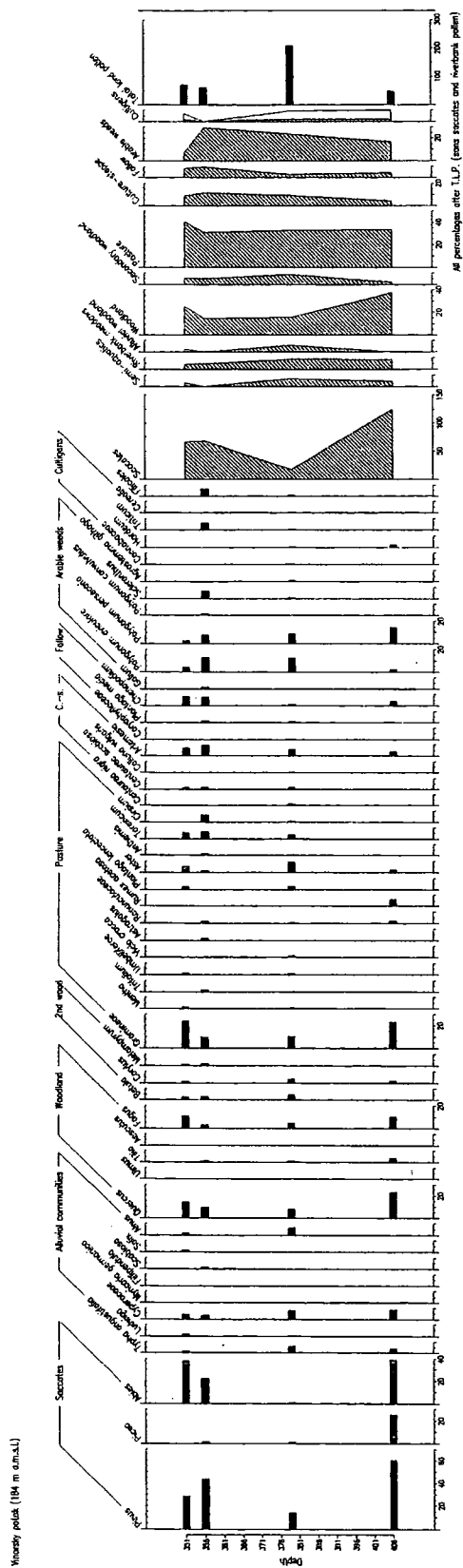


Fig. 52. Včelínce, location of geo-botanical and archaeological pollen sites.

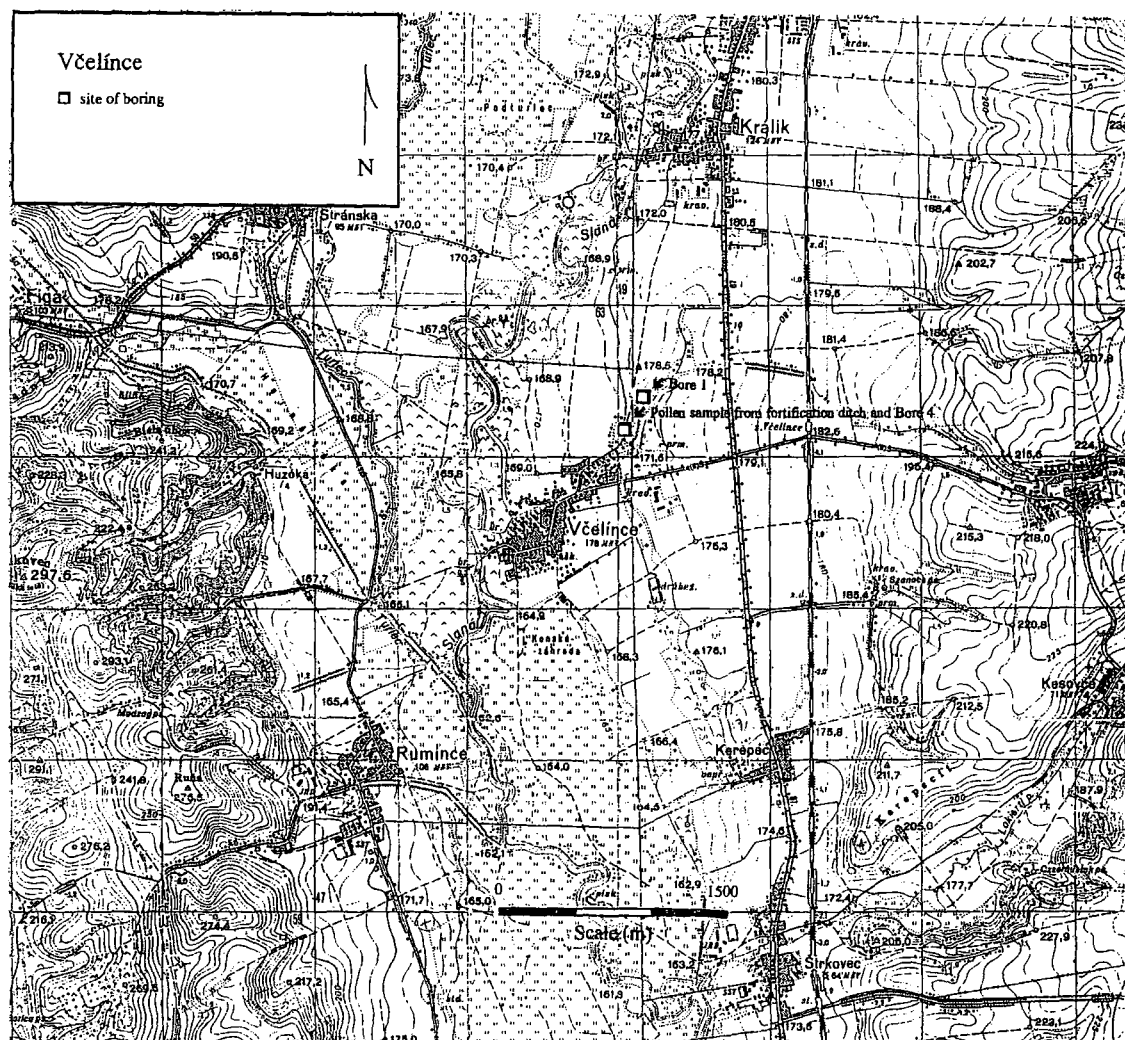


Fig. 53. Včelínce, on-site position of bore into Early Bronze Age fortification ditch and off-site position of Bore 4.

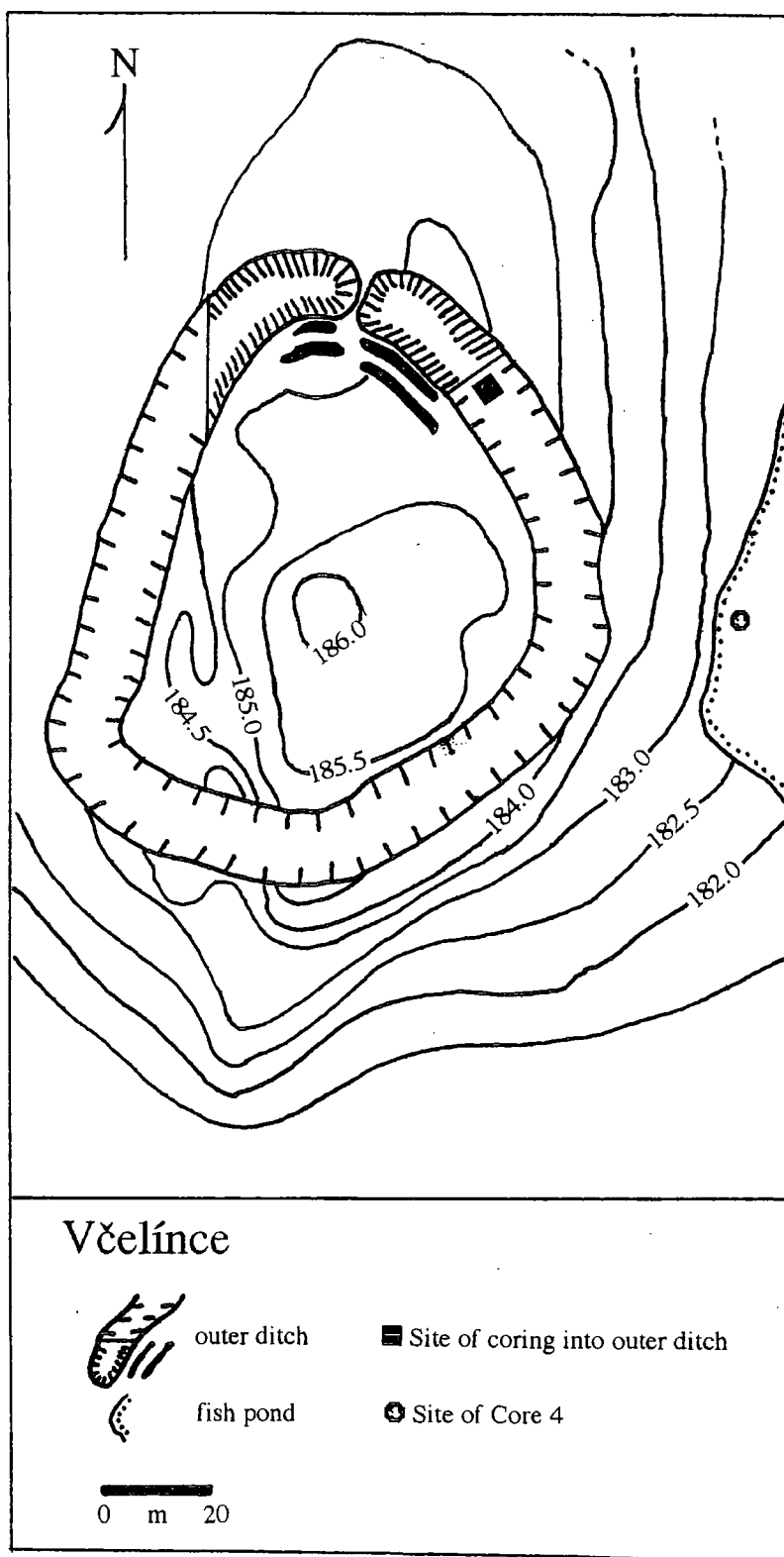


Fig. 54. Včelínce, profile of Early Bronze Age fortification ditch with position of pollen samples transposed.

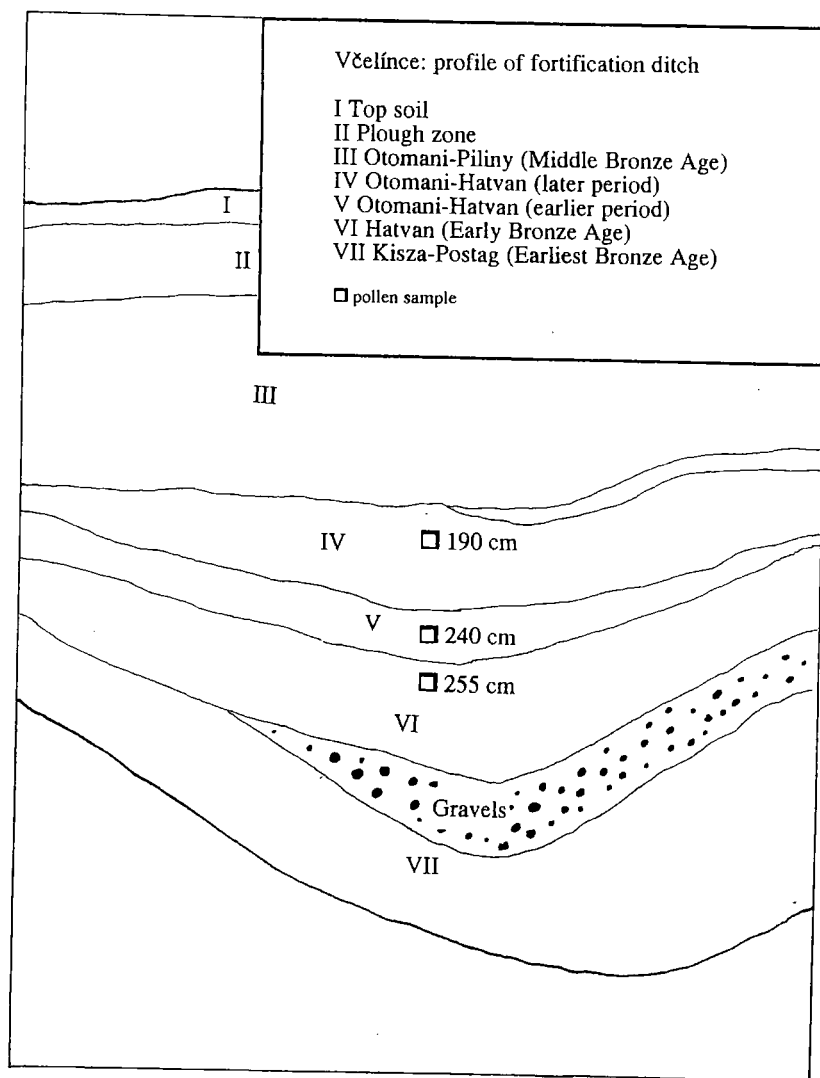


Fig. 55. Včelínce, photo of site of Bore 1 (by drainage) from the earthen bank of the Early Bronze Age site.



Fig. 57. Mýtina Nová Ves, location of geo-botanical and archaeological pollen sites.

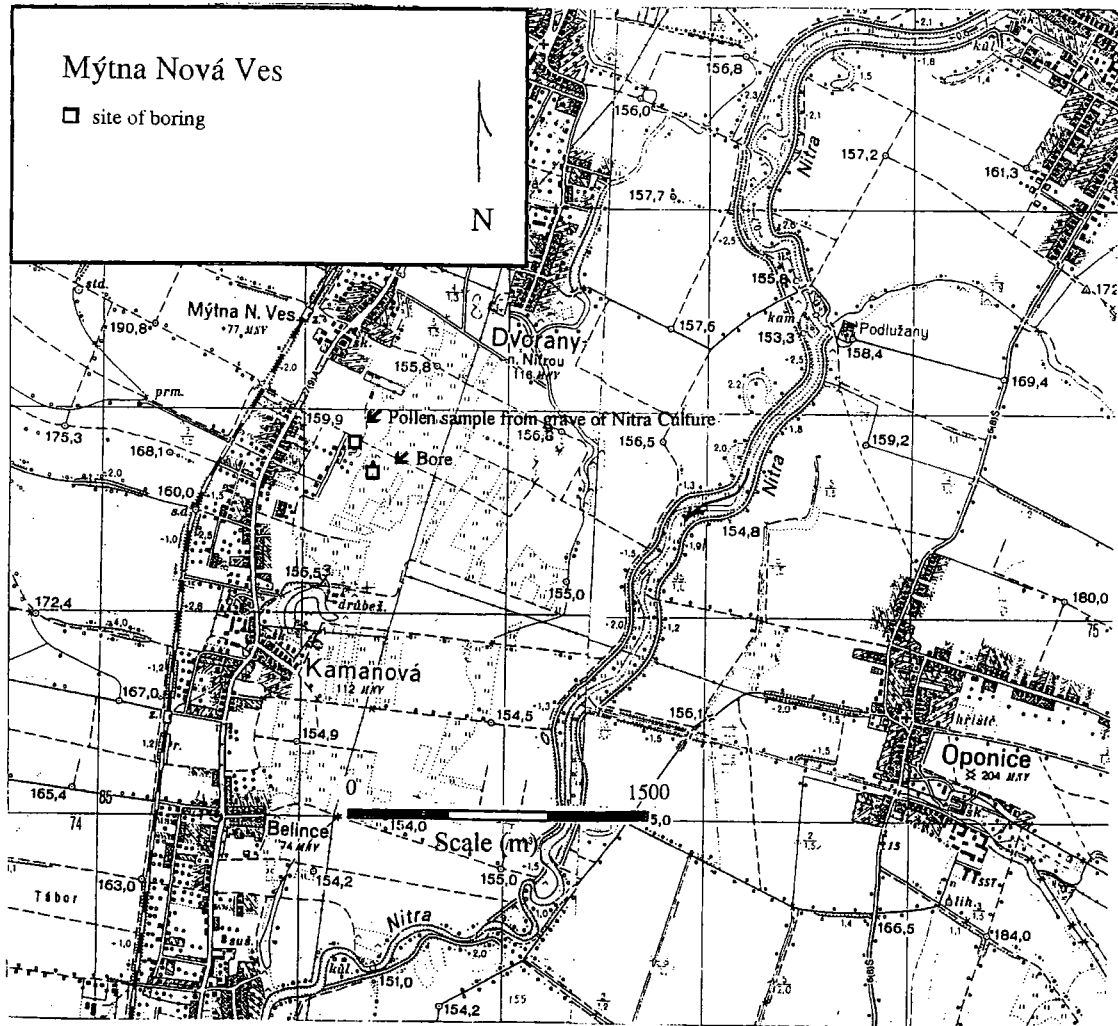


Fig. 58. Mýtina Nová Ves pollen diagram.

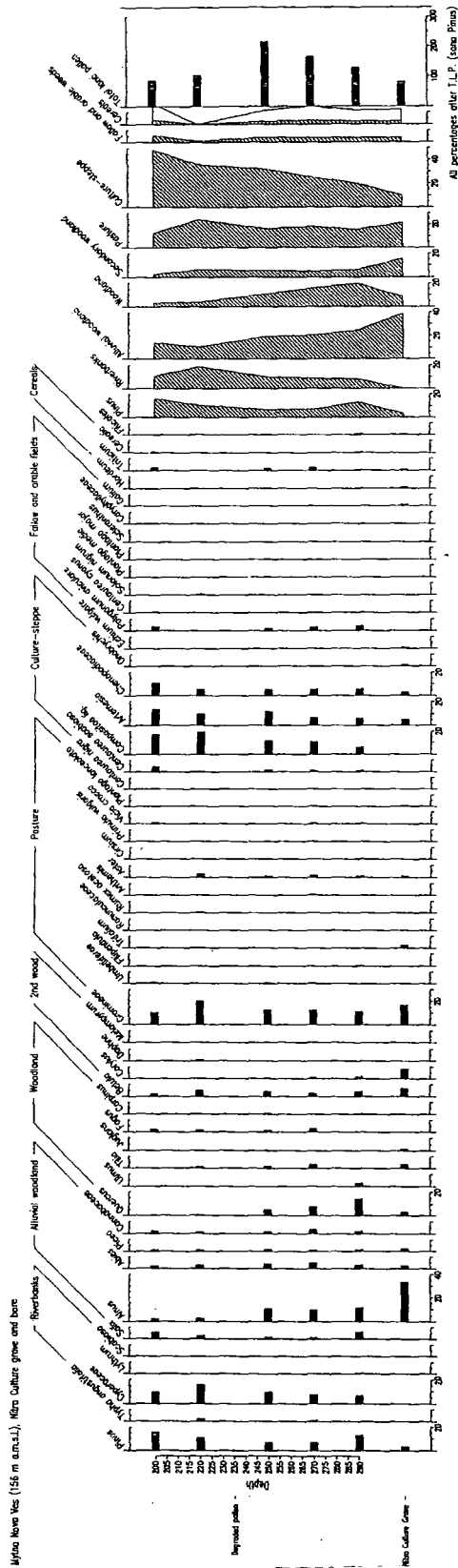


Fig. 59. Vojkovice, location of archaeological pollen site.

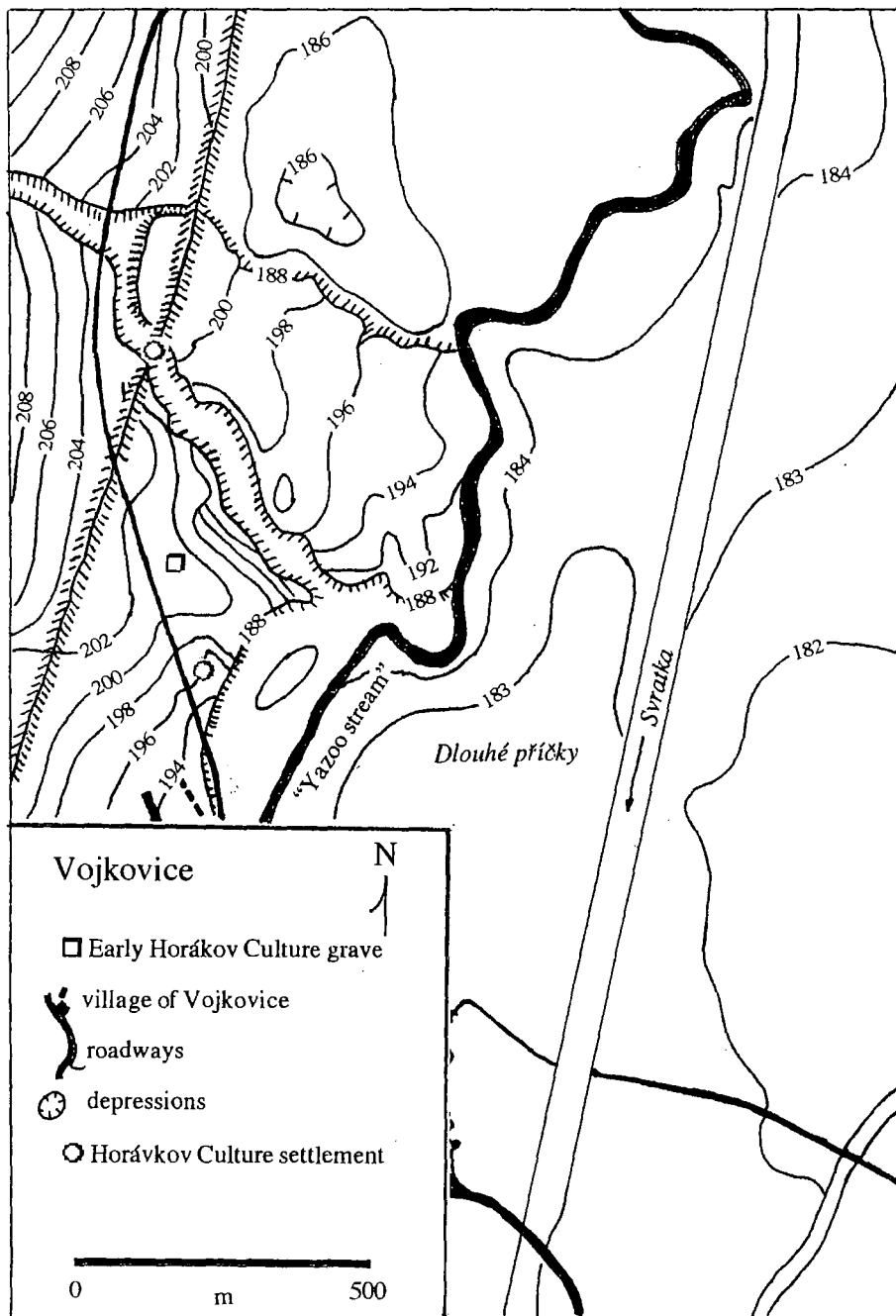


Fig. 60. Vojkovice, photo of Early Horákov chamber grave of young lady (aged 20-25) with an array of ceramic and animal (*Sus scrofa*?) offerings. Note green discolouration of copper salts in area of bronze ring-mail belt from which pollen sample was taken (cf. Svareč, Fig. 103).



Fig. 61. Pohorelice, location of archaeological pollen site.

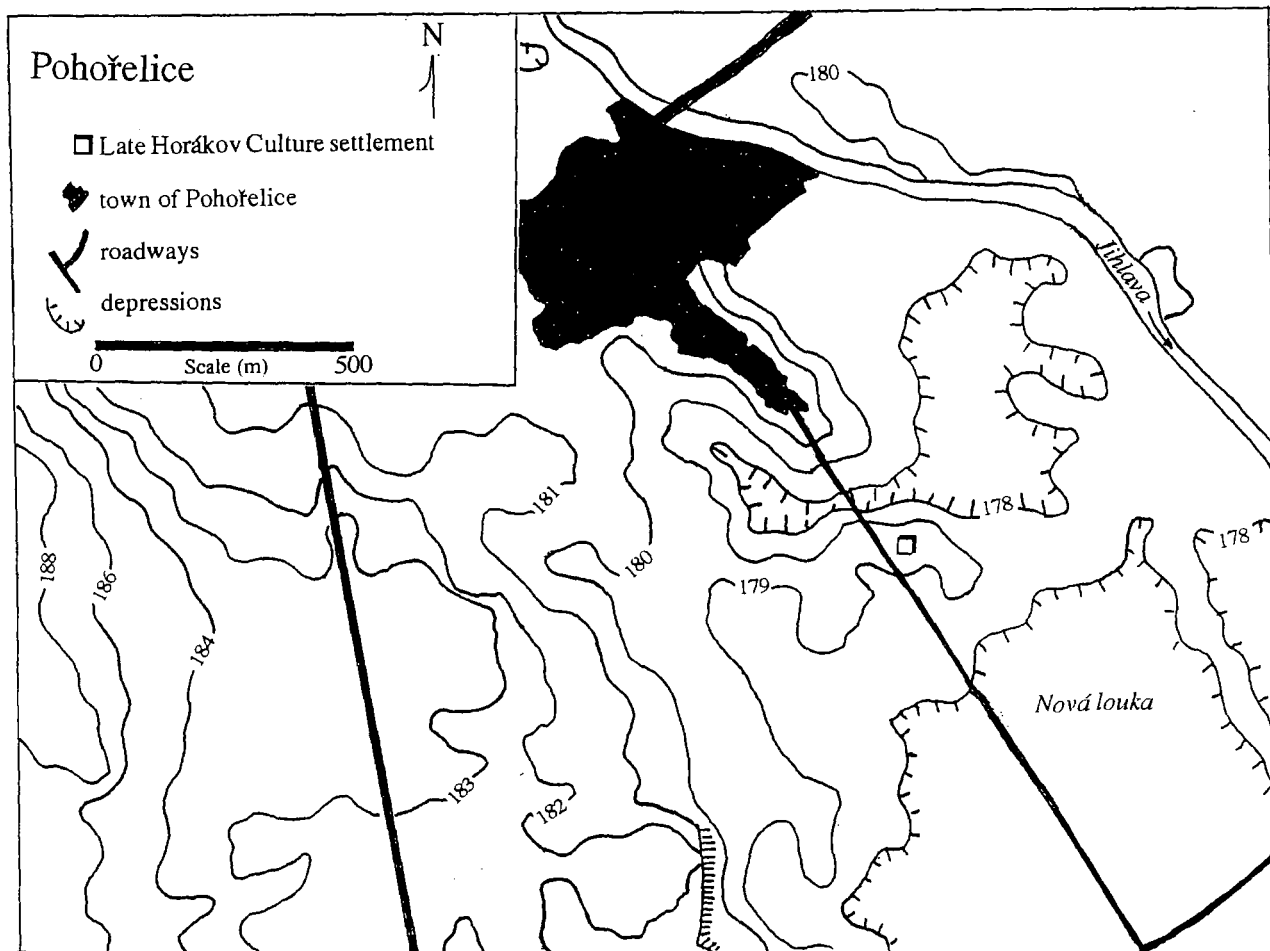


Fig. 62. Pohořelice, profile of later Horákov Feature 125.

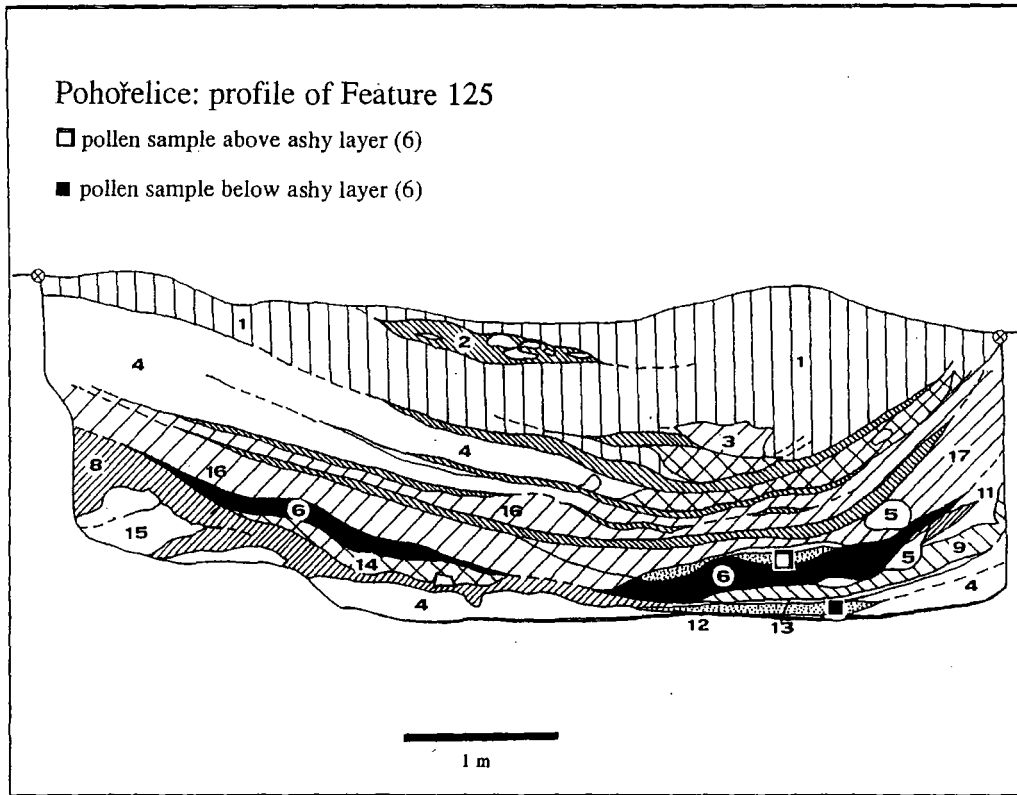


Fig. 64. Mušov-Burgstall and V Pískách, location of archaeological pollen sites (1-2).

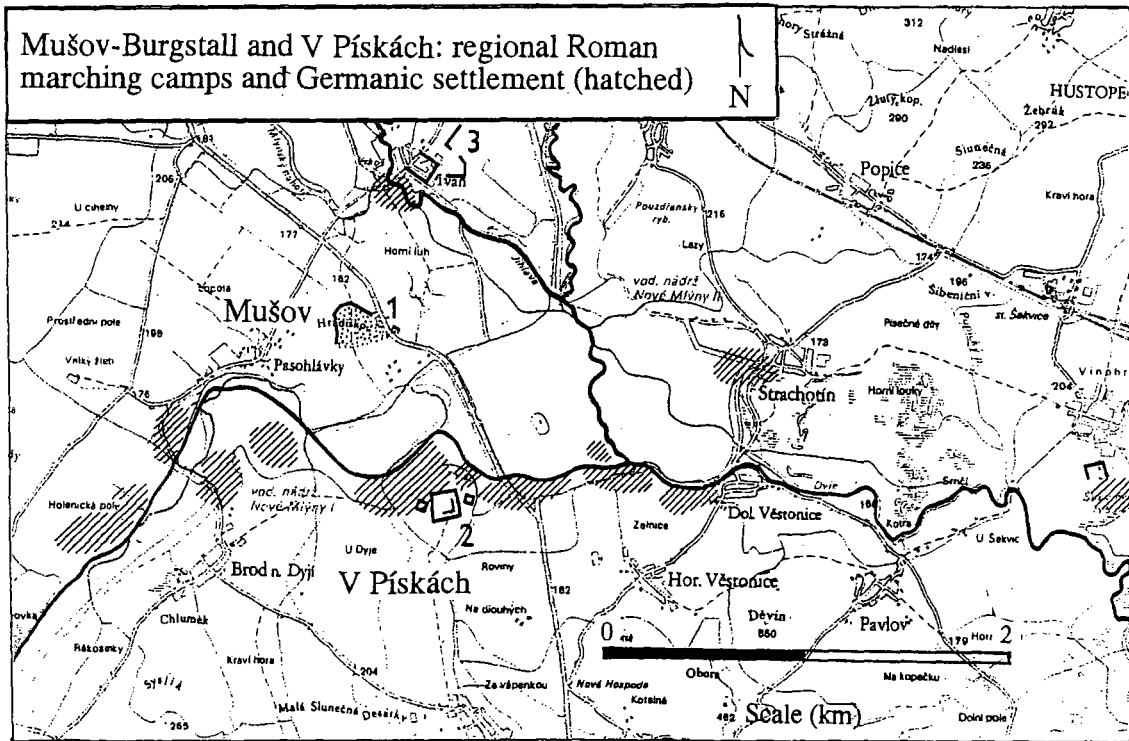
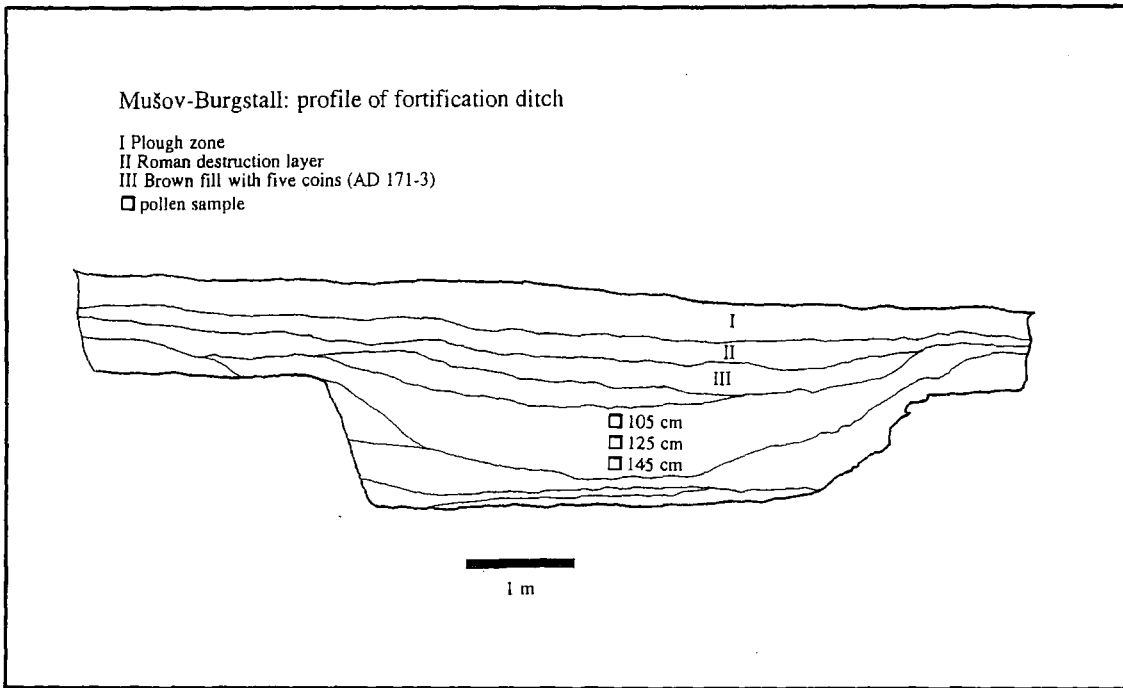


Fig. 65. Mušov-Burgstall, profile of Roman fortification ditch.



Musov-Burgstall (220 m a.m.s.l.), fills of Roman fortification ditch

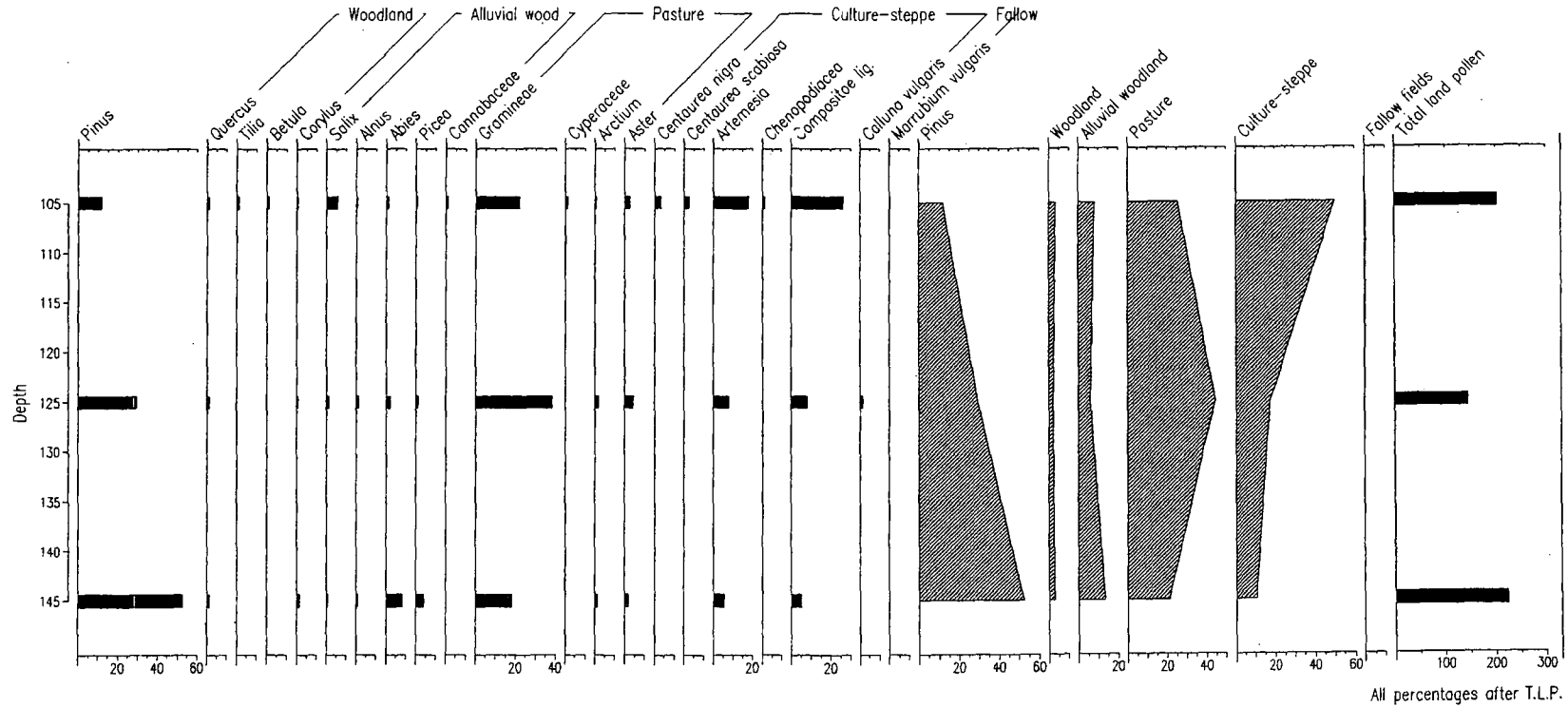


Fig. 66. Mušov-Burgstall pollen diagram.

Fig. 67. V Piskách, photo of v-shaped Roman fortification ditch from which pollen samples were taken.



Na Piskch (180 m a.m.s.l.), fills of Roman fortification ditch intersecting Germanic settlement

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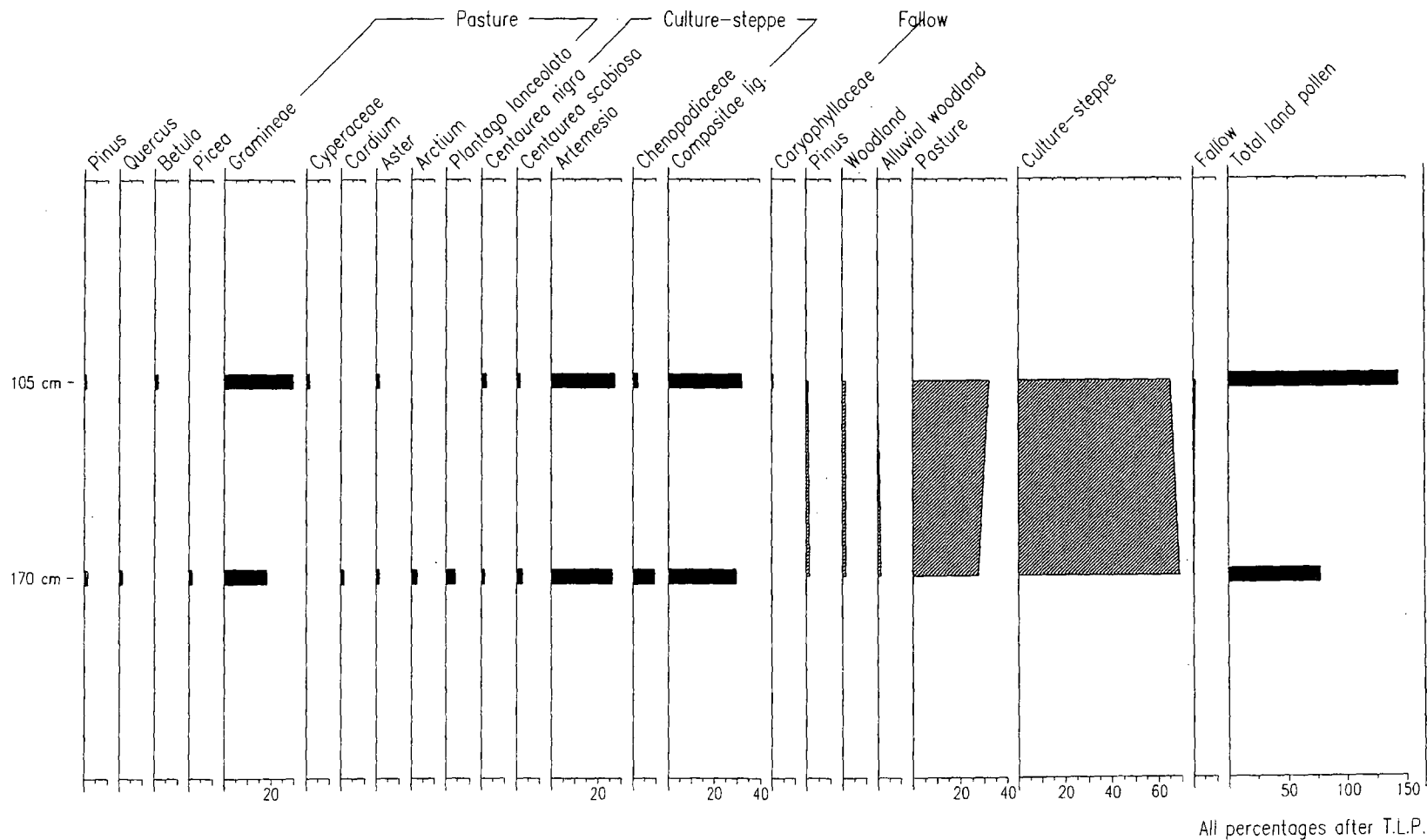


Fig. 68. V Piskach pollen diagram.

Fig. 69. Můžla Jurský Chlm, location of archaeological pollen sites (Sections 2-3).

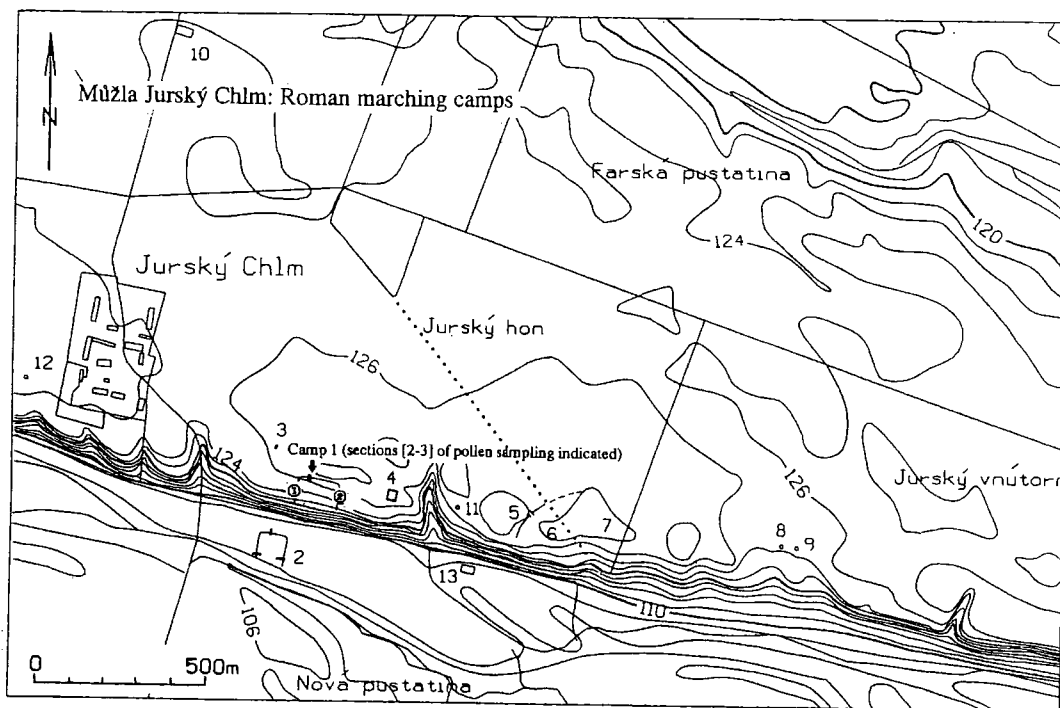


Fig. 70. Můžla Jurský Chlm, profile of Roman fortification ditch in Section 2.

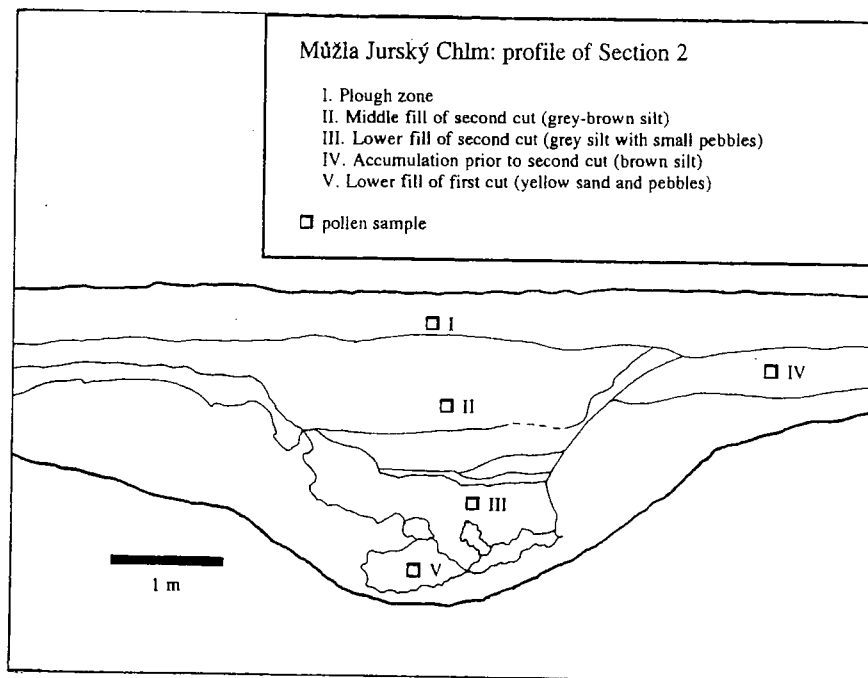


Fig. 71. Můžla Jurský Chlm, pollen diagram of Section 2.

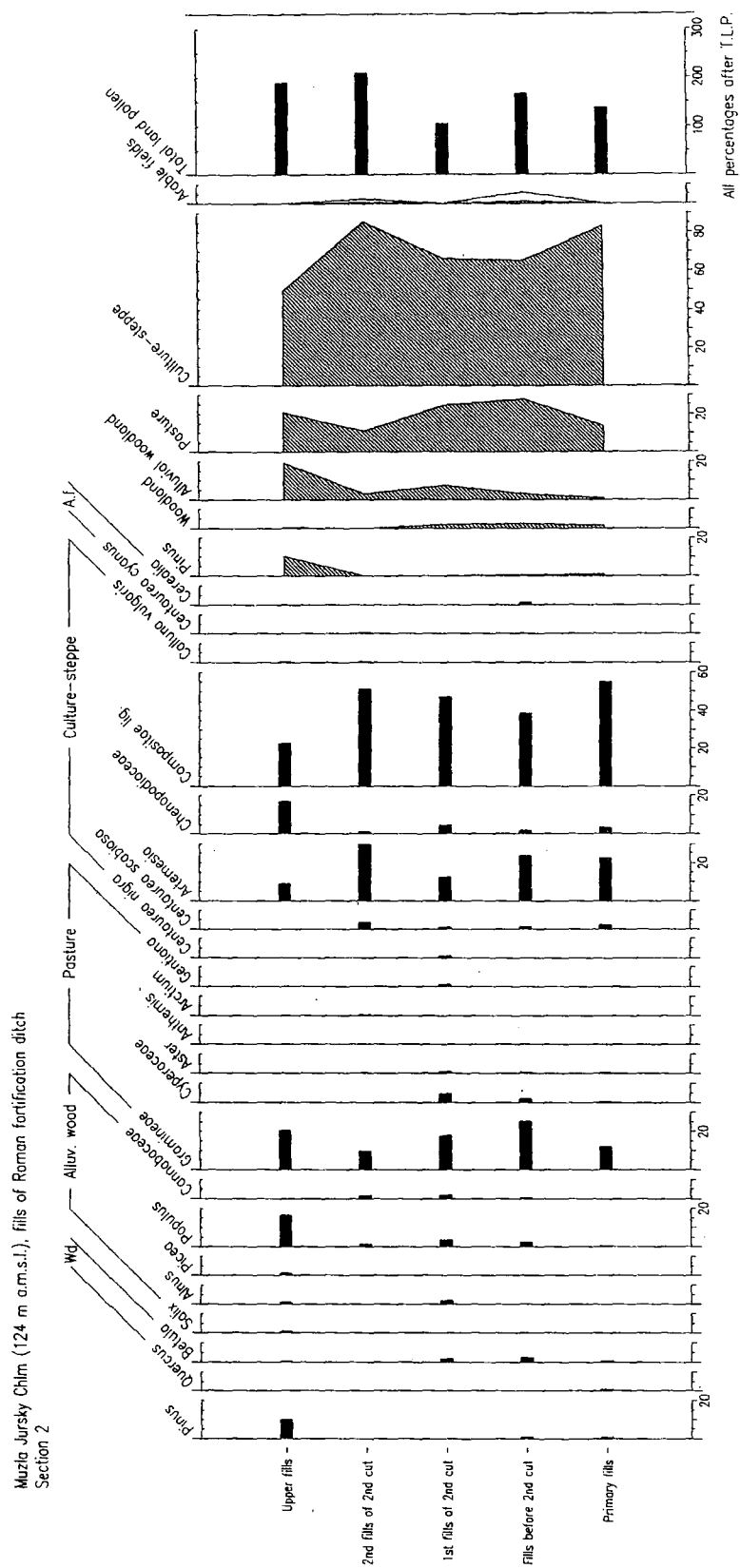


Fig. 72. Můžla Jurský Chlm, profile of Roman fortification ditch in Section 3.

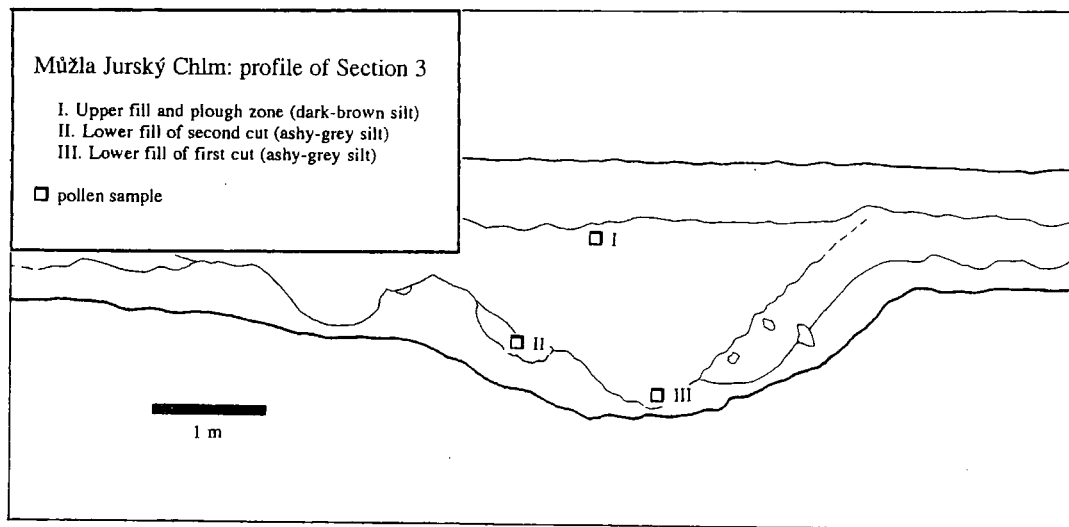


Fig. 73. Můžla Jurský Chlm, pollen diagram of Section 3.

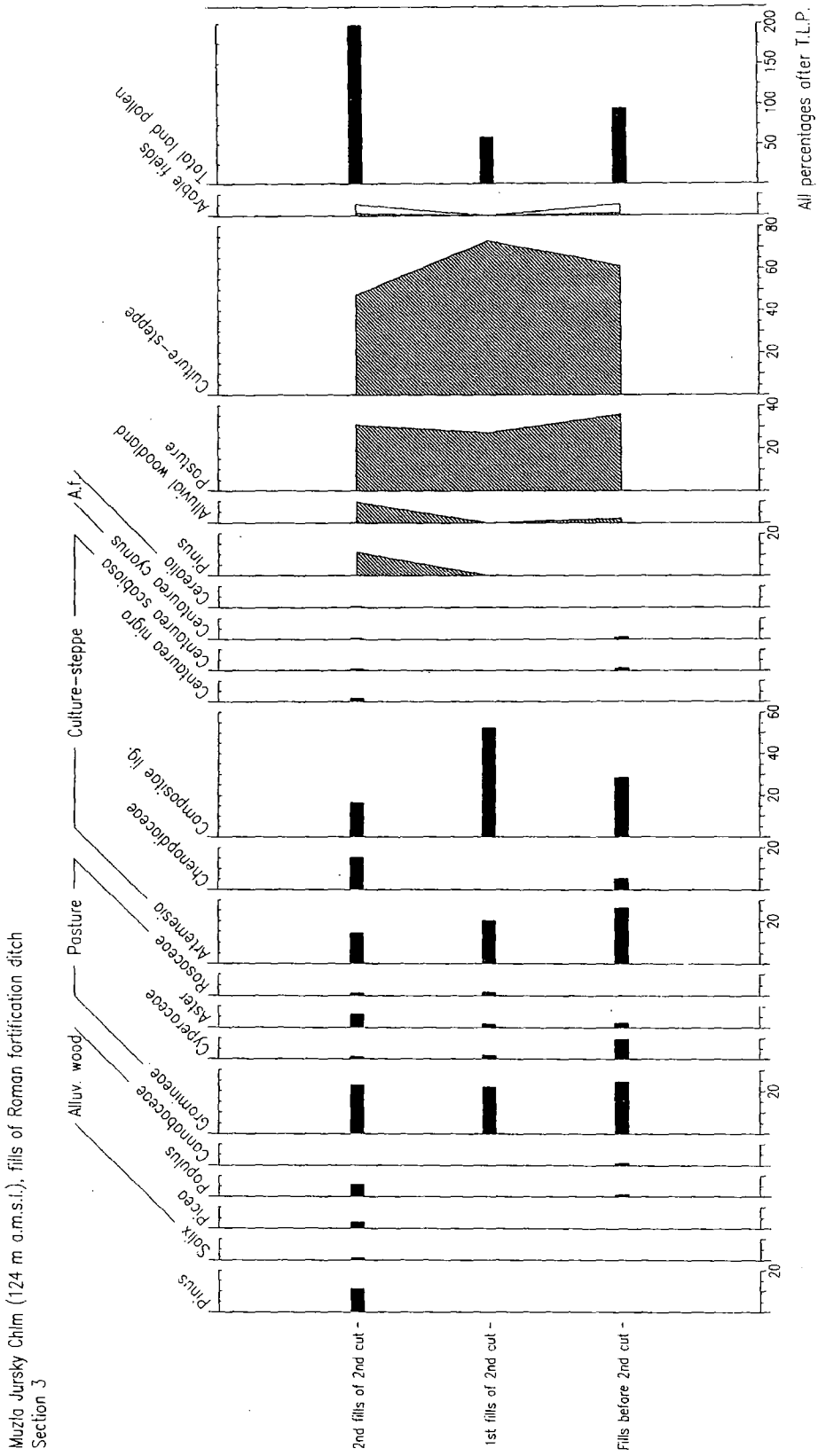


Fig. 74. Radvaň nad Dunajom, location of Roman marching camp.

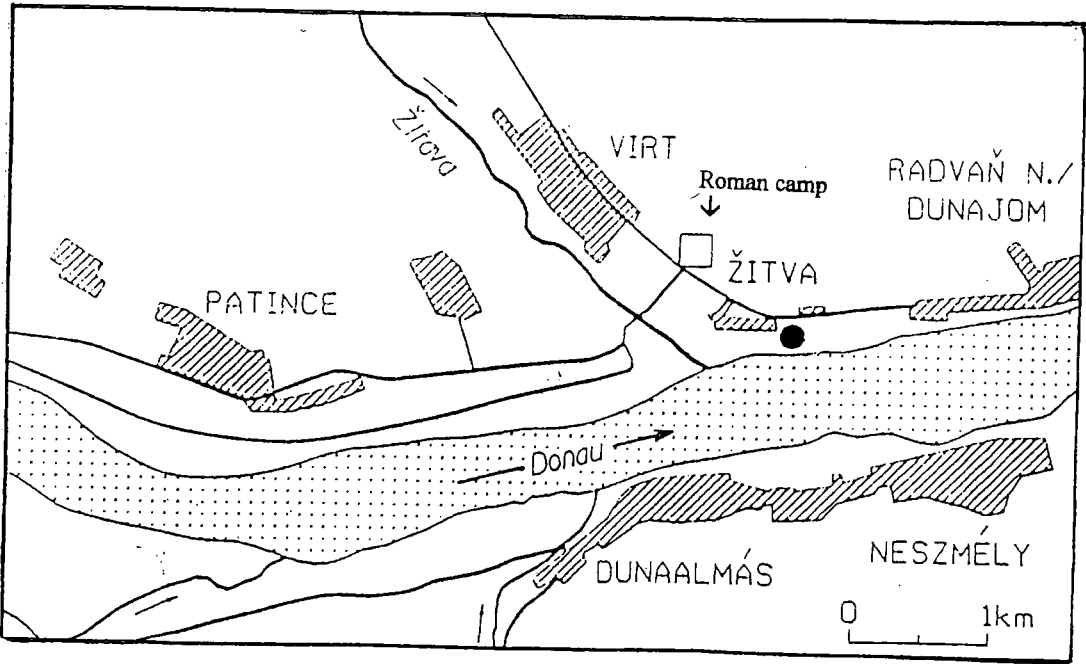


Fig. 75. Radvaň nad Dunajom, profile of v-shaped Roman fortification ditch.

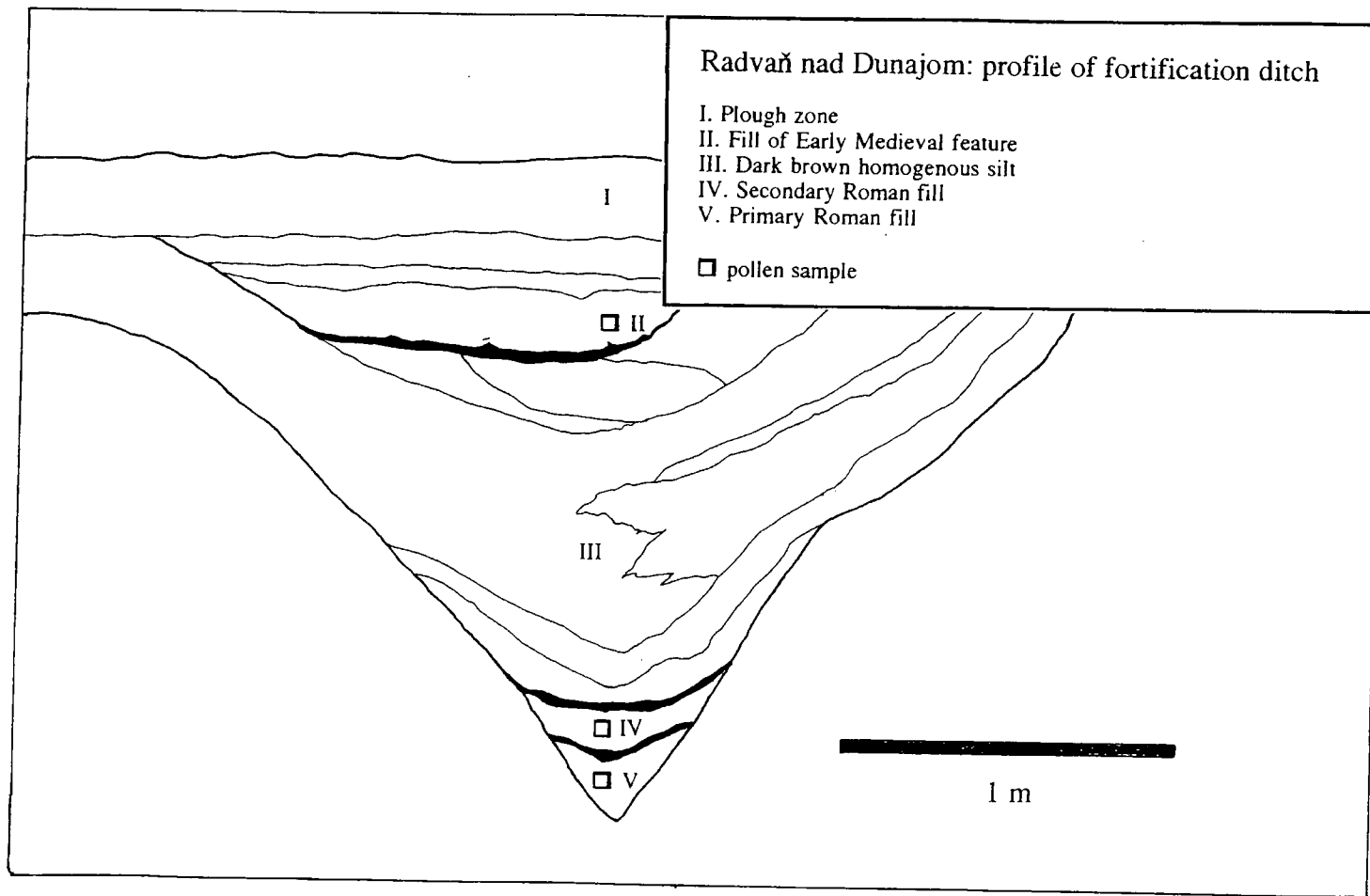


Fig. 76. Radvaň nad Dunajom pollen diagram.

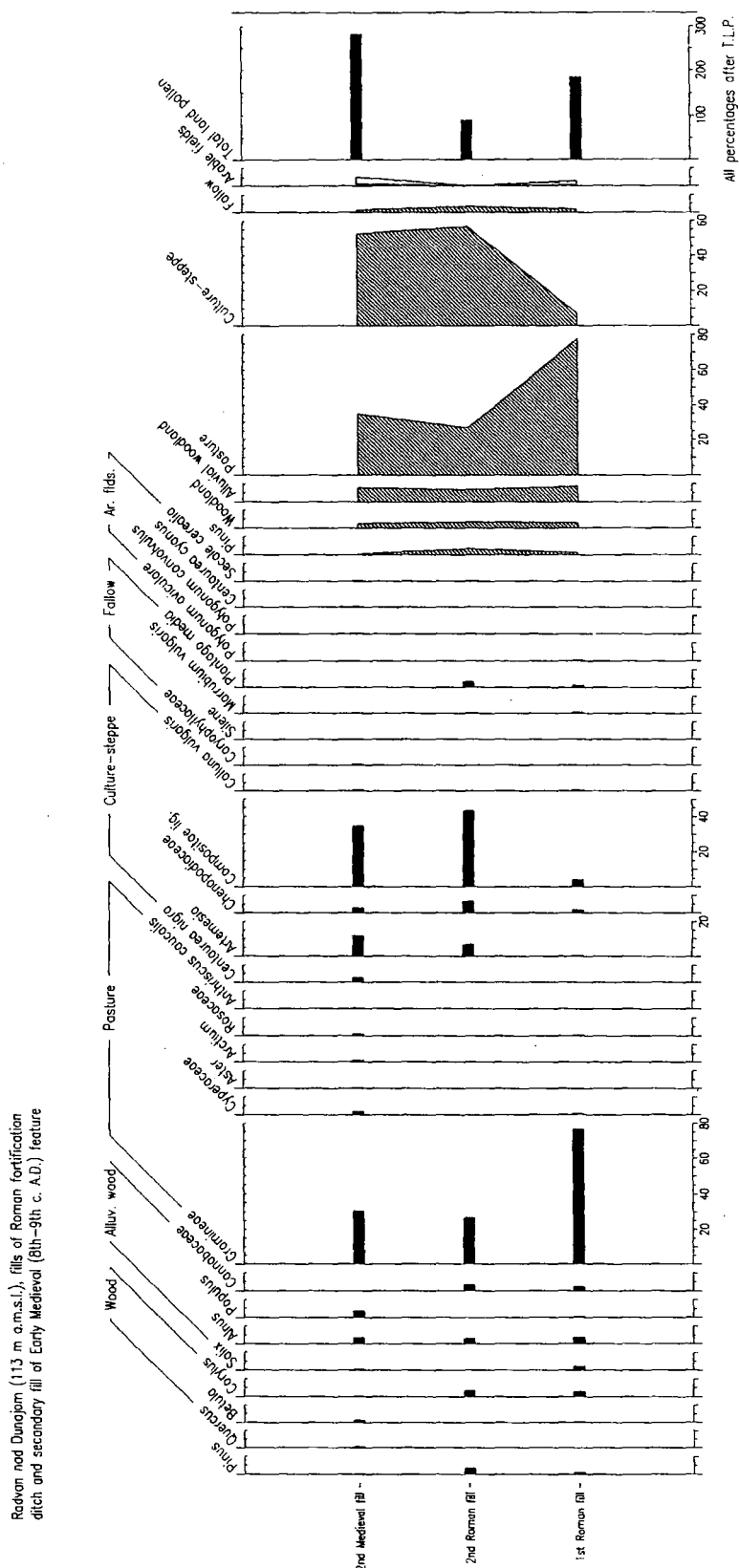


Fig. 77. Eneolithic sites in Bohemia.

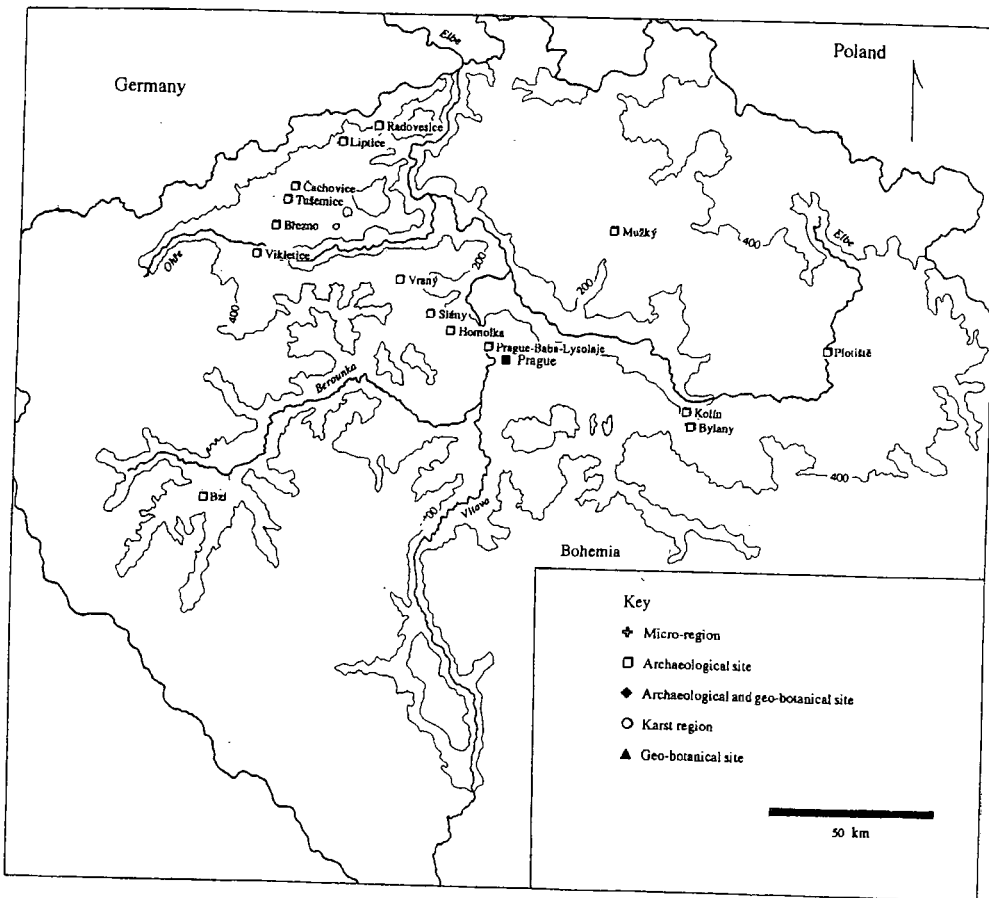


Fig. 78. Eneolithic sites in Moravia and Slovakia.

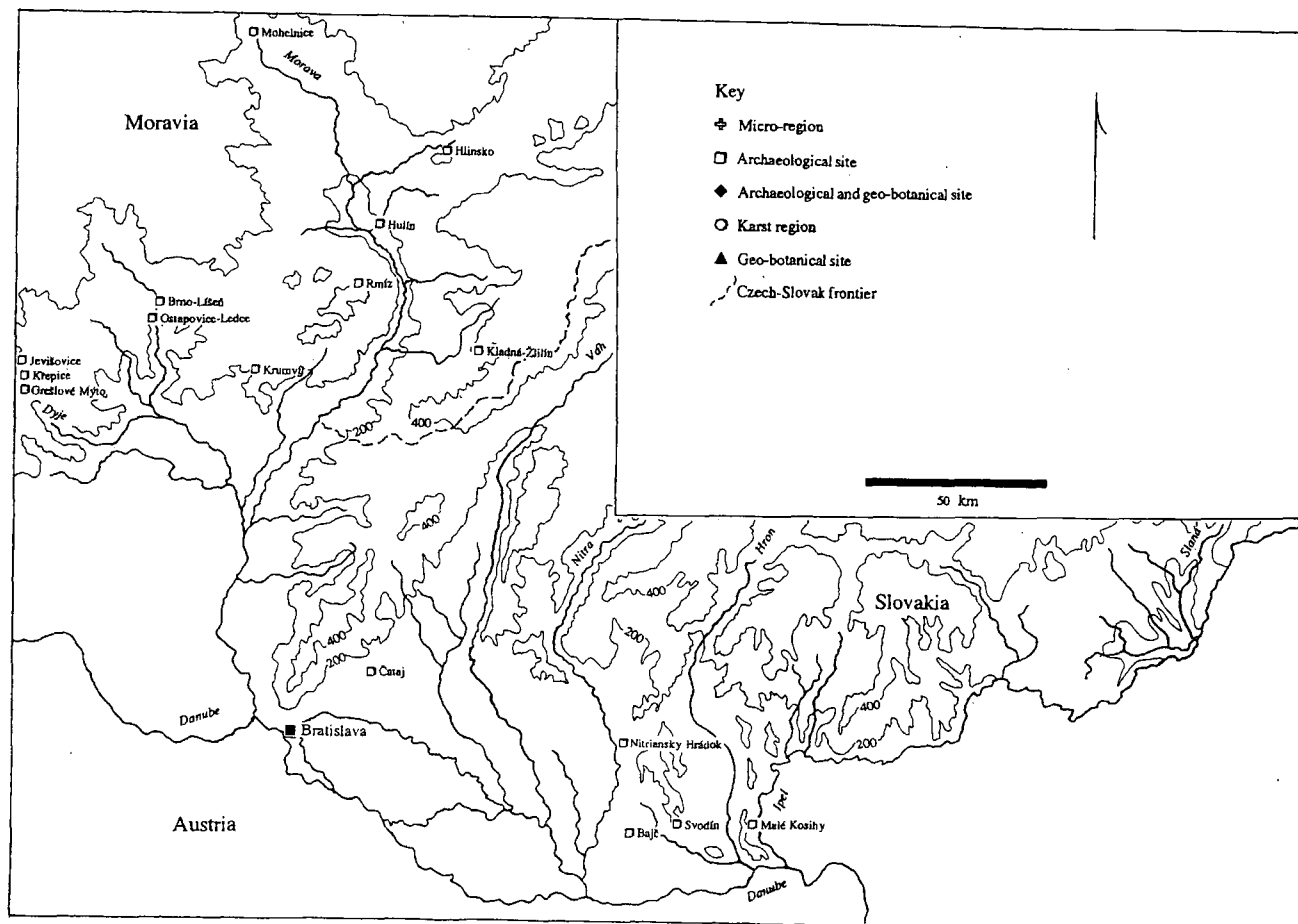


Fig. 79. Baalberg pottery depot from Božice, Southwest Moravia (after Podborský 1993). Note that the periodisation of the Funnel Beaker Culture in the Czech Republic follows primarily from closed finds in earth and stone burial mounds, thick tel-like deposits (e.g. at Slaný and Jevišovice) and closed finds such as the Božice and Mužký ceramic depots. The pedastled cup (2) is a form derived from the Jordanov Culture, albeit lacking in decoration. Note the general poverty of decorative attributes on Baalberg pottery. Multiple lugs on vessels 6 and 8 are also typical of the Michelsberg Culture. Obviously, a low attribute density makes cultural if not chronological definition problematic in flat-site assemblages, a problem compounded by the polythetic quality of Early Eneolithic material culture assemblages in general.

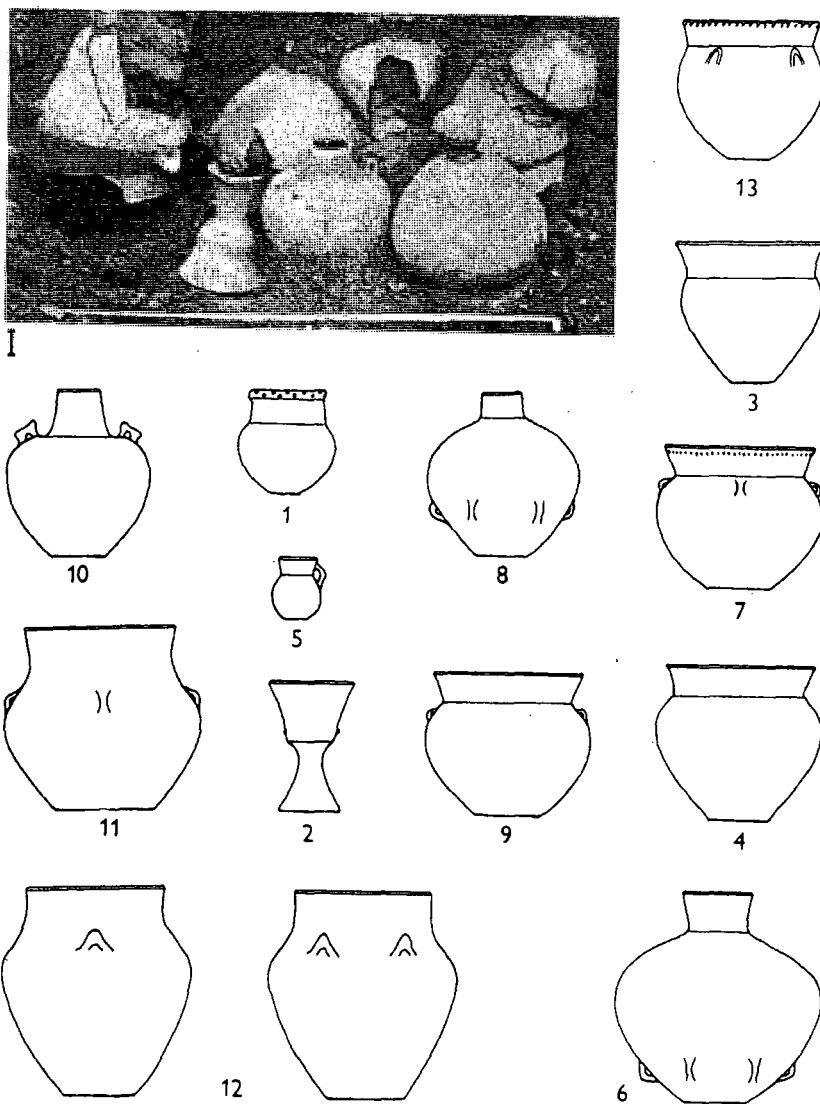


Fig. 80. Rmíz by Láskov, site plan of hill-fort of the Funnel Beaker Culture in Moravia (after Podborský 1993).

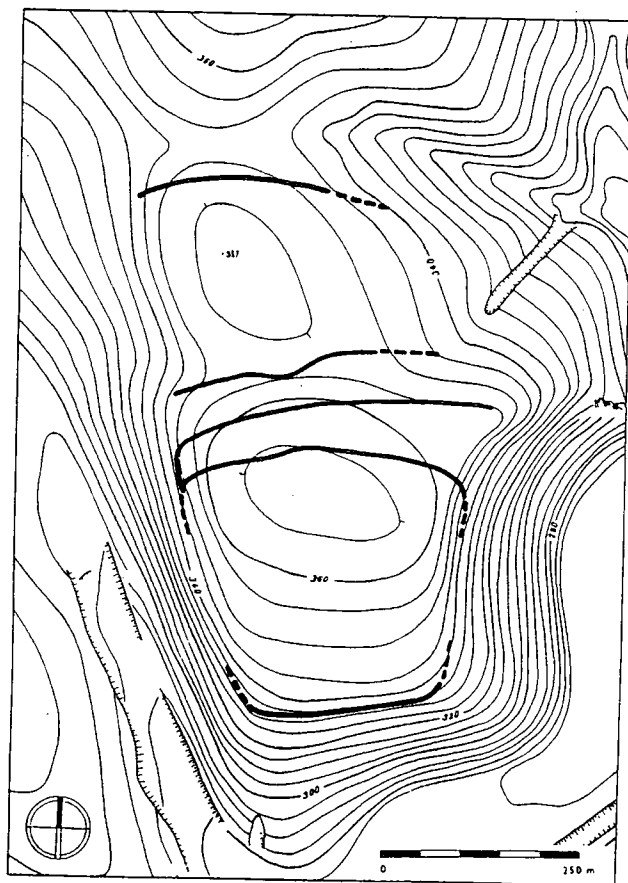


Fig. 81. Prague-Baba, Funnel Beaker site excavation map (after Havel 1986). Excavation blocks are indicated by year of excavation in black. Geo-physical survey areas are indicated by a hatched pattern. Note that the excavated area approximates that at the Middle Eneolithic site of Homolka (see Fig. 83), although only five domestic units may be discerned at Baba. Settlement at the Funnel Beaker site is dispersed over a much wider area, however, defined by the promontory as enclosed by the ditch discovered in the 1975 excavation block.

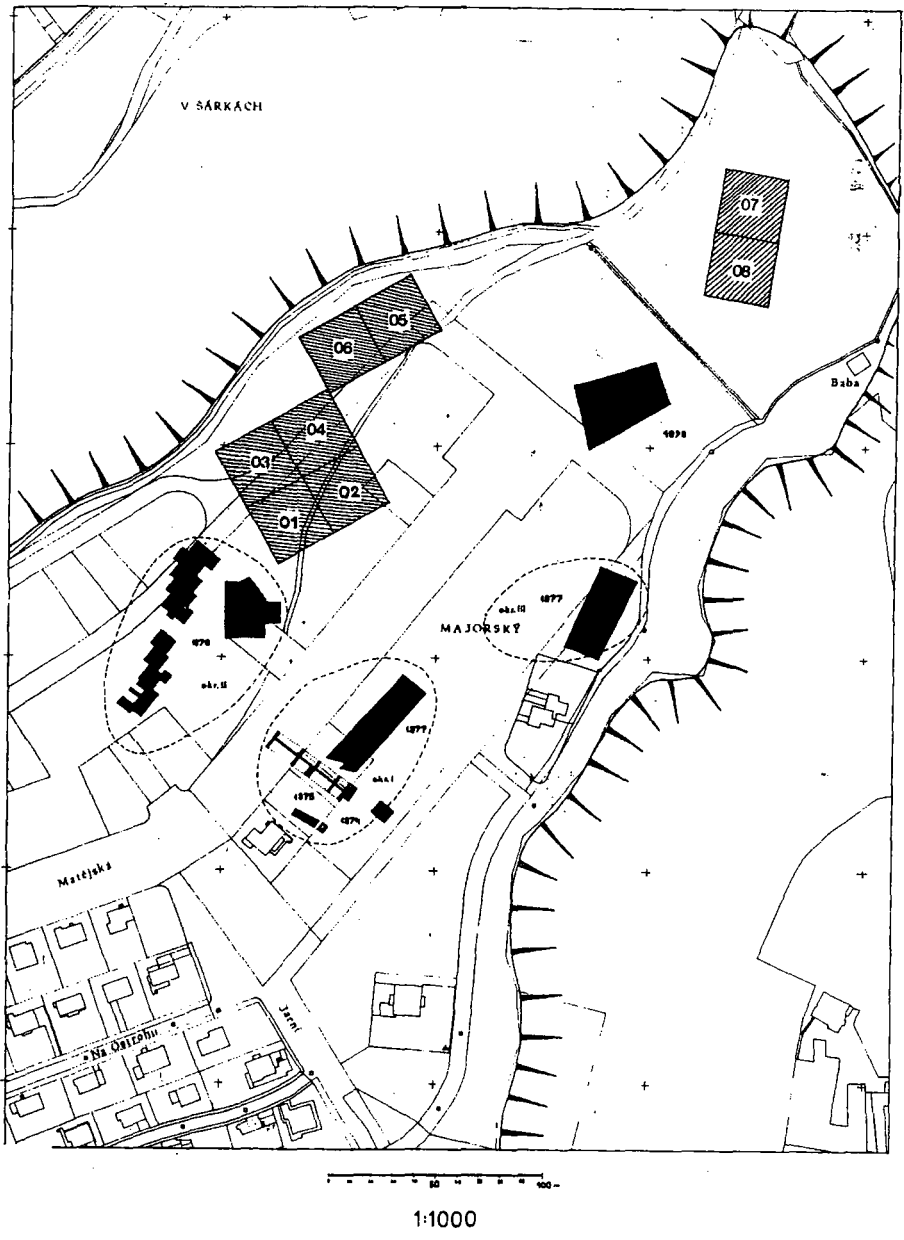


Fig. 82. Storage pit profiles from the 1976 excavations of the Funnel Beaker site at Prague-Baba (after Havel 1986).

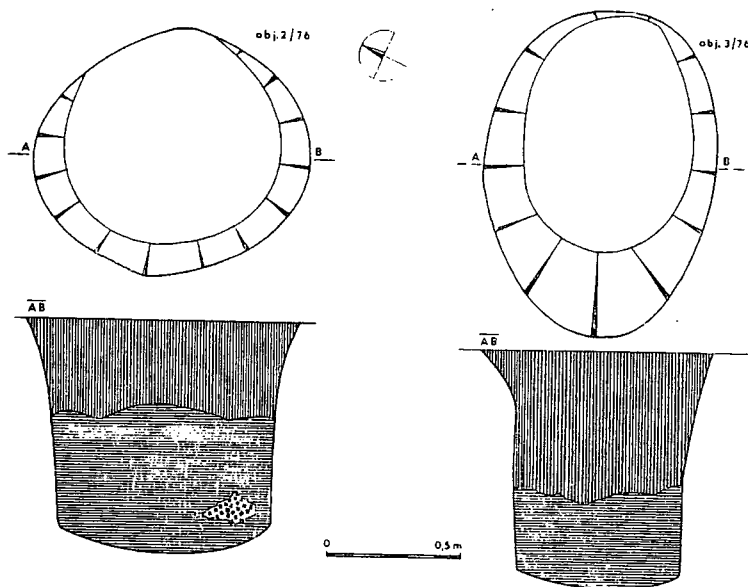


Fig. 83. Post-mould patterns of domiciles from the 1976 excavations of the Funnel Beaker occupation at Prague-Baba (after Havel 1986). Oblong pit features designated as houses by the excavator most likely served some auxiliary purpose. One storage and one oblong pit can be assigned to each domicile, producing an Early Eneolithic 2:1 ratio of sub-surface features per domicile.

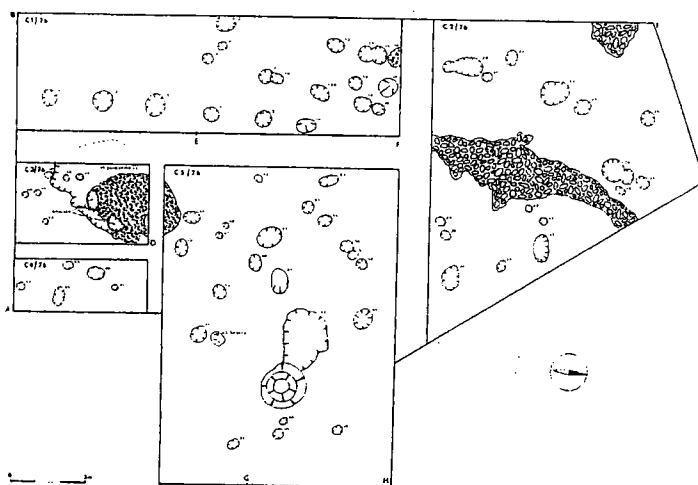


Fig. 84. Domiciles of the Middle Eneolithic period in Moravia (after Medunová-Benešová 1964 and Podborský 1993). Reconstruction of Bošáca Group house from Hlinsko on left follows a sleeper beam construction technique. A similar construction technique is evident in the case of Channeled Ware (above right) and Jevišovice Culture (below right) houses from Brno-Líšeň. In these three cases (in addition to Homolka), a ratio of one sub-surface storage pit per domicile can be observed. The same (1:1) ratio is employed in the reconstruction of minimal domestic clusters at the Middle Eneolithic occupation of Grešlové Mýto (see Chapter 9).

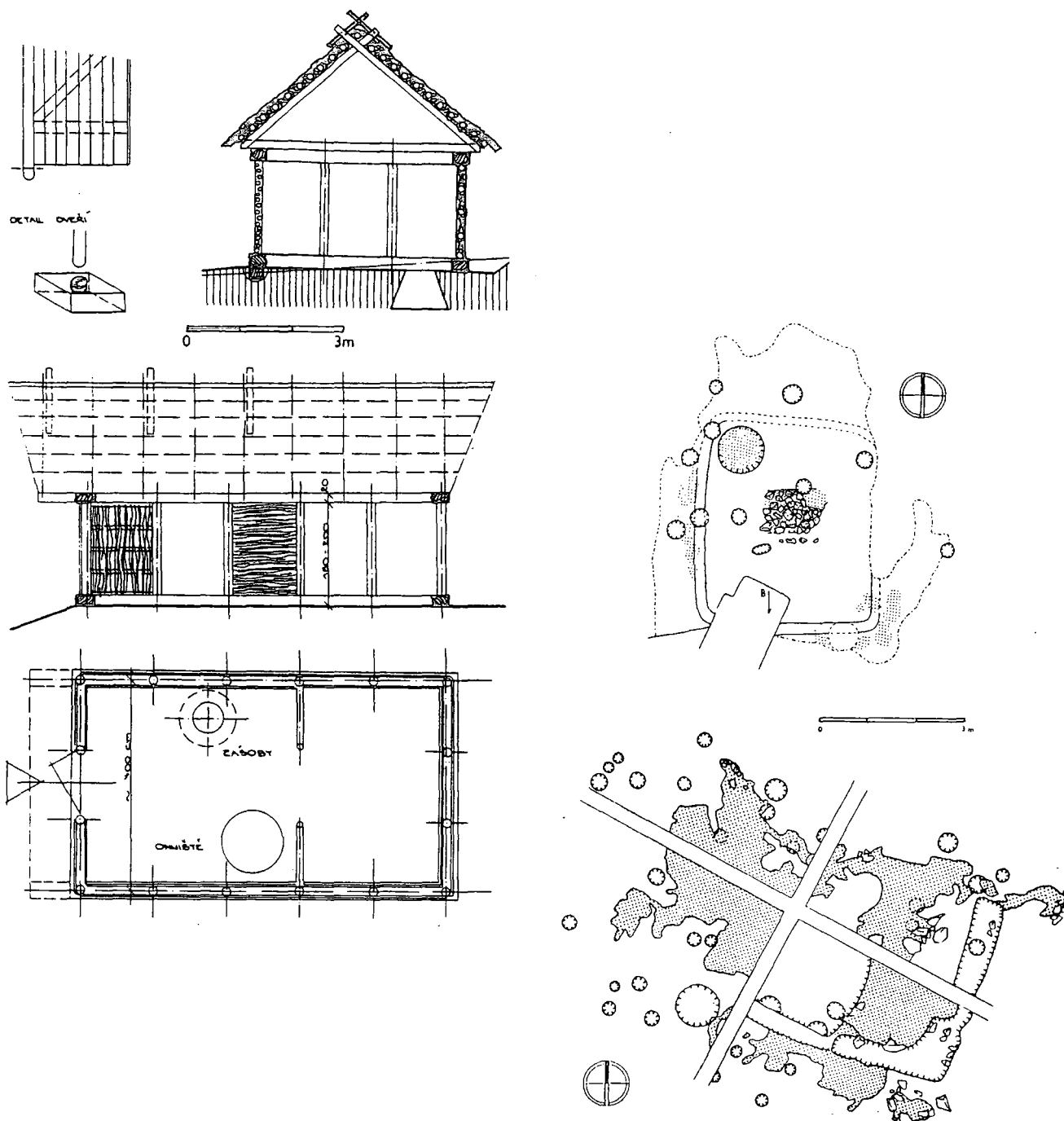


Fig. 85. Site plan of the Řivnáč Culture settlement at Homolka (after Ehrich and Pleslová-Štichová 1968). Note that preserved hut plans at the site perimeter contain an average of one substantial sub-surface feature (a storage or midden pit) per hut unit. Population estimates at the site also account for presumptive hut units (calculated after a 1:1 sub-surface feature to domicile ratio) at the eroded site centre. Note also the minor extension of the southern palisade during the second (Globular Amphora) phase of occupation.



Fig. 86. Vraný, site plan of the excavations of A. Knor (after Pleslová-Štichová 1981).

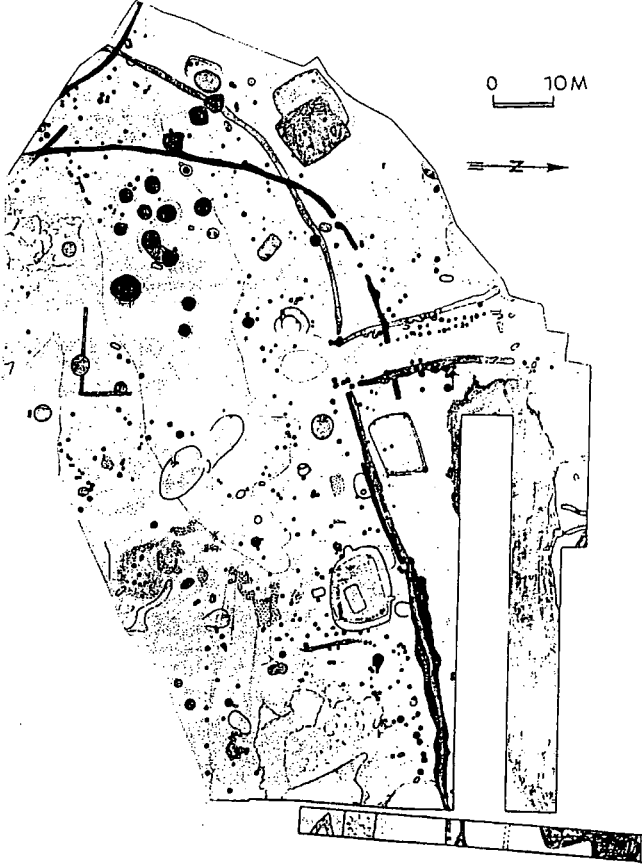


Fig. 87. Viletice, central cemetery cluster (after Buchvaldek and Koutecký 1971). Note that outlying graves recovered from a (ca.) 100 hectare area surrounding the central cluster are also included in Neustupný's (1983) demographic analysis.

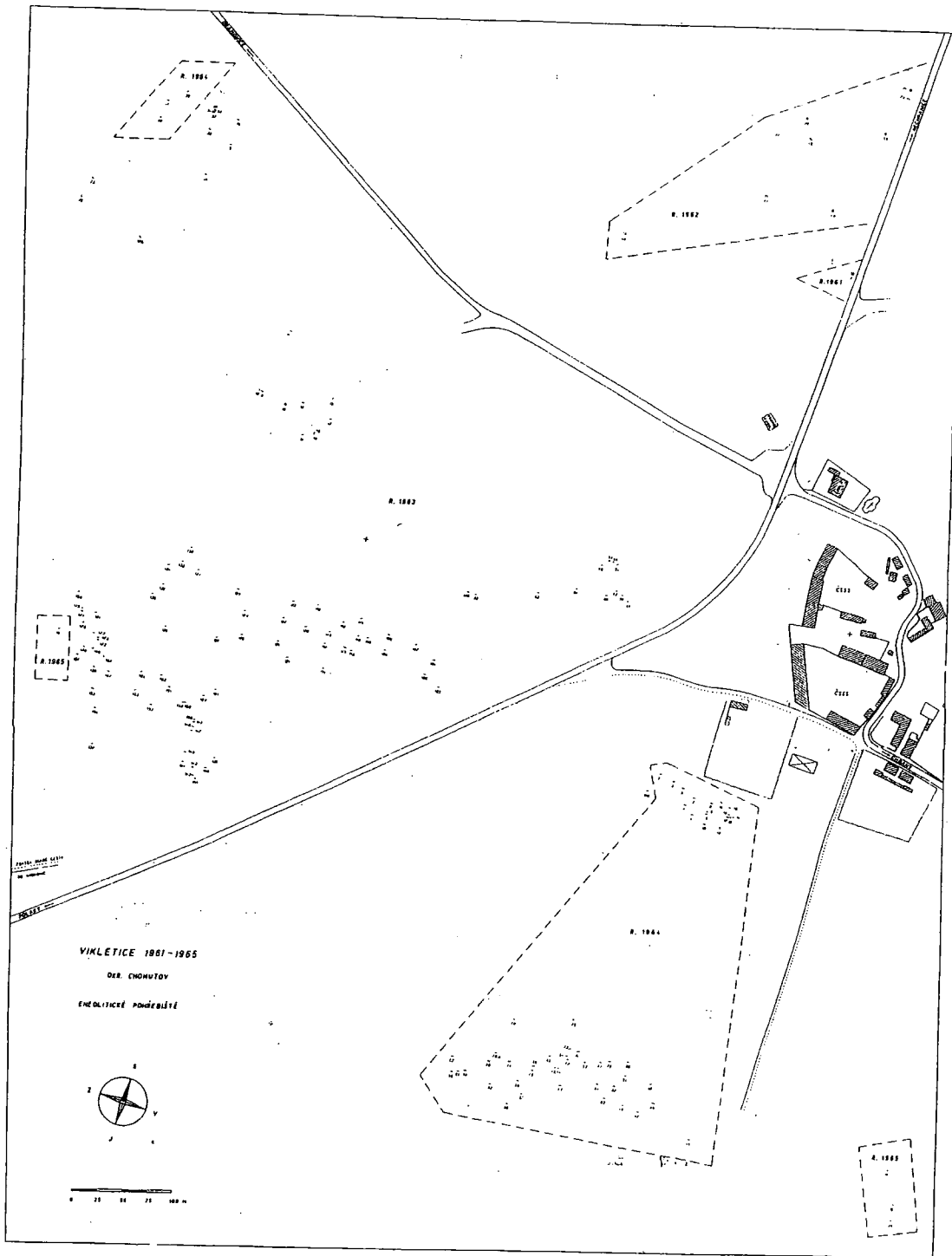


Fig. 88. Čachovice (Northwest Bohemia), Grave 14 of the Corded Ware Culture Find Group II (after Neustupný and Smrž 1989). Note the right-sided (E-W) placement of the male skeleton, common to all male Corded Ware graves in the Czech Republic. Chipped- and ground-stone axes and mace-heads are also found exclusively with male graves.

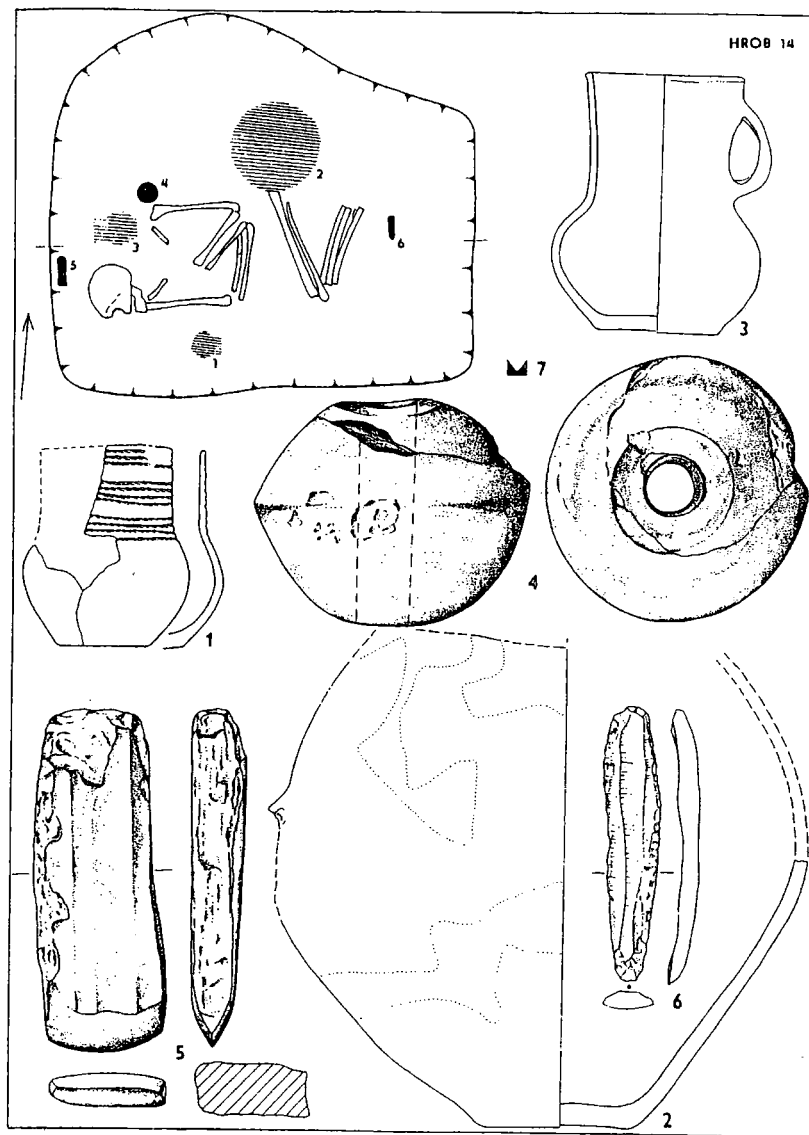


Fig. 89. Ostpovice, Grave 19/70 of the Moravian Bell Beaker Culture (after Dvořák 1992). Right-sided (N-S) inhumations are now employed for female burials, males being placed on their left. Anthropological analyses by J. Langová determined that this grave contains a young adult female, aged 20-30 years. Note that jet v-perforated buttons, boars tusks, and certain beaker types placed in the grave are more typical of male inhumations of this culture.

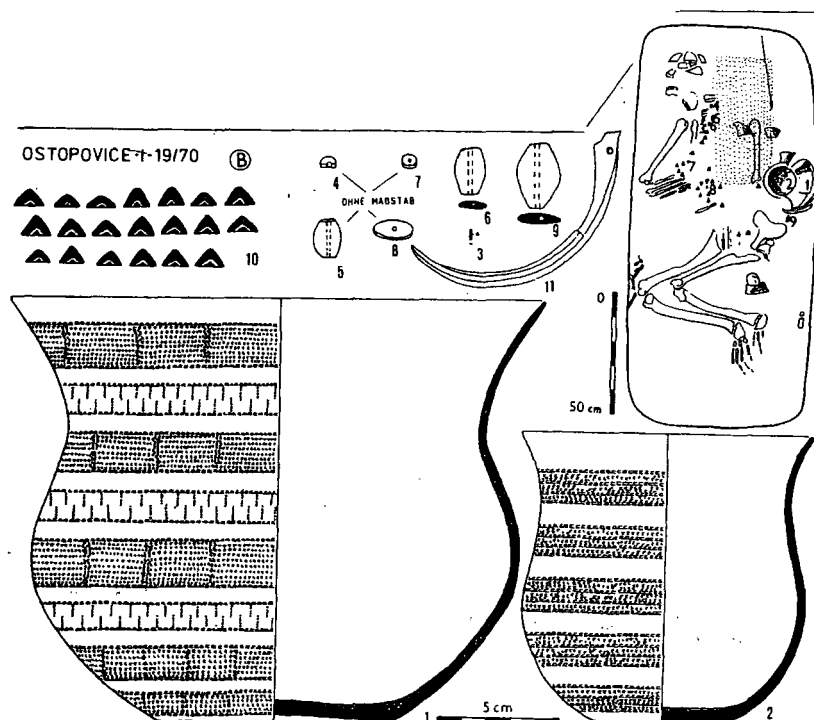


Fig. 90. Ledce, Graves 1/36 and 1/62 of the Moravian Bell Beaker Culture (after Dvořák 1992). Anthropological analyses by J. Langová determined that these dagger equipped graves contain adult females. Note that these copper daggers are smaller than the modal average for this culture, suggestive of their symbolic role towards the ascription of a generalised social rank rather than a specific warrior-hunter status to the dead.

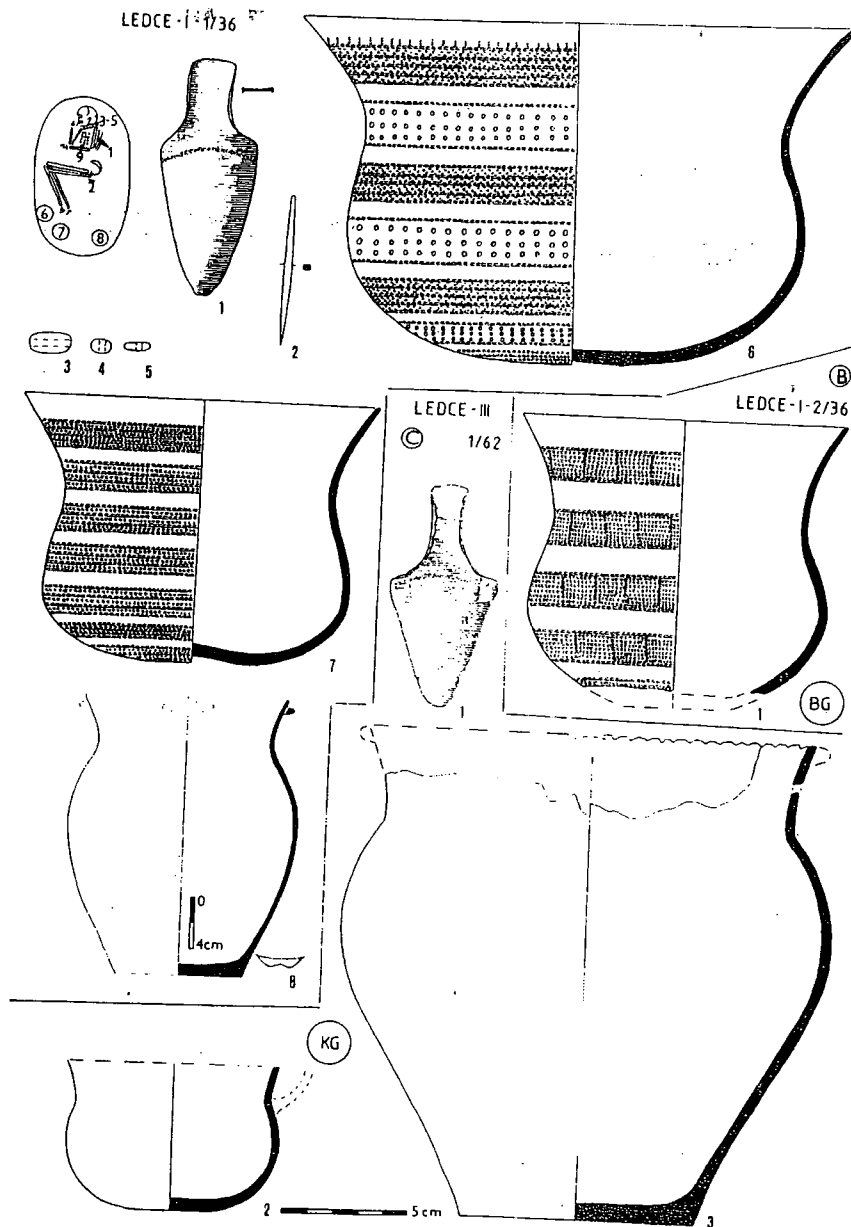


Fig. 91. Radovesice, Grave 116 of the Bell Beaker Culture in Northwest Bohemia (after Teplice Museum n.d.). A right-sided (female?) inhumation with a copper awl, a small copper dagger, gold head band (3), banded beaker and handled metoped beaker (a late type). A male hunter-warrior grave (117) lies by this relatively spacious burial pit. A similar gold band has also been found in a Late Bell Beaker chambered tumulus at Tvořihřáz in South Moravia.

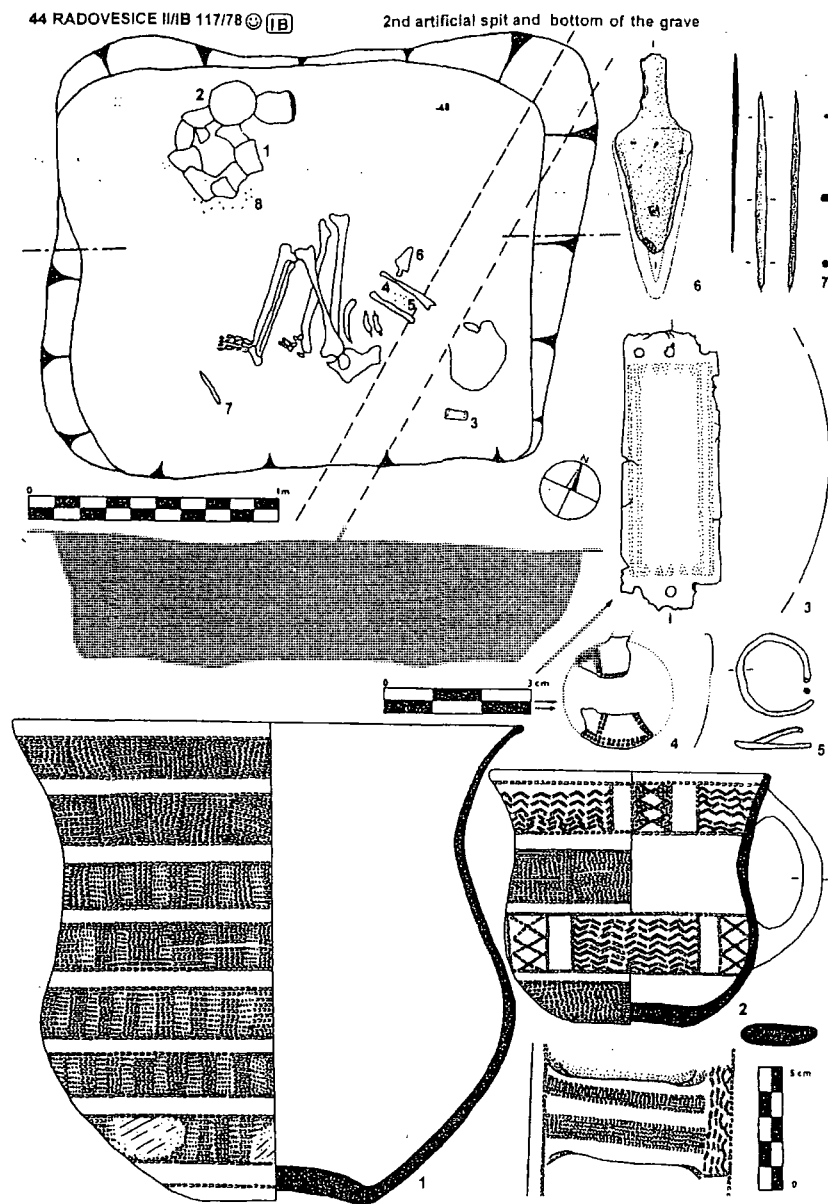


Fig. 92. Liptice, hut feature 11/82 of the Late Bell Beaker Culture with Begleitkeramik finds from culture pit 9-10/82 (after Teplice Museum n.d.).

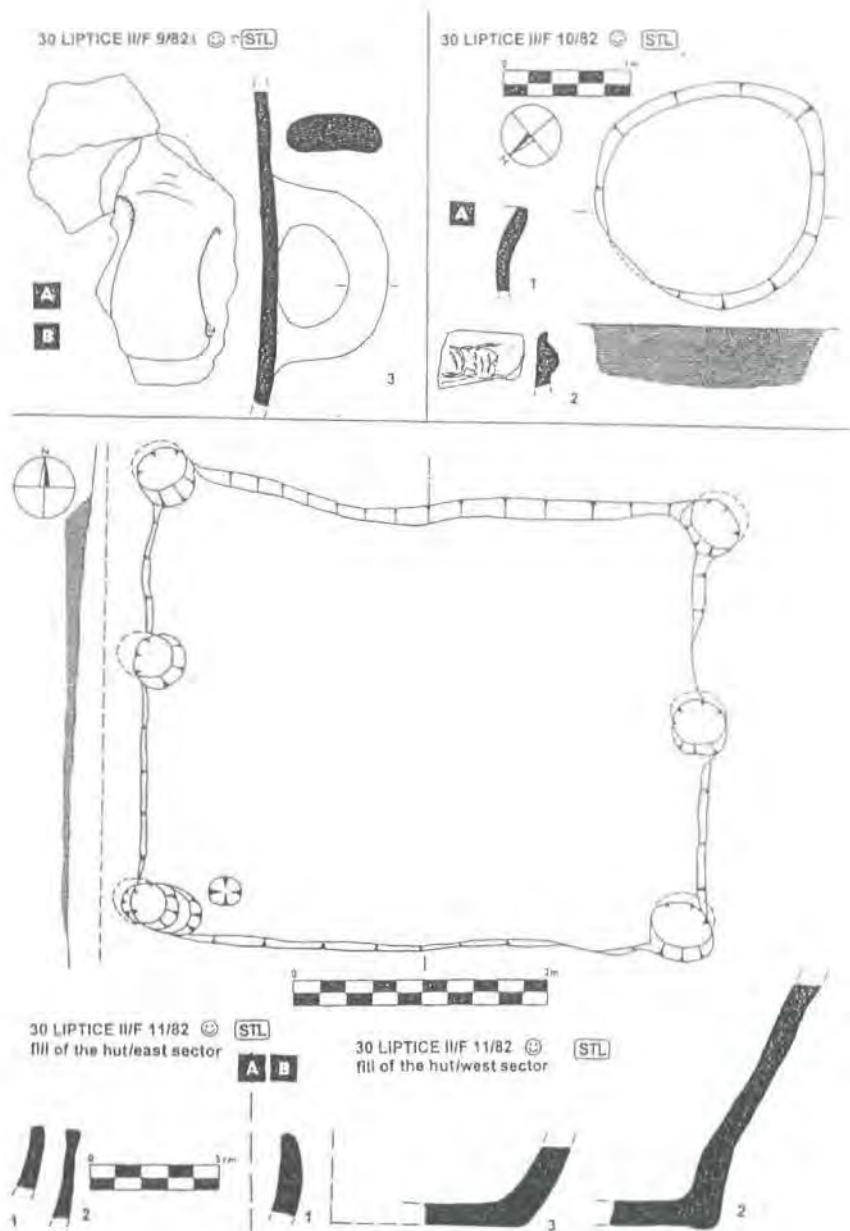


Fig. 93. Bzí (Southwestern Bohemia), collection of ground-stone celts (after Franc 1906). Note that celt and axe production increases dramatically during the Eneolithic, perhaps as demanded by more extensive land-use patterns which required the felling of larger tracts of woodland.

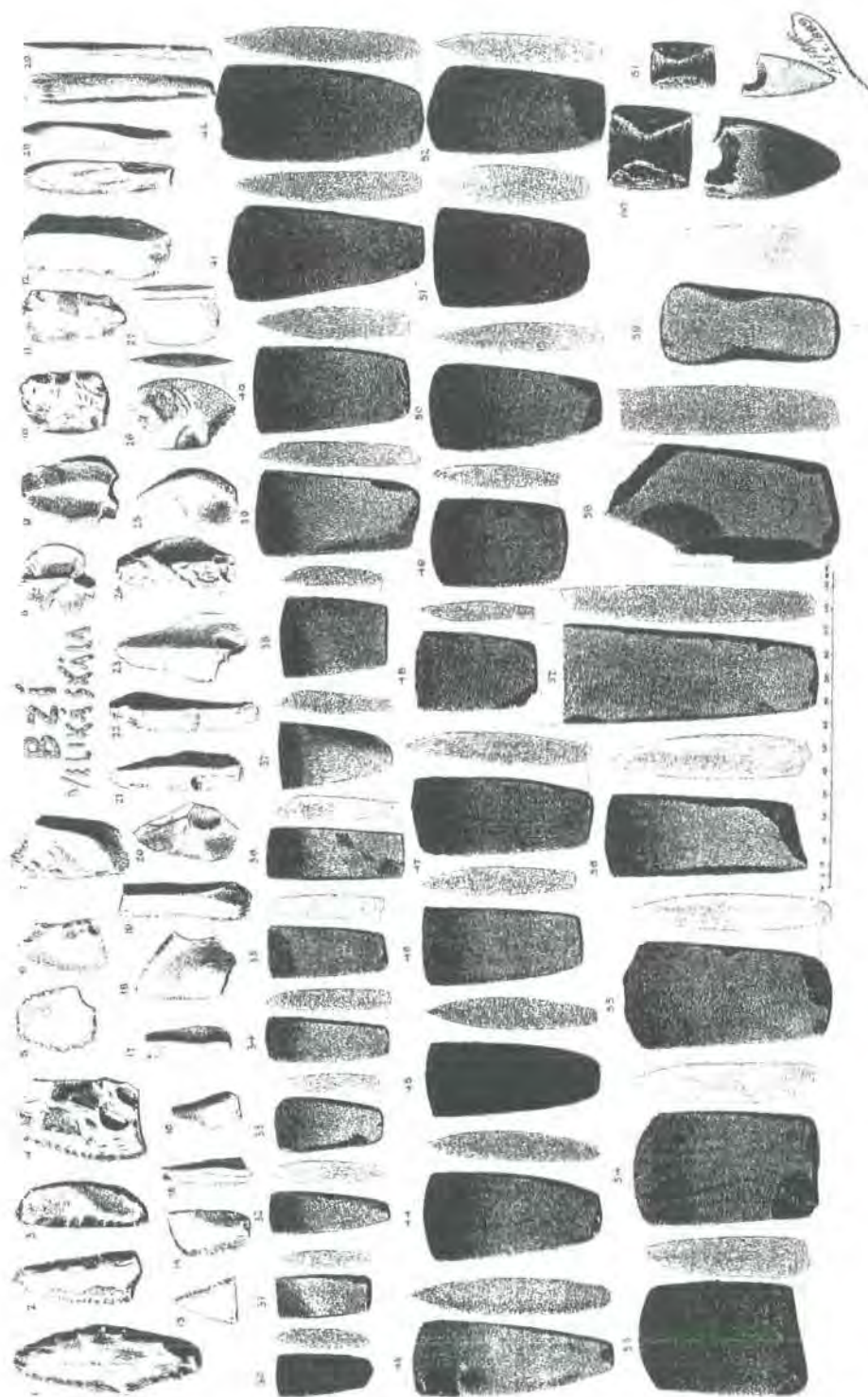


Fig. 94. Bronze Age sites in Bohemia.

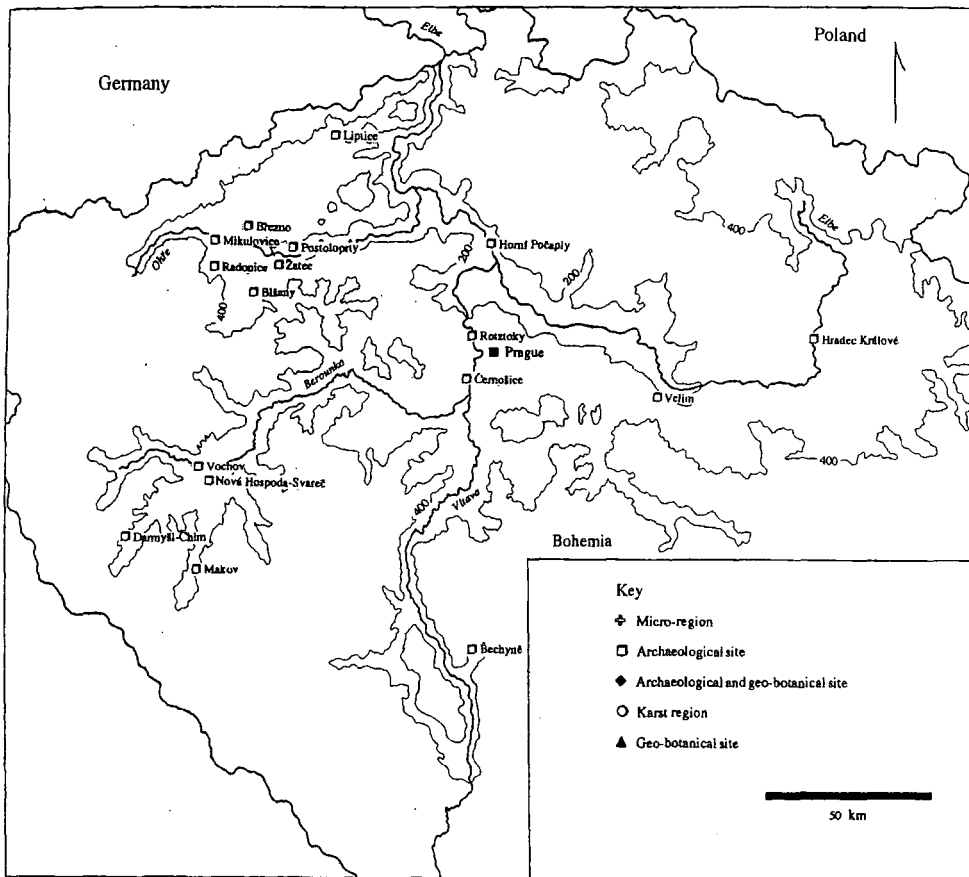


Fig. 95. Bronze Age sites in Moravia and Slovakia.

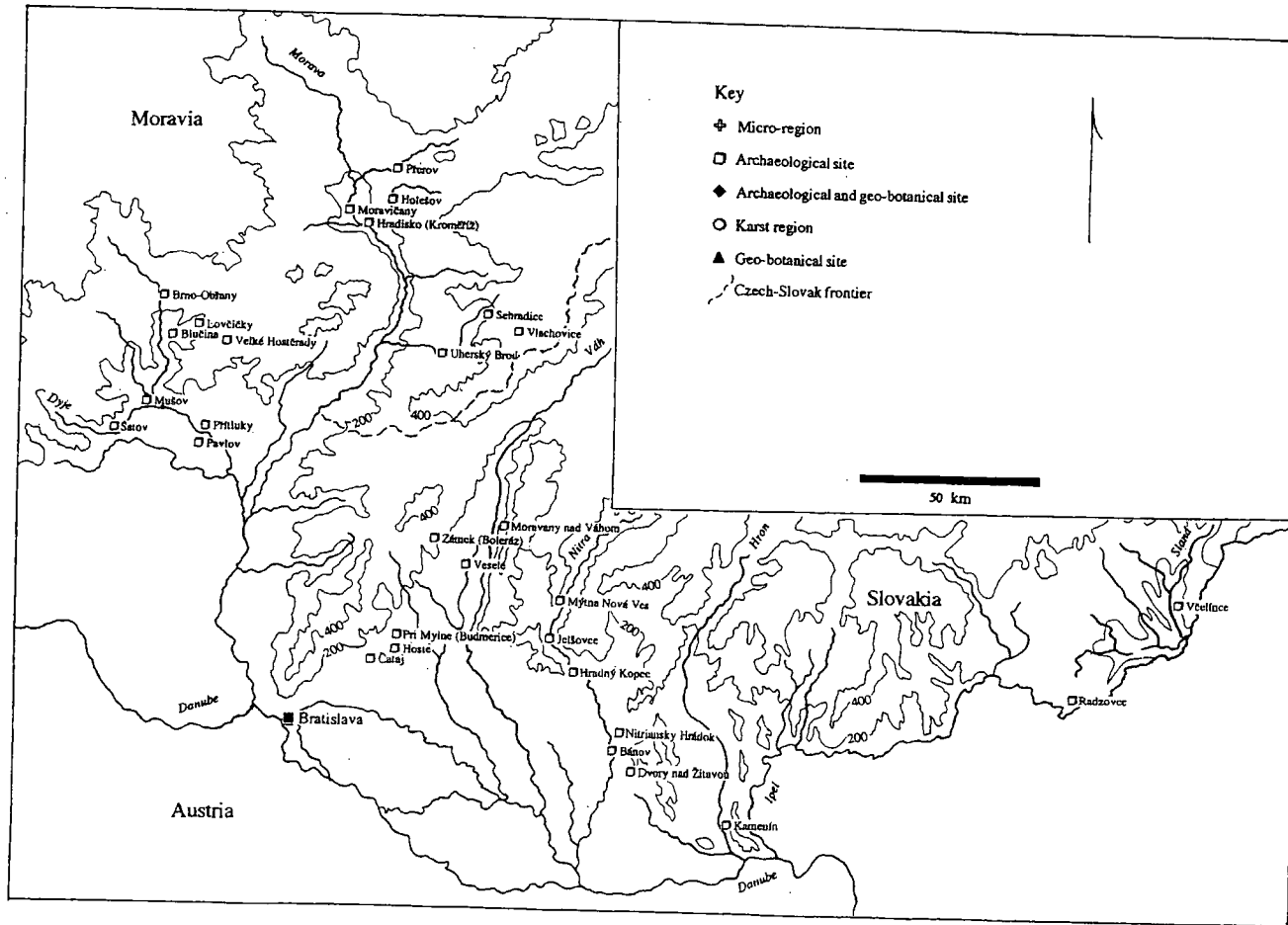


Fig. 96. Jelšovce, Grave 444 of the Late Nitra Culture (after Bátor 1990). Note wooden subterranean chamber and above-ground funerary structure. The so-called frog position (cf. stirrup-less riding position) of this burial has antecedents in the Eastern Carpathian Basin, and might reflect the influence of horse using groups in the latter region.

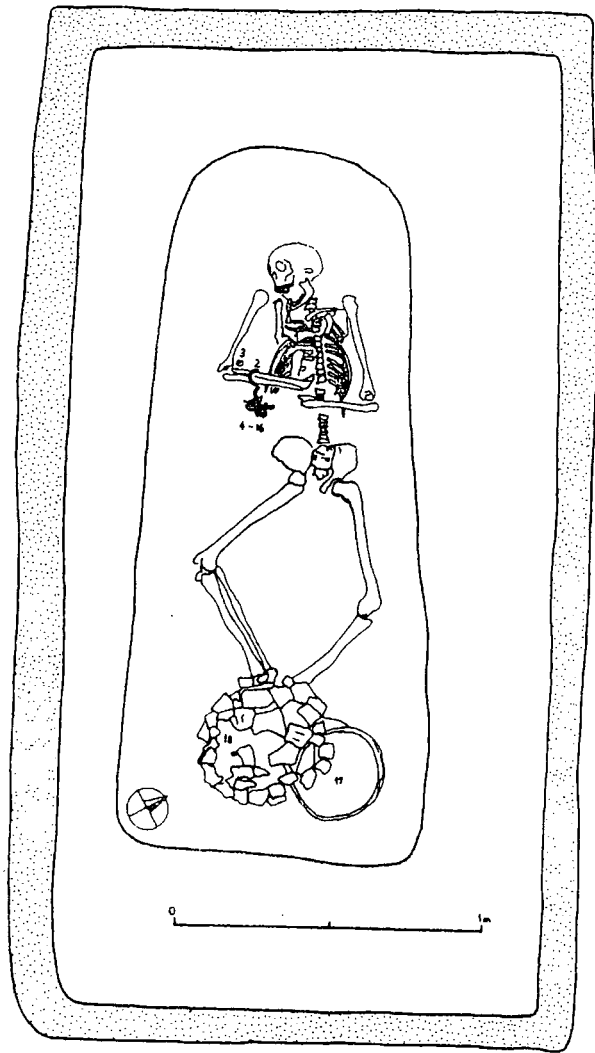


Fig. 97. Nitriansky Hrádok, interior reconstruction and floor plan of hut from Sector G/19 (after Točík 1981). Note the presence of substantial clay oven in house interior.

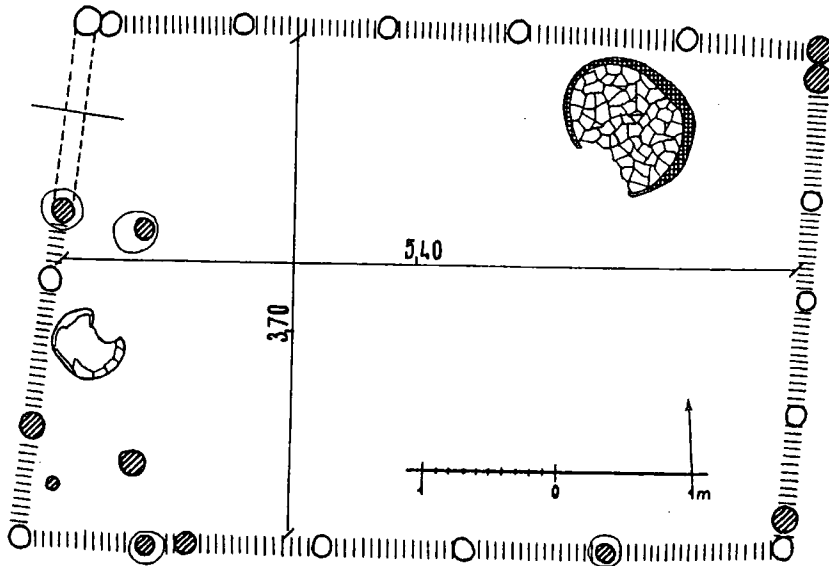
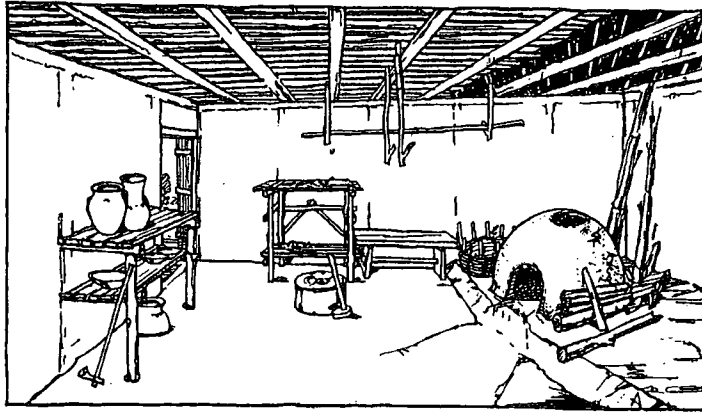


Fig. 98. Nitriansky Hrádok, floor plans of huts from sectors H/23-4 (after Točík 1981). Note the differential erosion of clay floors (dashed hatching) and post-moulds (not preserved in the above hut). Clay ovens remains (after pattern in previous figure) are well preserved in both cases.

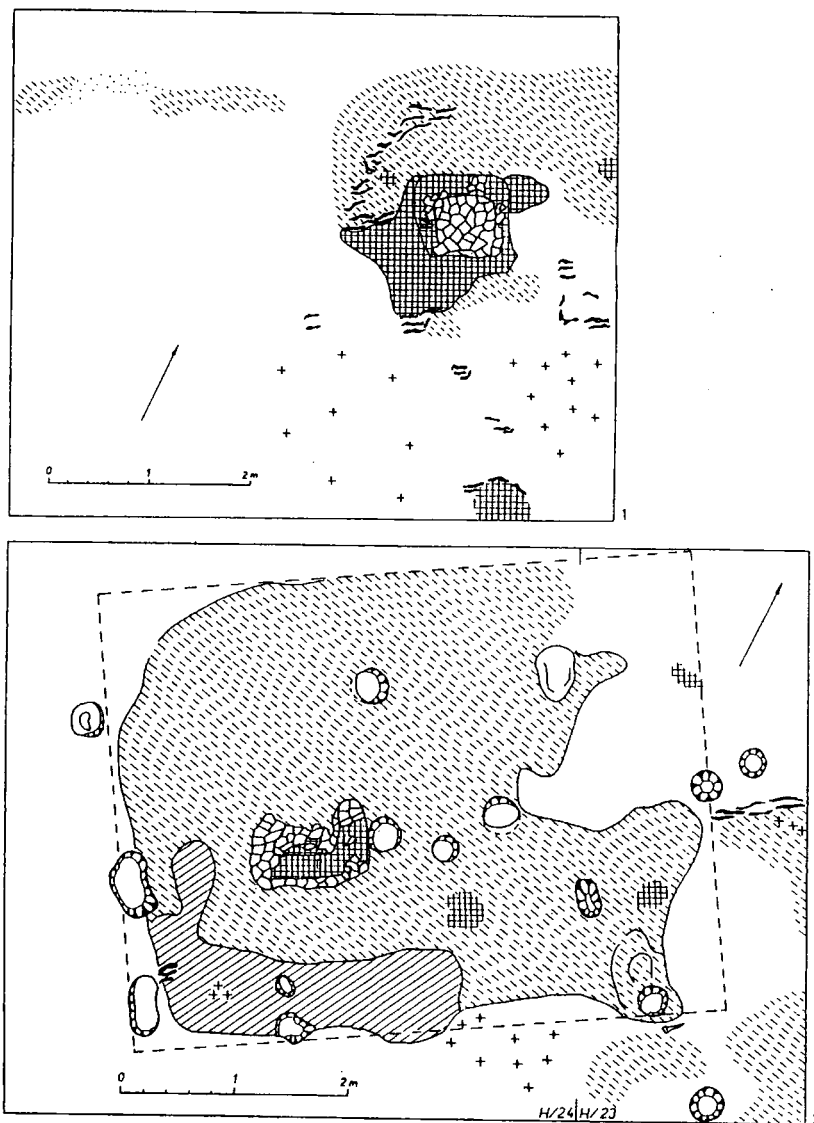


Fig. 99. Classical Mad'arovce Culture settlement in Nitra City (adapted from Bátor 1993).

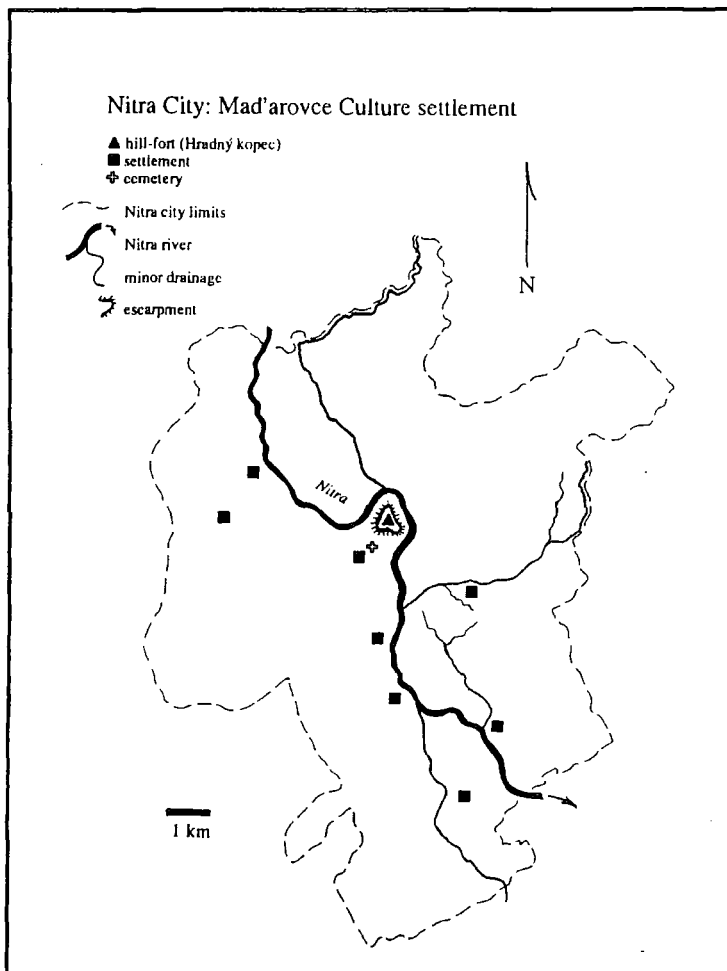


Fig. 100. Moravian Věteřov Culture storage pits with inhumation burials (after Stuchlík 1992). The adult male skeleton from Budkovice (above) lies in ritual position, while that of an older adult male from Pavlov (below) appears to have been cast into the pit with little ceremony. Note the circular fracture on the otherwise pristine skull from Pavlov. Similar skull fractures occurring on earlier Nitra Culture burials in West Slovakia have been determined to reflect deliberate para-mortal impacts. Such burials in old storage pits have been discovered in 30 settlements of 149 known sites of the Věteřov Culture in Moravia, or the majority of well-excavated sites of this Classical Early Bronze Age culture.



Fig. 101. Hajek, Middle Bronze Age tumulus cemetery in Southwest Bohemia (after Franc 1906). Of the 91 tumuli recorded by F.X. Franc in 1878, less than half have survived modern farming techniques of the 20th Century.

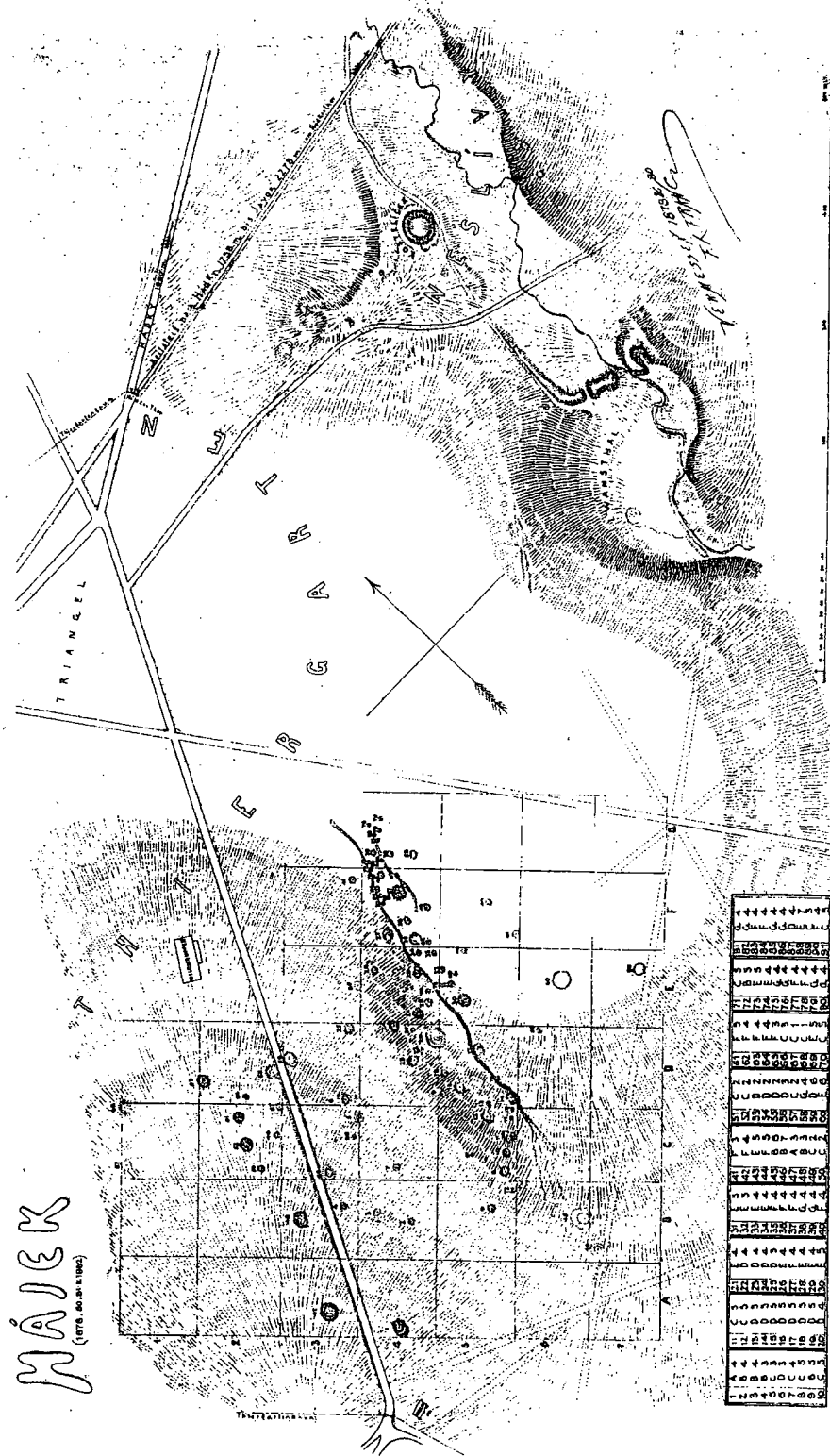


Fig. 102. Svareč, Middle Bronze Age tumulus cemetery in Southwest Bohemia (after Franc 1906). Ninety-two mounds have been recorded by F.X. Franc in 1881, each perhaps containing the equivalent of a family group.



Fig. 103. Svareč, finds from Tumuli 7, 57 and 32 (after Franc 1906). Indicated stone cists contained inhumation graves. Note the preservation of wood hafting and leather binding in contact with copper salts. Archaeological pollen samples from Mýtina Nová Ves and Vojkovice were preserved under identical conditions.

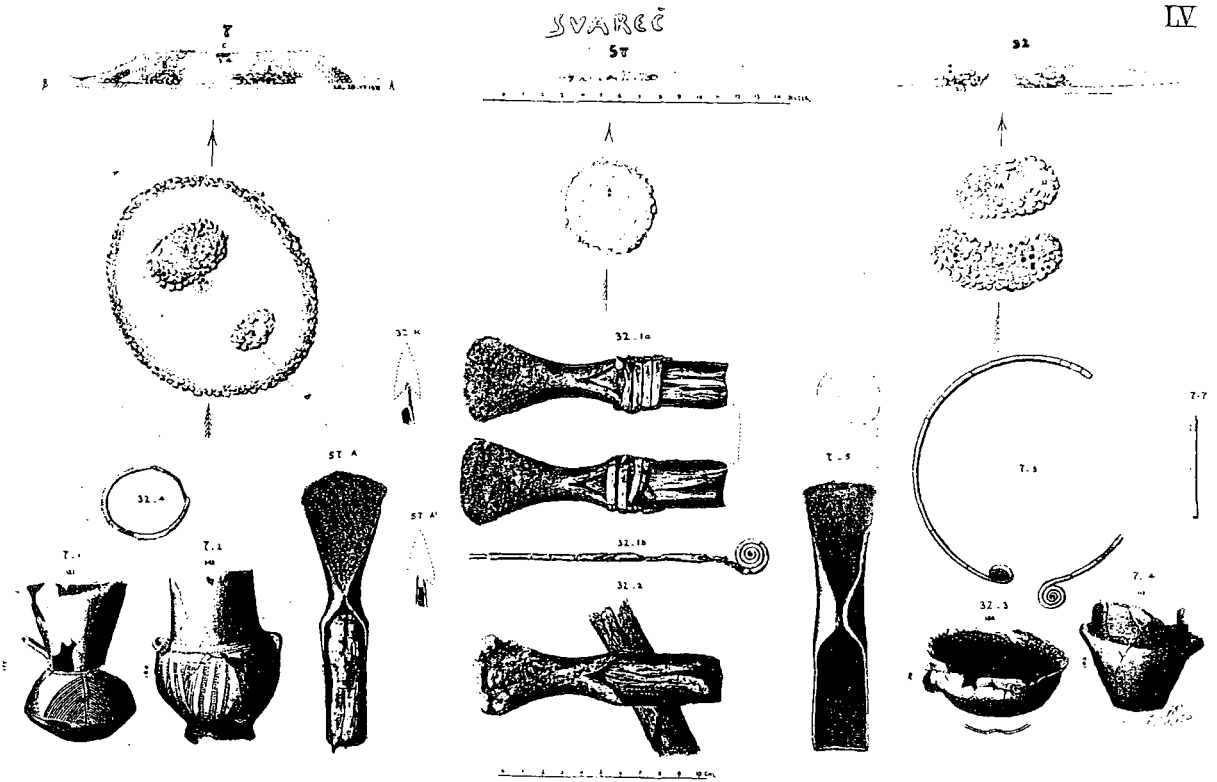


Fig. 104. Vochov, Middle Bronze Age hut preserved under Tumulus 1 (after Militký n.d.).

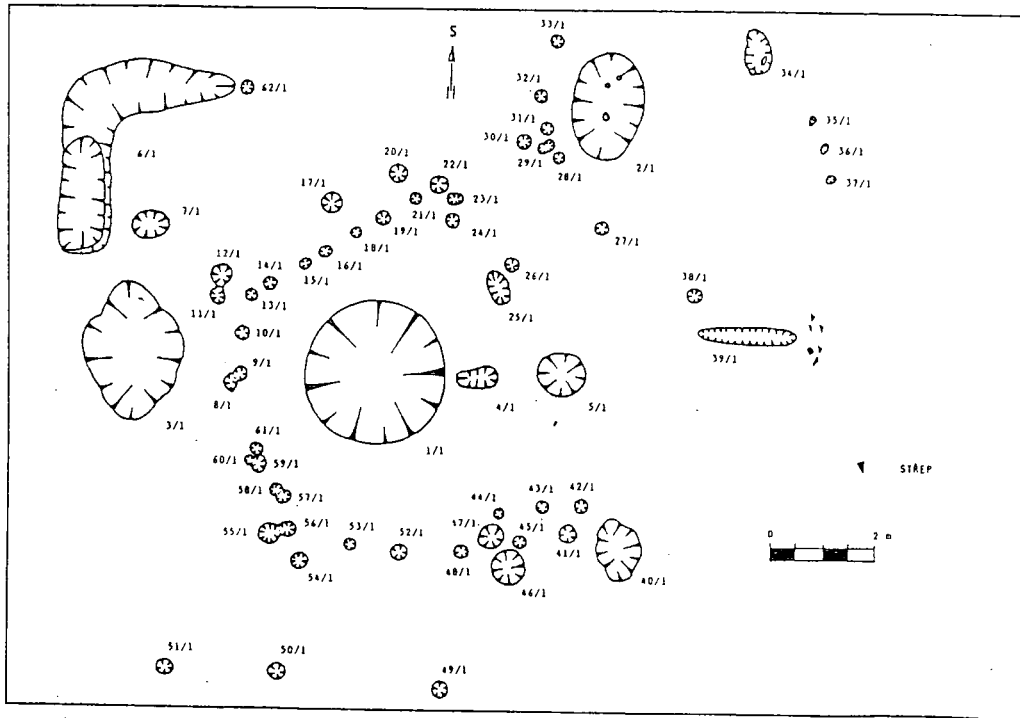


Fig. 105. Early Urnfield (B.A. D-Hallstatt A) settlement of Southwest Slovakia (after Pavuk et al. n.d.). Symbols indicate Middle Danubian (squares) and Lusatian (triangles) sites. Patterns indicate soils as follows: (1) czernozems, (2) czernozems on fluvial sediments, (3) para-brown earths, (4) Wiesenböden, (5) river inundation sediments, (6) illimerised soils, (7) brown earths on a non-löss substrate. Czernozems are the favoured soils in the lowlands during this period of very extensive settlement.

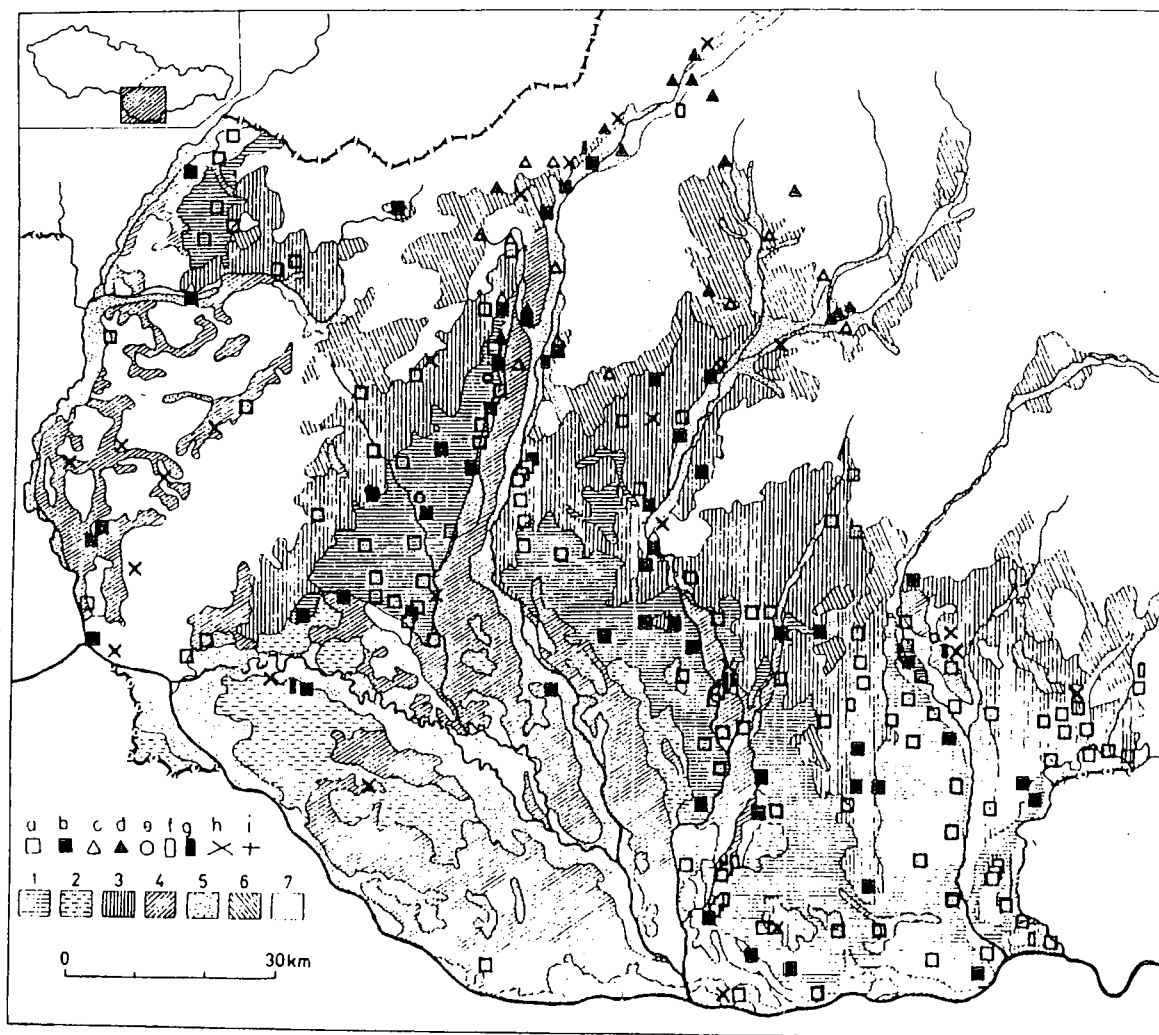


Fig. 106. Middle Urnfield (Hallstatt B1-2) settlement of Southwest Slovakia (after Pavuk et al. n.d.). Symbols indicate Middle Danubian (squares) and Lusatian (triangles) sites. Patterns indicate soils as follows: (1) czernozems, (2) czernozems on fluvial sediments, (3) para-brown earths, (4) Wiesenböden, (5) river inundation sediments, (6) illimerised soils, (7) brown earths on a non-löss substrate. Note the general contraction of settlement from czernozems to more moisture-retaining soils (esp. para-brown earths), suggesting that periodic moisture stress has induced this condition. Lusatian settlement contracts to a lesser degree than the Middle Danubian (of the Čaka-Velatic Culture), possibly because of the use of drought-resistant spelt wheat by farmers of the Lusatian culture. This dry interval is contemporary with the possible Hallstatt B1-2 wet interval in Bohemia, suggesting that changes in the general atmospheric circulation are occurring during this period (specifically, a depression of continental anti-cyclones which bring moisture to the most critically dry [late summer] part of the growing season in the Carpathian Basin, cf. Lamb et al. 1966).

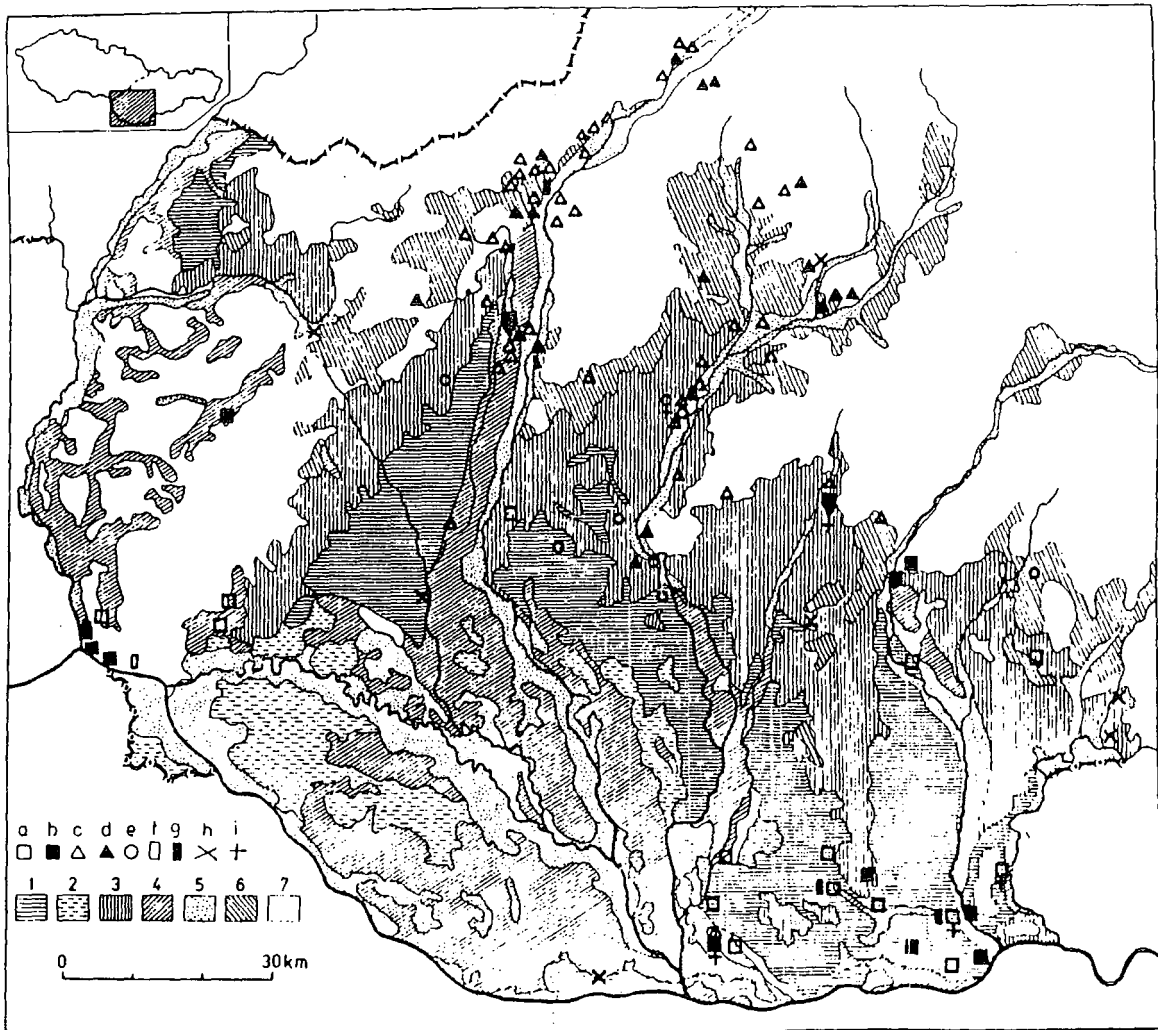


Fig. 107. Late Urnfield (Hallstatt B3-C1) settlement of Southwest Slovakia (after Pavuk et al. n.d.). Symbols indicate Middle Danubian (squares) and Lusatian (triangles) sites. Patterns indicate soils as follows: (1) czernozems, (2) czernozems on fluvial sediments, (3) para-brown earths, (4) Wiesenböden, (5) river inundation sediments, (6) illimerised soils, (7) brown earths on a non-löss substrate. A partial return to czernozems occurs, particularly by farmers of the Lusatian Culture.

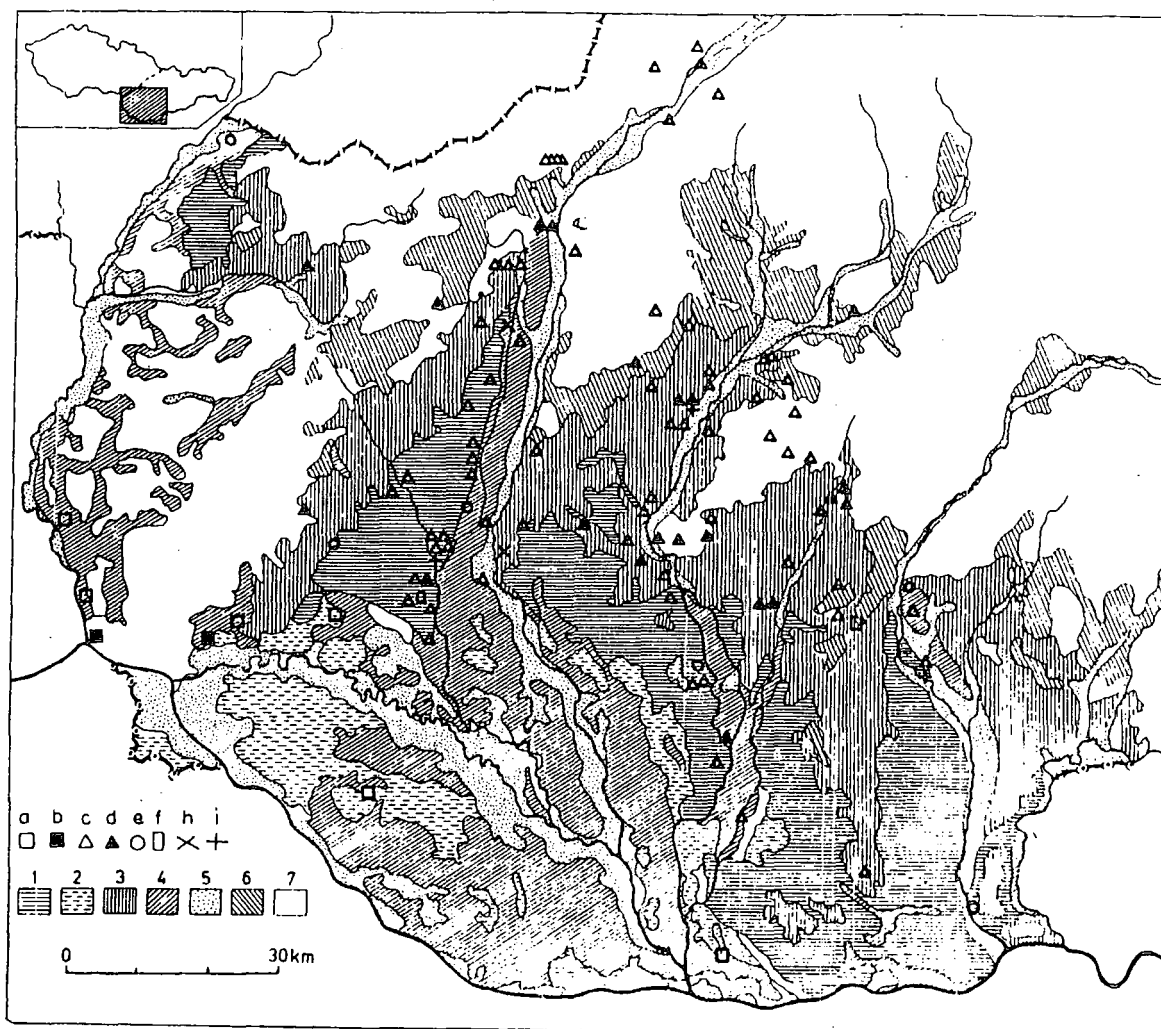


Fig. 108. Lovčičky, house plans from Velatice Culture village (after Říhovský 1966a).

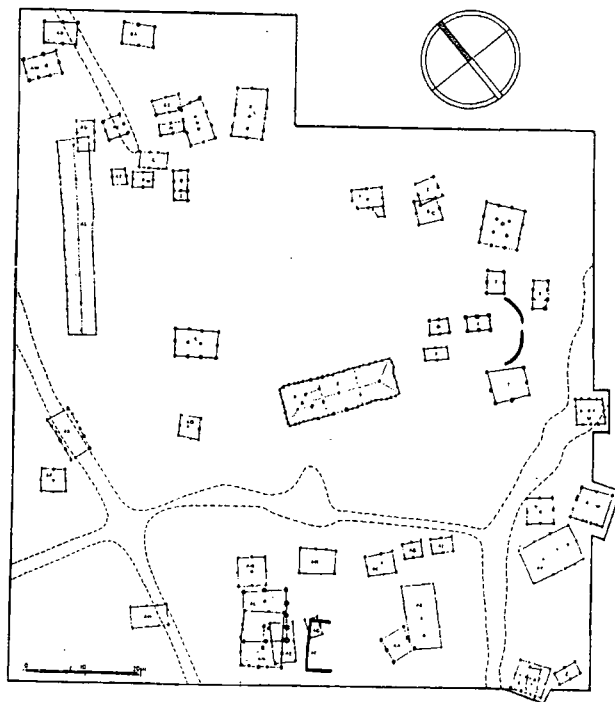


Fig. 109. Lovčičky, reconstruction of central large house and farmstead complex (after Podborský 1993). Storage pits are indicated by shading.

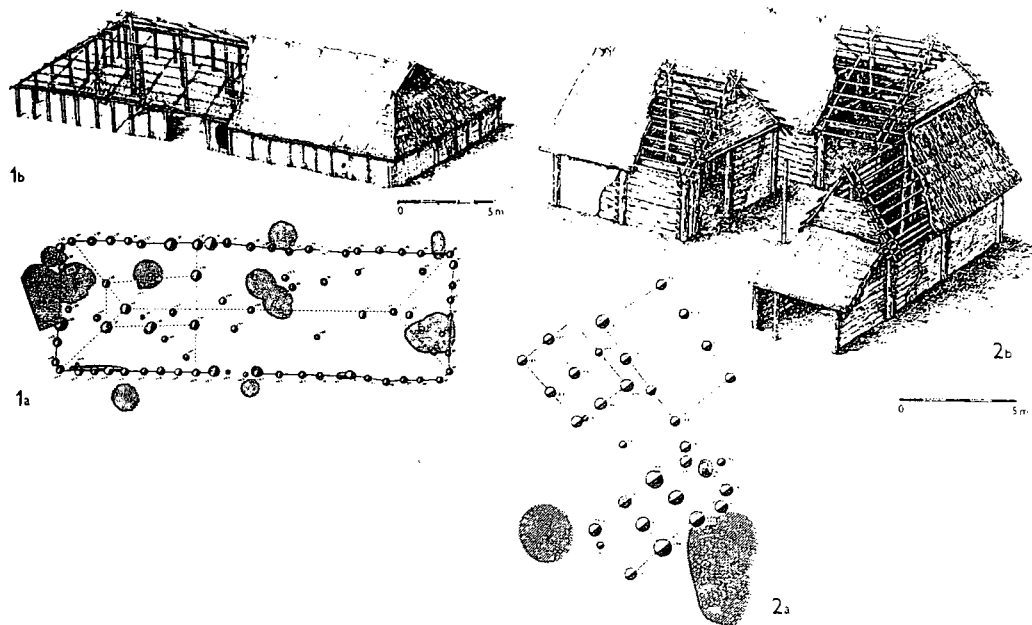


Fig. 110. Blučina, regional Velatice Culture settlement (after Salaš 1985). Symbols indicate the site of Blučina (1), settlements (2), cemeteries (3) and isolated urn burials (4).

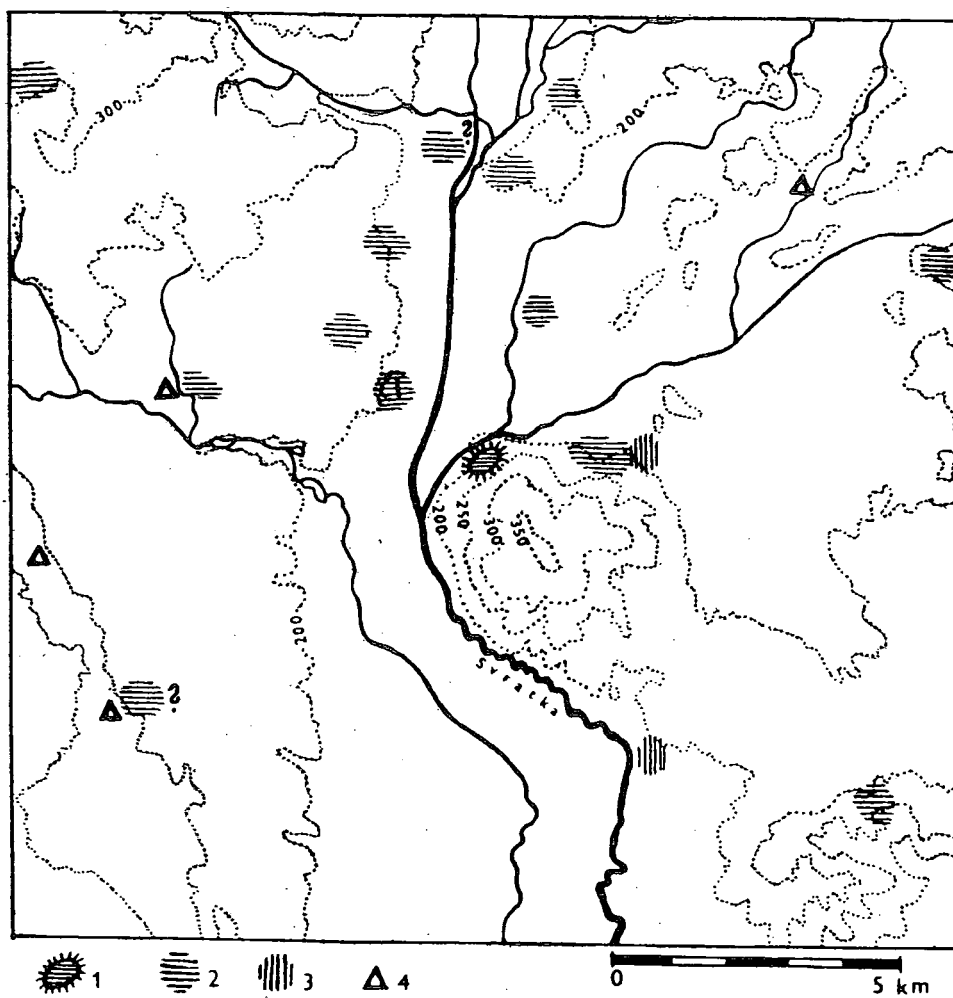


Fig. 111. Velim, mass burial in Feature 30 of the terminal Tumulus Culture or Urnfield establishment phase in East-Central Bohemia (after Hrala et al. 1991). Further mortuary features of this type have been recovered from recent excavations of this Bronze Age site by Hrala and Harding.



Fig. 112. Liptice, Knovíz Culture farmstead (after Beneš 1987). Three huts (and part of a fourth on the southern edge of the excavation block) occur alongside thirteen substantial sub-surface features.

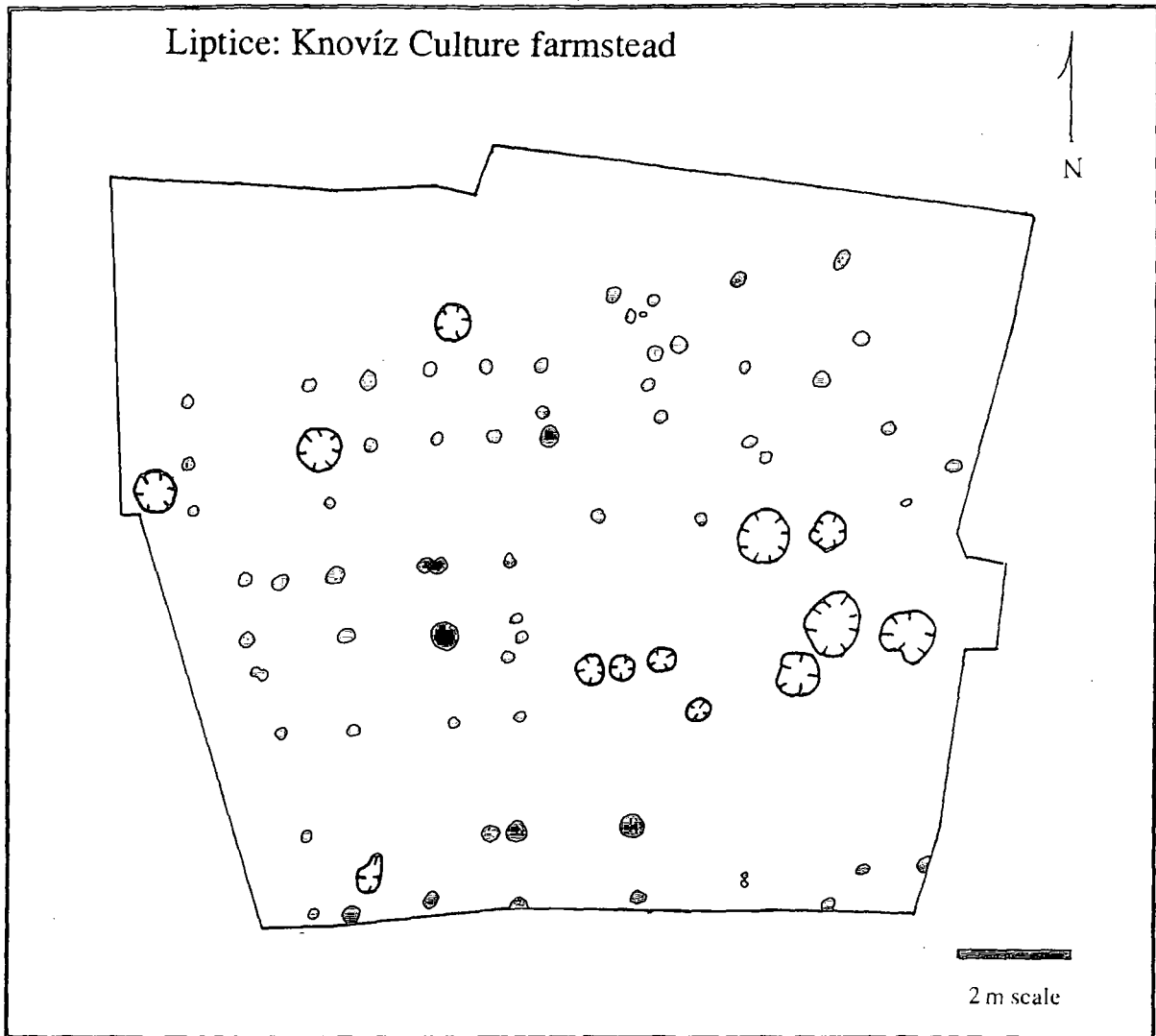


Fig. 113. General distribution of Terminal Bronze and Early Iron Age hill-forts of the Lusatian Culture in Moravia (after Nekvasil 1982). Symbols indicate certain hill-forts (filled rectangles), probable hill-forts (open rectangles) and possible hill-forts (crosses) of the Lusatian Culture. Dense patterns indicate main Lusatian settlement zones from the Boskovice area (in West Moravia) to the West Slovakian uplands (in the east). The open hatched pattern denotes a mixed Lusatian-Danubian cultural zone in South Moravia. Note the placement of hill-forts on the perimetre of the main Lusatian settlement zone, suggestive of their primary role as (extra-cultural) defensive centres. A poverty of true hill-forts in the West Slovak zone might reflect the natural defensibility of this settlement area in the Tatras. Open circles denote Late Bronze Age Danubian hill-forts at regional centres of general Danubian settlement zone in South and Southwest Moravia, suggestive of their potential role as political nodes.

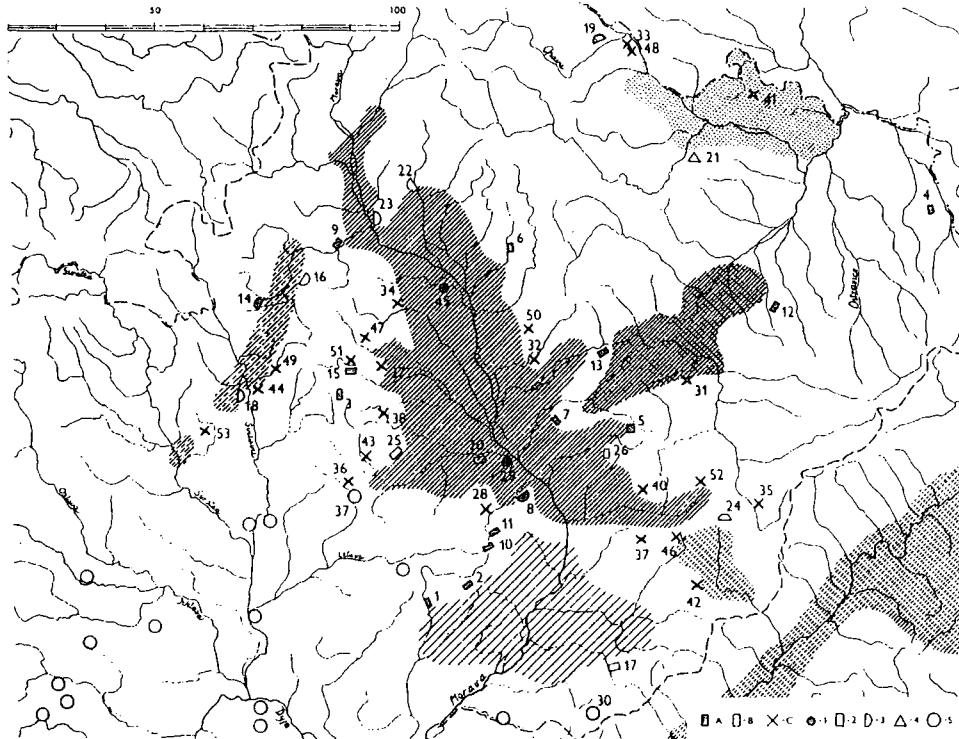


Fig. 114. Distribution of Late Bronze Age and Late Hallstatt hill-forts in the Thuringian Unstrut Valley (after Wagner 1992). Symbols indicate hill-fort occupation during (a) Reinecke Bronze Age D-Hallstatt A1, (b) Hallstatt A2-B1, (c) Hallstatt B2-C, (d) Hallstatt D-La Tène A, (e) probable dating to above period and (f) during the Late Bronze Age and Late Hallstatt period generally.

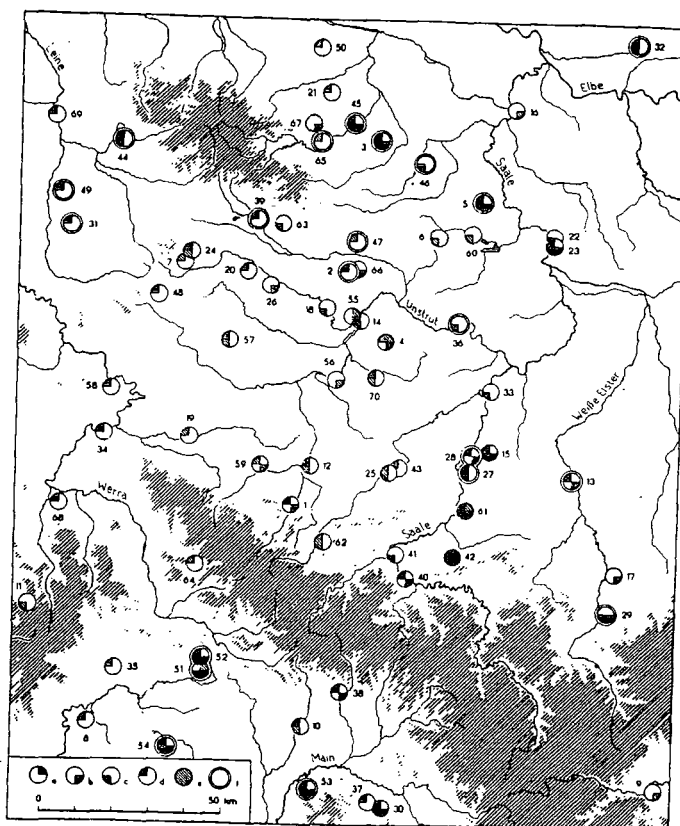


Fig. 115. Bmo-Obřany, site plan of the Podolí Culture hill-fort (after Podborský 1993).

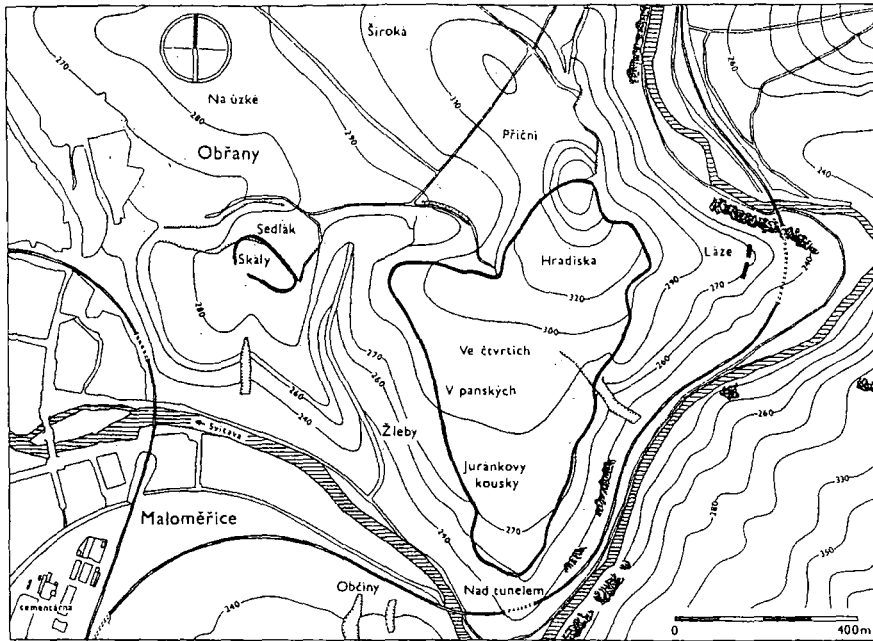


Fig. 116. Brno-Obřany, Grave 169 of the Late Podolí Culture (after Podborský 1993). Sword, axe and lance are made of iron. Ringlets (artifact no. 2) are made of gold.

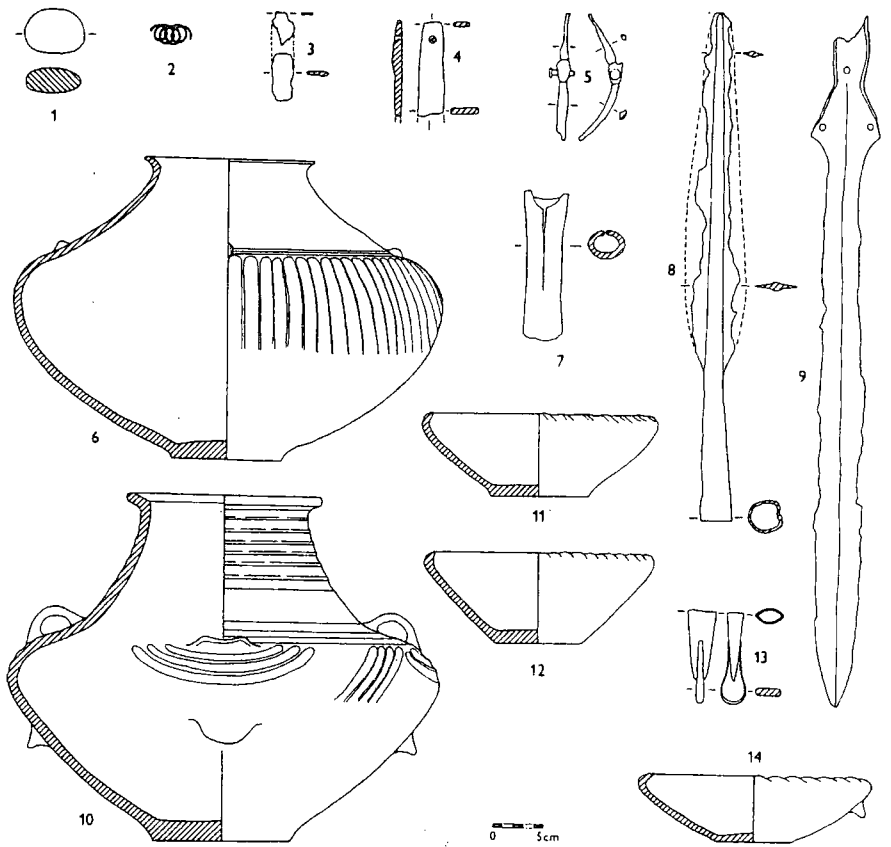


Fig. 117. Iron Age sites in Bohemia.

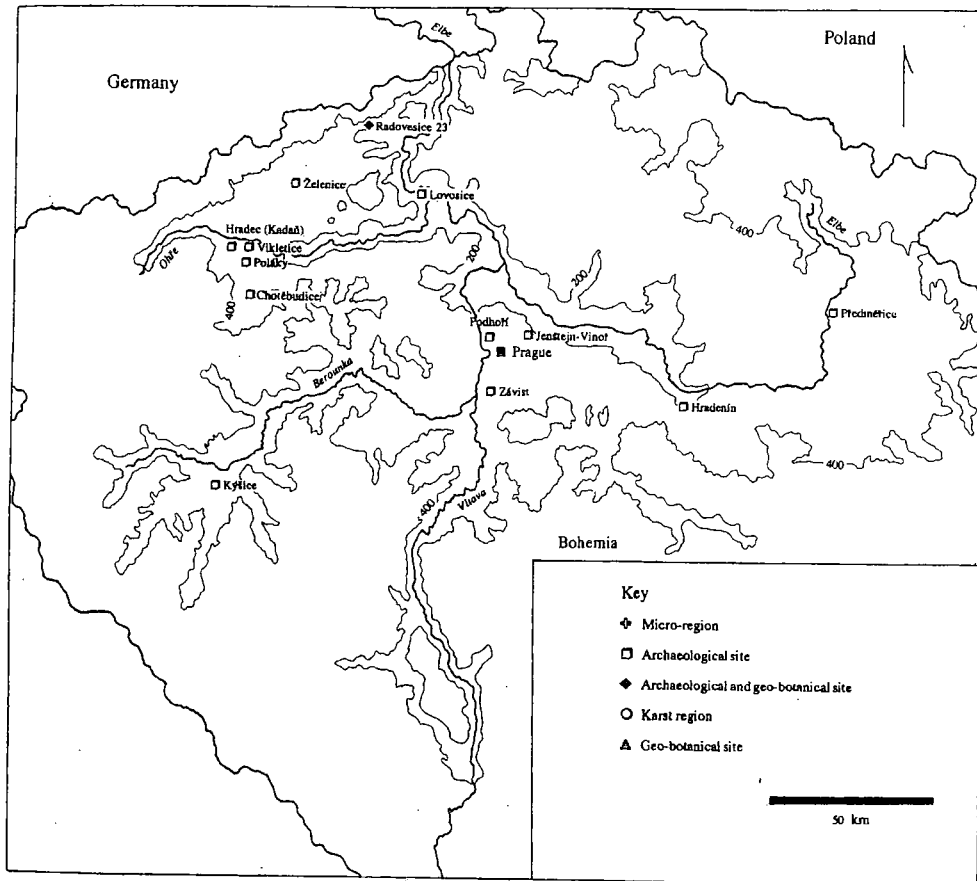


Fig. 118. Iron Age sites in Moravia and Slovakia

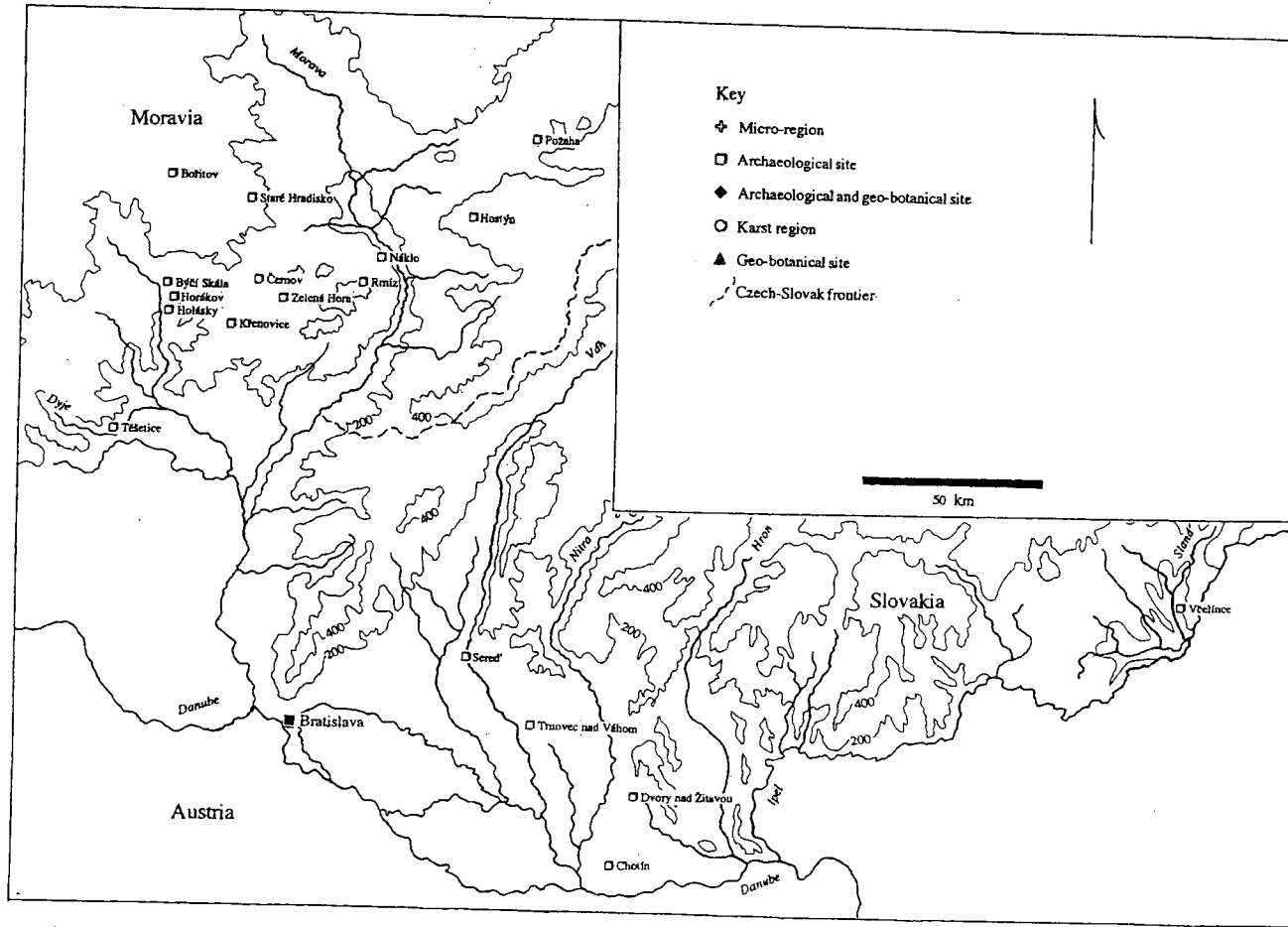


Fig. 119. Early Iron Age (Hallstatt C2-D1) settlement of Southwest Slovakia (after Pavuk et al. n.d.). Symbols indicate Middle Danubian (squares) and Lusatian (triangles) sites. Patterns indicate soils as follows: (1) czernozems, (2) czernozems on fluvial sediments, (3) para-brown earths, (4) Wiesenböden, (5) river inundation sediments, (6) illimerised soils, (7) brown earths on a non-löss substrate. Note the relative intensity of Middle Danubian settlement (spelt wheat now appears as a regular field crop on Late Hallstatt sites).

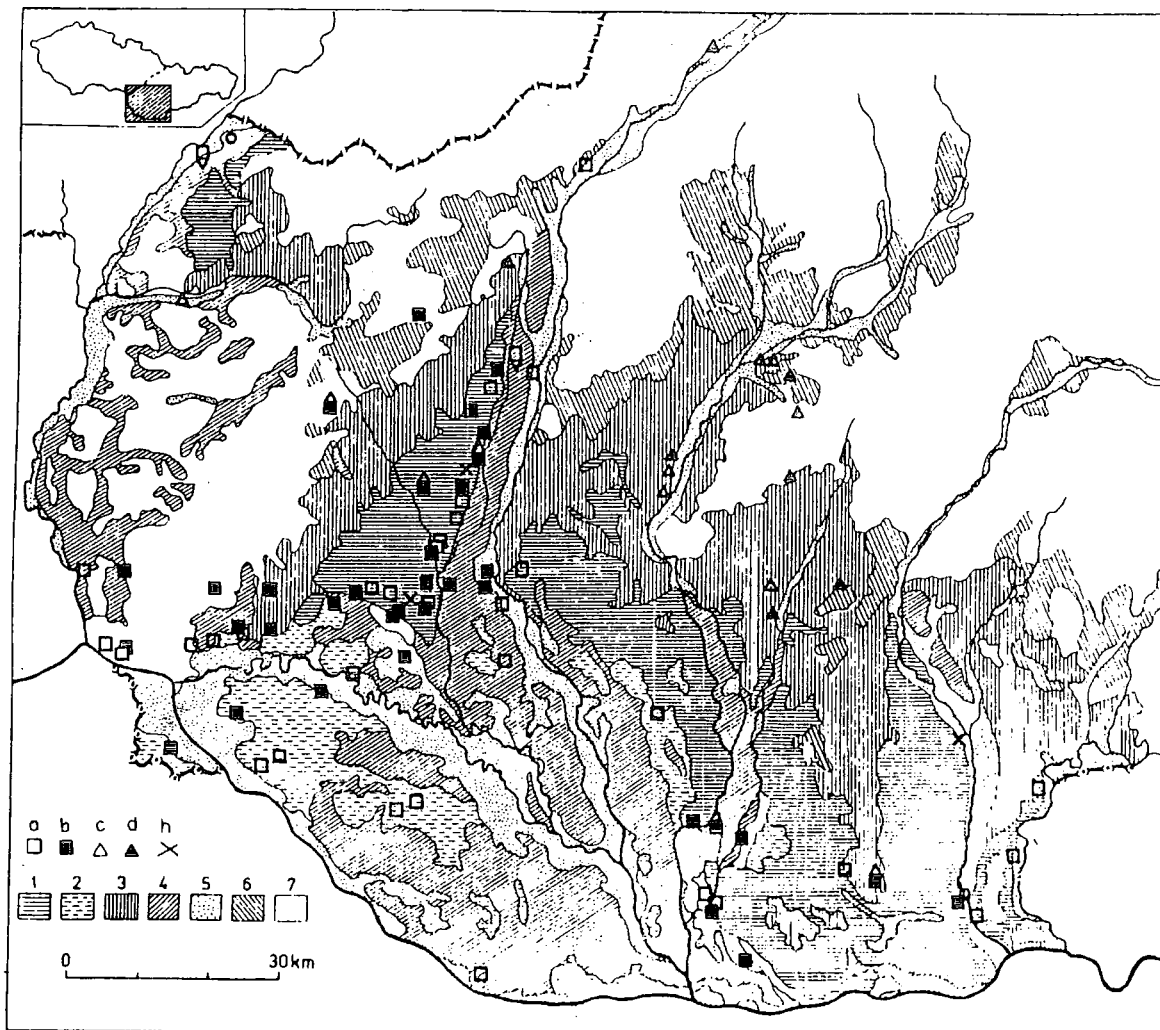


Fig. 120. Vekerzug and La Tène (Hallstatt D2-3 and La Tène A) settlement of Southwest Slovakia (after Pavuk et al. n.d.). Symbols indicate Vekerzug (rectangles) and La Tène (circles) sites. Patterns indicate soils as follows: (1) czernozems, (2) czernozems on fluvial sediments, (3) para-brown earths, (4) Wiesenböden, (5) river inundation sediments, (6) illimerised soils, (7) brown earths on a non-löss substrate.

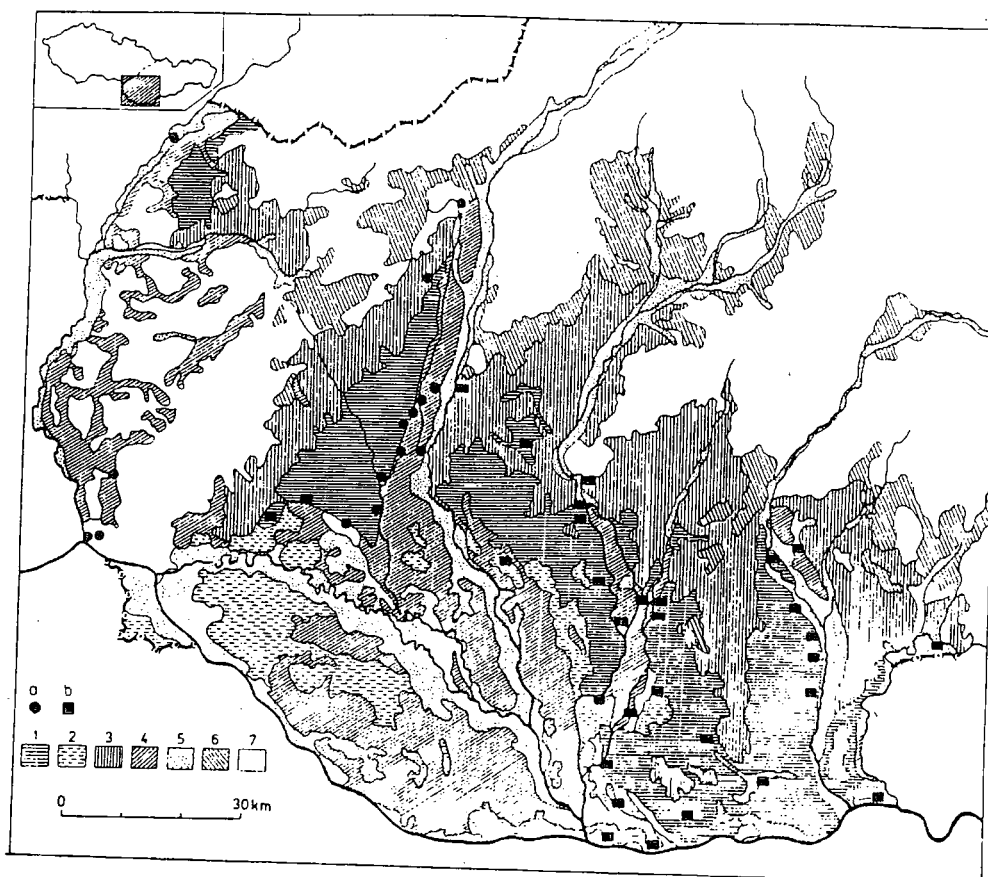


Fig. 121. Vikletice, Feature 61/62 of the Late Bylany Culture in Northwest Bohemia (after Koutecký 1988a).

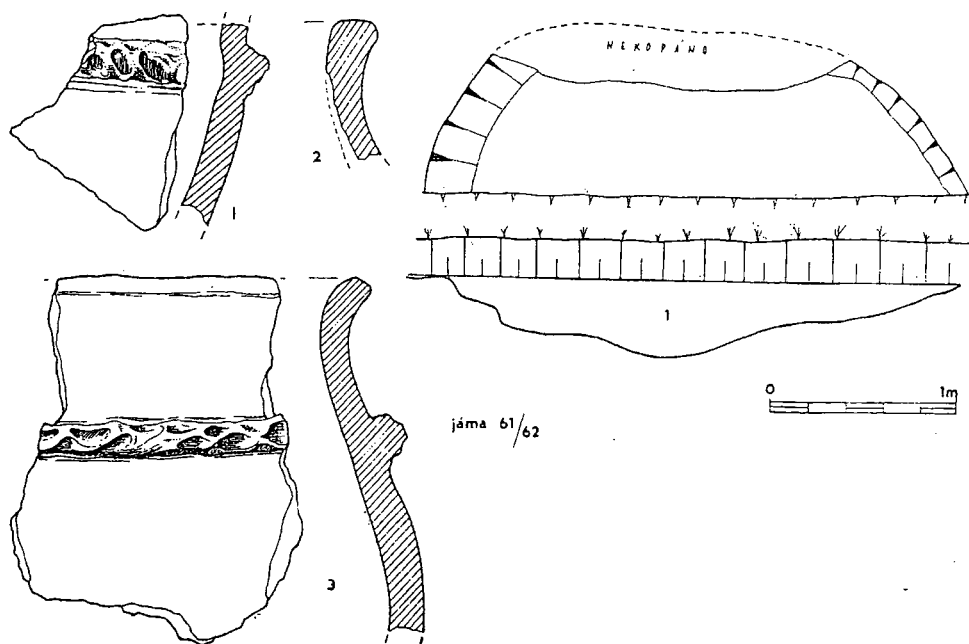


Fig. 122. Chotěbudice, settlement pottery of Hallstatt C2 date from Feature 7 (after Kouček 1993). Note sherd portraying horse riders from lot no. 146/73-4 (A). This pit was dug to a depth of 2.1 m (cf. Vinof Feature 11).

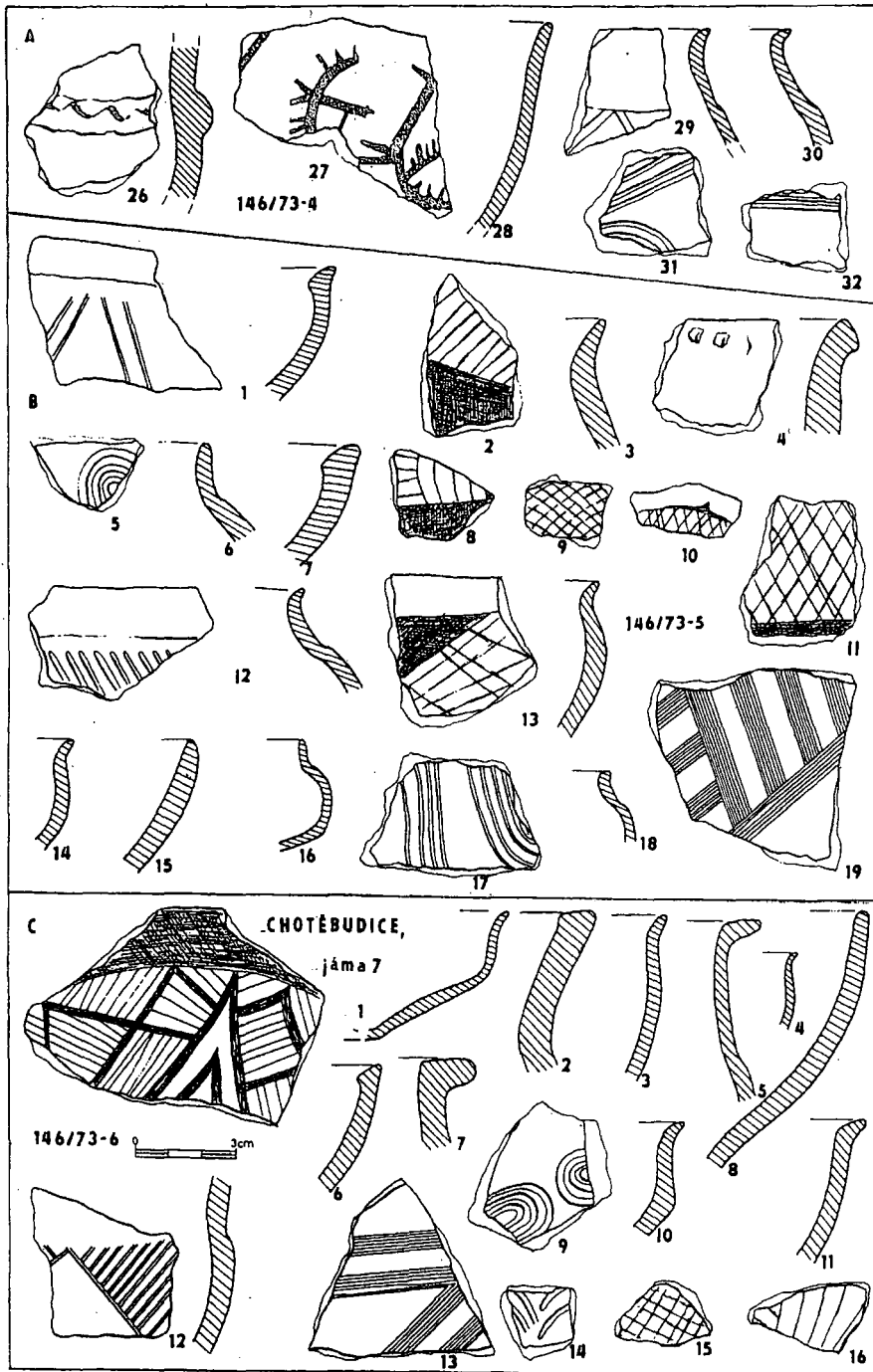
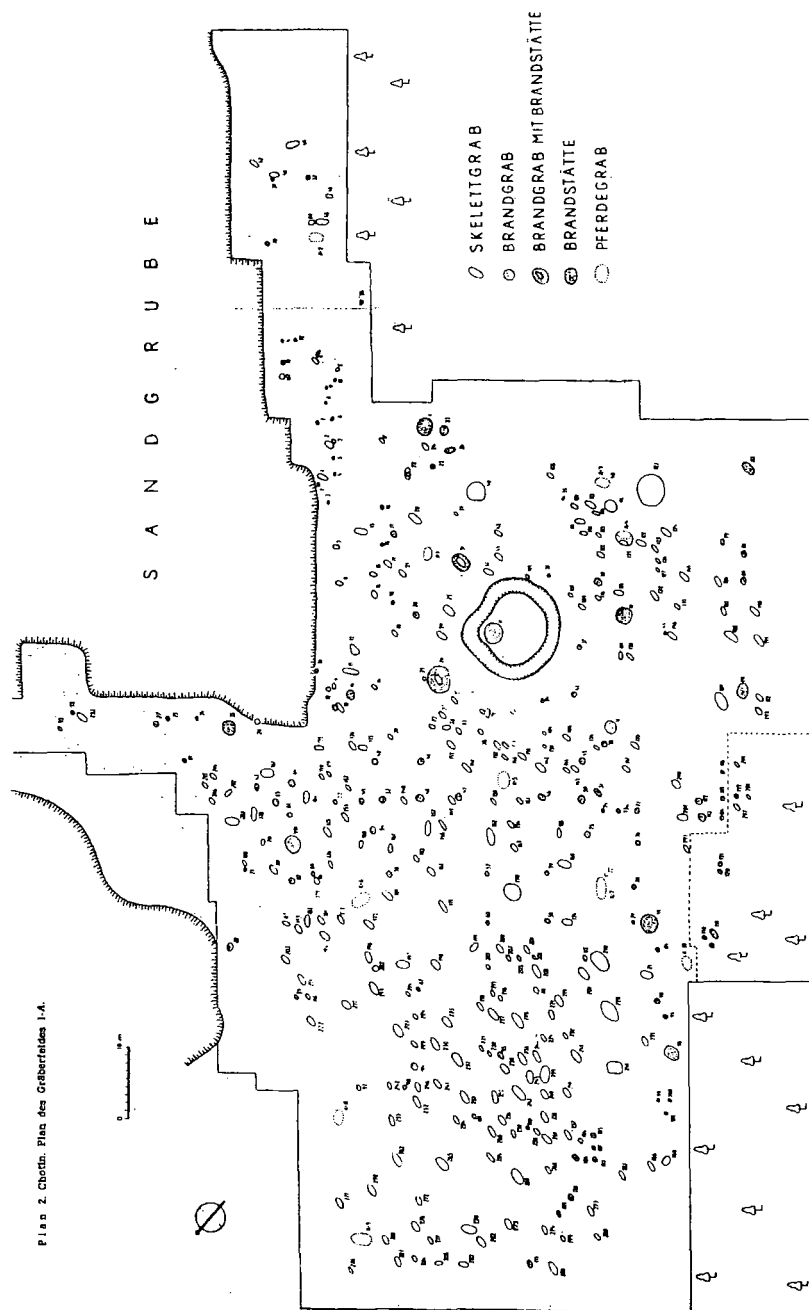


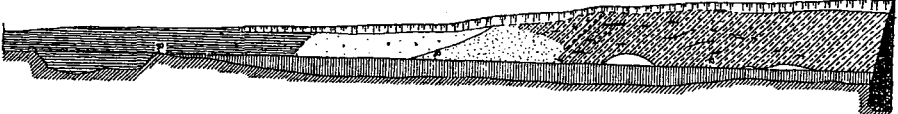
Fig. 123. Chotín, Vekerzug cemetery Area I-A (after Dušek 1966). This concentration is separated from Area I-B by an extensive sand pit which produced disturbed finds. Most likely, the entire cemetery contains 1,000+ graves established during a (ca.) one century period of use during Hallstatt D. Note the presence of horse burials.



Plan 2. Chotín. Plan des Gräberfeldes I.A.

Fig. 124. Včelínce, east profile burial mound of Vekerzug Culture in East Slovakia (after Furmánek and Marková 1994). Scale indicates metres.

A - II vých. profil



A - II vých. profil

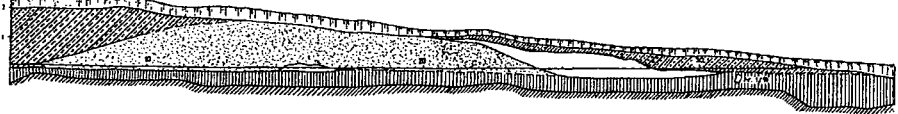


Fig. 125. Brno-Holásky, chamber burial of Horákov Culture (after Podborský 1993). Note the iron weaponry and horse harness elements. The placement of three storage vessels in northwestern corner of the wooden chamber has analogs in the situation of storage vessels in Bylany Culture graves, on which wagon yokes are sometimes placed. An inference might be made that the triple storage vessels for grain reflect a votive to the original role of Epona as an agricultural goddess (cf. Fig. 125).

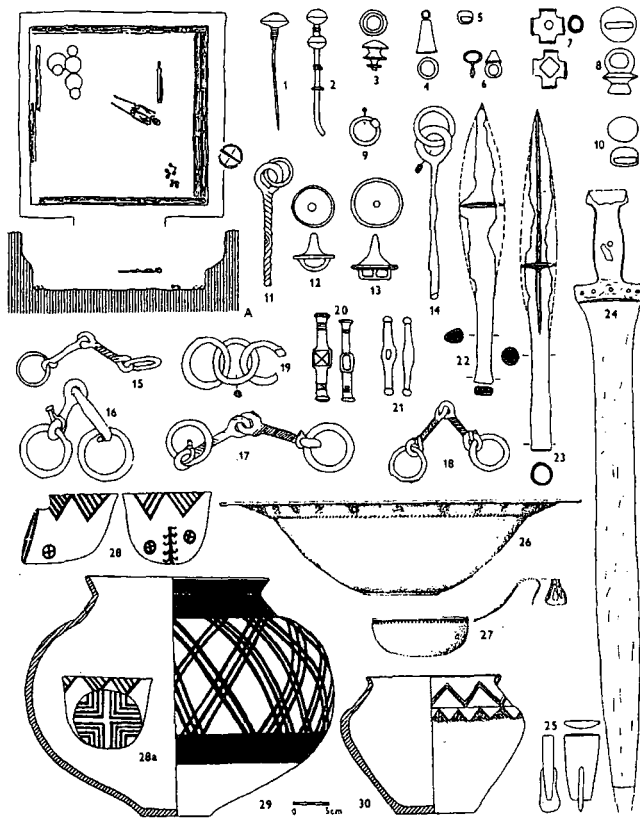


Fig. 126. Kyšice-Dýšina, Hallstatt C tumulus burial in Southwest Bohemia (after Franc 1906). Note the solar water fowl symbolism on bronze dish with horse harness fittings (like contemporary graves of Horákov Culture). A general symbolic associative complex between equids, water and death may be discerned in the funerary cult during the Hallstatt C-D period in Central Europe (cf. Roman commentary on the role of Celtic Goddess Epona [drawn by three horses] as the bearer of the dead across a body of water).

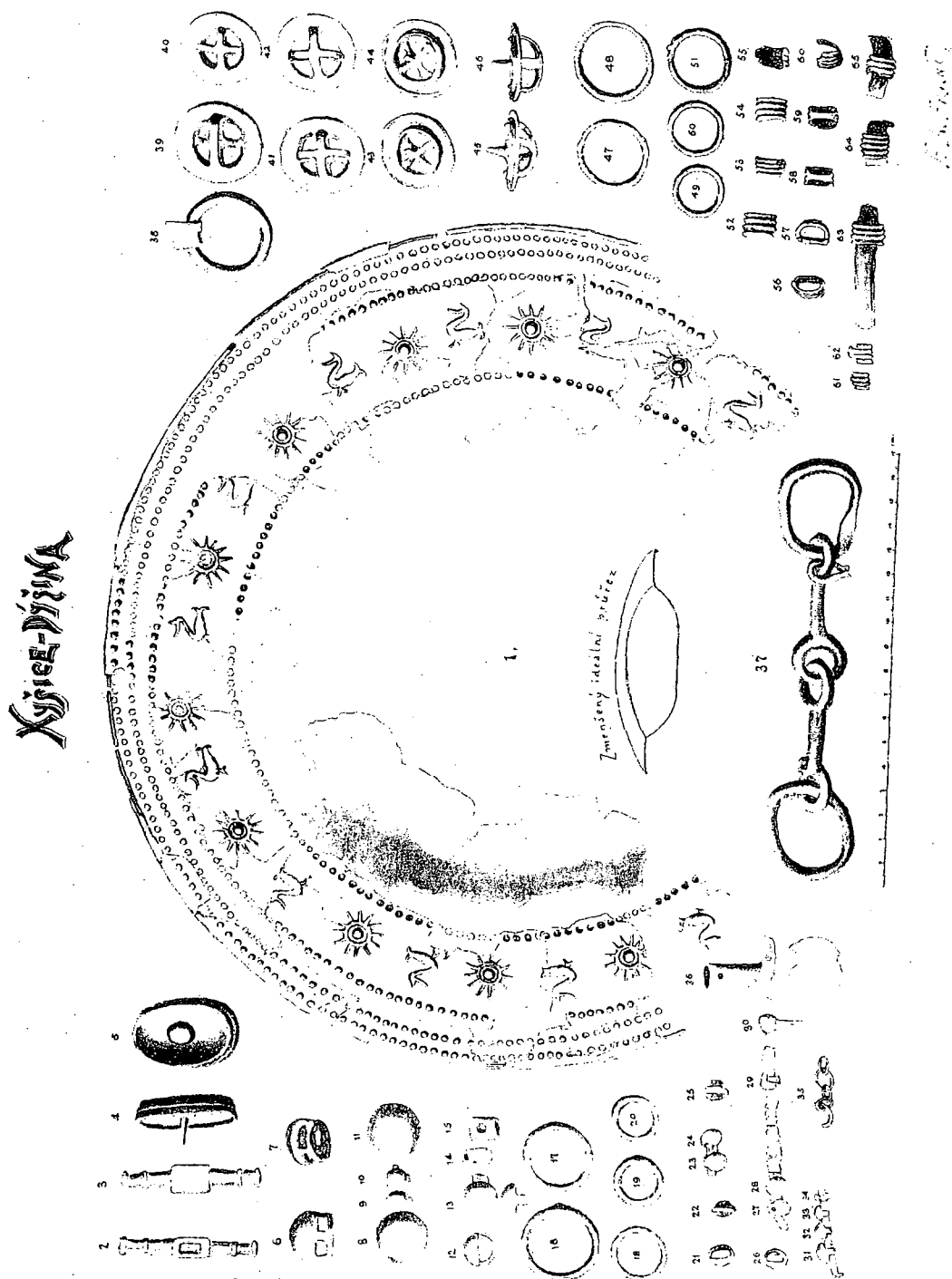


Fig. 127. Krašovice, plan of Hallstatt D compound (after Waldhauser 1987). Note that over-patterning by successive sub-phases of Late Hallstatt occupation has rendered domiciles at this site by Příbam un-reconstructable (Soudská's attempts are unconvincing). Note the pervasive presence of post structures on this cleaned surface (sub-surface features are hatched). Unpublished house patterns from Kuřim in South Moravia are much clearer.

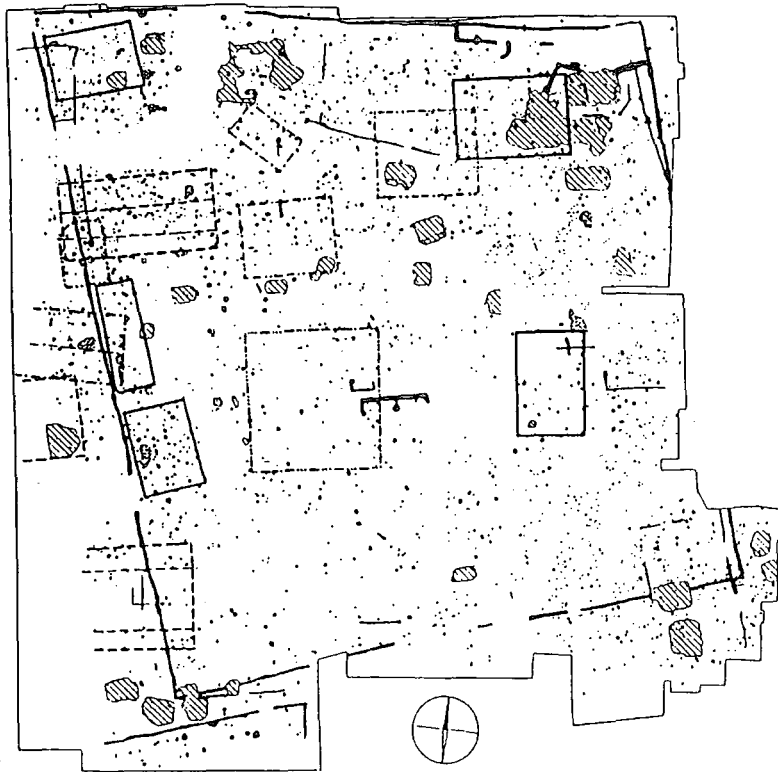


Fig. 128. Jenštejn, sunken features (2, 4, 21 and 63) designated as domiciles by the excavator (after Dresserlová 1995a). Note that a only a limited surface of the Jenštejn excavation was thoroughly cleaned. This limited section (Area D) produced almost all recognised post-moulds.

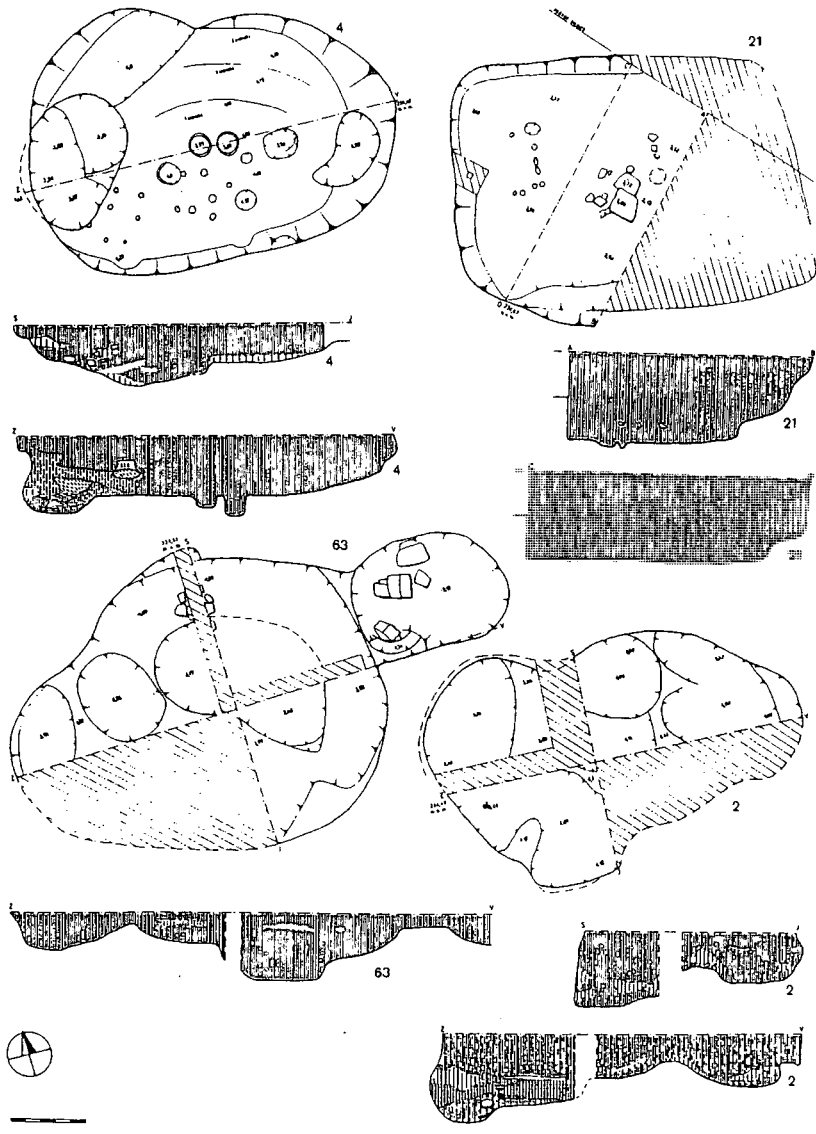


Fig. 129. Kadaň (Hradec), Late Hallstatt settlement (adapted from Kouček 1988a). A cluster of four sites in the environs of Kadaň (northwestern study area) is considered to be a single village for population calculations.

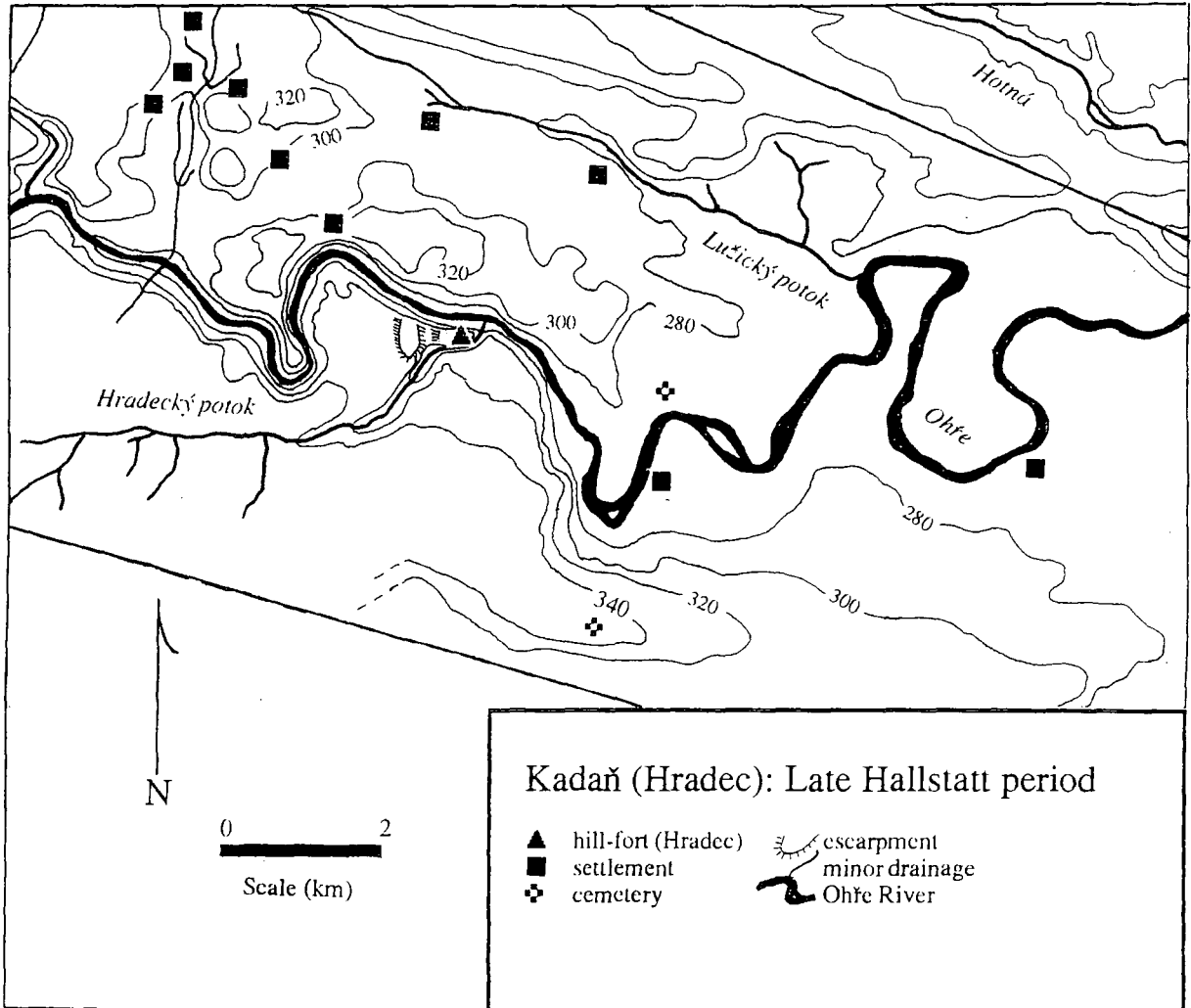


Fig. 130. Late Hallstatt and La Tène settlement in the southern part of the Middle Bílina Valley (after Waldhauser 1984a).

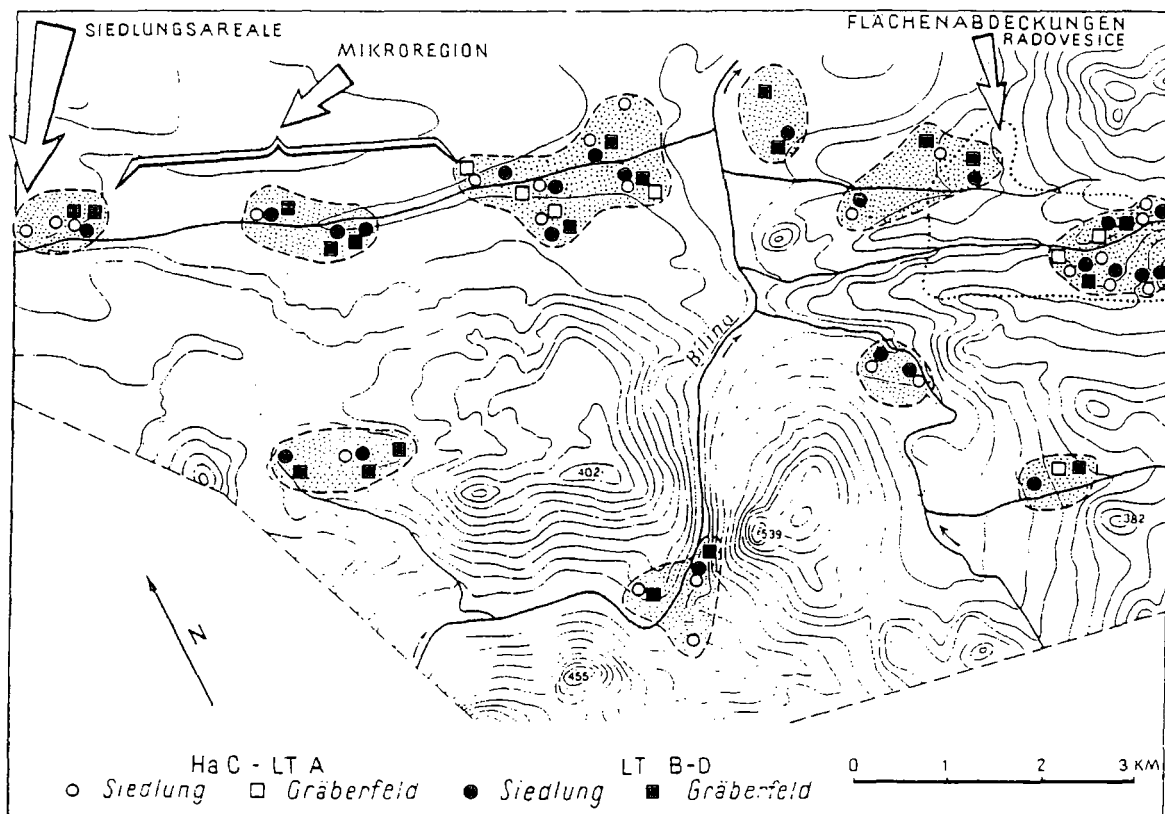


Fig. 131. Middle La Tène graves from Moravia (after Podborský 1993). Sites of Lovčičky (1), Brno-Chrlice (2, 4) and Blučina (3, 5-7) are represented by female (1, 2, 4) and male (3, 5-7) inhumations. Warrior attributes such as swords, spears and shields are common in male graves. Female graves often contain multiple arm or leg rings. Neck torcs are more rare. The presence of unequipped female inhumations as secondary internments in male graves has also been noted by Čizmář (1972).

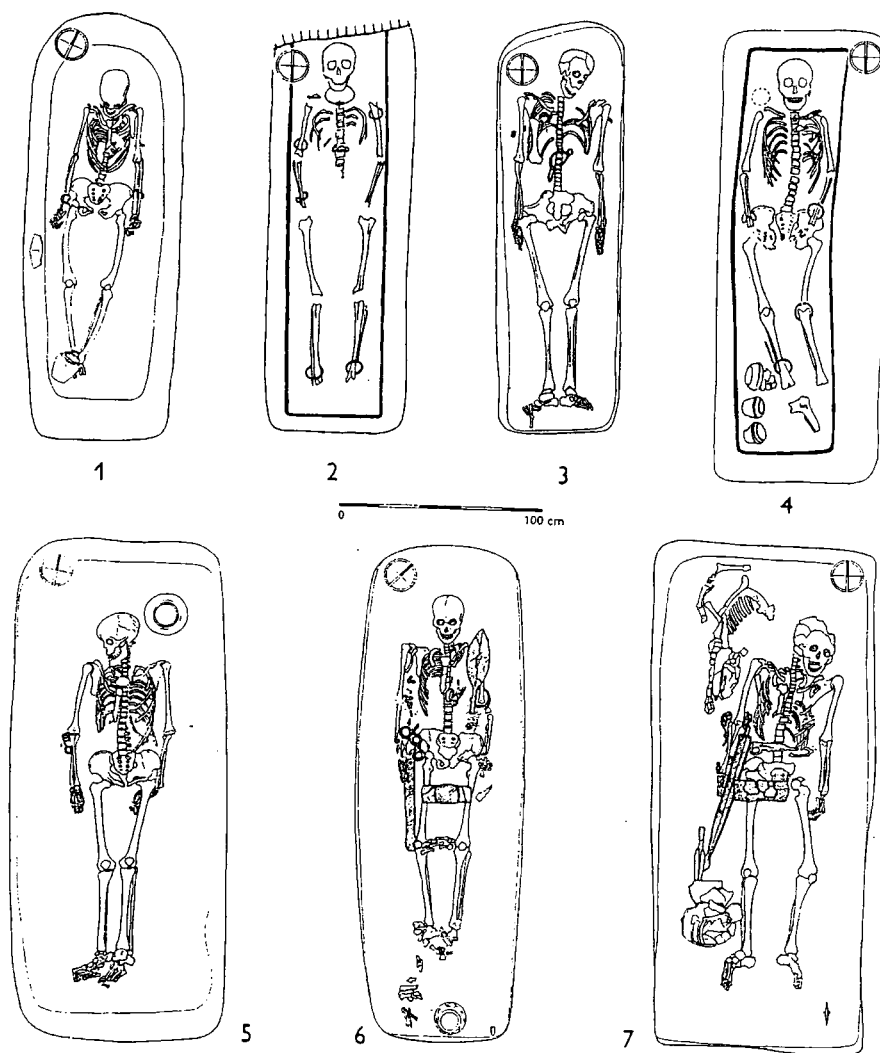


Fig. 132. Závist, reconstruction of outer gate established in La Tène A period, reestablished in the Late La Tène period (after Motyková et al. 1991). Two further gates guard the approach to the Závist acropolis.

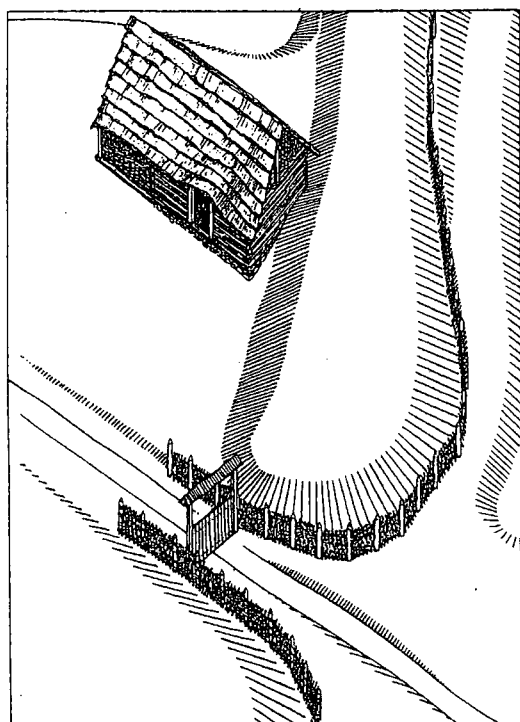


Fig. 133. Staré Hradisko, site plan with gates and (ditch and bank) fortifications indicated (after Čižmář 1989).

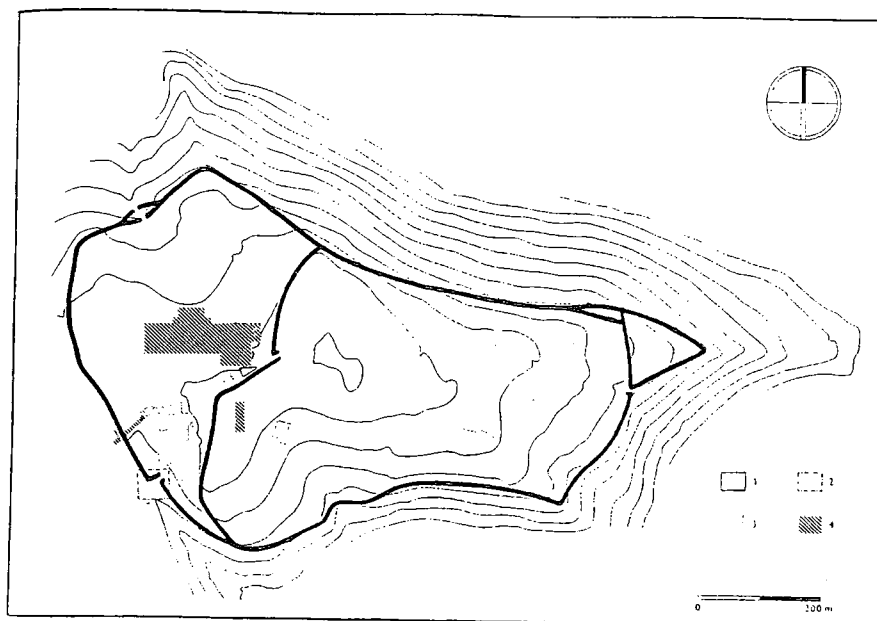


Fig. 134. Staré Hradisko, suburb excavation of Čižmář (after Čižmář 1989). The junction of this partial compound (bounded by tracks or paved roads) with Meduna's earlier investigations is indicated in the lower left corner of the excavation plan.



Fig. 135. Roman Iron Age sites in Bohemia.

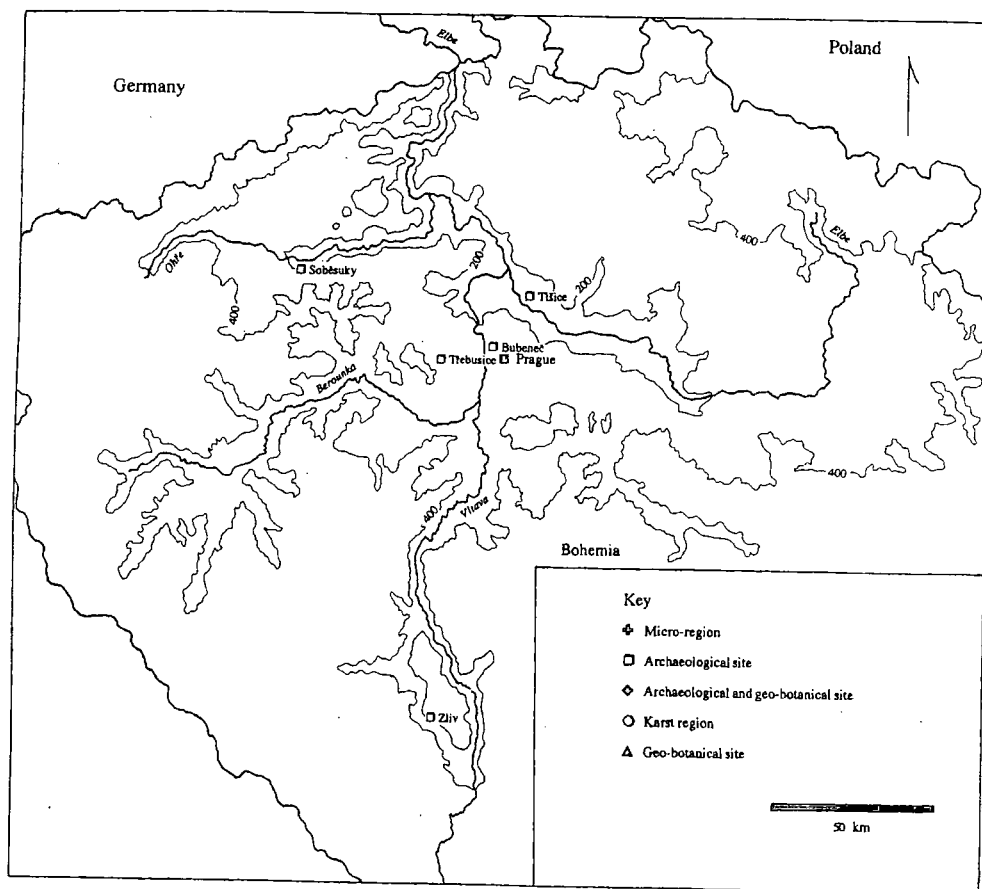


Fig. 136. Roman Iron Age sites in Moravia and Slovakia.

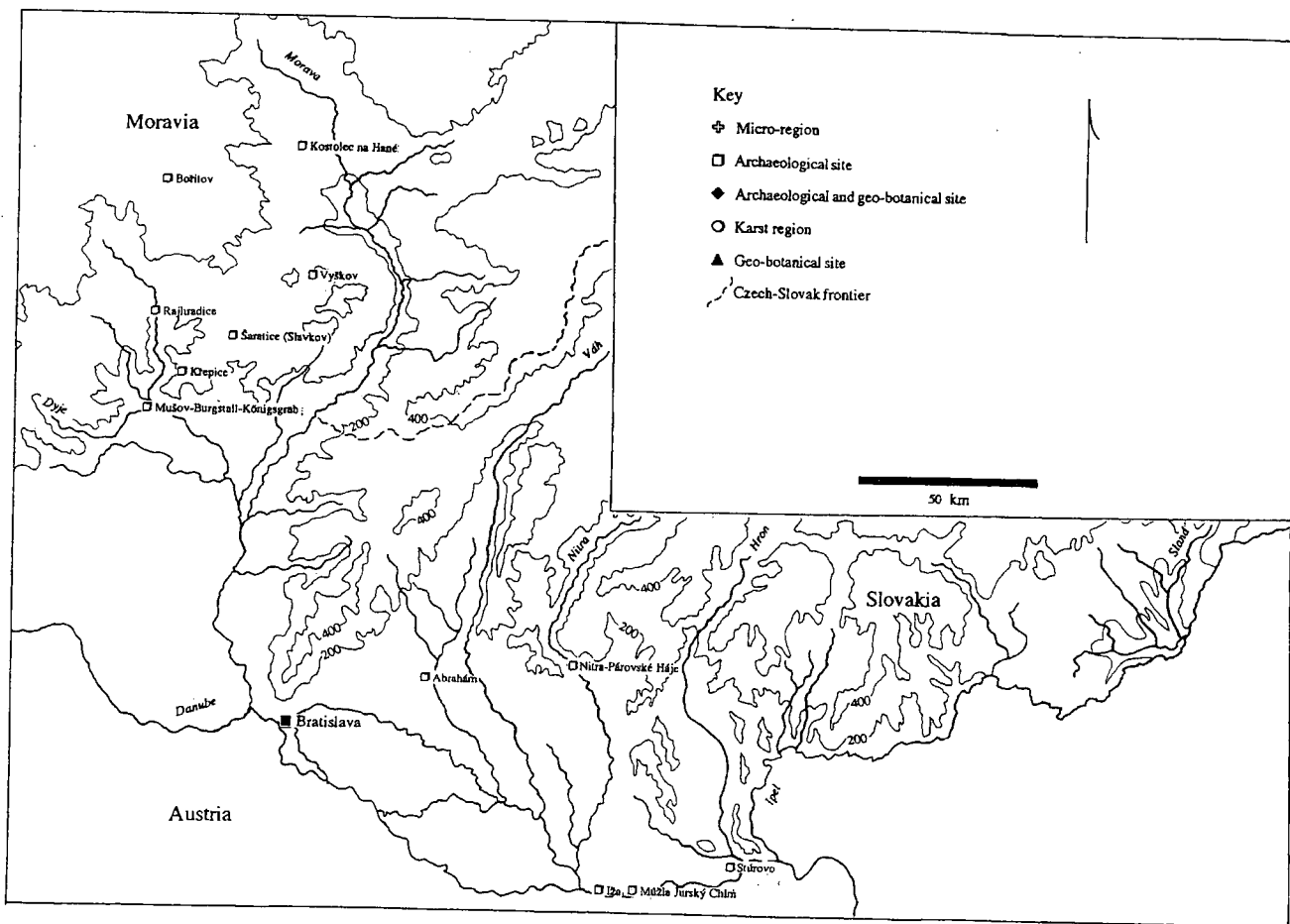


Fig. 137. Musov-Königsgrab, bronze kettle with portrait heads (after Tejral 1992). Note the representation of the Suebic knot in hair style of busts remarked upon in Roman descriptions of Germanic tribals of the Marcomannic War period. Four other bronze vessels were placed in this chamber grave amongst a collection of 150 artifacts of cosmopolitan (Gallic to Sarmatian) origin.



Fig. 138. Vyškov, Early Roman Iron Age settlement (after Peškař 1961).

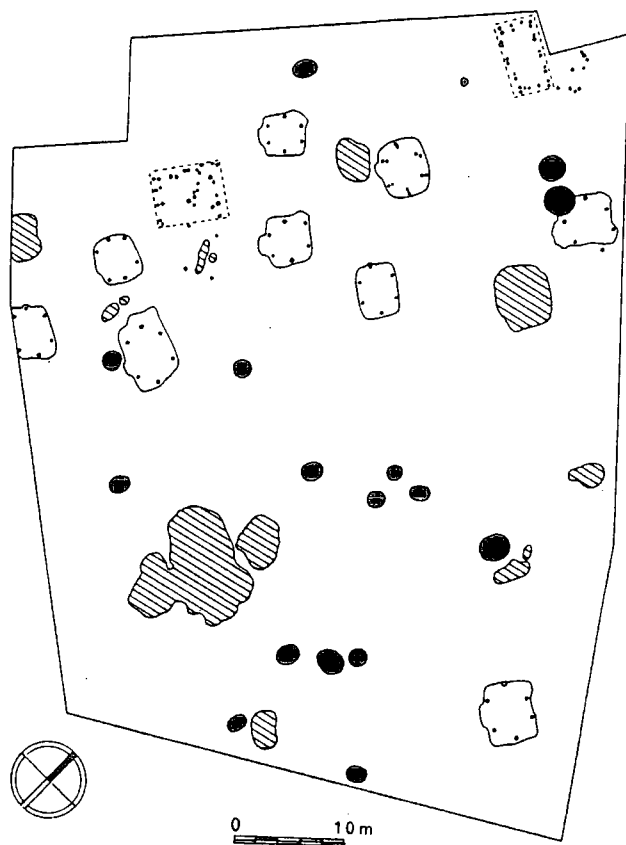


Fig. 139. Late Roman houses (after Tejral 1990). Six-posters (1-2, 5-6) derive from Mušov in South Moravia. Smaller features (3-4) derive from Klein Meiseldorf in Lower Austria.

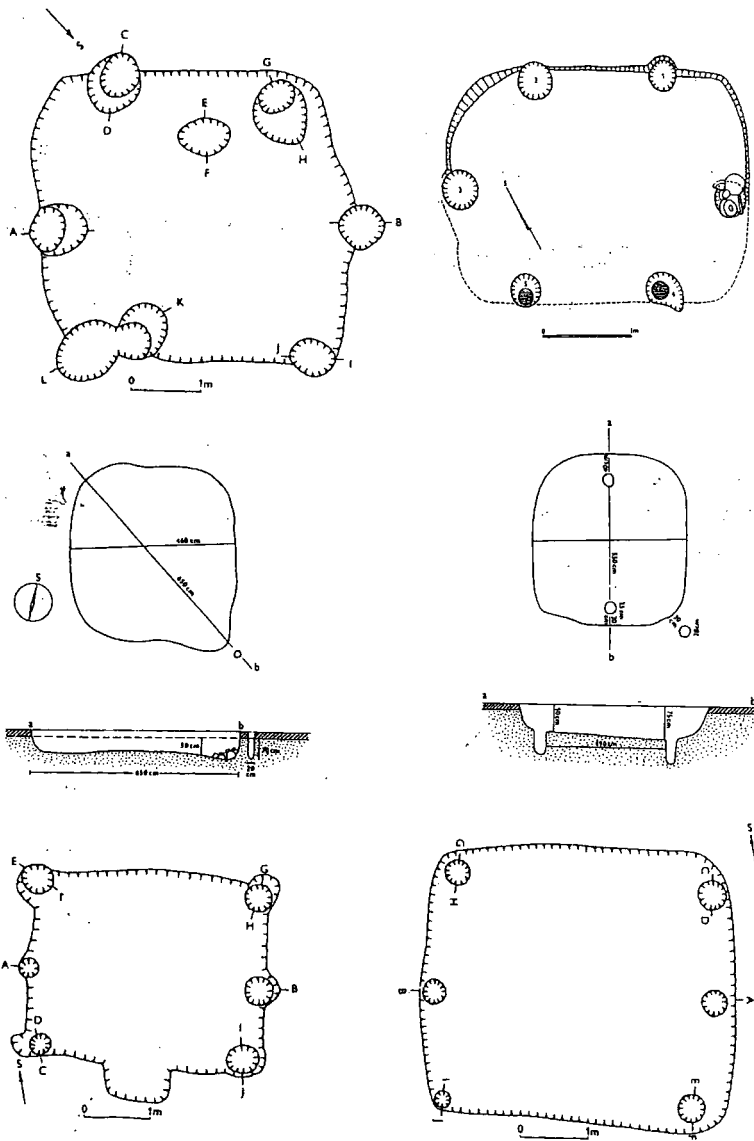


Fig. 140. Migration period houses (after Tejral 1990). Hut 1 derives from Brod, Huts 2-3 derive from Lovčičky and Hut 4 derives from Drysice.

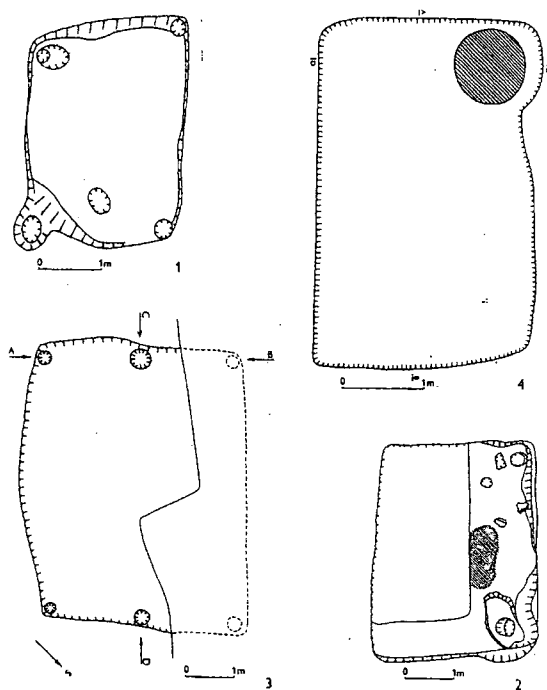


Fig. 141. Pottery sherd densities from Iron Age features at Radovesice 23 (after Salač 1995). Site chronology from the Late Hallstatt to Late La Tène era demonstrates a micro-migration from east to west at this Iron Age settlement. Sherd density data from the La Tène period (based on settlement finds of two-poster huts) exhibit a general internal consistency.

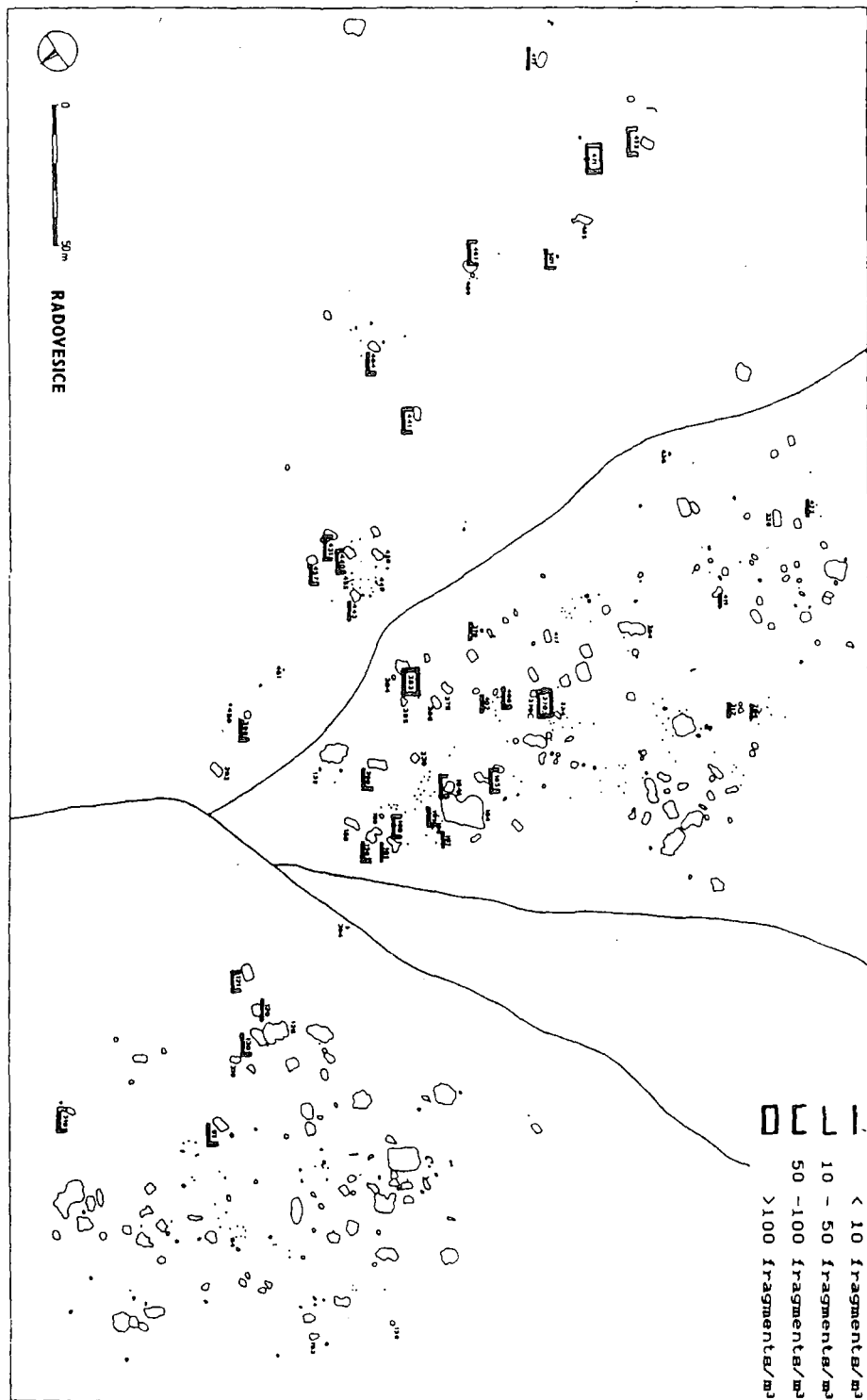


Fig. 142. Dresserová's reconstruction of Late Hallstatt land-use in the basin of Vnořský potok (after Dresslerova 1995c). Patterns indicate settlements (1), fallow and pasture (2), fields (3), forest (4), grazed wood (5) and the steam valley (6). Pollen data indicates most of the grazed woodland to be open pasture, while the area in active cultivation (3) should be expanded by (min.) 400% during the Late Hallstatt.

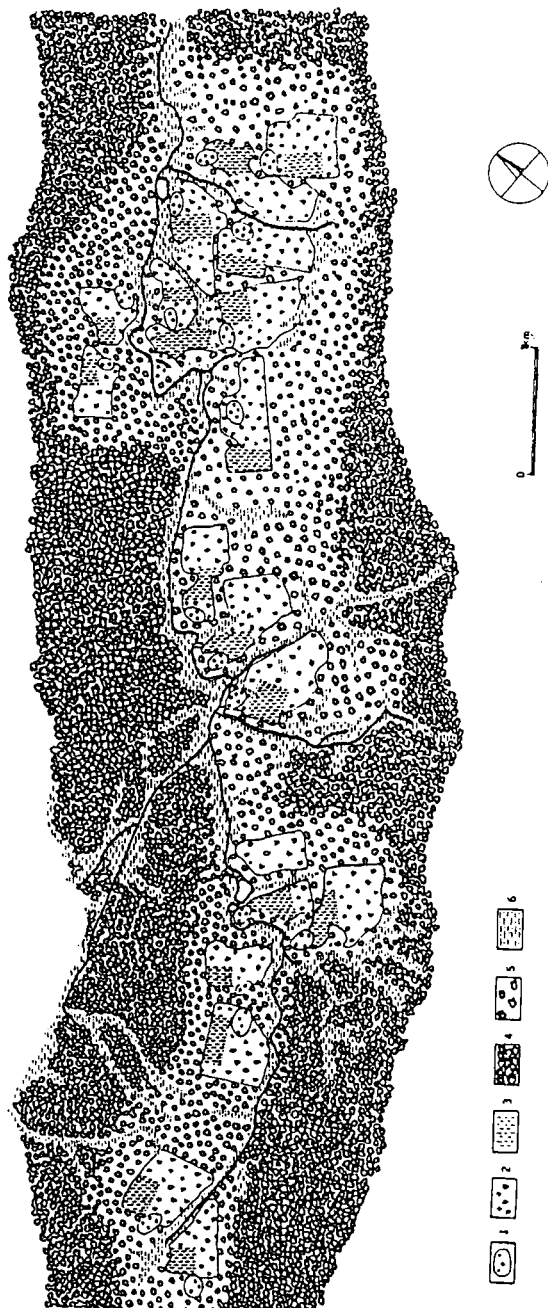


Fig. 143. Nitriansky Hrádok, profile of Maďarovce Culture Feature 3 cutting into Late Neolithic ditch (after Točík 1981).

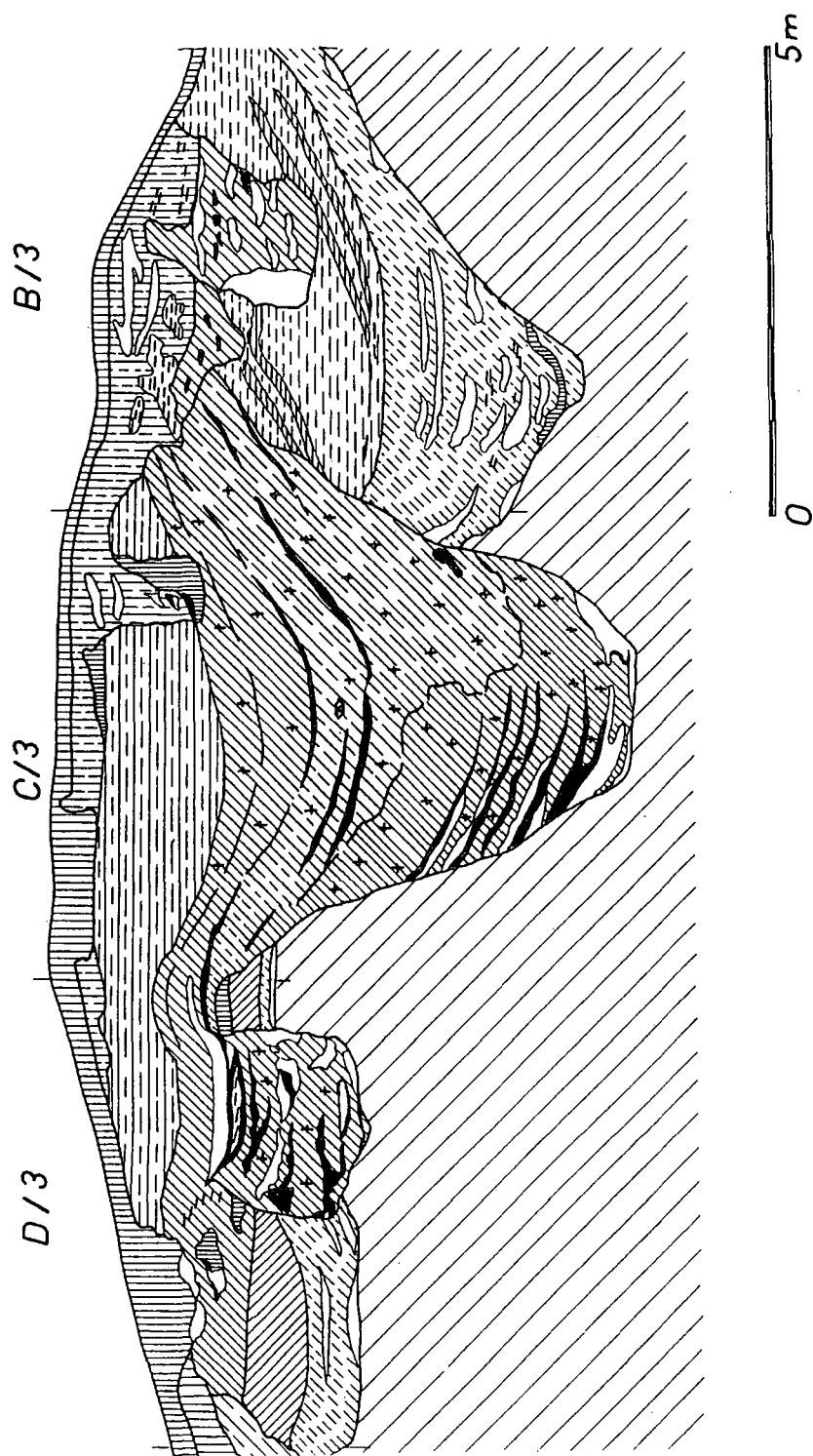


Fig. 144. Nitriansky Hrádok, excavation of Feature 3 in progress (after Točík 1981).



Fig. 145. Bio-geographic zonation of the Czech and Slovak Republics (after Opravil 1967).

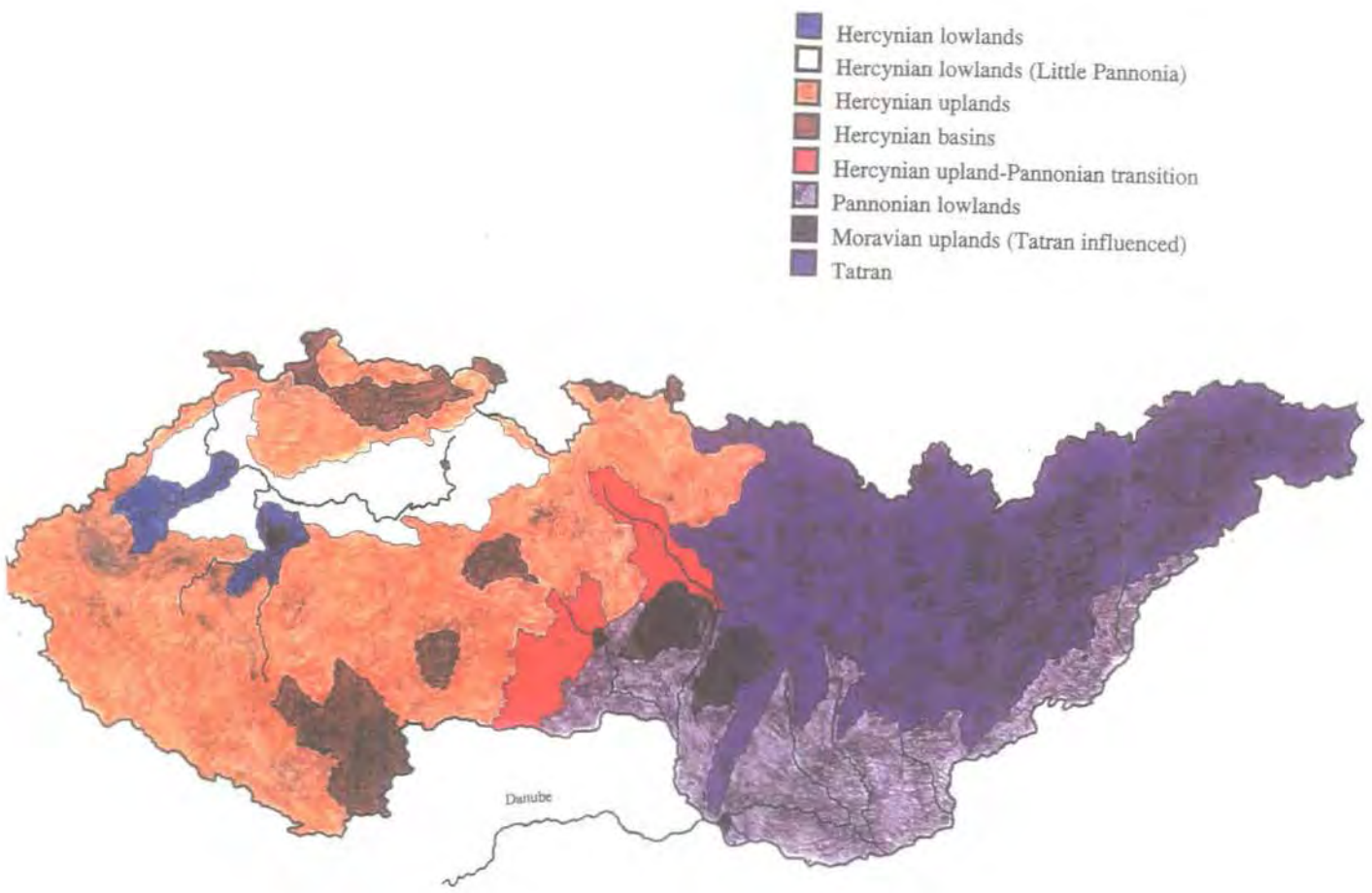


Fig. 146. Vegetation map of the Czech and Slovak Republics (adapted after various sources)

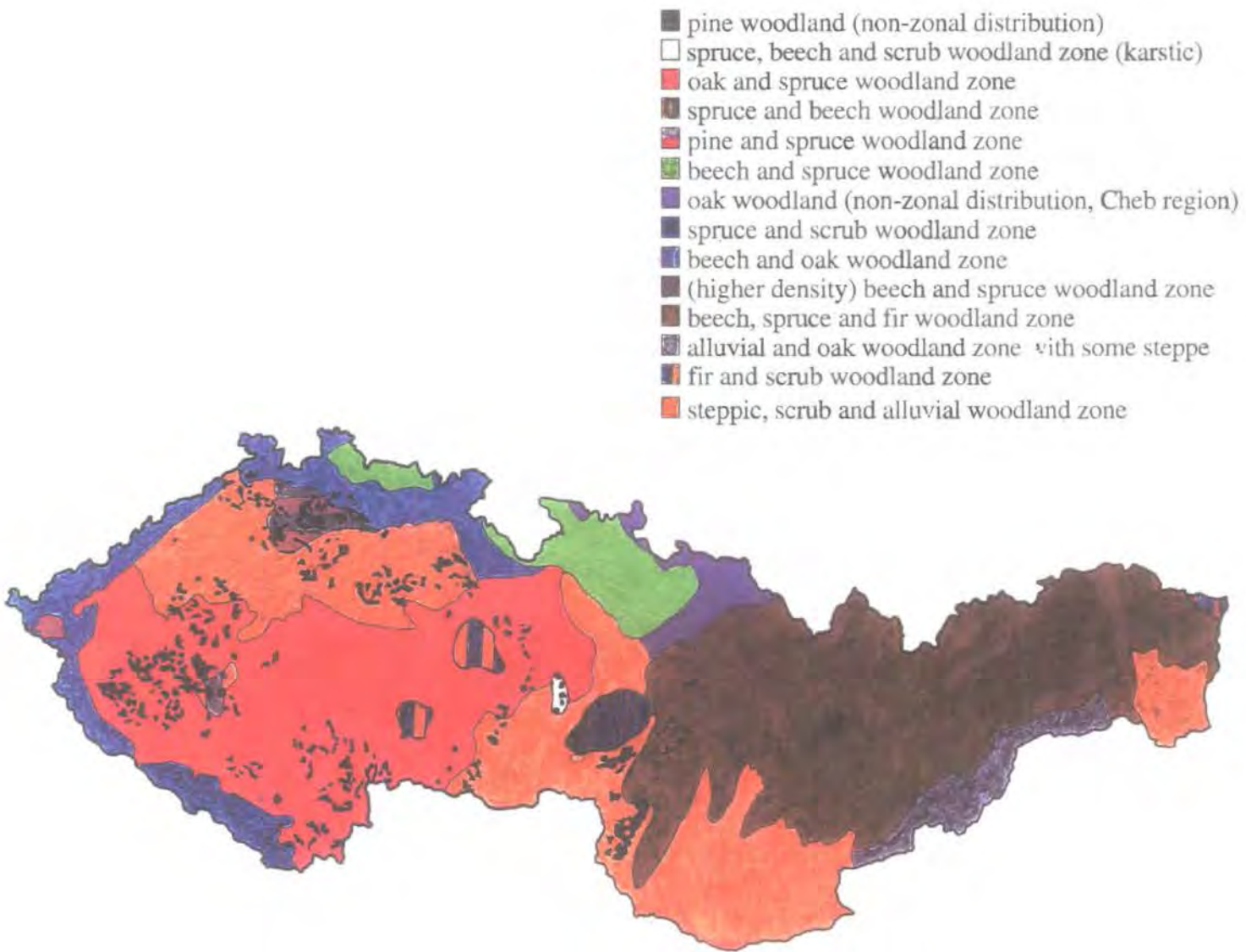


Fig. 147. Soil geologic map of the Czech and Slovak Republics (after Ústřední Ústav Geologický 1967)

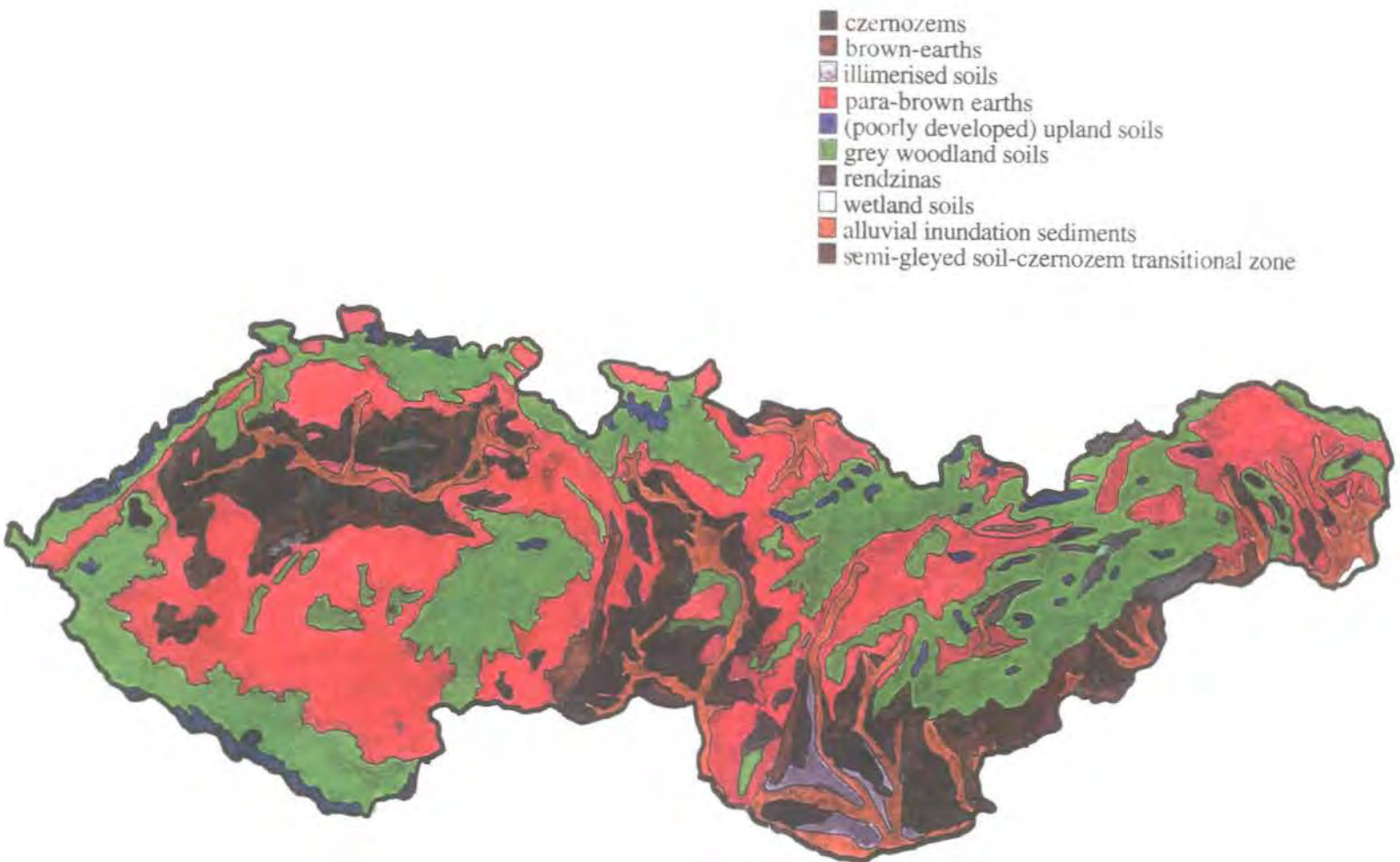


Fig. 148. Overview map of select sites. Site names are keyed to numbers as follows: 1. Konobřez, 2. Lužický potok, Cachovice, Tušemice, 3. Komořany, 4. Lomský potok, Liptice, 5. Radovesice, 6. Vranský potok, Vraný, 7. Litoměřice, 8. Doksy, 9. Únětický potok, Rotztoky, Prague-Baba, -Lysolaje, -Podhoří, -Bubeneč, 10. Vínorský potok, Vínov, Jenštejn, 11. Srbsko, 12. Režabinec, 13. Bylany, 14. Bezkov, Šatov, Těšetice, 15. V Pískách, Dolní Veštonice, 16. Mikulčice, 17. Mistrín, 18. Vracov, 19. Strážnice, 20. Mýtna Nová Ves, 21. Nitrianský Hradok, 22. Březno, Postoloprty, 23. Vikletice, Žatec, Soběsuky, 24. Slány, Homolka, 25. Kolín, Velim, 26. Jevišovice, 27. Křepice, 28. Grešlové Myto, 29. Brno-Líšeň, -Holásky, 30. Ostapovice, Ledce, 31. Krumvíř, 32. Rmíz, 33. Hulín, 34. Hlinsko, 35. Iža, Můžla Jurský Chlm, 36. Kladná-Žilín, 37. Malé Kosihy, 38. Svodín, 39. Bajč, 40. Mikulovice, Hradec (Kadaň), 41. Radonice, Chotěbudice, 42. Blšany, 43. Černosice, 44. Hradec Králové, Předměřice, 45. Horní Počaply, 46. Blučina, 47. Lovčičky, 48. Velká Hostěrady, Křenovice, 49. Uherské Hradiště, 50. Sehradice, 51. Vlachovice, 52. Hradisko, 53. Moravičany, 54. Holešov, 55. Pri Mylně (Budmerice), 56. Haje, Abrahám, 57. Čataj, 58. Veselé, 59. Zámek (Boleráz), 60. Moravany nad Váhom, 61. Jelšovice, 62. Hradný Kopec, Nitra Párovské Háje, 63. Bánov, 64. Dvory nad Žitavou, 65. Kamenín, 66. Radzovce, 67. Včelínce, 68. Chotín, 69. Trnovec, 70. Sereď, 71. Horákov, 72. Býčí Skála, 73. Zelená Hora, 74. Černov, 75. Náklo, 76. Hostýn, 77. Požaha, 78. Staré Hradisko, 79. Bořitov, 80. Závist, 81. Litoměřice, 82. Poláky, 83. Želenice, 84. Třebusice, 85. Tišice, 86. Radvaň nad Dunajom.

