

CONTENTS

6-8	List of Figures
8-9	List of Tables
9	List of Plates
9	List of Insets
11-18	1. The Site
11-12	1.1. Site Location and Regional Environment
12-13	1.2. Site Geology
13-14	1.3. History of Site Investigation
14-16	1.4. Magdalenian (?) or Late Upper Palaeolithic Finds in the Vicinity of the Site at Hostim
16-18	1.5. Method of Excavation 1963-69
19-31	2. The Find Situation
19-20	2.1. Stratigraphy of the Site
20-21	2.2. Spatial Structure of the Site
22-28	2.2.1. Interpretation of the Dwelling
28-30	2.2.2. The Problem of Hearths
30-31	2.2.3. Refittings
32-204	3. Finds
32-124	3.1. Chipped Industry
32-34	3.1.1. Spatial Distribution of the Chipped Industry
34-38	3.1.2. Description of the Chipped Industry
38-53	3.1.3. Processing and Technology
38-52	3.1.3.1. Cores
52-53	3.1.3.2. Blades, Flakes, etc.
53-116	3.1.4. Tools
63	3.1.4.1. End-scrapers
66	3.1.4.2. Combined Tools
66	3.1.4.3. Borers or Perforators
66-67	3.1.4.4. Burins

67	3.1.4.5. Points and Knives
67	3.1.4.6. Different Tools
67-112	3.1.4.7. Chisels
112-113	3.1.4.8. Microtools
113-114	3.1.4.9. Comparison of the Assemblage from the 1963-69 Excavation with F. Prošek's collection
114-116	3.1.4.10. Discussion
116-121	3.1.5. Raw Materials of the Chipped Industry
122-124	3.1.6. Use-wear Traces
124-136	3.2. Pebble Tools
125-134	3.2.1. Find Description
134-135	3.2.2. List of the Refittings of the Macrolithic Industry
135-136	3.2.3. Macroliths in the Magdalenian
137-140	3.3. Hammers and Retouchoirs
138-140	3.3.1. Find Description
140-148	3.4. Bowls
144-145	3.4.1. Find Description
146-148	3.4.2. Bowls (recipients) in the Magdalenian
148-150	3.5. Palettes: Ground Slabs and Tablets
150	3.5.1. Find Description
150-160	3.6. Colouring Pigments
156-158	3.6.1. Description of the Selected Shaped or Used Pieces
158-160	3.6.2. Discussion
160-161	3.7. Ornaments
161-174	3.8. Engravings
164-170	3.8.1. Description of the Objects with Engravings
170-174	3.8.2. Discussion
174	3.9. Painting
174-175	3.10. Pole-shaped Pebbles
175	3.11. Whetstones
176-178	3.12. Stone Slabs
179	3.13. Negative Observations and Traces
180-182, 184-195	3.14. Faunal Remains (by Oldřich Fejfar)
180	3.14.1. Preservation of the Skeletal Material (by Oldřich Fejfar)
181-182	3.14.2. Notes to Single Species (by Oldřich Fejfar)

182-202	3.14.3. The Problems of Evaluation of the Remains of Prey
202-203	3.15. Malacofauna (by Jiří Kovanda)
204	3.16. Charcoal
204	3.17. Holocene Intrusions
205-224	4. Formal Methods at Hostim (by Evžen Neustupný and Slavomil Vencl)
205-207	4.1. The Record
205-206	4.1.1. The Empirical Basis
206-207	4.1.2. The Descriptive System
207-218	4.2. The Spatial Structure of Empirical Descriptors
207	4.2.1. The Method
208-218	4.2.2. Spatial Patterns
218-222	4.3. The Multivariate Structures
218-220	4.3.1. The Method
220-222	4.3.2. Results of the Method
222-224	4.4. Interpretation
222	4.4.1. The Possible Impact of Transformations
223	4.4.2. The Role of Refuse Deposition
223-224	4.4.3. The Spatial Information at Hostim
225-226	5. Absolute Dating
227-247	6. The Hostim Site in the Frame of Central European Magdalenian
227-244	6.1. Magdalenian in Bohemia
227-239	6.1.1. Site List
239-244	6.1.2. Evaluation of the Magdalenian Sites of Bohemia
244-247	6.2. Bohemian Magdalenian in Relation to the Neighbouring Territories
249-256	Czech Summary
257-264	References
	Plates
	Insets

FIGURES

13	<i>Fig. 1.</i> Hostim, distr. of Beroun. Topographical situation.
15	<i>Fig. 2.</i> Hostim, distr. of Beroun. View of the area of Šanův Kout from the south.
17	<i>Fig. 3.</i> Hostim, distr. of Beroun. Views of the excavation in 1964.
25	<i>Fig. 4.</i> Tent of the Caribou Eskimo.
27	<i>Fig. 5.</i> Hostim, distr. of Beroun. Spatial distribution of the fire traces.
29	<i>Fig. 6.</i> Hostim, distr. of Beroun. The summary of all refittings (slabs, bowls and macroliths).
35	<i>Fig. 7.</i> Hostim, distr. of Beroun. The distribution of the chipped industry.
36	<i>Fig. 8.</i> Hostim, distr. of Beroun. Relative density of the chipped industry presented by the technique of <i>Kind</i> 1985.
37	<i>Fig. 9.</i> Hostim, distr. of Beroun. Relative density of the chipped industry expressed by contour analysis.
46	<i>Fig. 10.</i> Hostim, distr. of Beroun. The distribution of cores, their fragments, rests and raw material pieces.
47	<i>Fig. 11.</i> Hostim, distr. of Beroun. Examples of the single platform cores.
48	<i>Fig. 12.</i> Hostim, distr. of Beroun. Examples of the double platform cores.
49	<i>Fig. 13.</i> Hostim, distr. of Beroun. Examples of the double platform cores.
50	<i>Fig. 14.</i> Hostim, distr. of Beroun. Examples of the double platform cores.
51	<i>Fig. 15.</i> Hostim, distr. of Beroun. Examples of cores.
54	<i>Fig. 16.</i> Hostim, distr. of Beroun. Spatial distribution of blades and bladelets.
55	<i>Fig. 17.</i> Hostim, distr. of Beroun. Blades.
56	<i>Fig. 18.</i> Hostim, distr. of Beroun. Spatial distribution of retouched blades.
57	<i>Fig. 19.</i> Hostim, distr. of Beroun. Distribution of crest blades.
58	<i>Fig. 20.</i> Hostim, distr. of Beroun. Spatial distribution of the waste from chipped industry production.
59	<i>Fig. 21.</i> Hostim, distr. of Beroun. Distribution of the micro-waste.
60	<i>Fig. 22.</i> Hostim, distr. of Beroun. Spatial distribution of the tools.
61	<i>Fig. 23.</i> Hostim, distr. of Beroun. Relative density of the tools presented by the technique of <i>Kind</i> 1985.
62	<i>Fig. 24.</i> Hostim, distr. of Beroun. Density of the tools presented by contour analysis.
68	<i>Fig. 25.</i> Hostim, distr. of Beroun. Spatial distribution of end-scrapers.
69	<i>Fig. 26.</i> Hostim, distr. of Beroun. Distribution of the combined tools.
70	<i>Fig. 27.</i> Hostim, distr. of Beroun. Spatial distribution of borers.
71	<i>Fig. 28.</i> Hostim, distr. of Beroun. Spatial distribution of burins, burin spalls and burins in combined tools.
72	<i>Fig. 29.</i> Hostim, distr. of Beroun. Spatial distribution of chisels (pièces esquillées).
73	<i>Fig. 30.</i> Hostim, distr. of Beroun. Spatial distribution of all variants of backed bladelets.

74-80	<i>Figs. 31-37.</i> Hostim, distr. of Beroun. End-scrappers.
81-82	<i>Figs. 38-39.</i> Hostim, distr. of Beroun. Combined tools.
83-92	<i>Figs. 40-49.</i> Hostim, distr. of Beroun. Borers (perforators).
93	<i>Fig. 50.</i> Hostim, distr. of Beroun. Becks.
94-97	<i>Figs. 51-54.</i> Hostim, distr. of Beroun. Burins.
98	<i>Fig. 55.</i> Hostim, distr. of Beroun. Notches, bladelet with notches and questionable, resp. unfinished tools.
99	<i>Fig. 56.</i> Hostim, distr. of Beroun. Different tools.
100	<i>Fig. 57.</i> Hostim, distr. of Beroun. Retouched blades and flakes.
101-108	<i>Figs. 58-65.</i> Hostim, distr. of Beroun. Chisels (splintered pieces).
109-110	<i>Figs. 66-67.</i> Hostim, distr. of Beroun. Backed bladelets.
111	<i>Fig. 68.</i> Hostim, distr. of Beroun. Combined backed bladelets.
115	<i>Fig. 69.</i> Hostim, distr. of Beroun. Cumulative graph of chipped tools.
116	<i>Fig. 70.</i> Hostim, distr. of Beroun. Selected tools from the collection of J. Petrbok.
118	<i>Fig. 71.</i> Hostim, distr. of Beroun. Frequency of chipped industry raw material from the collection 1963-69.
119	<i>Fig. 72.</i> Hostim, distr. of Beroun. Examples of raw material.
120	<i>Fig. 73.</i> Hostim, distr. of Beroun. Distribution of chipped industry made of slate.
123	<i>Fig. 74.</i> Hostim, distr. of Beroun. Distribution of chipped artifacts with macroscopic traces of use-wear.
126	<i>Fig. 75.</i> Hostim, distr. of Beroun. Distribution of the pebble tools (macroliths).
127	<i>Fig. 76.</i> Hostim, distr. of Beroun. Refittings of macroliths.
128-131	<i>Figs. 77-80.</i> Hostim, distr. of Beroun. Macrolithic industry.
137	<i>Fig. 81.</i> Hostim, distr. of Beroun. Distribution of retouchoirs.
138	<i>Fig. 82.</i> Hostim, distr. of Beroun. Hammers.
139	<i>Fig. 83.</i> Hostim, distr. of Beroun: broken horse phalanx with inserted blade, bowl with engravings and with black remains of organic material inside, retouchoir, refitting of a slate slab with blade negatives.
141	<i>Fig. 84.</i> Hostim, distr. of Beroun. Distribution of bowls and their refittings.
142	<i>Fig. 85.</i> Hostim, distr. of Beroun. Bowl shaped by flaking.
143-144	<i>Figs. 86-87.</i> Hostim, distr. of Beroun. Bowls.
149	<i>Fig. 88.</i> Hostim, distr. of Beroun. Distribution of the palettes.
154	<i>Fig. 89.</i> Hostim, distr. of Beroun. Distribution of colouring pigments.
155	<i>Fig. 90.</i> Hostim, distr. of Beroun. Distribution of colouring pigments after dimensions.
157	<i>Fig. 91.</i> Hostim, distr. of Beroun. Shaped and ornamented, resp. used pieces of colouring pigments.
161	<i>Fig. 92.</i> Hostim, distr. of Beroun. Ornaments.
162	<i>Fig. 93.</i> Hostim, distr. of Beroun. Distribution of slate tablets.
163	<i>Fig. 94.</i> Hostim, distr. of Beroun. Refittings of engraved tablets.
165-169	<i>Figs. 95-99.</i> Hostim, distr. of Beroun. Engravings.
175	<i>Fig. 100.</i> Hostim, distr. of Beroun. Painting on stone slab.
198	<i>Fig. 101.</i> Hostim, distr. of Beroun. Distribution of faunal remains.
199	<i>Fig. 102.</i> Hostim, distr. of Beroun. Distribution of remains of horses.

203	<i>Fig. 103.</i> Hostim, distr. of Beroun. Distribution of post-Palaeoolithic finds.
209	<i>Fig. 104.</i> Hostim, distr. of Beroun. Spatial distributions of chipped industry, tools, waste.
210	<i>Fig. 105.</i> Hostim, distr. of Beroun. Spatial distributions of micro-waste, blades and bladelets, retouched blades.
211	<i>Fig. 106.</i> Hostim, distr. of Beroun. Spatial distributions of crest blades, backed bladelets, burin spalls.
212	<i>Fig. 107.</i> Hostim, distr. of Beroun. Spatial distributions of end-scrapers, traces of use-wear, borers or perforators.
213	<i>Fig. 108.</i> Hostim, distr. of Beroun. Spatial distributions of chisels, slate, macroliths.
214	<i>Fig. 109.</i> Hostim, distr. of Beroun. Spatial distributions of burins and combined tools.
215	<i>Fig. 110.</i> Hostim, distr. of Beroun. Spatial distributions of bones, bowls, engravings.
216	<i>Fig. 111.</i> Hostim, distr. of Beroun. Spatial distributions of cores, burnt chipped artifacts, colouring pigments (ochre).
217	<i>Fig. 112.</i> Hostim, distr. of Beroun. Overlays of some of the spatial distributions (waste minus microwaste, burin spalls minus burins, Löhr's groups A minus B).
221	<i>Fig. 113.</i> Hostim, distr. of Beroun. Spatial distributions of factors scores.
228	<i>Fig. 114.</i> Bečov, distr. of Most. Topography of the Magdalenian settlement.
229	<i>Fig. 115.</i> Beroun-Závodí, distr. of Beroun. Topography of the Magdalenian site.
230	<i>Fig. 116.</i> Dobříčany, distr. of Louny. Topography of the Magdalenian site.
231	<i>Fig. 117.</i> Keblice, distr. of Litoměřice. Topography of the Magdalenian site.
233	<i>Fig. 118.</i> Keblice, distr. of Litoměřice. Selected finds.
234	<i>Fig. 119.</i> Kvíc, distr. of Kladno. Topography of the Magdalenian site.
235	<i>Fig. 120.</i> Topographies of the Magdalenian sites Lhota and Putim, both distr. of Písek.
236	<i>Fig. 121.</i> Náchod, distr. of Náchod. Topography of the Magdalenian site.
237	<i>Fig. 122.</i> Svatý Jan pod Skalou, distr. of Beroun. Na Průchodě cave from the south.
238	<i>Fig. 123.</i> Svatý Jan pod Skalou, distr. of Beroun. Stratigraphy of the Na Průchodě cave.
243	<i>Fig. 124.</i> Magdalenian settlement in Bohemia.

TABLES

33	<i>Table 1.</i> Hostim. Spatial distribution of some attributes of the chipped industry (in %).
39-45	<i>Table 2.</i> Hostim. Frequency of the morphological categories of the chipped industry in individual squares (m^2).
53	<i>Table 3.</i> Hostim. Composition of basic groups of the chipped industry.
64-65	<i>Table 4.</i> Hostim. List of tool types.
114	<i>Table 5.</i> Hostim. Comparison of the frequency of tool groups.
117	<i>Table 6.</i> Hostim. Raw material of the chipped industry.
150	<i>Table 7.</i> Hostim. Spatial distribution of colouring pigments (ochre).

151-153	<i>Table 8.</i> Hostim. Frequency of colouring pigments in individual squares (m^2).
173	<i>Table 9.</i> Comparison of selected attributes of Magdalenian art in Bohemia, Moravia and Saxony - Thuringia.
184-195	<i>Table 10.</i> Hostim. List of faunal remains.
196	<i>Table 11.</i> Hostim. Summarized data on faunal remains.
206	<i>Table 12.</i> Hostim. Descriptors of the descriptive system.
219	<i>Table 13.</i> Hostim. Rotated factor loadings of the first four factors.
240	<i>Table 14.</i> Magdalenian sites in Bohemia - basic data.
242	<i>Table 15.</i> Characteristic attributes of Magdalenian sites in Bohemia.
245	<i>Table 16.</i> Comparison of some attributes in Magdalenian settlement groups from Saxony-Thuringia, Bohemia and Moravia.
247	<i>Table 17.</i> Hostim. Spatial distribution of basic finds categories (in %).

PLATES

- Plate I.* Hostim, district of Beroun. Views on the Magdalenian open-air site.
Plates II-III. Hostim, district of Beroun. Macroscopic traces of use-wear on chipped artifacts.
Plates IV-VII. Hostim, district of Beroun. Macrolithic industry.
Plates VIII-IX. Hostim, district of Beroun. Bowls.
Plate X. Hostim, district of Beroun. Palettes.
Plates XI-XII. Hostim, district of Beroun. Colouring pigments.
Plates XIII-XV. Hostim, district of Beroun. Engravings.
Plate XVI. Hostim, district of Beroun. Examples of preservation of faunal remains.

INSETS

- Inset 1.* Hostim, district of Beroun. Excavation 1963-69. Distribution of finds with exception of chipped industry.
Inset 2. Hostim, district of Beroun. Excavation 1963-69. Stratigraphy: Sections AB, CD and EF.
Inset 3. Hostim, district of Beroun. Excavation 1963-69. Numbering of squares (m^2).