

APPENDIX

Swords in this appendix are listed according to types and variants. Within those subdivisions the order is by countries, generally from west to east. Within countries the entries are in alphabetical order by the name of the civil parish.¹

List 1 – Type Huelva, Variant Cambes

This variant features rivet slots in both the grip and the shoulders. The grip in these swords is slightly swollen, with convex sides, and ends in a fish-tail terminal. *Ricasso* notches tend to be rather slight or are lacking altogether (see fig 4a). The distribution area of this variant is limited mostly to France south of the river Loire and to Iberia (see fig 5).

1. **Bornos** (“Las Angosturas”), Prov. Cádiz, Spain. – From the river Guadalete. – Brandherm 2007a, 61 no. 54
- 2.–4. **Huelva** (“Ría de Huelva”), Prov. Huelva, Spain. – From the Odiel estuary. – Brandherm 2007a, 65–66 nos. 88–90
5. **Puertollano** (“Camino de Santiago”), Prov. Ciudad Real, Spain. – Hoard. – Brandherm 2007a, 65 no. 84
6. **Basse-Indre**, Loire-Atlantique, France. – From the river Loire. – Breuil 1900, 532 fig 8.27 (incorrect provenance “Saint-Philbert-de-Grand-Lieu”)
7. **Cambes**, Gironde, France. – From the river Garonne. – Coffyn 1985, 109 figs 17.3; 48.1
8. **Évry**, Essonne, France. – From the river Seine. – Guillaumet *et al* 1999, 65 fig 23.2
9. **Bobenheim-Roxheim** (“Silbersee”), Kr. Ludwigshafen, Germany. – From a former bed of the river Rhine. – Sperber 2006, 200 fig 5.1
10. **Prov. Nuoro**, Italy. – Find circumstances unknown. – Lo Schiavo 1978, 87 no. 4 pl 27.1

¹ This revised and updated catalogue is based on the lists of carp's-tongue swords presented in Brandherm and Burgess 2008, 154–162; most of the additions are from Moskal 2007. For a number of doubtful pieces omitted from our lists cf Brandherm and Burgess 2008, 154 note 100. In addition, the previously included sword from Piré-sur-Seiche (Brandherm and Burgess 2008, 154 no. 13) and a blade fragment allegedly forming part of the Amboise “Les Châtelliers” hoard (Brandherm and Burgess 2008, 160 no. 355) are also omitted here. The piece from Piré-sur-Seiche has been dropped as on closer examination it would not seem to fall into the category of carp's-tongue swords, and the respective blade fragment because it does not actually form part of the assemblage in question, but in fact comes from some other hoard, probably that from Saint-Genouph (pers comm P-Y Milcent 13 Nov 2008), already included as no. 533 in the present catalogue.

List 2 – Type Huelva, Variant Mouy (previously “other swords with swollen grip”)

These swords share the slightly swollen grip of Variant Cambes, usually terminating in a fish-tail or fan-shaped terminal. However, they are distinguished from the former variant by the presence of rivet holes rather than slots in the grip and/or the shoulders. These rivet holes tend to be quite small. On most swords of Variant Mouy also the shoulder angle is slightly steeper and the *ricasso* notches are more pronounced than in the previous variant (see fig 4b). The distribution of these pieces is quite different, too, with only one find outside northern France, from the shores of Lake Geneva (see fig 5).

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| <p>11. Lannion, Côtes-d’Armor, France. – From the river Guer. – Briard 1971a, 51 fig 1.3</p> <p>12. Mouy, Oise, France. – From the Marais de Coincourt. – Blanchet 1984, 308 fig 170.3</p> <p>13. Nantes, Loire-Atlantique, France. – From the river Loire. – Briard 1965, 203 fig 69.1</p> | <p>14. Ireland? – Find circumstances unknown. – Eogan 1965, 150 no. 562</p> <p>15. Harelbeke, Prov. West-Vlaanderen, Belgium. – From the river Leie. – Brandherm and Warmenbol 2008, 43 fig 1</p> <p>16. Morges (“Grande Cité”), Kt. Vaud, Switzerland. – From a pile dwelling. – Schauer 1971, 188 no. 569</p> |
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List 3 – Type Huelva, Variant Marmolejo (previously “other swords with straight-sided grip”, list 5)

This variant is characterised by a straight-sided grip and T-terminal, with rivet slots in both grip and shoulders. On rare occasions, the slot in the grip is subdivided by a bridge, turning the standard triple-slot hilt into a four-slot hilt. Pieces with this latter feature are not always easy to distinguish from imperfectly cast or damaged swords of the following Variant Oissel (see fig 4c). With the sole exception of a find from Switzerland, so far all swords of Variant Marmolejo are from the Iberian Peninsula (see fig 5).

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| <p>17. 18. Alcalá del Río, Prov. Sevilla, Spain. – From the river Guadalquivir. – Brandherm 2007a, 64–65 nos. 82–83</p> <p>19. Cangas de Morazzo (“Hío”), Prov. Pontevedra, Spain. – Hoard. – Brandherm 2007a, 61 no. 55</p> <p>20.–35. Huelva (“Ría de Huelva”), Prov. Huelva, Spain. – From the Odiel estuary. – Brandherm 2007a, 62, 66–</p> | <p>69 nos. 59–61, 91–92, 94–101, 104–105, 114</p> <p>36. Marmolejo, Prov. Jaén, Spain. – From the river Guadalquivir. – Brandherm 2007a, 65 no. 86</p> <p>37. Moraleda de Zafayona (“Cerro de la Miel”), Prov. Granada, Spain. – From a settlement. – Brandherm 2007a, 65 no. 85</p> |
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- 38. Palos de la Frontera** (“Mata-lascañas”), Prov. Huelva, Spain. – From the seabed off Palos de la Frontera. – Brandherm 2007a, 61 no. 57
- 39. 40. Sigüenza**, Prov. Guadalajara, Spain. – Hoard? – Brandherm 2007a, 68 nos. 106–107
- 41. Auvernier**, Kt. Neuchâtel, Switzerland. – From a pile dwelling. – Schauer 1971, 187 no. 554

List 4 – Type Huelva, Variant Oissel (previously “bar-hilted swords”)

The diagnostic feature of this variant is the bar-hilt, narrow, parallel-sided and with three large rivet-holes in the grip. In some instances, a bridge between two of the rivet-holes in the grip may be all but missing, as a consequence either of imperfect casting or of stress from use and re-riveting. As in the pieces of Variant Marmolejo, with which they have much in common, the grip usually ends in a T-shaped terminal. Morphological variation among swords of this variant from the Ría de Huelva is slightly more pronounced than among the remainder of the group, in that the sides of the grip may taper or bulge very slightly and the terminal then may be of fish-tail shape. With the exception of the latter, the majority of pieces from this variant also feature individual rivet holes in the shoulders, although on occasions these can take the form of ‘mini-slots’. *Ricasso* notches may vary from imperceptible to quite pronounced (see fig 4d). A single find from central Germany apart, pieces of this variant have so far been found in northern France and western Andalusia (see fig 5). This bimodal distribution pattern together with the somewhat greater morphological variation found among the Iberian pieces of this variant might indicate that we are dealing with the output from two distinct groups of workshops.

- 42. Estepa** (“Remanso de las Golondrinas”), Prov. Sevilla, Spain. – From the river Genil. – Brandherm 2007a, 61 no. 58
- 43.–64. Huelva** (“Ría de Huelva”), Prov. Huelva, Spain. – From the Odiel estuary. – Brandherm 2007a, 59–63, 65–66, 69 nos. 45–49, 51–52, 62–64, 66–74, 87, 93, 115
- 65. Cap de La Hague**, Manche, France. – From the seabed off Cap de la Hague. – Briard *et al* 1977, 48 no. 93
- 66. Corbeil-Essones**, Yvelines, France. – From the river Seine. – Mohen 1977, 252 no. 91-47 fig 595
- 67. Nantes** (“en face le château”), Loire-Atlantique, France. – From the river Loire. – Briard 1965, 190 fig 64.3
- 68. Oissel**, Seine-Maritime, France. – Find circumstances unknown. – Billard *et al* 1993, 69–70 fig 14.5
- 69. Paris area**, Seine, France. – Find circumstances unknown. – Mohen 1977, 246 no. 75-22 fig 594
- 70. Saint-Philbert-de-Grand-Lieu**, Loire-Atlantique, France. – From the river Boulogne. – Briard 1965, 205 fig 69.4
- 71. Villeneuve-Saint-Georges**, Val-de-Marne, France. – From the river Seine. – Mohen 1977, 254 no. 91-59 fig 597

- 72. Unprovenanced** (Mus. Rouen), France. – Find circumstances unknown. – Verron 1971, 71 no. 76
- 73. Katlenburg**, Ldkr. Northeim, Germany. – From the river Ruhme. – Kubach 1983, 150 fig 8.2

List 5 – Type Huelva, Variant Puertollano (previously list 3)

The diagnostic feature of these weapons is their limited length. These are short swords, half or less the length of other Type Huelva pieces. In all other respects they share their general characteristics. All swords of this variant known at present feature a triple-slot hilt, similar to the Cambes variant (see fig 4e). As might be expected, their distribution is also similar, limited to Iberia and south-west France (see fig 5). It should be stressed that pieces which have been shortened by clearly recognizable secondary working, such as that from Oissel (see fig 4d), are not included in this group.

- 74. Estepa** (“Remanso de las Golondrinas”), Prov. Sevilla, Spain. – From the river Genil. – Brandherm 2007a, 74 no. 159
- 75. Frechilla** (“Las Frailas”), Prov. Palencia, Spain. – Single find. – Brandherm 2007a, 73–74 no. 158
- 76. 77. Huelva** (“Ría de Huelva”), Prov. Huelva, Spain. – From the Odiel estuary. – Brandherm 2007a, 74 nos. 160–161
- 78. Palma del Río**, Prov. Córdoba, Spain. – Find circumstances unknown. – Brandherm 2007a, 74 no. 162
- 79.–87. Puertollano** (“Camino de Santiago”), Prov. Ciudad Real, Spain. – Hoard. – Brandherm 2007a, 72–73 nos. 149–157
- 88. Port-Sainte-Foy**, Gironde, France. – From the river Dordogne. – Chevillot 1991, 156 pl 8.6

List 6 – Type Huelva, variant undetermined

A number of Huelva-type swords are too damaged to allow attribution to any particular variant. The reason such pieces are lacking from France lies in Type Huelva swords north of the Pyrenees not usually having been deposited as fragments in hoards. The sole exception to this is the Llancarfan I hoard from South Wales, which has produced the only Type Huelva sword from any type of context in Britain so far (see fig 5).

- 89.–98. Huelva** (“Ría de Huelva”), Prov. Huelva, Spain. – From the Odiel estuary. – Brandherm 2007a, 62–64, 67 nos. 65, 75–81, 102–103
- 99. Humada** (“Peña Amaya”), Prov. Burgos, Spain. – From a settlement. – Brandherm 2007a, 68–69 no. 109

- 100. Salvatierra de Miño** (“Illa de Touzas”), Prov. Pontevedra, Spain. – From the river Miño. – Brandherm 2007a, 61 no. 56
- 101. Pont-Saint-Esprit**, Gard, France. – From the river Rhône. – Robert *et al* 1978, 217 fig 2 b
- 102. Ribiers** (“Vallon de Claret”), Hautes-Alpes, France. – Hoard. – Chantre 1875/76, 118 pl 25.6
- 103. Llancarfan** (I), Glamorgan, Great Britain. – Hoard. – Gwilt 2005/06, 221 no. 1223-1

List 7 – Type Nantes, Variant Amboise

The convex sides of the grip constitute the main characteristic of this variant, giving the grip a slightly swollen outline. Most pieces in this variant feature individual rivet holes. While rivet slots instead of individual holes do appear on a number of grips, they rarely occur on the shoulders. All of the pieces feature more or less pronounced *ricassi* (see fig 2a). Swords of Variant Amboise are very widely distributed, from southern Britain to Switzerland, and from Brittany to Poland, with a pronounced concentration of finds in northern and western France (see fig 3).

- 104. Amboise**, Indre-et-Loire, France. – From the river Loire. – Bastien 1966, CCLXIV–CCLXVI fig 3
- 105. 106. Amiens** (“Le Plainseau”), Somme, France. – Hoard. – Blanchet 1984, 279 fig 154.75, 80
- 107. Auvers**, Manche, France. – Hoard. – Germond *et al* 1988, 16 fig 2.3
- 108. Auxerre area**, Yonne, France. – From a burial. – Quilliec 2007, no. 4029
- 109.–111. Bangor** (“Keriéro”), Morbihan, France. – Hoard. – Boulud and Fily 2009, 290 fig 9
- 112. Besançon**, Doubs, France. – Find circumstances unknown. – Millotte 1958, no. 76 pl 6.76
- 113. Bourges**, Cher, France. – From a bog. – Méloizes 1889/90, 33–36 pl 1.7
- 114. Brion** (“Grandes-Chapelles”), Indre, France. – Settlement. – Buchsenschutz *et al* 1979, 413 figs 7.6; 11
- 115.–118. Challans** (“La Villate”), Vendée, France. – Hoard. – Verney 1990a, 397–400 fig 2.1, 3, 8–9
- 119. Déps. Charente-Maritime or Gironde**, France. – From the Gironde estuary. – Coffyn 1987, 29–30 fig 2
- 120. 121. Cherbourg area**, Manche, France. – Find circumstances unknown. – Coutil 1922, fig 2
- 122. 123. Gouesnac’h** (“Kergaradec 1”), Finistère, France. – Hoard. – Fily 2009, 97 fig 4.1
- 124. Gouesnac’h** (“Kergaradec 2”), Finistère, France. – Hoard. – Fily 2009, 100
- 125. 126. Gouesnac’h** (“Menez-Tosta”), Finistère, France. – Hoard. – Briard 1958, nos. 33, 39
- 127. Graille-Sainte-Honorine**, Seine-Maritime, France. – Hoard. – Coutil 1921, 806 pl 5

128. **Locmariaquer** (“Pont-er-Vil”), Morbihan, France. – Hoard. – Marsille 1937, 5 no. 12
129. **Mauves-sur-Loire or Thouaré-sur-Loire**, Loire-Atlantique, France. – From the river Loire. – Poissonnier 1999, 238
130. **Nantes**, Loire-Atlantique, France. – From the river Loire. – Briard 1971a, 55 fig 2.3
131. **Nantes area**, Loire-Atlantique, France. – Find circumstances unknown. – Briard 1971a, 55 fig 3.1
132. **Neuilly-sur-Seine**, Hauts-de-Seine, France. – From the river Seine. – Mohen 1977, 256 no. 92-1 fig 592
133. **Paris** (“Pont Neuf”), Seine, France. – From the river Seine. – Coffyn 1969, 116 fig 13.2
134. 135. **Paris**, Seine, France. – From the river Seine. – Briard 1971a, 56 fig 2.4, 6
136. **Plounévezel**, Finistère, France. – Hoard. – Cabrol 1939, 415 fig 9
137. **Pressagny-l’Orgueilleux**, Eure, France. – Single find? – Verron 2000, 233 fig 130.1
138. **Saint-Léon-sur-l’Isle** (“La Moutine”), Dordogne, France. – From the river Isle. – Coffyn 1985, 109 figs 17.4; 36.7; 48.3
139. **Saint-Martin-de-Ré** (“Peu Pierroux”), Charente-Maritime, France. – From a barrow. – Coffyn 1985, 109 fig 49.4
140. **Saint-Pois**, Manche, France. – Find circumstances unknown. – Coutil 1922, fig 2
- 141.–144. **Saint-Yrieix-sur-Charente** (“Vénat”), Charente, France. – Hoard. – Coffyn *et al* 1981, 82, 84 pls 4.11; 5.17–19
145. **Soisy-sur-Seine**, Essonne, France. – From the river Seine. – Guillaumet *et al* 1999, 69 fig 28.2
146. **Vay**, Loire-Atlantique, France. – Single find? – Briard 1965, 203 fig 69.3
147. **Vigoulet-Auzil**, Haute-Garonne, France. – Single find? – Méroc 1957, 102 fig 7
148. **Longy**, Alderney, Channel Islands. – Hoard. – Jockenhövel 1980, 79–80 no. 225 pl 88.3
149. 150. **Saint Mary’s**, Jersey, Channel Islands. – Hoard. – Driscoll 2008, 205 fig 13.3.1
151. **Ely**, Cambridgeshire, Great Britain. – Single find, from the Fens. – Colquhoun and Burgess 1988, 108 no. 671
152. **Kingston on Thames**, Surrey, Great Britain. – From the river Thames. – Colquhoun and Burgess 1988, 108 no. 669
153. **Old Windsor**, Berkshire, Great Britain. – From the river Thames. – Colquhoun and Burgess 1988, 108 no. 673
154. **Roermond** (“Herten”), Prov. Limburg, Netherlands. – From the river Maas. – Bloemers 1973, 17–19 fig 4.3
155. **Dresden area** (“From the Elbe valley”), Kr. Dresden (?), Germany. – Find circumstances unknown. – Wüstemann 2004, 70 no. 229
156. **Saarlouis** (“In der Bins”), Kr. Saarlouis, Germany. – Hoard. – Kolling 1968, 72–73 pl 49.1
157. **Wesel area**, Kr. Wesel, Germany. – River find. – Joachim 1973, 263 fig 1.2

158. **Wojciechowice**, Pow. Jędrzejów, Poland. – Hoard. – Kostrzewski 1962, 78 fig 104.1
159. **Corcelettes**, Kt. Vaud, Switzerland. – From a pile dwelling? – Schauer 1971, 187 no. 559
160. **St. Margrethen**, Kt. St. Gallen, Switzerland. – River find. – Schauer 1971, 188 no. 572

List 8 – Type Nantes, Variant Challans

This variant is characterised by a straight-sided grip, either parallel-sided or gently tapering from the shoulder curve over almost the entire length before expanding into the terminal (see fig 2b). There is some considerable variation in the width of the grip, which might hold chronological significance. It is tempting to suspect that particularly narrow grips are early in the series, given that they closely resemble the bar hilt of the Huelva type's Oissel variant, and that all hilts in the 'transitional' group are also similarly proportioned. That a comparatively large percentage of pieces with narrow hilts among the Challans variant are single finds, usually from wet locations, might perhaps also be taken as lending support to an early date. However, there is no hard evidence from closed associations to support such a notion, and in any case it has proven impractical to draw a sharp line of distinction between 'narrow' and 'wide' hilts within this variant. The distribution of this variant is much more limited than that of Variant Amboise swords. Pieces of Variant Challans do not generally occur outside the area of the Boughton-Vénat complex, ie northern and western France as well as southeast England (see fig 3).

161. **Anneville-sur-Seine**, Seine-Maritime, France. – From the river Seine. – Verron 1973, fig 45.4
162. **Azay-le-Rideau**, Indre-et-Loire, France. – Hoard. – Cordier *et al* 1959, 63 pl 3.18
163. **Bangor** ("Keriéro"), Morbihan, France. – Hoard. – Boulud and Fily 2009, 290 fig 9
164. **Bordeaux**, Gironde, France. – From the river Garonne. – Coffyn 1985, 109 figs 16.1; 48.2; 49.1
165. 166. **Challans** ("La Villate"), Vendée, France. – Hoard. – Verney 1990a, 397; 400 figs 1.4; 2.4
167. **Chécý**, Loiret, France. – From the river Loire. – Cordier 1978, 23, 26 fig 3.1
168. 169. **Gouesnac'h** ("Menez-Tosta"), Finistère, France. – Hoard. – Briard 1958, nos. 32, 40, 90
170. **La Grimaudière** ("Notre-Dame-d'Or"), Vienne, France. – Hoard. – Pautreau 1979, 203 fig 74.5
171. **Dép. Haute-Saône**, France. – Find circumstances unknown. – Mouton 1954, 50 fig 31.29
172. 173. **Lampaul-Plouarzel**, Finistère, France. – Hoard. – Rivallain 2012, fig 81

174. **Nantes**, Loire-Atlantique, France. – From the river Loire. – Briard 1971a, 55 fig 3.3
175. **Nantes** (“Île Beaulieu”), Loire-Atlantique. – From the river Loire. – Bellancourt 1967, 88 fig 2.1
176. **Nantes** (“Prairie de Mauves”), Loire-Atlantique, France. – Hoard. – Briard 1966, 17 no. 34
177. **Nantes area**, Loire-Atlantique, France. – Single find? – Briard 1965, 203 fig 69.2
178. **Le Pellerin**, Loire-Atlantique, France. – Single find? – Briard 1971a, 55 fig 3.2
179. **Saint-Malo-de-Guersac** (“Errand”), Ille-et-Vilaine, France. – Single find. – L’Hélgouach 1981, 430–431 fig 10
180. **Saint-Marc-le-Blanc** (“Le Plessix”), Ille-et-Vilaine, France. – Hoard. – Briard 1956, 316 fig 2
181. 182. **Saint-Yrieix-sur-Charente** (“Vénat”), Charente, France. – Hoard. – Coffyn *et al* 1981, 82 pl 4.4, 13
183. 184. **Saint Ouen’s**, Jersey, Channel Islands. – Hoard. – Driscoll 2008, 206 fig 13.5.1
185. **Addington**, Surrey, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 691
186. **Eastbourne** (“Beachy Head”), Sussex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 690
187. **Levington**, Suffolk, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 686
188. **Minster-in-Thamet** (“Ebbsfleet I”), Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 683
189. **Salcombe** (“Moor Sand”), Devon, Great Britain. – From the seabed off Salcombe. – Needham and O’Connor 2013, 88 fig 3.20 S18

List 9 – Type Nantes, Variant Safara

This not very numerous variant is characterised by a rivet slot on each shoulder curving into the lower grip. The upper part of the straight-sided grip also features a slot. The grip ends in in a T-shaped terminal, with lateral protrusions that are usually quite thin and sometimes lacking altogether. The *ricassi* tend to be rather pronounced, and some examples feature a very narrow midrib, not unlike Monte Sa Idda swords (see fig 2c). Based solely on the Iberian material, this group has previously been described at a type in its own right.² However, with full cognizance of the French material it is clear that these swords are better considered a variant of type Nantes, with hilts influenced by Monte Sa Idda swords.³ While single examples are known from Brittany and Sardinia, the majority come from Iberia, which matches the distribution of other variants of carp’s-tongue swords with triple-slot hilts (see fig 3).

² Ruiz-Gálvez Priego 1984, 271; Meijide Cameselle 1988, 39; Brandherm 2007a, 88.

³ Brandherm and Burgess 2008, 143–146

190. **Elvas**, Alto Alentejo, Portugal. – Find circumstances unknown. – Brandherm 2007a, 89 no. 166
191. **192. Safara**, Baixo Alentejo, Portugal. – Hoard? – Brandherm 2007a, 88–89 nos. 164–165
193. **Baeza**, Prov. Jaén, Spain. – From the river Guadalimar. – Brandherm 2007a, 88 no. 163
194. **Plourivo** (“Roche Jagu”), Côtes-d’Armor, France. – From the river Trieux. – Briard 1977, 61–64 pl 2
195. **Grigny**, Rhône, France. – From the river Rhône. – Combier 1977, 652 fig 49.5
196. **Decimoputzu** (“Monte Sa Idda”), Prov. Cagliari, Italy. – Hoard. – Taramelli 1921, 35 fig 38

List 10 – Type Nantes, Variant Vénat

The diagnostic feature of this variant is the unique shape of its pommel. For most of its length the hilt is like that of other type Nantes swords, but at the terminal the grip expands into a disc-shaped pommel from which projects a stud or finial (see fig 2d). Strictly speaking then, any pieces of Type Nantes which are missing the end of their grip cannot be attributed to any particular variant, as originally they might have had a Vénat pommel. However, as in comparison with other kinds of hilt fragments found in Boughton-Vénat hoards, Vénat pommels only constitute a very tiny minority, it seems reasonable to assume that the vast majority of these pieces would indeed have belonged to one of the variants of Type Nantes that are detailed above. Accordingly, here such pieces have been attributed to these. In the reverse case, where a Vénat pommel has been added at some later stage to a sword originally featuring the characteristics of some other variant of Type Nantes swords, it has been included in the present variant (see fig 6d). In many swords of Variant Vénat, the grip becomes solid towards the terminal, with an oval section, giving them what is effectively a semi-solid hilt. It is, however, the characteristic shape of the pommel which sets these pieces apart from other carp’s-tongue swords with semi-solid hilt, listed further below (list 19). Nevertheless, the distinction is not always a sharp one. The obvious origin for this pommel arrangement lies in the similar pommel constructions found on solid-hilted swords of Late Urnfield type.⁴ It comes as no surprise then that several pieces closely related to variant Vénat are found not only among the semi-solid-hilted, but also among the solid-hilted swords from Western Europe (see fig 6e). Like the Safara variant, Vénat swords originally were described at a type in its own right.⁵ Given that it is only the shape of the pommel which distinguishes them from other Type Nantes swords, here they are treated as a mere variant of the latter. They also show the same pronounced *ricasso* notches as the remainder of the type. The distribution area of the Vénat variant largely mirrors the main concentration of Type Nantes swords in northern and western France, with just one find spot south of the Pyrenees (see fig 3).

4 Cf Brandherm and Sicherl 2001, 231–236.

5 Cowen 1971, 154; Meijide Cameselle 1988, 54; Brandherm 2007a, 90.

197. **Carvalhal** (“Fiéis de Deus”), Estremadura, Portugal. – Hoard. – Brandherm 2007a, 90 no. 167
198. **Azay-le-Rideau**, Indre-et-Loire, France. – Hoard. – Cordier *et al* 1959, 63 pl 3.22
199. **Carcassonne**, Aude, France. – Hoard. – Guilaine 1969, 21 no. 142
200. **Gouesnac’h** (“Kergaradec 1”), Finistère, France. – Hoard. – Fily 2009, 97 fig 4.2
201. **La Grimaudière** (“Notre-Dame-d’Or”), Vienne, France. – Hoard. – Pautreau 1979, 204 fig 74.13
202. **Locmariaquer** (“Pont-er-Vil”), Morbihan, France. – Hoard. – Coffyn 1985, fig 52.2
203. **Le Palais** (“Bordustard”), Morbihan, France. – Hoard. – Boulud and Fily 2009, 288–290
204. **Plouescat** (“Parc-Bodenez”), Finistère, France. – Hoard. – Coffyn 1985, fig 52.5
205. **Questembert** (“Parc-aux-Bœufs”), Morbihan, France. – Hoard. – Coffyn 1985, fig 52.4
- 206.–208. **Saint-Yrieix-sur-Charente** (“Vénat”), Charente, France. – Hoard. – Coffyn *et al* 1981, 80, 82 pls 3.2; 4.1–2
209. **Triou**, Deux-Sèvres, France. – Hoard. – Pautreau *et al* 1984, 30 fig 10.2
210. **Saint Mary’s**, Jersey, Channel Islands. – Hoard. – Driscoll 2008, 205
211. **Hoaden** (II), Kent, Great Britain. – Hoard. – Perkins 1998, 369 fig 5.3.62
212. **Herwen** (“Lobith”), Prov. Gelderland, Netherlands. – Single find, from a gravel bed. – Butler 1987, 33 note 10 fig 19

List 11 – Type Nantes, variant undetermined

As a consequence of their frequent inclusion as fragments in scrap-metal hoards, the proportion of Type Nantes swords which cannot be attributed to any particular variant is considerably higher than with other types of carp’s-tongue swords. As one would expect, the distribution of this group largely coincides with that of Boughton-Vénat hoards (see fig 3).

- 213.–216. **Amiens** (“Le Plainseau”), Somme, France. – Hoard. – Blanchet 1984, 279 fig 154.76–79
- 217.–219. **Auvers**, Manche, France. – Hoard. – Germond *et al* 1988, 16 fig 2.1, 5, 7
- 220.–222. **Azay-le-Rideau**, Indre-et-Loire, France. – Hoard. – Cordier *et al* 1959, 63 pl 3.19–21
223. **Bangor** (“Calastrène”), Morbihan, France. – Hoard. – Marsille 1921, 87 no. 1419 pl 10.6
224. **Bangor** (“Keriéro”), Morbihan, France. – Hoard. – Boulud and Fily 2009, 290 fig 9
225. **Bringolo**, Côtes-d’Armor, France. – Hoard. – Briard 1971a, 55 fig 2.2

- 226. Cerisy-la-Salle** (“La Roche Bottin”), Manche, France. – Hoard. – Verney and Desloges 2000, 98 fig 3.3
- 227. 228. Challans** (“La Villate”), Vendée, France. – Hoard. – Verney 1990a, 397, 400 fig 2.10–11
- 229. 230. Chédigny**, Indre-et-Loire, France. – Hoard. – Cordier *et al* 1960, 118 fig 6.5–6
- 231. Cubzac-les-Ponts**, Gironde, France. – Hoard. – Coffyn 1985, 109 fig 50.6
- 232. Festigny** (“Bois-des-Roches”), Marne, France. – Hoard. – Gaucher 1981, 230 pl 127.L.1
- 233.–235. Fouesnant** (“Le Douric”), Finistère, France. – Hoard. – Briard 1991, 128 fig 1.1–3
- 236. Gausson** (“La Cour”), Côtes-d’Armor, France. – Hoard. – Briard 1967, 94 no. 9
- 237. 238. Gouesnac’h** (“Kergaradec 1”), Finistère, France. – Hoard. – Fily 2009, 97
- 239.–242. Gouesnac’h** (“Kergaradec 2”), Finistère, France. – Hoard. – Fily 2009, 100
- 243.–247. Gouesnac’h** (“Menez-Tosta”), Finistère, France. – Hoard. – Briard 1958, nos. 34–35, 37–38, 41
- 248. 249. La Grimaudière** (“Notre-Dame-d’Or”), Vienne, France. – Hoard. – Pautreau 1979, 203 figs 74.1; 82.19
- 250. Guingamp or Bourbriac area**, Côtes-d’Armor, France. – Hoard. – Briard *et al* 1973, 57 fig 8.1
- 251. Hérouville-Saint-Clair**, Calvados, France. – Hoard. – Verron 1973, 367 fig 8
- 252. 253. Île de Batz** (“Île Verte”), Finistère, France. – Hoard. – Briard 1961, 44 pl 1.1–2
- 254. Île de Groix** (“Men-Stang-Roh”), Morbihan, France. – Hoard. – Marsille 1921, 80 no. 1357 pl 5.9
- 255. Illeville-sur-Montfort**, Eure, France. – Hoard. – Coutil 1921, fig p. 811
- 256. Juvincourt-et-Damary**, Aisne, France. – Hoard. – Jockenhövel and Smolla 1975, 291 fig 2.1
- 257. Lacroix-Saint-Ouen** (“La Haute Queue”), Oise, France. – Hoard. – Blanchet 1997, 8 fig 3.23
- 258. Lampaul-Plouarzel**, Finistère, France. – Hoard. – Rivallain 2012, fig 81
- 259. Lessay**, Manche, France. – Hoard. – MacWhite 1951, 85 fig 24.5
- 260.–263. Nantes** (“Jardin des Plantes”), Loire-Atlantique, France. – Hoard. – Briard 1971b, 10, 12 nos. 5–7, 10
- 264.–266. Nantes** (“Prairie de Mauves”), Loire-Atlantique, France. – Hoard. – Briard 1966, 17–18 nos. 35, 43, 48
- 267. Neuvy-sur-Barangeon** (“Petit-Villatte”), Cher, France. – Hoard. – Cordier 1996, 20 fig 6.5
- 268. Paris**, Seine, France. – From the river Seine. – Mohen 1977, 246 no. 75–28 fig 596
- 269. Plouéan** (“Le Bourg”), Finistère, France. – Hoard. – Briard 1956, 316 fig 1
- 270. Questembert** (“Parc-aux-Bœufs”), Morbihan, France. – Hoard. – Rivallain 2012, fig 85
- 271. Dép. Rhône**, France. – Find circumstances unknown. – Mouton 1954, 50 fig 31.34
- 272. Saint-Malo area**, Ille-et-Vilaine, France. – Hoard? – Briard and Onnée 1980, 88 fig 22.3

273. **Saint-Martin-de-la-Place**, Maine-et-Loire. – Hoard. – Cordier and Gruet 1975, 232 fig 46.5
274. **Saint-Sulpice-le-Guérétois** (“Clavières”), Creuse, France. – Find circumstances unknown. – Janicault 1944, 18 pl 1.14
275. 276. **Saint-Yrieix-sur-Charente** (“Vénat”), Charente, France. – Hoard. – Coffyn *et al* 1981, 82 pl 5.22–3
277. **Saumur area**, Maine-et-Loire. – Hoard? – Cordier and Gruet 1975, 223 fig 46.6
278. **Triou**, Deux-Sèvres, France. – Hoard. – Pautreau *et al* 1984, 30 fig 10.1
279. **Vayrac**, Lot, France. – From the river Sourdoire. – Coffyn 1985, 109 fig 49.3
280. **Versailles area**, Seine, France. – From the river Seine. – Briard 1971a, 56 fig 2.5
- 281.–283. **Saint Ouen’s**, Jersey, Channel Islands. – Hoard. – Driscoll 2008, 206
284. **Boughton Malherbe**, Kent, Great Britain. – Hoard. – Portable Antiquities Scheme KENT-15A293
285. **Cumberlow Green**, Hertfordshire, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 681
286. **Egham** (“Petters Sports Field”), Surrey, Great Britain. – Hoard – Needham 1990, 52 fig 12.36
287. 288. **Leigh** (II), Essex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109–110 nos. 675–676
289. 290. **Minster-in-Thanel** (“Ebbsfleet I”), Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 nos. 684–685
291. **Minster-in-Thanel** (“Ebbsfleet III”), Kent, Great Britain. – Hoard. – Lawson 1995, 276 fig 13.1
292. **Stourmouth**, Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 682
293. **Vange**, Essex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 678
294. **Nijmegen**, Prov. Gelderland, Netherlands. – Single find? – Cowen 1952, 145 no. 1

List 12 – Type Monte Sa Idda, Variant Villaverde del Río

The diagnostic trait of this variant is the rectangular or slightly trapezoidal shape of its overblown *ricasso* notches (see fig 6a). Most pieces of this relatively small group are from Sardinia, with a couple of examples each from southern Iberia and mainland Italy (see fig 7).

295. **Jerez de la Frontera** (“Las Alcobainas”), Prov. Cádiz, Spain. – From a burial. – Brandherm 2007a, 94 no. 171
296. **Villaverde del Río**, Prov. Sevilla, Spain. – From a burial. – Brandherm 2007a, 94 no. 172

- 297.–302. Decimoputzu** (“Monte Sa Idda”), Prov. Cagliari, Italy. – Hoard. – Taramelli 1921, 31–37 figs 35–37; 39–41
- 303. Nuragus** (“Forraxi Nioi”), Prov. Nuoro, Italy. – Hoard. – Lo Schiavo 1991, 215
- 304. Populonia** (“Falda della Guardiola”), Prov. Livorno, Italy. – Hoard. – Bianco Peroni 1970, 99 no. 270
- 305. Teti** (“Abini”), Prov. Nuoro, Italy. – Hoard. – Lo Schiavo 1991, 215

List 13 – Type Monte Sa Idda, Variant Alcalá del Río

These swords are characterised by semicircular to almost circular, but likewise overblown *ricasso* notches (see fig 6b). In contrast to the preceding variant, the majority come from southern Iberia, although several are also known from Sardinia (see fig 7). The casting mould from Ronda (no. 311) indicates that at least some pieces of Variant Alcalá del Río would have been produced in the Iberian Peninsula.

- 306. Aldeia dos Palheiros** (“Nossa Senhora da Cola”), Baixo Alentejo, Portugal. – Single find. – Brandherm 2007a, 96 no. 176
- 307. Alboloduy** (“Peñon de la Reina”), Prov. Almería, Spain. – From a settlement. – Brandherm 2007a, 96 no. 177
- 308. Alcalá del Río**, Prov. Sevilla, Spain. – From the river Guadalquivir. – Brandherm 2007a, 95 no. 173
- 309. Dalías** (“Cortijo de la Ciá”), Prov. Almería, Spain. – Find circumstances unknown. – Brandherm 2007a, 95–96 no. 175
- 310. Linares** (“Cástulo”), Prov. Jaén, Spain. – From a burial. – Brandherm 2007a, 95 no. 174
- 311. Ronda**, Prov. Málaga, Spain. – Casting mould, from a settlement. – Brandherm 2007a, 96 no. 96
- 312. Valga**, Prov. Pontevedra, Spain. – From the river Ulla. – Unpublished, pers comm José Suárez Otero 14 Sept 2012
- 313. Alghero** (“Sant’Imbenia”), Prov. Sassari, Italy. – Hoard. – Depalmas *et al* 2011, 237–238 fig 2.3
- 314. 315. Decimoputzu** (“Monte Sa Idda”), Prov. Cagliari, Italy. – Hoard. – Taramelli 1921, 39–40 figs 44–45
- 316. Santadi** (“Pirosu-Su Benatzu”), Prov. Cagliari, Italy. – From a cave sanctuary. – Lo Schiavo 1991, 215 fig 7.1

List 14 – Type Monte Sa Idda, Variant Boom

These are essentially Monte Sa Idda type weapons with dagger-length blade and with stouter projecting horizontal prongs at the end of the grip than usually found in the other variants of this type. Also, shoulders appear slightly steeper and less outward-thrusting than on other Monte Sa Idda type swords (see fig 6c), but all this may be

academic given the doubtful status of Boom weapons. They have never been found in a secure context, never mind an association, their distribution is not at all what might be expected of a Type Monte Sa Idda variant (see fig 7), and their provenances and history look downright suspect. Cowen, who first defined this group, agonised long and hard over the genuineness of Boom weapons, and thought at best an open verdict could be returned.⁶

- 317. Dép. Bouches-du-Rhône**, France. – stances unknown. – Coffyn and Roux
Find circumstances unknown. – Gallay 1991, fig 8
1988, 157 no. 1435
- 318. La Sauve** (“La Sauve-Majeure”), **319. Boom**, Prov. Antwerpen, Belgium. –
Gironde, France. – Find circum- From the river Rupel? – Cowen 1971,
stances unknown. – 165 no. 1

List 15 – Type Monte Sa Idda, variant undetermined

A few pieces of this type are too damaged to allow for attribution to any of the above variants. All of these are from Sardinia (see fig 7).

- 320. Decimoputzu** (“Monte Sa Idda”), cave sanctuary. – Lo Schiavo 1991,
Prov. Cagliari, Italy. – Hoard. – 215 fig 7.2–4
Taramelli 1921, 40–41 fig 49
- 321.–323. Santadi** (“Pirosu-Su Be- **324. Villagrande Strisaili** (“S’Arcu ‘e is
natzu”), Prov. Cagliari, Italy. – From a Forros”), Prov. Ogliastra, Italy. –
Hoard. – Fadda 2011, 66 fig p. 67
bottom

List 16 – Carp’s-tongue swords with ‘transitional’ hilt

In a number of pieces, grouped together under this heading, the shoulder-grip transition holds an intermediate position between Type Huelva and Type Nantes, being not sufficiently angular to qualify for inclusion in the former, but lacking the even curve observed in the latter. Swords with ‘transitional’ hilt are found mainly in north-western France, with some pieces from Britain and southern Iberia, as well as a single example from Switzerland (see fig 8).

- 325. Almargen** (“Casablanca”), Prov. **326. Huelva** (“Ría de Huelva”), Prov.
Málaga, Spain. – From the Arroyo Huelva, Spain. – From the Odiel
Salado. – Brandherm 2007a, 59 estuary. – Brandherm 2007a, 60
no. 44 no. 50

⁶ Cowen 1971, 157.

- 327. La Rinconada**, Prov. Sevilla, Spain.
– From the river Guadalquivir. –
Brandherm 2007a, 60–61 no. 53
- 328. Chailloué** (II), Orne, France. –
Hoard. – Verney 1990b, 25 fig p 26
(7)
- 329. Gouesnac’h** (“Kergaradec 1”),
Finistère, France. – Hoard. – Fily
2009, 97
- 330. Gouesnac’h** (“Menez-Tosta”), Finis-
tère, France. – Hoard. – Briard 1958,
no. 36
- 331. La Grimaudière** (“Notre-Dame-
d’Or”), Vienne, France. – Hoard. –
Pautreau 1979, 203 fig 81.9
- 332. Marcilly-sur-Vienne**, Indre-et-Loire,
France. – Single find? – Cordier 1976,
550 fig 4.12
- 333. Saint-Yrieix-sur-Charente** (“Vé-
nat”), Charente, France. – Hoard. –
Coffyn *et al* 1981, 82 pl 5.21
- 334. Grays Thurrock** (I), Essex, Great
Britain. – Hoard. – Turner 2010, 31 pl
15.02/145
- 335. Llanddetty**, Breconshire, Great
Britain. – Single find. – Colquhoun
and Burgess 1988, 108 no. 674
- 336. River Thames**, Great Britain. –
From the river Thames. – Colquhoun
and Burgess 1988, 108 no. 672
- 337. Withernwick** (“North End Farm”),
Yorkshire, Great Britain. – Single find.
– Colquhoun and Burgess 1988, 108
no. 670
- 338. Yverdon**, Kt. Vaud, Switzerland. –
River find. – Schauer 1971, 189
no. 574

List 17 – Italian ‘Griffzungenschwerter’ and tanged swords with carp’s-tongue
points

A substantial number of flange-hilted and some tanged swords from Italy also feature carp’s-tongue points. Typologically this is a rather heterogeneous group, most of the pieces belonging to Bianco Peroni’s types Terni, Vulci and Ardea.⁷ As the definition of these types does not rely on this feature, they also include many swords without carp’s-tongue points, which are not considered here. In any case, the blade section and general outline of these weapons clearly have nothing to do with Atlantic swords. Among Cowen’s “great family of Carp’s-Tongue Swords” they appear distant cousins at best, and this is also borne out by their distribution. While they are broadly contemporary with the Ewart Park phase, dating to the Italian *Primo Ferro 1B* or later, not one example has ever been found in a Boughton-Vénat hoard or indeed any other Atlantic Late Bronze Age context (see fig 8).⁸

- 339. Alfedena**, Prov. L’Aquila, Italy. –
Find circumstances unknown. –
Hencken 1956, 167 fig 20.C
- 340. Anzio** (“Conca”, grave IX), Prov.
Roma, Italy. – From a burial. –
Hencken 1956, 157 fig 12

⁷ Bianco Peroni 1970, 90–96.

⁸ Cf Brandherm and Burgess 2008, 139.

- 341. Ardea** (“Casalazzaro”), Prov. Roma, Italy. – From a burial? – Bianco Peroni 1970, 96 no. 267
- 342. Bolotona** (“Serenosu”), Prov. Nuoro, Italy. – Hoard. – Lo Schiavo 1994, 62 fig 6.a
- 343. 344. Castiglione della Pescaia** (“Vetulonia”), Prov. Grosseto, Italy. – From burials. – Bianco Peroni 1970, 78, 111 nos. 191, 300
- 345. Norcia**, Prov. Perugia, Italy. – From a burial. – Bianco Peroni 1970, 91 no. 242
- 346. Norcia** (“Castello delle Perci”), Prov. Perugia, Italy. – Single find. – Bianco Peroni 1970, 93 no. 258
- 347. Palestrina** (Bernardini tomb), Prov. Roma, Italy. – From a burial. – Hencken 1956, 169 fig 24
- 348. Prov. Perugia**, Italy. – Find circumstances unknown. – Bianco Peroni 1970, 91 no. 243
- 349. Pesaro** (“Novilara”, grave 3), Prov. Pesaro e Urbino, Italy. – From a burial. – Hencken 1956, 177
- 350. Pesaro** (“Novilara”, grave 6), Prov. Pesaro e Urbino, Italy. – From a burial. – Hencken 1956, 177
- 351. Pesaro** (“Novilara”, grave 11), Prov. Pesaro e Urbino, Italy. – From a burial. – Hencken 1956, 177
- 352. Pesaro** (“Novilara”, grave 59), Prov. Pesaro e Urbino, Italy. – From a burial. – Hencken 1956, 177
- 353. Pozzuoli** (“Cuma”), Prov. Napoli, Italy. – From a burial. – Bianco Peroni 1970, 94 no. 261
- 354. Pratica di Mare** (“Lavinio”), Prov. Roma, Italy. – From a burial. – Bianco Peroni 1974, 21 no. 267 A
- 355. Rome** (“Giardino Brancaccio”, grave XII), Prov. Roma, Italy. – From a burial. – Hencken 1956, 173 fig 28
- 356. San Marco dei Gavoti** (“Senna”), Prov. Benevento, Italy. – From a burial. – Bianco Peroni 1974, 21 no. 266 A
- 357. Sermoneta** (“Caracupa”, grave 25), Prov. Latina, Italy. – From a burial. – Hencken 1956, 163 fig 19
- 358. Sermoneta** (“Caracupa”, grave 87), Prov. Latina, Italy. – From a burial. – Bianco Peroni 1970, 139 no. 395
- 359. 360. Sermoneta** (“Caracupa”), Prov. Latina, Italy. – From burials. – Bianco Peroni 1970, 78 nos. 190, 193
- 361. Striano**, Prov. Napoli, Italy. – From a burial. – Bianco Peroni 1970, 95 no. 264
- 362. Terni** (“Acciaierie”, grave II), Prov. Terni, Italy. – From a burial. – Bianco Peroni 1970, 94 no. 260
- 363. Veio** (“Grotta Gramiccia”, grave 517), Prov. Roma, Italy. – From a burial. – Bianco Peroni 1970, 95 no. 262
- 364. Veio** (“Vaccareccia”, grave XVIII), Prov. Roma, Italy. – From a burial. – Bianco Peroni 1970, 90 no. 239
- 365. Vulci** (“Cavalupo”), Prov. Viterbo, Italy. – From a burial. – Bianco Peroni 1970, 94 no. 259
- 366. 367. Unprovenanced**, Italy. – Find circumstances unknown. – Kilian 1974, 54 pl 15.C–D
- 368. Unprovenanced** (Mus. Vor- und Frühgeschichte Berlin), Italy. – Find circumstances unknown. – Bianco Peroni 1970, 95 no. 265

- 369. 370. Unprovenanced** (Zschille Col. Grossenhain), Italy. – Find circumstances unknown. – Hencken 1956, 169
- 371. Unprovenanced** (Peabody Mus. Harvard), Italy. – Find circumstances unknown. – Bianco Peroni 1970, 92 no. 252
- 372. 373. Unprovenanced** (British Mus. London), Italy. – Find circumstances unknown. – Hencken 1956, 169
- 374. 375. Unprovenanced** (Louvre Mus. Paris), Italy. – Find circumstances unknown. – Bianco Peroni 1970, 95 nos. 263, 266

List 18 – Iberian Iron Age weapons with carp's-tongue points

As the previous list, this group includes examples of different types, mostly Isorna, Miraveche and Monte Bernorio.⁹ While the definition of these types does not rely on any of the features typically shared among the three canonical types of carp's-tongue swords – Huelva, Nantes and Monte Sa Idda – the pieces listed below all feature the carp's-tongue point, with Isorna and Miraveche weapons also sharing the exaggerated *ricasso* notches of Monte Sa Idda swords. The date of the pieces in this group is relatively late, probably only starting in the 8th century BC – even later for Miraveche and Monte Bernorio-type weapons – and definitely continuing into the later Iron Age.¹⁰ They are rarely found outside the Iberian Peninsula's northern Meseta (see fig 8).

- 376. El Atance** (“Las Horazas”), Prov. Guadalajara, Spain. – From a burial. – Schüle 1969, 257 pl 12.7
- 377. El Burgo** (“Rio Mero”), Prov. La Coruña, Spain. – From the river Mero. – Brandherm 2007a, 100 no. 182
- 378. Burgo de Osma** (“Osma”), Prov. Soria, Spain. – From a burial. – Schüle 1969, 274 pl 63.10
- 379. Burgo de Osma** (“Osma”, grave 1), Prov. Soria, Spain. – From a burial. – Schüle 1969, 272 pl 53.8
- 380. Caravia** (“Pico de Castro”), Prov. Asturias, Spain. – From a settlement. – Griño Frontera 1989, 109 no. 1
- 381. Cardeñosa** (“Las Cogotas”, grave 102), Prov. Ávila, Spain. – From a burial. – Griño Frontera 1989, 112 no. 2.b
- 382. Cardeñosa** (“Las Cogotas”, grave 418), Prov. Ávila, Spain. – From a burial. – Griño Frontera 1989, 120–121 no. 9.b
- 383. Chamartín de la Sierra** (“La Osera”, grave 140), Prov. Ávila, Spain. – From a burial. – Griño Frontera 1989, 161 no. 47
- 384. Chamartín de la Sierra** (“La Osera”, grave 514), Prov. Ávila, Spain. – From a burial. – Schüle 1969, 237 pl 133.1
- 385. Chamartín de la Sierra** (“La Osera”), Prov. Ávila, Spain. – From a burial. – Griño Frontera 1989, 172–173 no. 55

⁹ Schüle 1969, 107–111; Brandherm 2007a, 99–101.

¹⁰ Farnié Lobensteiner and Quesada Sanz 2005, 53; Brandherm and Burgess 2008, 151.

- 386. Huelva** (“La Joya”, grave 16), Prov. Huelva, Spain. – From a burial. – Brandherm 2007a, 99–100 no. 180
- 387. Miraveche** (grave 12), Prov. Burgos, Spain. – From a burial. – Schüle 1969, 288 pl 138.1
- 388. Miraveche** (grave 31), Prov. Burgos, Spain. – From a burial. – Schüle 1969, 288 pl 139.1
- 389. Miraveche** (grave 38), Prov. Burgos, Spain. – From a burial. – Schüle 1969, 289 pl 142.1
- 390. Miraveche** (grave 60), Prov. Burgos, Spain. – From a burial. – Schüle 1969, 290 pl 146.1
- 391. Miraveche** (grave 79), Prov. Burgos, Spain. – From a burial. – Griño Frontera 1989, 204 no. 86
- 392. 393. Miraveche**, Prov. Burgos, Spain. – From burials. – Schüle 1969, 292 pl 153.1; Griño Frontera 1989, 206 no. 88
- 394. Ocenilla**, Prov. Soria, Spain. – Hoard. – Almagro Basch 1967, E.17.1-(1)
- 395. Padilla de Duero** (“Las Ruedas”, grave 28), Prov. Valladolid, Spain. – From a burial. – Farnié Lobensteiner and Quesada Sanz 2005, 153–156 figs 141–144
- 396. Padilla de Duero** (“Las Ruedas”), Prov. Valladolid, Spain. – From burials. – Sanz 1986, figs 1.4; 3.4
- 397. Paradela de Muces** (“La Peña del Hombre”), Prov. León, Spain. – Single find. – Fernández Manzano and Herrán Martínez 2004/05, 79–81 fig 2
- 398. Sasamón**, Prov. Burgos, Spain. – From a burial. – Griño Frontera 1989, 211 no. 92
- 399. Villegas** (“Villamorón”), Prov. Burgos, Spain. – From a burial. – Griño Frontera 1989, 212 no. 93

List 19 – Carp’s-tongue swords with semi-solid hilts

This is a small and typologically rather heterogeneous group of pieces that marry a carp’s-tongue blade to a semi-solid hilt. The design of these hilts seems to have been inspired by a range of different Urnfield semi-solid and solid-hilted sword types.¹¹ A couple of pieces with Vénat-style pommels (nos. 400, 405) are distinguished from the Vénat variant of Type Nantes (list 10) by their openwork grip. On the other hand, for some pieces in the present group that are lacking their pommel (nos. 401, 403, 406) the argument could be made that if originally equipped with a Vénat-style pommel, they would have to be included in the respective variant. In not including them with Variant Vénat we follow the general principle of classifying pieces exclusively based on surviving features. Apart from a single piece from northern Iberia and a couple of hilt fragments from the Monte Sa Idda hoard in Sardinia, all swords of this group are from northern and western France (see fig 8).

¹¹ Brandherm and Burgess 2008, 151.

- 400. Villafranca del Bierzo area**, Prov. León, Spain. – Find circumstances unknown. – Brandherm 2007a, 91 no. 168
- 401. Caumont**, Eure, France. – From the river Seine. – Verron 1971, 55 no. 23
- 402. Château-Larcher** (“Bapteresse”), Vienne, France. – From the river Clouère. – Pautreau 1979, 204 figs 73.2; 100.2
- 403. Gouesnac’h** (“Kergaradec 2”), Finistère, France. – Hoard. – Fily 2009, 100 fig 8.1
- 404. Nantes** (“en face Sainte-Anne”), Loire-Atlantique, France. – From the river Loire. – Briard 1965, 205 fig 69.5
- 405. 406. Decimoputzu** (“Monte Sa Idda”), Prov. Cagliari, Italy. – Hoard. – Taramelli 1921, 33, 37–38 figs 42; 43

List 20 – Solid-hilted carp’s-tongue swords

Much of what has been said further above about carp’s-tongue swords with semi-solid hilts also applies to this group. There is, however, a clear dichotomy among solid hilted-carp’s tongue swords between Atlantic adaptations of Urnfield models on the one hand and examples combining actual Urnfield antenna hilts with carp’s-tongue blades on the other. While the distribution of the former is limited to France and Iberia, the latter are mainly found in Italy, with a single example from northern Germany (see fig 8).

- 407. 408. Huelva** (“Ría de Huelva”), Prov. Huelva, Spain. – From the Odiel estuary. – Brandherm 2007a, 113 nos. 198–199
- 409. Ouroux-sur-Saône**, Saône-et-Loire, France. – From the river Saône. – Bonnamour 1990, 93 fig 27.38
- 410. Sainte-Anastasie**, Gard, France. – Single find. – Mohen 1970, 56–61 figs 1; 2
- 411. Saumur area**, Maine-et-Loire, France. – Single find? – Cordier and Gruet 1975, 232 fig 46.3
- 412. Uchizy**, Saône-et-Loire, France. – From the river Saône. – Bonnamour 1990, 93–94 fig 27.37
- 413. Stendell**, Ldkr. Uckermark, Germany. – From a bog. – Wüstemann 2004, 166 no. 470
- 414. Ca’Morta**, Prov. Como, Italy. – From a burial. – Bianco Peroni 1970, 110 no. 294
- 415. Castione della Presolana**, Prov. Bergamo, Italy. – Single find. – Bianco Peroni 1970, 120 no. 333
- 416. Godiasco**, Prov. Pavia, Italy. – Find circumstances unknown. – Bianco Peroni 1970, 108 no. 291
- 417. Osteria del Fosso** (“tra Fano e Pesaro”), Prov. Pesaro, Italy. – From a burial. – Bianco Peroni 1970, 110 no. 295
- 418. Prov. Pavia**, Italy. – Find circumstances unknown. – Bianco Peroni 1970, 120 no. 331
- 419. Unprovenanced** (British Mus. London), Italy. – Find circumstances unknown. – Bianco Peroni 1970, 119 no. 328

List 21 – Carp’s-tongue swords of undetermined type

A very substantial number of blade and hilt fragments that clearly belong to carp’s-tongue swords, due to a lack of more diagnostic features cannot be attributed to any type in particular.¹² Not included in this list are grip and pommel fragments, as grip and pommel types usually encountered in carp’s-tongue swords on quite a few occasions are also found with pieces clearly not belonging to the carp’s-tongue family.¹³ The concentration of finds listed below in northwest France and southeast Britain reflects the distribution of Boughton-Vénat hoards, which between them have produced the vast majority of carp’s-tongue sword fragments (see fig 8).

- 420. Abravezes** (“Castro de Santa Luzia”), Beira Alta, Portugal. – From a settlement. – Brandherm 2007a, 115 nos. 207–208
- 421. Carvalho** (“Fiéis de Deus”), Estremadura, Portugal. – Hoard. – Brandherm 2007a, 116 no. 212
- 422. Castelo Branco** (“Castro de São Martinho”), Beira Alta, Portugal. – From a settlement. – Brandherm 2007a, 115 no. 206
- 423. Lamas** (“Pragança”), Estremadura, Portugal. – From a settlement. – Brandherm 2007a, 116–117 nos. 218–220
- 424. Mação** (“Castelo Velho de Caratão”), Beira Baixa, Portugal. – From a settlement. – Brandherm 2007a, 115 no. 204
- 425. Moura** (“Castro dos Ratinhos”), Baixo Alentejo, Portugal. – Casting mould, from a settlement. – Berrocal-Rangel and Silva 2010, 311–312 figs 144.23, 145
- 426. Nossa Senhora da Tourega** (“Castelo do Giraldo”), Alto Alentejo, Portugal. – From a settlement. – Brandherm 2007a, 115 no. 203
- 427. Crevillente** (“El Bosch”), Prov. Alicante, Spain. – Casting mould, from a settlement. – Simón García 1998, 53 fig 30.1–2
- 428. Estepa** (“Remanso de las Golondrinas”), Prov. Sevilla, Spain. – From the river Genil. – Brandherm 2007a, 69 no. 110
- 429. Huelva** (“Ría de Huelva”), Prov. Huelva, Spain. – From the Odiel estuary. – Brandherm 2007a, 69–72 nos. 111–113, 125–148
- 430. Saldaña**, Prov. Palencia, Spain. – Hoard. – Fernández Manzano 1986, fig 32.6
- 431. Salvatierra de Miño** (“Illa de Touzas”), Prov. Pontevedra, Spain. – From the river Miño. – Brandherm 2007a, 68 no. 108
- 432. Unprovenanced** (MAN Madrid). – Find circumstances unknown. – Brandherm 2007a, 117 no. 224

¹² The numbers given in this list do not refer to individual pieces, as was the case in the preceding lists, but to find assemblages in general (cf Brandherm and Burgess 2008, 159 footnote 101). For more exhaustive information on the number of pieces in the respective assemblages and associated finds see Moskal 2007, 508–521.

¹³ Eg, Colquhoun and Burgess 1988, nos. 276, 326, 553, 695.

- 433. Agde** (“Rochelongue”), Hérault, France. – From the seabed off the Cap d’Agde. – Robert *et al* 1978, 355 no. 53
- 434. Déps. Aisne, Oise or Val d’Oise**, France. – From the river Oise. – Blanchet 1984, 308
- 435. Amiens** (“Le Plainseau”), Somme, France. – Hoard. – Gaucher 1981, 385 figs 150.L51, 151.L13
- 436. Amiens** (“Saint-Roch”), Somme, France. – Hoard. – Blanchet 1984, 282–286 fig 157.43
- 437. Anjou area**, France. – Find circumstances unknown. – Cordier and Gruet 1975, 232 fig 46.4
- 438. Annecy area**, Haute-Savoie, France. – Find circumstances unknown. – Robert *et al.* 1978, 363
- 439. Auvers**, Manche, France. – Hoard. – Germond *et al* 1988, 17 fig 2.4, 8–12
- 440. Azay-le-Rideau**, Indre-et-Loire, France. – Hoard. – Cordier *et al* 1959, 63 pl 3.28
- 441. Bangor** (“Calastrène”), Morbihan, France. – Hoard. – Briard 1991, 142 no. 60
- 442. Bangor** (“Keriéro”), Morbihan, France. – Hoard. – Boulud and Fily 2009, 290 fig 9
- 443. Barjac**, Gard, France. – Burial. – Robert *et al* 1978, 355 no. 57
- 444. Belz** (“Île Nihen”), Morbihan, France. – Hoard. – Briard 1961, 53 pl 2.11–15
- 445. Boissy-aux-Cailles** (“Cave-aux-Moines”), Seine-et-Marne, France. – Hoard. – Nouel 1957, 300 fig 90.4
- 446. Bréhand** (“Le-Pont-Pierre”), Côtes-d’Armor, France. – Hoard. – Giot 1971, 342
- 447. Cerisy-la-Salle** (“La Roche Bottin”), Manche, France. – Hoard. – Verney and Desloges 2000, 98 fig 3.1–2, 4–16
- 448. Cézac** (“Moulin-de-Prades”), Gironde, France. – Hoard. – Daleau 1880, 6 pl 1.6, 9
- 449. Chailloué** (II), Orne, France. – Hoard. – Verney 1990b, 25 fig p. 26 (6)
- 450. Challans** (“La Villate”), Vendée, France. – Hoard. – Verney 1990a, 400 figs 2.12–26; 3.1–14
- 451. Chamery**, Marne, France. – Hoard. – Doize 1959, 531–533 pl 1.2, 6, 9
- 452. Chédigny**, Indre-et-Loire, France. – Hoard. – Cordier *et al* 1960, 118 fig 6.8
- 453. Chens-sur-Léman** (“Touges”), Haute-Savoie, France. – From a pile dwelling. – Robert *et al* 1978, 365 fig 8 c
- 454. Choussy**, Loir-et-Cher, France. – Hoard. – Briard 1965, 230
- 455. Civry-la-Forêt**, Yvelines, France. – Hoard. – Mohen 1977, 250 no. 78-1 fig p. 157 (18)
- 456. Clisson**, Loire-Atlantique, France. – Hoard. – Briard 1965, 314 no. 350
- 457. Compiègne** (“Carrefour des Rossignols”), Oise, France. – Hoard. – Blanchet 2001a, 177
- 458. Condé-sur-Noireau**, Calvados, France. – Hoard. – Briard 1965, 229
- 459. Le Conquet** (“Kervildré”), Finistère, France. – Hoard. – Briard 1965, 308 no. 141
- 460. Corbie**, Somme, France. – From the river Somme. – Breuil 1900, 520
- 461. Coulon**, Deux-Sèvres, France. – Find circumstances unknown. – Pautreau 1984, 127 no. 122

- 462. Coye-la-Forêt**, Oise, France. – Hoard. – Blanchet 2001b, 86 fig 2.15–17
- 463. Crossac** (“Pont de la Guesne”), Loire-Atlantique, France. – From the river Guesne. – Briard 1965, 314 no. 353
- 464. Crozon** (“Sud du Bourg”), Finistère, France. – Hoard. – Briard 1965, 308 no. 143
- 465. Crouttes**, Aisne, France. – Hoard. – Blanchet 1984, 294 fig 163.21
- 466. Cubzac-les-Ponts**, Gironde, France. – Hoard. – Quilliec 2007, nos. 142, 1386, 1505
- 467. Déville-lès-Rouen**, Seine-Maritime, France. – Hoard. – Coutil 1921, 796 fig p. 805
- 468. Douarnenez** (“Île Tristan”), Côtes-d’Armor, France. – Hoard. – Briard 1991, 140 no. 12
- 469. Dreuil-lès-Amiens**, Somme, France. – Hoard. – Gaucher 1982, 170 fig 2.38–40, 46
- 470. Durtal**, Maine-et-Loire, France. – Hoard – Cordier and Gruet 1975, 189 fig 38.5, 8–9, 13
- 471. Elven** (“Le Bocolo”), Morbihan, France. – Hoard. – Lejards 1966, 6 nos. 15–16, 19
- 472. Epte**, Eure, France. – From the river Eure. – Amalou and Pegeon 1989, 113 fig 3.3
- 473. Esvres-sur-Indre** (“La Dorée”), Indre-et-Loire, France. – Hoard. – Cordier and Millotte 1961, 148 fig 6.17; Briard *et al* 1982/83, 49 fig 11.27
- 474. Etables-sur-Mer** (“Le Petit Caruhel”), Côtes-d’Armor, France. – Hoard. – Briard 1965, 304 no. 23
- 475. Le Folgoët** (“Pen-ar-Prat”), Finistère, France. – Hoard. – Briard 1965, 308 No 154
- 476. Fouesnant** (“Le Douric”), Finistère, France. – Hoard. – Briard 1991, 128 figs 1.4–7; 2.1–2
- 477. Gausson** (“La Cour”), Côtes-d’Armor, France. – Hoard. – Briard 1967, 94 nos. 10–11
- 478. Grigny** (“Pas-de-Grigny”), Essone, France. – From the river Seine. – Mohen 1977, 253 no. 91-11 fig 593
- 479. La Grimaudière** (“Notre-Dame-d’Or”), Vienne, France. – Hoard. – Pautreau 1979, 203 figs 74.2, 4, 6–8, 11–12; 82.17–18
- 480. Gouesnac’h** (“Kergaradec 1”), Finistère, France. – Hoard. – Fily 2009, 97
- 481. Gouesnac’h** (“Kergaradec 2”), Finistère, France. – Hoard. – Fily 2009, 100
- 482. Gouesnac’h** (“Lanhuron”), Finistère, France. – Hoard. – Briard 1991, 140 no. 15
- 483. Gouesnac’h** (“Menez-Tosta”), Finistère, France. – Hoard. – Briard 1958, nos. 82–89, 91–93
- 484. Guidel** (“Kergal”), Morbihan, France. – Hoard. – Marsille 1913, 103
- 485. Guidel** (“Kerhar”), Morbihan, France. – Hoard. – Marsille 1913, 105
- 486. Guingamp or Bourbriac area**, Côtes-d’Armor, France. – Hoard. – Briard *et al* 1973, 57 figs 8.2–7; 9.10–12
- 487. Le Havre**, Seine-Maritime, France. – Hoard. – Quilliec 2007, nos. 1429, 3943–3944, 3946–3951, 3957–3960
- 488. Île de Batz** (“Île Verte”), Finistère, France. – Hoard. – Briard 1961, 44 pl 1.3–6

- 489. Île de Groix** (“Men-Stang-Roh”), Morbihan, France. – Hoard. – Marseille 1921, 80 no. 1358 pls 5.9; 7
- 490. Kerlouan** (“Le Bourg”), Finistère, France. – Hoard. – Briard 1965, 309 no. 175
- 491. Lacroix-Saint-Ouen** (“La Haute Queue”), Oise, France. – Hoard. – Blanchet 1997, 8 fig 3.22, 24–25
- 492. Lampaul-Ploudalmézeau**, Finistère, France. – Hoard. – Briard 1965, 309 no. 178
- 493. Langoëlan** (“Botcazo”), Morbihan, France. – Hoard. – Briard 1991, 432 fig 6.7
- 494. Lessay**, Manche, France. – Hoard. – Briard 1965, 228
- 495. Locmariaquer** (“Pont-er-Vil”), Morbihan, France. – Hoard. – Marseille 1937, 5 no. 12
- 496. Longueville**, Calvados, France. – Hoard. – Coutil 1922, fig 1.81 (drawing depicts a hypothetical reconstruction of a much more incomplete hilt)
- 497. Longueville** (“Monneron”), Seine-et-Marne, France. – Hoard. – Gaucher 1981, fig 97.L.1
- 498. Loqueffret** (“Keryeven”) Finistère, France. – Hoard. – Briard 1965, 309 no. 191
- 499. Louvigné-du-Désert**, Ille-et-Vilaine, France. – Hoard. – Briard 1965, 313 no. 308
- 500. Marlers**, Somme, France. – Hoard. – Blanchet 1984, 290 fig 162.74, 76–79, 82–83, 96
- 501. Marseille** (“Marseille-Veyre”), Bouche-du-Rhône, France. – From a cave. – Robert *et al* 1978, 355 no. 62
- 502. Mellac** (“Kernaour”), Finistère, France. – Hoard. – Briard 1965, 310 no. 196
- 503. Moëlan** (“Vern”), Finistère, France. – Hoard. – Briard 1965, 310 no. 200
- 504. Montaigu**, Vendée, France. – Hoard. – Pautreau 1979, 203
- 505. Montépilloy** (“La Croix Surette”), Oise, France. – Single find. – Blanchet 1984, 526
- 506. Nantes** (“Les Ecobuts”), Loire-Atlantique, France. – Hoard. – Briard 1991, 142 no. 54
- 507. Nantes** (“Jardin des Plantes”), Loire-Atlantique, France. – Hoard. – Briard 1971b, 10, 12, 14 nos. 8–9, 11, 14–15, 18–24, 30–31, 38
- 508. Nantes** (“Prairie de Mauves”), Loire-Atlantique, France. – Hoard. – Briard 1966, 16–19 nos. 30–31, 33, 40–42, 47, 50–95
- 509. Nantes area**, Loire-Atlantique, France. – Find circumstances unknown. – Briard 1971a, 55 fig 3.4
- 510. Neuvic-sur-l'Isle** (“Puypinssou”), Dordogne, France. – From a settlement. – Coffyn 1985, 109 fig 50.17
- 511. Neuvy-sur-Barangeon** (“Petit-Villatte”), Cher, France. – Hoard. – Cordier 1996, 20 fig 6.6–7, 10, 17–18, 22–24
- 512. Noyal-Pontivy** (“Le Couëdic”), Morbihan, France. – Hoard. – Briard *et al* 1982/83, 49 fig 12.6–8
- 513. Le Palais** (“Bordustard”), Morbihan, France. – Hoard. – Boulud and Fily 2009, 288–290
- 514. La Pernelle**, Manche, France. – Find circumstances unknown. – Quilliec 2007, no. 3730

- 515. Planguenoual** (“Le Crapon”), Côtes-d’Armor, France. – Hoard. – Briard *et al* 1973, 43 fig 4.43–49
- 516. Planguenoual** (“Ville-Éon”), Côtes-d’Armor, France. – Hoard. – Briard *et al* 1973, 52 fig 6.10–11
- 517. Plélan-le-Grand**, Ille-et-Vilaine, France. – Hoard. – Briard 1991, 141 no. 43
- 518. Plessé**, Loire-Atlantique, France. – Hoard. – Briard 1961, 41 pl 2.5–10
- 519. Plobannalec** (“Lesconil”), Finistère, France. – Hoard. – Briard 1965, 310 no. 214
- 520. Plomeur** (“Kerbulic”), Finistère, France. – Hoard. – Le Roux and Briard 1970, 42 nos. 12–13
- 521. Ploudalmézeau**, Finistère, France. – Hoard. – Briard 1965, 310–311 no. 229
- 522. Plouénan** (“Le Bourg”), Finistère, France. – Hoard. – Briard 1965, 311 no. 231
- 523. Plouescat** (“Parc-Bodenez”), Finistère, France. – Hoard. – Briard 1965, 311 no. 232
- 524. Plouguerneau** (“Kergadavarn”), Finistère, France. – Hoard. – Briard 1991, 128 fig 3.7–9
- 525. Pornichet** (“Sainte-Marguerite”), Loire-Atlantique, France. – Hoard. – Bigoteau 1974/76, 135–136 nos. 45–51
- 526. Port-en-Bessin**, Calvados, France. – Hoard. – Briard 1965, 229
- 527. Port-Saint-Père**, Loire-Atlantique, France. – Hoard. – Briard 1965, 315 no. 370
- 528. Puceul** (“Île-aux-Lièvres”), Loire-Atlantique, France. – Hoard. – Briard 1991, 142 no. 58
- 529. Questembert** (“Parc-aux-Bœufs”), Morbihan, France. – Hoard. – Rivallain 2012, fig 85
- 530. Quimper** (“Parc-Penvilec’-h-Huella”), Finistère, France. – Hoard. – Briard 1965, 309 no. 172
- 531. Rouen**, Seine-Maritime, France. – Hoard. – Quilliec 2007, no. 3938
- 532. Saint-Avaugourd-des-Landes**, Vendée, France. – Hoard. – Pautreau 1979, 203
- 533. Saint-Genouph** (“Les Montils”), Indre-et-Loire, France. – Hoard. – Cordier *et al* 1960, 123 fig 10.9
- 534. Saint-Grégoire** (“La Bretèche”), Ille-et-Vilaine, France. – Hoard. – Briard *et al* 1977, 48–49 nos. 98–100
- 535. Saint-Just-Luzac** (“Pépiroin”), Charente-Maritime, France. – From a settlement. – Coffyn 1985, 109 fig 50.18
- 536. Saint-Léon-sur-l’Isle** (“Puypinsou”), Dordogne, France. – From a settlement. – Chevillot 1981, pl 29.1
- 537. Saint-Martin-de-la-Place**, Maine-et-Loire. – Single find? – Cordier and Gruet 1975, 232
- 538. Saint-Méen-le-Grand**, Ille-et-Vilaine, France. – Hoard. – Briard 1965, 314 no. 333
- 539. Saint-Pabu** (“Kerc’hleus”), Finistère, France. – Hoard. – Bénard Le Pontois 1929, 238 fig 264
- 540. Saint-Père-en-Retz** (“La Tien-denaie”), Loire-Atlantique, France. – Hoard. – Briard 1965, 316 no. 378
- 541. Saint-Yrieix-sur-Charente** (“Vénat”), Charente, France. – Hoard. – Coffyn *et al* 1981, 82–88 pls 4.12, 14–17; 5.20, 24–27; 6.1–26; 7.1–26

- 542. Sancey-le-Long** (“La Baume”) Doubs, France. – From a cave. – Aimé 1979, 428 pl 8.5–6
- 543. Thiais**, Val-de-Marne, France. – Hoard. – Mohen 1977, 256–257 no. 94-1 figs 549–550
- 544. Tourtenay**, Deux-Sèvres, France. – Hoard. – Germond and Champême 1998, 256 fig 2.3
- 545. Triou**, Deux-Sèvres, France. – Hoard. – Pautreau *et al* 1984, 32 fig 11.3
- 546. Vieux-Moulin** (“Saint-Pierre-en-Chastre”), Oise, France. – From a settlement. – Blanchet 1984, 265 fig 146.18
- 547. Vire**, Calvados, France. – Hoard. – Briard 1965, 229
- 548. Unprovenanced** (Mus. Chartres), France. – Find circumstances unknown. – Elùere 1972, 70 no. 75
- 549. Unprovenanced** (Mus. Lille), France. – Hoard. – Blanchet 1984, 296
- 550. Longy**, Alderney, Channel Islands. – Hoard. – Jockenhövel 1980, 79–80 no. 225 pl 88.2, 11–17, 23–24
- 551. Saint Lawrence** (“Mainlands”), Jersey, Channel Islands. – Hoard. – Hawkes 1937, 106–107
- 552. Saint Mary’s**, Jersey, Channel Islands. – Hoard. – Driscoll 2008, 205
- 553. Saint Ouen’s**, Jersey, Channel Islands. – Hoard. – Driscoll 2008, 206
- 554. Addington**, Surrey, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 691
- 555. Allhallows** (“Home Wood Farm”), Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 77 no. 348 pl 164.B.8–10
- 556. Arkesden** (“Chardwell Farm”), Essex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 127 pl 168.D.2.
- 557. Barling**, Essex, Great Britain. – Hoard. – Crowe 2003, 6 fig 3.11
- 558. Barrington area**, Cambridgeshire, Great Britain. – Single find. – Colquhoun and Burgess 1988, 110 no. 694
- 559. Birchington** (II “Minnis Bay”), Kent, Great Britain. – Hoard. – O’Connor 1980, 384–386 fig 59.4–9
- 560. Birchington** (III), Kent, Great Britain. – Hoard. – Perkins 1997, 233–236 nos. 16–19
- 561. Boughton Malherbe**, Kent, Great Britain. – Hoard. – Portable Antiquities Scheme KENT-15A293
- 562. Breage** (II), Cornwall, Great Britain. – Hoard. – Worrell 2004a, 36 no. 2
- 563. Butley** (I), Suffolk, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 128 pl 178.E
- 564. Chrishall**, Essex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 127 pl 168.B.5
- 565. Crundale**, Kent, Great Britain. – Hoard. – Richardson 2004, 15
- 566. Egham** (“Petters Sports Field”), Surrey, Great Britain. – Hoard. – Needham 1990, 52 figs 12.12–13, 34–35, 70–71; 13.14, 50
- 567. Freshwater West**, Pembrokeshire. – Hoard. – Unpublished, pers comm Adam Gwilt 14 June 2010
- 568. Glascoed** (“Llanbadog Fawr”), Monmouthshire. – Hoard. – Portable Antiquities Scheme NMGW-440A24
- 569. Gorleston-on-Sea** (I), Norfolk, Great Britain. – Hoard. – Clough and Green 1978, 11 fig 6

- 570. Grays Thurrock** (I), Essex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 77 nos. 352–353 pl 166.D.8–13, 16–17, 21, 26, 31, 35, 40
- 571. Hoaden** (II), Kent, Great Britain. – Hoard. – Perkins 1998, 366 fig 5.1.1–11
- 572. Hoaden** (III), Kent, Great Britain. – Hoard. – Roberts and Doshi 2007, 54 no. 55 (17)
- 573. Hoo** (“Whitehall Farm”), Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 77 no. 351 pl 165.B.7–8, 13–14
- 574. Isleham**, Cambridgeshire, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 42 nos. 164–166 pl 153.16, 21, 25
- 575. Leigh** (II), Essex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 77 no. 350
- 576. Levington**, Suffolk, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 nos. 687–688 pl 168.B.3, 5
- 577. Llancarfan** (I), Glamorgan, Great Britain. – Hoard. – Gwilt 2005/06, 221 no. 1223-2
- 578. Marloes and St. Brides**, Pembrokeshire, Great Britain. – Hoard. – Unpublished, pers comm Adam Gwilt 23 May 2013
- 579. Minster-in-Thanet** (“Abbey Farm”), Kent, Great Britain. – Hoard. – Perkins *et al* 1994, 295 tab. 4
- 580. Minster-in-Thanet** (“Ebbsfleet I”), Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 76–77 nos. 332–335 pl 165.A.11, 12, 22, 23, 30
- 581. Minster-in-Thanet** (“Ebbsfleet IV [A]”), Kent, Great Britain. – Hoard. – Andrews and Lawson 2005/06, 37 no. 10
- 582. Monkton** (II), Kent, Great Britain. – Hoard. – Perkins 1991, 251 fig 3.2, 3
- 583. Norfolk**, Great Britain. – Find circumstances unknown. – Colquhoun and Burgess 1988, 109–10 no. 693
- 584. Northampton area**, Northamptonshire, Great Britain. – Hoard. – Worrell 2004b, 43 nos. 31–33
- 585. North Tuddenham**, Norfolk, Great Britain. – Hoard. – PAS Report 2000/01, 74 fig 49
- 586. Norwich** (“Eaton”), Norfolk, Great Britain. – Hoard. – Metalwork 1966, 28 figs 72; 73
- 587. Reach**, Cambridgeshire, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 128 pl 171.F.1
- 588. Saint Nicholas-at-Wade** (“Shuart Farm”), Kent, Great Britain. – Hoard. – Perkins 1988, 202–204 fig 1.10–12
- 589. Snettisham** (III “Red Barn”), Norfolk, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 82 no. 412 pl 168.H.2
- 590. Southchurch**, Essex, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 127 pl 167.O.4, 5
- 591. Staines**, Surrey, Great Britain. – From the river Thames. – Colquhoun and Burgess 1988, 109 no. 692
- 592. Stogursey**, Somerset, Great Britain. – Hoard. – McNeil 1973, 58 fig 5
- 593. Stoke**, Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 77 pl 164.D.3
- 594. Stourmouth**, Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 109 no. 682

- 595. Swalecliffe**, Kent, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 126 pl 167.F.2
- 596. Uttlesford**, Essex, Great Britain. – Hoard. – British Museum, unpublished
- 597. Wakering**, Essex, Great Britain. – Hoard. – Crowe 2003, 9 fig 4.25
- 598. Waldershare**, Kent, Great Britain. – Hoard. – Dover Museum, unpublished
- 599. West Lulworth**, Dorset, Great Britain. – Hoard. – Colquhoun and Burgess 1988, 128 pl 178.B
- 600. Yattendon**, Berkshire, Great Britain. – Hoard. – Burgess *et al* 1972, 236 fig 18.58
- 601. Bobenheim-Roxheim** (“Silbersee”), Kr. Ludwigshafen, Germany. – From a former bed of the river Rhine. – Sperber 2006, 200 fig 5.2, 4–10, 14, 16, 19
- 602. Avenches** (“Eau-Noir”), Kt. Vaud, Switzerland. – River find. – Cowen 1955, 154 no. 16
- 603. Decimoputzu** (“Monte Sa Idda”), Prov. Cagliari, Italy. – Hoard. – Taramelli 1921, 40–41 figs 41; 46–48; 50
- 604. Piediluco**, Prov. Terni, Italy. – Hoard. – Ponzi Bonomi 1970, 111 fig 7.3, 5
- 605. Santa Marinella** (“Puntone del Castrato”), Prov. Roma, Italy. – Hoard. – Bianco Peroni 1970, 97 no. 269
- 606. Scicli** (“Castelluccio sull'Irminio”), Prov. Ragusa, Italy. – Hoard. – Di Stefano and Giardino 1990/91, 511 nos. 43–44, 46
- 607. Villagrande Strisaili** (“S'Arcu 'e is Forros”), Prov. Ogliastro, Italy. – Hoard. – Fadda 2011, 66

Bibliography

- Aimé, G 1979. ‘Les âges du Fer et du Bronze dans la Baume de Sancey-le-Long (Doubs)’, *Bulletin de la Société Préhistorique Française*, **76**, 421–33
- Almagro Basch, M 1967. *Depósito de Ocenilla (Soria)*, Inventaria Archaeologica España 7: E.17, Madrid
- Amalou, T and Pegeon, A 1989. ‘Quelques objets protohistoriques du Val de l’Oise, de L’Oise et Yvelines’, *Revue Archéologique de Picardie*, **1/2**, 111–8
- Andrews, P and Lawson, A J 2005/06. ‘Ebbsfleet, Kent: two Late Bronze Age base-metal scatters’, *Treasure Annu Rep 2005/06*, 7–8
- Bastien, G 1966. ‘Quelques objets inédits de l’âge du Bronze provenant des dragages de la Loire à la Ville-aux-Dames et à Amboise (I.-et-L.)’, *Bulletin de la Société Préhistorique Française*, **63**, CCLX–CCLXVI
- Bellancourt, G 1967. ‘Nouvelles épées de l’âge du Bronze draguées en Loire dans la région nantaise’, *Annales de Bretagne*, **74**, 81–9
- Bénard Le Pontois, C 1929. *Le Finistère préhistorique*, Publications de l’Institut International d’Anthropologie 3, Paris
- Berrocal-Rangel, L and Silva, A C 2010. *O Castro dos Ratinhos (Barragem do Alqueva, Moura)*. *Escavações num*

- povoado proto-histórico do Guadiana, 2004–2007*, O Arqueólogo Português, Suplemento 6, Lisbon
- Bianco Peroni, V 1970. *Die Schwerter in Italien – Le spade nell’Italia continentale*, Prähistorische Bronzefunde IV, 1, Beck, Munich
- Bianco Peroni, V 1974. ‘Neue Schwerter aus Italien – Altre spade dall’Italia continentale’, in Müller-Karpe 1974, 1–26
- Bigoteau, M 1974/76. ‘Collection d’objets de bronze “Ch. Mercier” déposée au Museum d’Histoire Naturelle de Nantes’, *Études Préhistoriques et Protohistoriques des Pays de la Loire*, 4, 127–47
- Billard, C, Desard, B and Lajoie, G 1993. ‘Éléments sur le peuplement de la basse vallée de la Seine à partir de l’étude de matériaux de dragage’, *Revue Archéologique de l’Ouest*, 10, 55–87
- Blanchet, J-C 1984. *Les premiers métallurgistes en Picardie et dans le nord de la France*, Memoirs de la Société Préhistorique Française 17, Paris
- Blanchet, J-C 1997. ‘Bilan des nouvelles découvertes archéologiques autour de Compiègne (1980–1995)’, *Bulletin de la Société Historique de Compiègne*, 35, 1–24
- Blanchet, J-C 2001a. ‘Nouveaux dépôts de la transition âge du Bronze/âge du Fer dans le contexte de la moyenne vallée de l’Oise’, in C-T Le Roux (ed), *Du monde des chasseurs a celui des métallurgistes* 171–80, *Revue Archéologique de l’Ouest*, Supplément 9, Rennes
- Blanchet, J-C 2001b. ‘Dépôt de la fin de l’âge du Bronze de Coye-la-Forêt (Oise)’, in W H Metz, B L van Beek and H Steegstra (eds), *Patina: essays presented to J J Butler on the occasion of his 80th birthday*, 85–93, Metz, Beck & Steegstra, Groningen
- Bloemers, J H F 1973. ‘Archeologische kroniek van Limburg over de jaren 1971–1972’, *Publications de la Société Historique et Archéologique dans le Limbourg*, 109, 7–55
- Bonnamour, L 1990. ‘Les armes de l’âge du Bronze dans la vallée de la Saône’, in L Bonnamour (ed), *Du silex à la poudre... 4000 ans d’armement en val de Saône*, 21–51, Mergoïl, Montagnac
- Boulud, S and Fily, M 2009. ‘Les dépôts métalliques de l’extrême fin du Bronze final en Bretagne: nouvelle évaluation des données à la lumière des découvertes récentes’, in M-J Roulière-Lambert, A Daubigney, P-Y Milcent, M Talon and J Vital (eds), *De l’âge du Bronze à l’âge du Fer en France et en Europe occidentale (X^e–VIF siècle av. J.-C.). La moyenne vallée du Rhône aux âges du Fer. Actes du XXX^e colloque international de l’A.F.E.A.F., co-organisé avec l’A.P.R.A.B. (Saint-Romain-en-Gal, 26–28 mai 2006)*, 283–98, *Revue Archéologique de l’Est*, supplément 27, Dijon
- Brandherm, D 2007. *Las espadas del Bronce Final en la Península Ibérica y Baleares*, Prähistorische Bronzefunde IV, 16, Steiner, Stuttgart
- Brandherm, D and Sicherl, B 2001. ‘Überlegungen zur Schwertproduktion der späten Urnenfelderzeit – Bemerkungen zur Herstellung späturnen-

- felderzeitlicher Vollgriffschwerter anhand zweier Beispiele von nördlich und südlich der Alpen', *Archäologisches Korrespondenzblatt*, **31**, 223–41
- Brandherm, D and Burgess, C 2008. 'Carp's-tongue Problems', in F Verse, B Knoche, J Graefe, M Hohlbein, K Schierhold, S Siemann, M Uckelmann and G Woltermann (eds), *Durch die Zeiten... Festschrift für Albrecht Jockenhövel zum 65. Geburtstag*, 133–68, Internationale Archäologie, Studia honoraria 28, Leidorf, Rahden
- Brandherm, D and Warmenbol, E 2008. 'The carp's-tongue sword discovered in Harelbeke (Western Flanders, Belgium). Reassessing an old find', *Lunula. Archaeologia protohistorica*, **16**, 43–7
- Breuil, H 1900. 'L'Âge du Bronze dans le Bassin de Paris', *L'Anthropologie*, **11**, 503–34
- Briard, J 1956. 'Le Bronze de facies atlantique en Armorique', *Congrès Préhistorique de France*, **15**, 313–27
- Briard, J 1958. 'Le dépôt de fondeur de Menez-Tosta en Gouesnach (Finistère)', *Travaux du Laboratoire de Anthropologie de Rennes*, **3**, 2–23
- Briard, J 1961. *Dépôts de l'âge du Bronze de Bretagne*, Travaux du Laboratoire de Anthropologie de Rennes 5, Rennes
- Briard, J 1965. *Les dépôts bretons et l'âge du Bronze atlantique*, Travaux du Laboratoire d'Anthropologie Préhistorique, Rennes
- Briard, J 1966. *Dépôts de l'âge du Bronze de Bretagne. La Prairie de Mauves à Nantes*, Travaux du Laboratoire de Anthropologie de Rennes 8, Rennes
- Briard, J 1967. 'Un dépôt du Bronze final: La Cour en Gausson (Côtes-du-Nord). *Annales de Bretagne*, **74**, 91–8
- Briard, J 1971a. 'Épées de Bretagne et d'ailleurs jetées dans les rivières à l'âge du Bronze', *Annales de Bretagne*, **78**, 47–58
- Briard, J 1971b. 'Le dépôt du Jardin des Plantes à Nantes (Bronze Final)', *Études Préhistoriques et Protohistoriques des Pays de la Loire*, **2**, 3–35
- Briard, J 1977. 'Épées de l'âge du Bronze draguées dans le Trieux', *Dossiers du Centre Régional Archéologique d'Alet*, **5**, 1977, 59–64
- Briard, J 1991. 'Le groupe de l'épée en langue de carpe en Armorique: une révision', in Chevillot and Coffyn 1991, 125–44
- Briard, J, Eluère, C, Mohen, J-P and Verron, G 1982/83. 'Missions au British Museum: objets de l'âge du Bronze trouvés en France I – Les ensembles', *Antiquités Nationales*, **14/15**, 34–58
- Briard, J, Le Roux, C-T and Onnée, Y 1973. 'Les dépôts de Planguenoual et le Bronze final des Côtes-du-Nord', *Annales de Bretagne*, **80**, 35–60
- Briard, J, Onnée, Y and Veillard, J-Y 1977. *L'âge du Bronze au Musée de Bretagne*, Musée de Bretagne, Rennes
- Briard, J and Onnée, Y 1980. 'L'âge du Bronze, du poudouvre au clos-poulet', *Dossiers du Centre Régional Archéologique d'Alet, numéro spécial*, **C**, 45–98
- Buchsenschutz, O, Willaume, M and Gablin, P 1979. 'Le site Bronze final – Premier âge du Fer des Grandes-Chapelles à Brion (Indre) ', *Bulletin*

- de la Société Préhistorique Française*, **76**, 408–20
- Burgess, C B, Coombs, D and Davies, D G 1972. 'The Broadward complex and barbed spearheads', in F Lynch and C Burgess (eds), *Prehistoric Man in Wales and the West: essays in honour of Lily F Chitty*, 211–83, Adams and Dart, Bath
- Butler, J J 1987. 'Bronze Age Connections: France and the Netherlands', *Palaeohistoria*, **29**, 9–34
- Cabrol, A 1939. 'Bronzes des dragages de la Saône', *Bulletin de la Société Préhistorique Française*, **36**, 407–16
- Chantre, E 1875/76. *Études palé-ethnologiques dans le bassin du Rhône. Âge du bronze, recherches sur l'origine de la métallurgie en France*, Baudry, Paris
- Chevillot, C 1981. *La civilisation de la fin de l'âge du Bronze en Périgord. Le Bronze final III: du X^e au VII^e siècle avant notre ère*, Mediapress, Périgueux
- Chevillot, C 1991. 'Le Périgord, un terroir à la croisée des complexes atlantique et nord-alpin', in Chevillot and Coffyn 1991, 145–64
- Chevillot, C and Coffyn, A (eds) 1991. *L'âge du Bronze atlantique: ses faciès, de l'Écosse à l'Andalousie et leurs relations avec le bronze continental et la Méditerranée. Actes du 1^{er} Colloque du Parc Archéologique de Beynac*, Association des Musées du Sarladais, Beynac-et-Cazenac
- Clough, T and Green, C 1978. 'The first Late Bronze Age founder's hoard from Gorleston, Great Yarmouth, Norfolk', *Norf Arch*, **37**, 1–18
- Coffyn, A 1967. 'Quelques épées du Bronze final du Sud-Ouest de la France', *Bulletin de la Société Préhistorique Française*, **64**, 785–98
- Coffyn, A 1969. 'L'âge du Bronze au Musée du Périgord', *Gallia Préhistoire*, **12**, 83–120
- Coffyn, A 1985. *Le Bronze final atlantique dans la Péninsule Ibérique*, Publications du Centre Pierre Paris 11, Boccard, Paris
- Coffyn, A 1987. 'Une épée draguée dans la Gironde', *Bulletin et Mémoires de la Société Archéologique de Bordeaux*, **78**, 29–30
- Coffyn, A, Gómez, J and Mohen, J-P 1981. *L'apogée du Bronze atlantique: le dépôt de Vénat*, L'âge du bronze en France 1, Picard, Paris
- Coffyn, A and Roux, D 1991. 'Le "Bronze atlantique": mythe ou réalité? Approche d'une méthodologie des partitions: le cas de la Gironde', in Chevillot and Coffyn 1991, 165–82
- Colquhoun, I and Burgess, C B 1988. *The Swords of Britain*, Prähistorische Bronzefunde IV, 5, Beck, Munich
- Combier, J 1977. 'Circonscription de Rhône-Alpes', *Gallia Préhistoire*, **20**, 561–668
- Cordier, G 1976. 'Les civilisations de l'âge du Bronze dans le Centre-Ouest et les pays de la Loire moyenne', in J Guilaine (ed), *La Préhistoire française II: les civilisations néolithiques et protohistoires de la France*, 543–60, CNRS, Paris
- Cordier, G 1978. 'Les découvertes de l'âge du Bronze dans le Loiret et les régions voisines', *Revue Archéologique du Loiret*, **4**, 23–30
- Cordier, G 1996. *Le dépôt de l'âge du Bronze final du Petit-Villatte à Neuvy-*

- sur-Barangeon (Cher) et son contexte régional*, La Simarre, Joué-les-Tours
- Cordier, G and Gruet, M 1975. 'L'âge du Bronze et le premier âge du Fer en Anjou', *Gallia Préhistoire*, **18**, 157–287
- Cordier, G, Millotte, J-P and Riquet, R, 1959. 'La cachette de bronze d'Azay-le-Rideau (Indre-et-Loire)', *Gallia Préhistoire*, **2**, 57–70
- Cordier, G, Millotte, J-P and Riquet, R 1960. 'Trois cachettes de bronze de l'Indre-et-Loire', *Gallia Préhistoire*, **3**, 109–28
- Cordier, G and Millotte, J-P 1961. 'Inventaire des trouvailles de l'âge du Bronze en Indre-et-Loire', *Gallia Préhistoire*, **4**, 143–63
- Coutil, L 1921. 'L'âge du Bronze en Normandie: Eure, Seine-Maritime, Orne, Calvados et Manche', *Comptes Rendus de l'Association Française pour l'Avancement des Sciences (Congrès à Rouen)*, **45**, 791–812
- Coutil, L 1922. 'L'âge du Bronze en Normandie II: Calvados et Manche', *Comptes Rendus de l'Association Française pour l'Avancement des Sciences (Congrès à Montpellier)*, **46**, 1–12 [offprint pagination]
- Cowen, J D 1952. 'Swords in northern Europe: a reconsideration of Sprockhoff's Griffzungenschwerter', *Proc Prehist Soc*, **18**, 129–47
- Cowen, J D 1955. 'Eine Einführung in die Geschichte des bronzenen Griffzungenschwertes in Süddeutschland und den angrenzenden Gebieten', *Bericht der Römisch-Germanischen Kommission*, **36**, 52–155
- Cowen, J D 1971. 'A striking maritime distribution pattern', *Proc Prehist Soc*, **37**, pt 2, 154–66
- Crowe, K 2003. 'Two Late Bronze Age hoards from south-east Essex', *Essex Archaeol Hist*, ser 3, **34**, 1–18
- Daleau, F 1880. 'Le dépôt du moulin de Prade à Cézac', *Bulletin et Memoires de la Société Archéologique de Bordeaux*, **7**, 5–8
- De Laet, S J 1982. *La Belgique d'avant les Romains*, Universa, Weteren
- Depalmas, A, Fundoni, G and Luongo, F 2011. 'Ripostiglio di bronzi della prima età del ferro a Sant'Imbenia – Alghero (Sassari)', *Rivista di Scienze Preistoriche*, **61**, 231–56
- Di Stefano, G and Giardino, C 1990/91. 'Scicli (Ragusa): il ripostiglio di bronzi in contrada Castelluccio sull'Irminio', *Notizie degli Scavi di Antichità*, ser 9, **1/2**, 489–546
- Doize, R L 1959. 'La cachette de l'âge du Bronze de Chamery (Marne)', *Congrès Préhistorique de France*, **16**, 530–8
- Driscoll, P 2008. 'The Channel Islands: an archipelago of the Atlantic Later Bronze Age', in O Davis, N Sharples and K Waddington (eds), *Changing Perspectives on the First Millennium BC. Proceedings of the Iron Age Research Student Seminar 2006*, 199–214, Oxbow, Oxford
- Eluère, C 1972. 'Les bronzes proto-historiques du Musée de Chartres', *Bulletin de la Société Archéologique d'Eure-et-Loir*, **44/45**, 1–124 [offprint pagination]
- Eogan, G 1965. *Catalogue of Irish Bronze Age Swords*, Stationery Office, Dublin

- Fadda, M A 2011. 'S'Arcu 'e is Forros. Antichi sardi purificati', *Archeologia Viva*, **30** (145), 62-7
- Farnié Lobensteiner, C and Quesada Sanz, F 2005. *Espadas de hierro, grebas de bronce: símbolos de poder e instrumentos de guerra a comienzos de la Edad del Hierro en la Península Ibérica*, Monografías del Museo de Arte Ibérico de El Cigarralejo 2, Dirección General de Cultura, Murcia
- Fernández Manzano, J 1986. 'Bronce Final en la Meseta Norte española: el utillaje metálico', Junta de Castilla y León, Valladolid
- Fernández Manzano, J and Herrán Martínez, J I 2004/05. 'Una espada de lengua de carpa hallada en Paradela de Muces (El Bierzo, León)', *Lancia*, **6**, 77-85
- Fily, M 2009. 'Les dépôts de la fin de l'âge du Bronze final de Kergaradec à Gouesnac'h (Finistère)', *Bulletin de la Société Préhistorique Française*, **106**, 95-107
- Gallay, G 1988. *Die mittel- und spätbronze- sowie ältereisenzeitlichen Bronzedolche in Frankreich und auf den britischen Kanalinseln*, Prähistorische Bronzefunde VI, 7, Beck, Munich
- Gaucher, G 1981. *Sites et cultures de l'âge du Bronze dans le Bassin parisien*, Gallia Préhistoire Supplément 15, CNRS, Paris
- Gaucher, G 1982. 'Le dépôt de l'âge du Bronze de Dreuil-lès-Amiens (Somme)', *Gallia Préhistoire*, **25**, 167-85
- Germond, G and Champême, L-M 1998. 'Un dépôt de l'âge du Bronze final à Tourtenay (Deux-Sèvres)', *Bulletin de la Société Préhistorique Française*, **95**, 255-68
- Germond, G, Gomez, J, Verron, G and Bourhis, J-R 1988. 'Nouvelles recherches sur le dépôt d'Auvers, Manche', *Bulletin de la Société Préhistorique Française*, **85**, 15-32
- Giot, P-R 1971. 'Circonscription de Bretagne', *Gallia Préhistoire*, **14**, 339-61
- Griño Frontera, B de 1989. *Los puñales de tipo Monte Bernorio-Miraveche*, BAR Int Ser 504, British Archaeological Reports, Oxford
- Guilaine, J 1969. 'Le dépôt de bronzes de Carcassone', *Revue Archéologique de Narbonnaise*, **2**, 1-28
- Guillaumet, J-P., Blanchet, J-C, Bouet-Langlois, B, Boulud, S, Roussot-Larroque, J and Verney, A 1999. 'La collection Henri Lamarre (1904-1982)', *Antiquités Nationales*, **31**, 44-115
- Gwilt, A 2005/06. 'Llancarfan, Vale of Glamorgan: Late Bronze Age hoard', *Treasure Annu Rep 2005/06*, 221
- Hawkes, J 1937. *The Archaeology of the Channel Islands 2. The Bailiwick of Jersey*, Methuen, London
- Hencken, H 1956. 'Carp's tongue swords in Spain, France and Italy', *Zephyrus*, **7**, 125-78
- Janicault, G 1944. 'L'âge du Bronze dans le département de la Creuse', *Mémoires de la Société des Sciences naturelles et archéologiques de la Creuse*, **29**, 1-19
- Joachim, H E 1973. 'Neue Metallfunde der Bronze- und Urnenfelderzeit vom Niederrhein', *Bonner Jahrbuch*, **173**, 257-66

- Jockenhövel, A 1980. *Die Rasierrmesser in Westeuropa*, Prähistorische Bronzefunde VIII, 3, Beck, Munich
- Jockenhövel, A and Smolla, G 1975. 'Le dépôt de Juvincourt-Damaray (Aisne)', *Gallia Préhistoire*, **18**, 289–313
- Kilian, K 1974. 'Zu den früheisenzeitlichen Schwertformen der Apenninhalbinsel', in Müller-Karpe 1974, 33–80
- Kolling, A 1968. *Späte Bronzezeit an Saar und Mosel*, Saarbrücker Beiträge zur Altertumskunde 6, Habelt, Bonn
- Kostrzewski, J 1962. 'Skarby i luźne znaleziska metalowe od eneolitu do wczesnego okresu żelaza z górnego i środkowego dorzecza Wisły i górnego dorzecza Warty', *Przegląd Archeologiczny*, **15**, 5–133
- Kubach, W 1983. 'Bronzezeitliche Depositionen im nordhessischen sowie im Weser- und Leinebergland', *Jahrbuch des Römisch-Germanischen Zentralmuseums*, **30**, 113–59
- Lawson, A J 1995. 'Bronze Age metalwork (Ebbsfleet III hoard, N.G.R. TR 33206300)', *Archaeol Cantiana*, **115**, 274–7
- Lejards, J 1966. 'Nouvelle cachette de fondeur', *Bulletin de la Société Polymathique du Morbihan*, **93**, 3–7
- Le Roux, C-T and Briard, J 1970. 'Dépôts de l'âge du Bronze inédits ou mal connus du Finistère', *Annales de Bretagne*, **77**, 37–55
- L'Helgouach, J L 1981. 'Circonscription des Pays de la Loire', *Gallia Préhistoire*, **24**, 425–37
- Lo Schiavo, F 1978. 'Armi e utensili da Siniscola', in R Caprara (ed), *Sardegna Centro-Orientale dal Neolitico alla fine del Mondo Antico. Nuoro – Museo Civico Speleo-Archeologico: mostra in occasione della XXII riunione scientifica dell'Istituto Italiano de Preistoria e Protostoria*, 85–87, Dessi, Sassari
- Lo Schiavo, F 1991. 'La Sardaigne et ses relations avec le Bronze final atlantique', in Chevillot and Coffyn 1991, 213–26
- Lo Schiavo, F 1994. 'Doro Levi e i bronzi nuragici', *Quaderni della Soprintendenza ai Beni Archeologici per le Province di Sassari e Nuoro*, **18**, 61–81
- MacWhite, E 1951. *Estudios sobre las relaciones atlánticas de la Península hispánica en la Edad de Bronce*, Disertaciones Matritenses 2, Seminario de Historia Primitiva del Hombre, Madrid
- Marsille, L 1913. 'Les dépôts de l'âge du Bronze dans le Morbihan', *Bulletin de la Société Polymathique du Morbihan 1913*, 49–109
- Marsille, L 1921. *Catalogue du musée archéologique de la Société Polymathique du Morbihan*, Musée Archéologique, Vannes
- Marsille, L 1937. 'Le dépôt de Pont-er-Vil en Locmariaquer', *Bulletin de la Société Polymathique du Morbihan 1937*, 1–8
- McNeil, R A 1973. 'A report on the Bronze Age hoard from Wick Park, Stogursey, Somerset', *Proc Somersetshire Arch Nat Hist Soc*, **117**, 47–64
- Meijide Cameselle, G 1988. *Las espadas del Bronce Final en la Península Ibérica*, Arqueohistórica 1, Santiago de Compostela

- Méloizes, A des 1889/90. 'Un cimetière gaulois à épées de bronze découvert à Villement, communes de Saint-Oustrille et Thizay (Indre): note sur deux épées de bronze trouvées à Bourges et à Déols', *Mémoires de la Société des Antiquaires du Centre*, **17**, 15–36
- Méroc, L 1957. 'Circonscription des Antiquités Préhistoriques X^e', *Gallia*, **15**, pt 3, 92–109
- Metalwork 1966. *Bronze Age Metalwork in Norwich Castle Museum*, Norwich Castle Museum, Norfolk
- Micault, V 1883. 'Épées et poignards de bronze des Côtes-du-Nord, Finistère et Ille-et-Vilaine', *Comptes-Rendus et Mémoires de la Société de Émulation des Côtes-du-Nord*, **21**, 71–125
- Millotte, J P 1958. *Catalogue des collections archéologiques de Besançon: les antiquités de l'âge du Bronze*, Annales Littéraires de l'Université de Besançon 22, Société d'éditions "Les Belles Lettres", Paris
- Mohen, J-P 1970. 'L'épée de Sainte-Anastasia (Gard, France)', *Jahrbuch des Römisch-Germanischen Zentralmuseums*, **17**, 56–62
- Mohen, J-P 1977. *L'âge du Bronze dans la région de Paris: catalogue synthétique des collections conservées au Musée des Antiquités Nationales*, Éditions des Musées Nationaux, Paris
- Moskal, M 2007. 'Późnobrażowe miecze z językiem karpia na terenie Europy', in J Chochorowski (ed), *Studia nad epoką brązu i wczesną epoką żelaza. Księga poświęcona Profesorowi Markowi Gedlowi na pięćdziesięciolecie pracy w Uniwersytecie Jagiellońskim*, 465–531, Wydaw-
- nictwo Uniwersytetu Jagiellońskiego, Kraków
- Mouton, P 1954. 'Musée de Langres: armes et outils de l'âge du Bronze', *Revue Archéologique de l'Est et du Centre-Est*, **5**, 46–55
- Müller-Karpe, H (ed) 1974. *Beiträge zu italienischen und griechischen Bronzefunden*, Prähistorische Bronzefunde XX, 1, Beck, Munich
- Needham, S 1990. *The Petters Late Bronze Age Metalwork: an analytical study of Thames Valley metalworking in its settlement context*. British Museum Occasional Paper 70, London
- Needham, S and O'Connor, B 2013. 'The metalwork assemblages: identification, connections, and metal composition', in S Needham, D Parham and C J Frieman (eds), *Claimed by the Sea: Salcombe, Langdon Bay, and other marine finds of the Bronze Age*, 57–90, CBA Research Report 173, Council for British Archaeology, York
- Noel, A 1957. 'La cachette de bronze de Boissy-aux-Gailles (Seine-et-Marne) et les cachettes du centre de la France', *Revue Archéologique de l'Est et du Centre-Est*, **8**, 298–311
- O'Connor, B 1980. *Cross-Channel Relations in the Later Bronze Age: relations between Britain, North-Eastern France and the Low Countries during the Later Bronze Age and the Early Iron Age, with particular reference to the metalwork*, BAR Int Ser 91, British Archaeological Reports, Oxford
- PAS Report 2000/01. *Portable Antiquities Annual Report 2000–2001*, Depart-

- ment for Culture, Media and Sport, London
- Pautreau, J-P 1979. *Le chalcolithique et l'âge du Bronze en Poitou: Vendée, Deux Sèvres, Vienne*, Centre d'Archéologie et d'Ethnologie Poitevines, Poitiers
- Pautreau, J-P 1984. 'Quelques aspects de la métallurgie en Poitou aux âges du Cuivre et du Bronze', in *Paléoméallurgie de la France Atlantique: âge du Bronze*, 99–133, Laboratoire d'Anthropologie, Préhistoire, Protohistoire et Quaternaire Armoricaïns, Rennes
- Pautreau J-P, Gendron, C and Bourhis, J-R 1984. *La cachette de Triou: l'âge du Bronze en Deux-Sèvres (2500–800 av. J.-C.)*, Musée de Niort, Niort
- Perkins, D R J 1988. 'A Late Bronze Age hoard from Shuart, Kent', *Archaeol Cantiana*, **106**, 201–4
- Perkins, D R J 1991. 'A Late Bronze Age hoard found at Monkton Court Farm, Thanet', *Archaeol Cantiana*, **109**, 247–64
- Perkins, D R J 1997. 'The Birchington III hoard', *Archaeol Cantiana*, **117**, 232–7
- Perkins, D R J 1998. 'The Hoaden (II) Bronze hoard', *Archaeol Cantiana*, **118**, 365–71
- Perkins, D R J, MacPherson, N and Healy, E 1994. 'Monkton Court Farm evaluation, 1992', *Archaeol Cantiana*, **114**, 237–316
- Poissonnier, B 1999. 'Archéologie de la Basse Loire avant l'âge du Fer, dans son cadre géomorphologique d'après les découvertes fluviales', unpublished Mémoire de diplôme, EHESS Toulouse
- Ponzi Bonomi, L 1970. 'Il ripostiglio di Contigliano', *Bullettino di Paleontologia Italiana*, **21**, 95–156
- Quilliec, B 2007. *L'épée atlantique: échanges et prestige au Bronze final*, Mémoires de la Société Préhistorique Française 42, Paris
- Richardson, A 2004. 'Crundale Late Bronze Age hoard', *Kent Arch Soc Newsletter*, **60**, 15
- Rivallain, J 2012. *Les haches a douille armoricaines revisitées. Apports des travaux et des études de la deuxième moitié du XXème siècle en Bretagne*, Centre Régional d'Archéologie d'Alet, Saint Malo
- Robert, A, Girard, A and Peyron, J 1978. 'Les épées du Bronze final de Pont Saint-Esprit et du tiers sud de la France', *Cahiers du Gard Rhodanien*, **12**, 216–24, 347–67
- Roberts, B and Doshi, N 2007. 'Hoaden, Kent: base metal group', *Portable Antiquities and Treasure Annual Report 2007*, 54
- Ruiz-Gálvez Priego, M 1984. *La Península Ibérica y sus relaciones con el círculo cultural atlántico*, Editorial de la Universidad Complutense, Madrid
- Sanz Mínguez, C 1986. 'Variantes del puñal de tipo Monte Bernorio en el Valle Medio del Duero', *Boletín del Seminario de Estudios de Arte y Arqueología*, **52**, 25–46
- Schauer, P 1971. *Die Schwerter in Süddeutschland, Österreich und der Schweiz I (Griffplatten-, Griffangel- und Griffzungenschwerter)*, Prähistorische Bronzefunde IV, 2, Beck, Munich

- Schüle, W 1969. *Die Meseta-Kulturen der Iberischen Halbinsel*, Madrider Forschungen 3, De Gruyter, Berlin
- Simón García, J L 1998. *La metalurgia prehistórica valenciana*, Serie de Trabajos varios del Servicio de Investigación Prehistórica 93, Diputación Provincial de Valencia, Valencia
- Sperber, L 2006. 'Bronzezeitliche Flußdeponierungen aus dem Altrhein bei Roxheim, Gde. Bobenheim-Roxheim, Kreis Ludwigshafen – Ein Vorbericht', *Archäologisches Korrespondenzblatt*, **36**, 195–214
- Taramelli, A 1921. 'Il ripostiglio dei bronzi nuragici di Monte Sa Idda di Decimoputzu (Cagliari) ', *Monumenti Antichi*, **27**, 6–107
- Turner, L 2010. *A Re-Interpretation of the Later Bronze Age Metalwork Hoards of Essex and Kent*, BAR Brit Ser 507, Archaeopress, Oxford
- Verney, A 1990a. 'Le dépôt de Challans (Vendée)', *Bulletin de la Société Préhistorique Française*, **87**, 396–417
- Verney, A 1990b. 'La Protohistoire: les ages des metaux', in *Empreintes: l'Orne Archéologique. Exposition du Musée Départemental des Arts et Traditions Populaires du Perche, 2 juin–15 septembre 1990*, 20–33, Musée Départemental des Arts et Traditions Populaires du Perche, Saint-Cyr-la-Rosière
- Verney, A and Desloges, J 2000. 'Le dépôt du Bronze final III de la roche Bottin à Cerisy-la-Salle (Manche)', in D Cliquet (ed), *L'archéologie dans la Manche: fouilles et recherches récentes (1990–1999)*, 93–109, Etudes et Documents 13, Société d'Archéologie et d'Histoire de la Manche, Saint-Lô
- Verron, G 1971. *Musée Départemental des Antiquités de la Seine-Maritime: antiquités préhistoriques et proto-historiques*, Musée Départemental des Antiquités de la Seine-Maritime, Rouen
- Verron, G 1973. 'Circonscription de Haute et Basse Normandie', *Gallia Préhistoire*, **16**, 361–99
- Verron, G 2000. *Préhistoire de la Normandie*, Éditions Ouest-France, Rennes
- Warmenbol, E 1988. 'Broken Bronzes and Burned Bones: the transition from Bronze to Iron Age in the Low Countries', *Helinium*, **28**, 244–70
- Worrell, S 2004a. 'Breage, Cornwall (2): Late Bronze Age base-metal hoard', *Treasure Annual Report 2004*, 36
- Worrell, S 2004b. 'Northampton Area, Northamptonshire: Late Bronze Age base-metal scatter', *Treasure Annual Report 2004*, 41–5
- Wüstemann, H 2004. *Die Schwerter in Ostdeutschland*, Prähistorische Bronzefunde IV, 5, Steiner, Stuttgart