

MEDIEVAL BROOCHES FROM THE DUTCH PROVINCE OF FRIESLAND (FRISIA): A REGIONAL
PERSPECTIVE ON THE WIJNALDUM BROOCHES.
PART II: DISC BROOCHES

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ABSTRACT: The second part of the catalogue of medieval brooches from Friesland deals with the disc brooches (cf. Bos, 2005/06a; Bos, 2005/06b). It describes over 1,000 specimens.

KEYWORDS: the Netherlands, Friesland, Wijnaldum, disc brooches, Middle Ages, catalogue, morphology, demography, metal detection, *terpen*.

1. INTRODUCTION

The general introduction and background to this series will be found in Bos 2005/06a. It puts the inventory into context, explains its limited scope and the reason why mostly prototypes are depicted. Also it lists the many contributors.

Special thanks are due to Jan Zijlstra, of Leeuwarden, who himself never touched a metal detector, and to Gerke van Dijk, the most proficient searcher of all. The period in question of the large increase in detector

finds, roughly 1985 to 1995, was a spectacular time. Although the number of disc brooches from Friesland has been increased by almost 50% since closure of the catalogue presented here, the big harvest was in those years, showing which *terpen* were most affected by erosion, such as Wijnaldum, Pingjum, Dongjum (I retract my earlier remarks on Dongjum's demography – Bos, 2005/06b) and Oosterbierum. If one should nowadays visit the *Riegeterpen* of Pingjum, one would be hard pressed to find anything with only the aid of a metal detector.

Zijlstra (2003) describes how around 1975 only some 15 disc brooches were known from Friesland. This has changed. In terms of numbers, this category is now by far the largest (over 1000 presented here. Zijlstra (2003: 9) expected about 1400–1500 examples to be known in 2007. As has been customary (cf. Frick, 1992/93), the catalogue is not restricted to round disc brooches, but also includes flower-shaped, rectangular, sickle-shaped and cross-shaped disc brooches. However, S-shaped disc brooches will be treated as a separate group, and animal-shaped disc brooches will be discussed with the zoomorphic brooches.

A few Merovingian types are included. The majority of the disc brooches, however, date from Carolingian/Ottonian times, and belong to the so-called *Nordkreis*. Unfortunately, many different dates are given for quite a few types. If no date is given, it is safe to assume a general dating in the 8th–10th century AD, while there is no evidence to allow a more specific date. Please note that wherever possible the date of deposition is given, not that of manufacture. The 11th and 12th centuries saw the gradual dwindling of all types of disc brooch, the group of pseudo-coin brooches providing the last fashionable types.

In classification, shape came before depiction. The group of disc brooches with a cross design has been

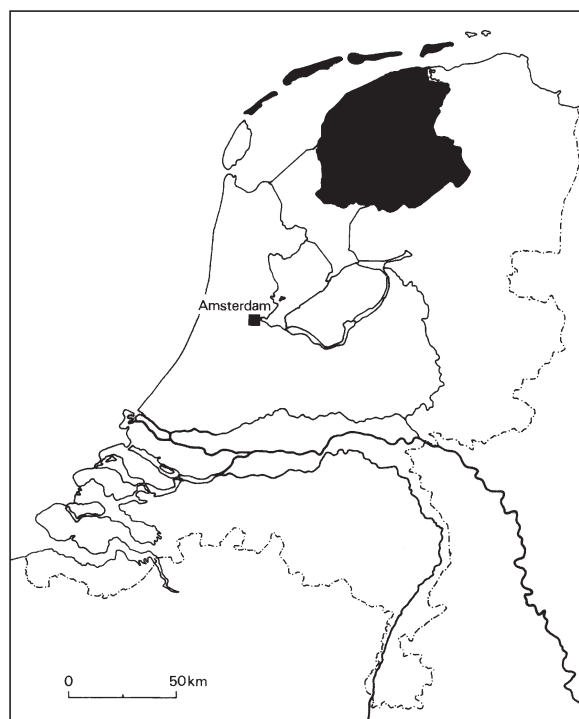


Fig. 1. Friesland (drawing J.H. Zwier, GIA).

Fig. 2. The municipalities in mainland Friesland where early medieval brooches have been found. Wijnaldum is indicated by an asterisk (drawing J.H. Zwier, GIA).



broadly defined: some Y shapes have been included. Pseudo-coin brooches are treated as an independent group and not as a subgroup of brooches with human depictions: it is, after all, primarily the coin that is featured, and only indirectly – if at all – the bust.

Useful overviews have been presented by Frick (1992/93) and Wamers (1994). Frick, who gives as complete an inventory as possible, stopped filing early in 1992; many references to earlier work are to be found in Frick's publication. These authors performed no research aimed at clarifying national or international distribution patterns (in spite of brooch finds reported in numerous local and regional chronicles).

Unless stated otherwise, the brooches are made of bronze or some other copper alloy, while the pin is made of iron.

Most types are illustrated as prototypes, however, the reader should not be guided by the illustrations alone, since variations may occur. For instance, for reasons of efficiency not all types of the pseudo-coin brooches are illustrated with one, two, three and more beaded rims, even though in the catalogue these are treated as separate types. Ideas about quantities can be found in publications such as Proos (2004: 9–20).

Besides brooches with an unknown Frisian provenance, or a provenance indicating that they were

found in redeposited *terp* soil used as fertilizer, 126 finds from Oostergo will be presented, and 872 from Westergo (fig. 3). This ratio [of 1 : 7] is not the same for all groups and types. Group 2.1 (with circles, mainly *Nabenemailscheibenfibeln*) shows a ratio of 9 : 114 [1 : 12.7] (the *Nabenemailscheibenfibeln* themselves even of 5 : 94 [1 : 19] (Bos, 2005/06a: fig. 2). Group 2.7 (with animal or human motifs, including *Heiligenfibeln*) shows a ratio of 4 : 69 [1 : 17.3] (the *Heiligenfibeln* themselves even of 0 : 38). Group 2.6 (pseudo-coin brooches), on the other hand, has a ratio of 25:146 [1 : 5.8], and the fairly heterogeneous Group 2.5 (displaying a cross, including many *Kreuzemailfibeln*) of 62:333 [1 : 5.4] (the *Kreuzemailfibeln* themselves of 36:230 [1 : 6.4]). At the other end of the scale, a group of brooches in which tin dominates, consisting of types 2.2.3, 2.5.4.3, 2.5.4.4 and 2.5.4.5, is represented by six finds from Oostergo and none from Westergo.

This apparent difference between Westergo and Oostergo is curious; it would either indicate that the Middelzee, the estuary separating these regions, was more of a barrier than a bridge to the seafaring Frisians, or that these brooches were mainly produced for fairly local markets. The second suggestion is not borne out by the distribution maps of northwestern Europe presented by Frick (*op. cit.*), unless one concludes that

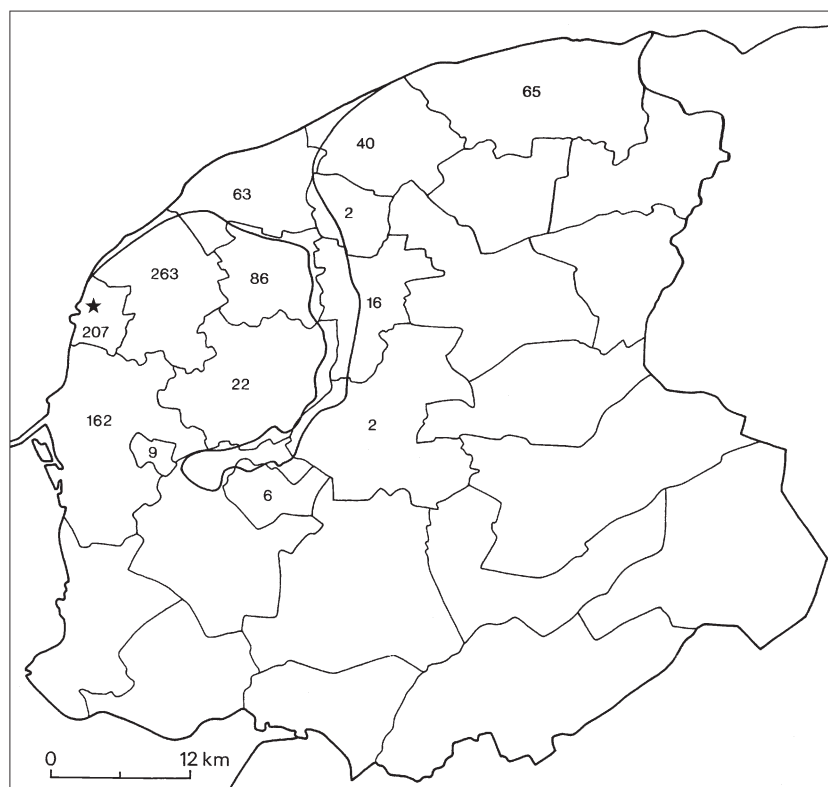


Fig. 3. Distribution of the disc brooches in mainland Friesland, by municipality. Thirty-five could not be attributed to a specific municipality. Wijnaldum is indicated by an asterisk (drawing J.H. Zwier, GIA).

concepts may have travelled widely, but brooches only on a limited scale. This is in fact suggested by Frick himself (1992/93: 355). A similar project undertaken in the *terpen* region of the adjacent province of Groningen would be of considerable interest.

Frisian topographical names have been translated into Dutch, to facilitate comparisons with older publications. In most municipalities the original Frisian names are again being used. Stating both the Frisian and the Dutch names would have rendered this paper too bulky. However, the findspots are reported just as the collectors indicated. Thus, near Pingjum there is no factual difference between *Rigeterpen* and *Riegeterpen*. The Dutch names were officially used until quite recently, but Friesland is now formally Fryslân and Frisian is an official European language. My apologies to all Frisians.

2. THE STRUCTURE OF THE CATALOGUE

The structure of the catalogue is explained in the General Introduction to this series of publications on Frisian brooches (Bos, 2005/06a, including abbreviations). To summarize: each specimen is described by its catalogue number, findspot if known, material if

not bronze or another copper alloy, dimensions (in this chapter mostly the diameter), comments, provenance, and publication if any. First, under the heading of *W '91-'93* the finds from the Wijnaldum excavation are given, then the finds from the other Wijnaldum *terpen*, followed by the other finds from Westergo, and then by the finds from Oostergo, both grouped per municipality, and lastly, under the heading of 'Friesland', the finds from unrecorded findspots in the province of Friesland. The abbreviation FM stands for Fries Museum at Leeuwarden.

In figs 4a–4i examples of the different types ('prototypes') drawn by J.M. Smit are shown at full size. In a few cases the originals were not accessible when the brooches were drawn. Where possible sketches published by J. Zijlstra (1990;1993) are reproduced in fig. 5.

3. CONTENTS OF THE CATALOGUE

2.1. Group of disc brooches with circle-and-dot(s) or concentric circles

2.1.1. Subgroup of early brooches with true circle-and-dots

2.1.1.1. Type divided into sectors

- 2.1.1.2. Type with a cross
- 2.1.1.3. Type with a ring of circle-and-dots
- 2.1.1.4. Type unknown
- 2.1.2. *Subgroup of later brooches with concentric circles*
 - 2.1.2.1. Type *Nabenmailscheibenfibeln*
 - 2.1.2.2. Type with a central circle-and-dot and a cabled rim
 - 2.1.2.3. Type with ragged concentric circles
 - 2.1.2.4. Type resembling a draughtsman
 - 2.1.2.5. Type with rosette shape
 - 2.1.2.6. The same type, but three-dimensional

2.2. Group with a convex central boss

- 2.2.1. Type shaped like a smooth boss
- 2.2.2. Type like a boss with a nipple
- 2.2.3. Type *Buckelfibeln*
- 2.2.4. Type with a notched rim

2.3. Group with a central cloison

- 2.3.1. *Subgroup with hupcap-like designs*
 - 2.3.1.1. Type with six holes
 - 2.3.1.2. Type with eight holes
 - 2.3.1.3. Type with six alternating holes and dimples, and spokes
 - 2.3.1.4. Type with five dimples and spokes
 - 2.3.1.5. Type with eight dimples and spokes
 - 2.3.1.6. Type with four dimples and a scratched cross in a circle
 - 2.3.1.7. Type with five dimples within a scratched circle
 - 2.3.1.8. Type with seven or eight dimples within a circle
 - 2.3.1.9. Type with seven dimples within a scratched circle
- 2.3.2. *Subgroup with a flower or star shape*
 - 2.3.2.1. Type of six-petalled flower
 - 2.3.2.2. Type of seven-petalled flower
 - 2.3.2.3. Type of nine-petalled flower
 - 2.3.2.4. Type of six-pointed star
 - 2.3.2.5. Type of seven-pointed star
 - 2.3.2.6. Type of eight-pointed star
 - 2.3.2.7. Type of nine-pointed star

2.4. Group with pseudo-cloison

- 2.4.1. *Subgroup with hubcap-like designs*
 - 2.4.1.1. Type with six dimples
 - 2.4.1.2. Type with seven dimples
 - 2.4.1.3. Type with six spokes and fellow
 - 2.4.1.4. Type with eight rays
- 2.4.2. Type with a radiant star
- 2.4.3. *Subgroup with flower shape*
 - 2.4.3.1. Type of six-petalled flower with a central dimple
 - 2.4.3.2. Type of six-petalled flower with a central boss

- 2.4.3.3. Type of seven-petalled flower

2.5. Group with one or more crosses

- 2.5.1. *Subgroup of Kreuzemailfibeln*
 - 2.5.1.1. Type Haseloff 1a
 - 2.5.1.2. Type unknown (empty saucers)
 - 2.5.1.3. Type Haseloff 1a in *Grubenschmelz* technique
 - 2.5.1.4. Type Haseloff 1b
 - 2.5.1.5. Type Haseloff 2a
 - 2.5.1.6. Type Haseloff 2b
 - 2.5.1.7. Type with three cells
 - 2.5.1.8. Type with three cells with loops
 - 2.5.1.9. Type with three kidney-shaped cells
 - 2.5.1.10. Type Haseloff 6
 - 2.5.1.11. Type Haseloff 7a
 - 2.5.1.12. Type Haseloff 7b
 - 2.5.1.13. Unique type
 - 2.5.1.14. Type with complex double cross with central circle
 - 2.5.1.15. Type with quintuplet cross
 - 2.5.1.16. Type Haseloff 6/7a
 - 2.5.1.17. Type noughts-and-crosses
 - 2.5.1.18. Type Haseloff 9 and variant Haseloff 9
 - 2.5.1.19. Unique type in *Grubenschmelz* technique
 - 2.5.1.20. Type variant Haseloff 10
 - 2.5.1.21. Type Haseloff 4
 - 2.5.1.22. Type Haseloff 5
 - 2.5.1.23. Type cross with double dots
 - 2.5.1.24. Type variant cross with double dots
 - 2.5.1.25. Type five-dotted cross
 - 2.5.1.26. Type Haseloff 10
 - 2.5.1.27. Type quatrefoil
 - 2.5.1.28. Unique type
 - 2.5.1.29. Unique type (flower-shaped)
 - 2.5.1.30. Type reversed Haseloff 11
 - 2.5.1.31. Type reversed Haseloff 11 with engraved rim
 - 2.5.1.32. Type with an ypsilon cross
- 2.5.2. *Subgroup of champlévé brooches*
 - 2.5.2.1. Type with simple cross and plain rim
 - 2.5.2.2. Type with simple cross and engraved rim
 - 2.5.2.3. Type with simple cross and four dimples
 - 2.5.2.4. The same type with an engraved rim
 - 2.5.2.5. Type with flower shape and simple cross
 - 2.5.2.6. Type with seven-petalled flower, simple cross and four dimples
 - 2.5.2.7. The same type, eight-petalled
- 2.5.3. *Subgroup of miscellaneous types in copper alloys*

- 2.5.3.1. Type with cross and four dots
- 2.5.3.2. Type with cross and five dots
- 2.5.3.3. Type with cross and four kidney-shaped motifs
- 2.5.3.4. Type with a cross formed by four kidney-shaped cells
- 2.5.3.5. Type with an ypsilon cross formed by three kidney-shaped motifs
- 2.5.3.6. Type with a cross formed by raised blocks
- 2.5.3.7. Type early precursor
- 2.5.3.8. Type with five cabled cells
- 2.5.3.9. Unique type with eight spokes and felloe
- 2.5.3.10. Type with engraved Maltese cross
- 2.5.3.11. Unique type
- 2.5.3.12. Unique type
- 2.5.3.13. Unique type
- 2.5.3.14. Unique type
- 2.5.3.15. Unique type

2.5.4. *Subgroup of miscellaneous types in lead and/or pewter*
(one found also in bronze)

- 2.5.4.1. Unique type
- 2.5.4.2. Unique type
- 2.5.4.3. Type with a cross in openwork
- 2.5.4.4. Unique type *Buckelfibel*
- 2.5.4.5. Unique type
- 2.5.4.6. Unique type
- 2.5.4.7. Unique type
- 2.5.4.8. Unique type
- 2.5.4.9. Unique type

2.6. Group of pseudo-coin brooches

- 2.6.1. Type with empty centre
- 2.6.2. *Subgroup with a plain, uneven centre*
 - 2.6.2.1. Type with a single beaded rim
 - 2.6.2.2. Type with a double beaded rim
 - 2.6.2.3. Type with a triple beaded rim
- 2.6.3. *Subgroup of fragments and corroded/worn brooches*
 - 2.6.3.1. Type unidentified
 - 2.6.3.2. Type with a single beaded rim
 - 2.6.3.3. Type with a multiple beaded rim
- 2.6.4. *Subgroup of abstracted busts*
 - 2.6.4.1. Type with a convex centre with marks representing a crown, hair or helmet. Single beaded rim
 - 2.6.4.2. The same type with multiple beaded rim
 - 2.6.4.3. Type with “hair and bust.” Single beaded or plain rim
 - 2.6.4.4. Type with “hair and bust”, and multiple beaded rim

- 2.6.4.5. Type with degenerated set of scratches
- 2.6.5. *Subgroup with head or bust but no (pseudo) legend or rim ornamentation*

- 2.6.5.1. Type Louis the Pious
- 2.6.5.2. The same type with single beaded rim
- 2.6.5.3. The same type with multiple beaded rim
- 2.6.5.4. Unique type
- 2.6.5.5. Unique type
- 2.6.5.6. Type with “helmeted” bust, including one forgery
- 2.6.6. *Subgroup of types with legends or pseudo-legends*
 - 2.6.6.1. Types with single beaded or plain rim
 - 2.6.6.2. Types with multiple beaded or plain rim
- 2.6.7. *Subgroup of affiliated disc brooches*
 - 2.6.7.1. Unique type with cartwheel and multiple beaded rim
 - 2.6.7.2. Unique type with a Jerusalem cross and multiple beaded rim
 - 2.6.7.3. Unique type with central “star” (created by a zigzag line around plain centre) and multiple beaded rim
- 2.6.8. Pseudo-coin in a true setting

2.7. Group with human or animal figures

- 2.7.1. *Subgroup of Heiligenfibeln*
 - 2.7.1.1. Type *Heiligenfibeln* in *Zellenschmelz*
 - 2.7.1.2. Frick type 2, version 1
 - 2.7.1.3. The same type, with additions
 - 2.7.1.4. Simple “Frisian” type
 - 2.7.1.5. The same type, with a pallium dot
 - 2.7.1.6. Same type as 2.7.1.4, but without a torso/pallium
 - 2.7.1.7. Unique type with a base line
 - 2.7.1.8. Type with a three-armed cross
 - 2.7.1.9. *Heiligenfibeln*, type unidentifiable
- 2.7.2. *Subgroup with other human figures*
 - 2.7.2.1. Type with staff-bearing saint
 - 2.7.2.2. Type with probably a head of Christ
 - 2.7.2.3. Type with half-length in attitude of benediction
 - 2.7.2.4. Type with spread-eagled figure
 - 2.7.2.5. Type with running figure
 - 2.7.2.6. Type with horseman
- 2.7.3. *Subgroup with animal figures on Emailscheibenfibeln*
 - 2.7.3.1. Type with quadruped looking back
 - 2.7.3.2. Type with unidentifiable figure
 - 2.7.3.3. Type with unidentifiable figure
- 2.7.4. *Subgroup with other animal figures, not enamelled*
 - 2.7.4.1. Type with bird

- 2.7.4.2. Type with *Agnus Dei*
- 2.7.4.3. Type with *Agnus Dei* looking back (pseudo-coin brooch)
- 2.7.4.4. Type with lion and prey
- 2.7.4.5. Type with quadruped/*Agnus Dei* and staff in openwork
- 2.7.4.6. Type not available for study (with long-tailed animal)

2.8. Disc brooches of unidentifiable types

2.9. Group of rectangular “disc” (plate) brooches

- 2.9.1. *Rectangular and square brooches without lobes*
 - 2.9.1.1. Type with crisscross diagonals
 - 2.9.1.2. Type with “window-frame”
 - 2.9.1.3. The same type with enamelled “window panes”
 - 2.9.1.4. Type with miniature “window-frame”
 - 2.9.1.5. Type with central circle
 - 2.9.1.6. Type with two cells
 - 2.9.1.7. Type with diagonal Maltese cross
 - 2.9.1.8. Type with diagonal cross and dots in *Grubenschmelz* technique
 - 2.9.1.9. Type with complex cross and dots
 - 2.9.1.10. Type with scratched lines
 - 2.9.1.11. Type with a champlévé cross
 - 2.9.1.12. Type with champlévé a cast cross
- 2.9.2. *Subgroup with constricted sides*
 - 2.9.2.1. Type with three pairs of circle-and-dots
 - 2.9.2.2. Type with a plain centre-field
 - 2.9.2.3. Type with four cells
- 2.9.3. *Subgroup with lobed corners*
 - 2.9.3.1. Type with three bars in *Grubenschmelz* technique
 - 2.9.3.2. Type enamelled, with four cells and a dot
 - 2.9.3.3. Type with six enamelled fields
- 2.9.4. Type enamelled, with a baroque rim
- 2.9.5. *Subgroup with a round basic shape and lobes*
 - 2.9.5.1. Type with three cells
 - 2.9.5.2. Type with a cross

2.10. Group of crescent-shaped “disc” brooches

- 2.10.1. Unique type
- 2.10.2. Unique type
- 2.10.3. Unique type
- 2.10.4. Unique type
- 2.10.5. Unique type
- 2.10.6. Unique type

2.11. Group of cross-shaped disc brooches

- 2.11.1. Type with bilobed arms
- 2.11.2. Type with square centre-field and budded terminals
- 2.11.3. Type with oval-armed cross
- 2.11.4. Type with raised blocks

- 2.11.5. Unique type
- 2.11.6. Unique type with trefoil terminals
- 2.11.7. Type with double-globule terminals
- 2.11.8. Unique type with splayed arms
- 2.11.9. Unique type
- 2.11.10. Unique type
- 2.11.11. Unique type
- 2.11.12. Unique type

2.12. Miscellaneous

- 2.12.1. Unique type kidney-shaped
- 2.12.2. Unique type
- 2.12.3. Unique type, eight-petalled flower with enamelling

3. CATALOGUE

2.1. *Group of disc brooches with circle-and-dot(s) or concentric circles*

The ornaments of this group might be called circle-and-dots, although in fact some represent two concentric circles. The circle-and-dot motif was very popular in Friesland right into postmedieval times, as is also illustrated by the ornamentation of many of the bone and antler objects collected (*e.g.* Roes, 1963).

2.1.1. *Subgroup of early brooches with true circle-and-dots*

“Early”, in the dating of this subgroup, means Merovingian. A help in recognizing early disc brooches is the difference in the placing of the hinge attachment and the catchplate. On the earlier disc brooches these are placed parallel to the pin, whereas on the later types they are placed at right angles to the pin.

2.1.1.1. *Type divided into sectors*

OOSTERGO

175. Goutum (Leeuwarden)

Techum
diam. 25 mm
Coll. FM-16C-1

2.1.1.2. *Type with a cross*

Since the application of circle-and-dots, and the form of the attachment mechanism, determines the dating, this type is presented here rather than in one of the later groups displaying one or more crosses.

WESTERGO

176. Schalsum (Franekeradeel)

diam. 23 mm

Coll. Zijlstra, 464

Zijlstra, 1993: No. 70

2.1.1.3. *Type with a ring of circle-and-dots*

WIJNALDUM (HARLINGEN)

177.

5 G 71 west

diam. 27.5 mm

Coll. Zijlstra (FM), 48

Zijlstra, 1990: No. 14A

2.1.1.4. *Type unknown*

Fragment. Shape and decoration not reconstructible; only one circle-and-dot can be seen.

WESTERGO

178. Dongjum (Franekeradeel)

5 G 65

Coll. P. van Dijk

2.1.2. *Subgroup of later brooches with concentric circles*2.1.2.1. *Type Nabenemailscheibenfibeln*

One of the most common and the smallest kind of round disc brooches, consisting of two cast, concentric rings (alternatively interpretable as a circle-and-dot). The disc is made of bronze or some other copper alloy, filled in or rather painted with a light coloured enamel or paste. None of the Frisian specimens were found in a datable context; the excavated examples were found in the ploughed topsoil. Frick (1992/93: fig. 12-1) describes this type under the heading of "Nabenemailscheibenfibeln". This type was used in the General Introduction (Bos, 2003–2004a: 448) to illustrate the necessity of including in the publication of the Wijnaldum finds all Frisian brooches known at the time. It can also be used to illustrate the lack of consensus where dates are concerned: Frick arrives at a general dating in the 10th and 11th centuries AD (307), whereas Wamers (1994: 594) places it in the 9th century. As at Wijnaldum the features underlying the topsoil in which the excavation examples were found could be dated between 800 and 900, Wamers' dating

seems preferable. The Frisian examples in the present study are fairly uniform; Frick's examples range from 12 to 23 mm in diameter, whereas ours range from 9 to 13 mm with a peak at 11 mm. Zijlstra (2003) has suggested that these were possibly children's or toy brooches; this may well be true, but we might also think of folklore, or a use as part of something akin to a row of buttons.

W '91-'93

179. Topsoil

diam. 11 mm

Coll. W '91-10

180. Topsoil

diam. 9 mm

Coll. W '91-13

WIJNALDUM (HARLINGEN)

181.

5 G 71

diam. 11.5 mm

Coll. RAAP FB 5 G 71 A AKM 2, No. 6

182.

5 G 71

diam. 11 mm

Coll. RAAP FB 5 G 71 B AKM 1, No. 2

183.

5 G 71

diam. 11 mm

Coll. RAAP FB 5 G 71 B AKM 2, No. 8

184.

5 G 71

diam. 11 mm

Coll. RAAP FB 5 G 71 B AKM 1, No. 1

185.

5 G 72

diam. 11 mm

Coll. RAAP FB 5 G 72 I AKM 1, No. 3

186.

diam. 11 mm

Coll. Zijlstra (FM)

187. 5 G 71

diam. 11 mm

Coll. Zijlstra (FM)

188.

diam. 11 mm
Coll. Zijlstra (FM)

189.

5 G 71
diam. 11 mm
Coll. Zijlstra (FM)

190.

5 G 71 east
diam. 11.5 mm
Coll. Zijlstra (FM), 825

191.

5 G 72
diam. 11 mm
Coll. Zijlstra (FM), 367

192.

5 G 69
diam. 11 mm
Private collection

193.

diam. 11 mm
Coll. Zijlstra (FM)
Zijlstra, 1991: No. 54

OTHER FINDS FROM WESTERGO

194. Minnerstga (Het Bildt)

5 G 28
diam. 10.5 mm
Coll. Zijlstra (FM), 327

195. Minnertsga (Het Bildt)

168.30/584.70
diam. 10.5 mm
Coll. Okel

196. Minnertsga (Het Bildt)

diam. 11 mm
Coll. Zijlstra (FM)

197. Minnertsga (Het Bildt)

diam. 12 mm
Coll. Zijlstra (FM)

198. Minnertsga (Het Bildt)

diam. 11.5 mm
Coll. Zijlstra (FM)

199. Minnertsga (Het Bildt)

diam. 11 mm
Coll. Zijlstra (FM)

200. Minnertsga (Het Bildt)

diam. 11 mm
Coll. Hasselt, 9302

201. Minnertsga (Het Bildt)

diam. 11 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 104

202. Achlum (Franekeradeel)

diam. 11.5 mm
Coll. Harmsma

203. Dongjum (Franekeradeel)

diam. 11 mm
Coll. Zijlstra (FM), 33

204. Dongjum (Franekeradeel)

diam. 11.5 mm
Coll. Zijlstra (FM)

205. Dongjum (Franekeradeel)

diam. 11.5 mm
Coll. Zijlstra (FM)

206. Franeker (Franekeradeel)

diam. 11 mm
Coll. Boonstra

207. Franeker (Franekeradeel)

diam. 11 mm
Coll. K. Henstra

208. (Franekeradeel)

diam. 11 mm
Coll. J. Henstra

209. (Franekeradeel)

diam. 11 mm
Coll. J. Henstra

210. (Franekeradeel)

diam. 11 mm
Coll. J. Henstra

211. Herbayum (Franekeradeel)

Hofstra
diam. 11 mm
Coll. Harmsma

212. Oosterbierum (Franekeradeel)
diam. 11 mm
Coll. Hasselt, 9272

213. Oosterbierum (Franekeradeel)
diam. 12 mm
Coll. Hasselt, 9300

214. Oosterbierum (Franekeradeel)
5 G 38
diam. 11 mm
Coll. Zijlstra (FM), 502

215. Oosterbierum (Franekeradeel)
diam. 11 mm
Coll. Zijlstra (FM)

216. Oosterbierum (Franekeradeel)
diam. 12 mm
Coll. Zijlstra (FM), 22

217. Oosterbierum (Franekeradeel)
5 G 38
diam. 11 mm
Coll. Zijlstra (FM), 21

218. Pietersbierum (Franekeradeel)
diam. 11.5 mm
Coll. Hasselt, 9314

219. Ried (Franekeradeel)
5 G 169.43/582.47
diam. 11 mm
Coll. Sloots, 0030

220. Ried (Franekeradeel)
5 G 167.95/581.48
diam. 11.5 mm
Coll. Sloots, 0023

221. Ried (Franekeradeel)
5 G 169.10/582.20
diam. 11 mm
Coll. Sloots, 0038

222. Tzum (Franekeradeel)
diam. 12.5 mm
Coll. Hasselt, 9280

223. Tzummarum (Franekeradeel)
diam. 11 mm
Coll. Zijlstra (FM)

224. Tzummarum (Franekeradeel)
diam. 11 mm
Coll. Zijlstra (FM)

225. Tzummarum (Franekeradeel)
diam. 11 mm
Coll. Boonstra, 78

226. Almenum (Harlingen)
diam. 11 mm
Coll. Zijlstra (FM), 807

227. Almenum (Harlingen)
diam. 11 mm
Coll. Zijlstra (FM), 805

228. Almenum (Harlingen)
diam. 11.5 mm
Coll. Zijlstra (FM), 806

229. Midlum (Harlingen)
diam. 12.5 mm
Coll. Hasselt, 9303

230. Baijum (Littenseradiel)
5 H 60
diam. 11 mm
Coll. Zijlstra (FM), 390

231. Baijum (Littenseradiel)
5 H 60
diam. 12 mm
Coll. Zijlstra (FM), 387

232. Welsrijp (Littenseradiel)
168.72/575.32
diam. 11 mm
Coll. Okel

233. Berlikum (Menaldumadeel)
5 H 7
diam. 11 mm
Coll. P. van Dijk

234. Berlikum (Menaldumadeel)
diam. 11 mm
Coll. Zijlstra (FM), 653

235. Dronrijp (Menaldumadeel)
diam. 11 mm
Coll. Zijlstra (FM)

236. Dronrijp (Menaldumadeel)
5 H 65
diam. 11.5 mm
Coll. Zijlstra (FM), 313

237. Dronrijp (Menaldumadeel)
5 H 36
diam. 11 mm
Coll. G. van Dijk

238. Dronrijp (Menaldumadeel)
diam. 10 mm
Coll. Zijlstra (FM)

239. Dronrijp (Menaldumadeel)
5 H 65bis
diam. 11.5 mm
Coll. Zijlstra (FM), 617

240. Dronrijp (Menaldumadeel)
diam. 11 mm
Coll. Zijlstra (FM)

241. Menaldum (Menaldumadeel)
diam. 11 mm
Coll. Zijlstra (FM)

242. Slappeterp (Menaldumadeel)
diam. 12 mm
Coll. J. Henstra

243. Arum (Wonseradeel)
diam. 13 mm
proportionally large "dot"
Coll. Haak

244. Arum (Wonseradeel)
incomplete
diam. 10 mm
Coll. Haak

245. Arum-Kimswerd (Wonseradeel)
diam. 11 mm
Coll. Halff

246. Arum-Kimswerd (Wonseradeel)
diam. 10.5 mm
Coll. Halff

247. Arum or Pingjum (Wonseradeel)
diam. 11.5 mm
Coll. Haak

248. Kimswerd (Wonseradeel)
diam. 11 mm
Coll. Boonstra

249. Pingjum (Wonseradeel)
diam. 10.5 mm
Coll. Haak

250. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Boonstra

251. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Boonstra

252. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Boonstra

253. Pingjum (Wonseradeel)
diam. 10.5 mm
Coll. Boonstra

254. Pingjum (Wonseradeel)
diam. 11.5 mm
Coll. Boonstra

255. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM), 554

256. Pingjum area (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM), 191

257. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM), 554

258. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM), 161

259. Pingjum area (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM), 192

260. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM)

261. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM)

262. Pingjum area (Wonseradeel)
diam. 11.5 mm
Coll. Niemarkt, 13

263. Pingjum area (Wonseradeel)
diam. 11.5 mm
Coll. Niemarkt, 7

264. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM)

265. Pingjum (Wonseradeel)
diam. 11 mm
Coll. Zijlstra (FM)

266. Pingjum (Wonseradeel)
diam. 12 mm
Coll. Zijlstra (FM)

267. Pingjum (Wonseradeel)
diam. 11.5 mm
Coll. Zijlstra (FM)

268. Northwestern Friesland
diam. 11.8 mm
Coll. Hasselt, 9311

269. Northwestern Friesland
diam. 11 mm
Coll. Hasselt, 9260

270. Northwestern Friesland
diam. 11 mm
Coll. Hasselt, 9250

271. Northwestern Friesland
diam. 11 mm
Coll. Hasselt, 9271

272. Northwestern Friesland
diam. 10 mm
Coll. Hasselt, 9259

OOSTERGO

273. Wetzens area (Dongeradeel)
diam. 11.5 mm
Coll. FM 1987-II-1

274. Blija (Ferwerderadeel)
diam. 11.5 mm
Coll. Haak

275. Hallum (Ferwerderadeel)
diam. 11 mm
Coll. Zijlstra (FM)

276. Hogebeintum (Ferwerderadeel)
diam. 12 mm
Coll. Bloem

277. Northeastern Friesland
diam. 11 mm
Coll. Zijlstra (FM), 340

FRIESLAND

278.
diam. 11.5 mm
Coll. Zijlstra (FM)

279.
diam. 11 mm
Coll. Zijlstra (FM), 340

2.1.2.2. *Type with a central circle-and-dot and a cabled rim*

WESTERGO

280. Minnertsga (Het Bildt)
diam. 18 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 103

281. Tzummarum (Franekeradeel)
diam. 18 mm
Coll. Zijlstra (FM)

2.1.2.3. *Type with ragged concentric circles*

WESTERGO

282. Tzummarum (Franekeradeel)
diam. 18 mm
Coll. G. van Dijk

OOSTERGO

283. Anjum (Dongeradeel)
diam. 18 mm
Coll. Zijlstra (FM), 123
Zijlstra, 1993: No. 102

2.1.2.4. *Type resembling a draughtsman*

It is not certain that we are indeed dealing with a brooch. This interpretation has been favoured because of the traces of oxidized iron at the back, which may be the remains of a pin.

WESTERGO

284. Tzummarum (Franekeradeel)
min. diam. 29 mm
Coll. Boonstra

2.1.2.5. *Type with rosette shape*

The rosette is formed by six circle-and-dots around a central one. Variations are mostly to be found in the central circle-and-dot: it may be the same as the surrounding ones, or raised and/or hexagonal. In one instance the circle-and-dots have an extra circle. The “dots” of the circle-and-dots sometimes have the shape of a saucer. Variations are mentioned in the individual descriptions in this catalogue. Here we do not conform to Frick’s typology (1992/93), in which these brooches are included in the section on brooches with a central cloison (Frick, 1992/93: figs 16-35). None of the Frisian examples are enamelled or have a cloison filled with glass paste and, judging from the illustration, neither have Frick’s. Frick (1992/93: 326) gives a tentative dating in the 11th century; for Friesland a general dating in the 9th-10th centuries is preferred, but it is recognized that maybe these brooches were still being worn in the 11th, and even 12th centuries, as is true for many of the types yet to follow. From Friesland no additional archaeological evidence is known.

WIJNALDUM (HARLINGEN)

285. Simple circle-and-dot in the middle
diam. over 20 mm
Coll. Zijlstra (FM)

286. Slightly raised hexagon-and-dot in the middle
diam. 24 mm
Coll. Zijlstra (FM)

287. Slightly raised hexagon-and-dot in the middle
diam. 23 mm
Coll. Hasselt, 9281

OTHER FINDS FROM WESTERGO

288. Minnertsga (Het Bildt)
raised circle-and-dot in the middle
diam. 24 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 93

289. Minnertsga (Het Bildt)
raised circle-and-dot in the middle
diam. ca. 23 mm
Private collection

290. Achlum (Franekeradeel)
raised circle-and-dot in the middle
diam. 22 mm
Coll. Harmsma

291. Dongjum (Franekeradeel)
the circle-and-dots have an extra circle
incomplete
diam. over 20 mm
Coll. Boonstra

292. Pieterbierum (Franekeradeel)
slightly raised hexagon-and-dot in the middle
diam. 23 mm
Coll. Zijlstra (FM), 722

293. Hatsum (Menaldumadeel)
simple circle-and-dot in the middle
diam. 25 mm
Coll. Harmsma

294. Slappeterp (Menaldumadeel)
slightly raised hexagon-and-dot in the middle
diam. 24 mm
Coll. J. Henstra

295. Pingjum (Wonseradeel)
Riegeterp
slightly raised hexagon-and-dot in the middle
diam. 24.5 mm
Coll. Zijlstra (FM), 678

296. Northwestern Friesland
raised simple circle-and-dot in the middle
diam. 22 mm
Coll. Hasselt, 9308

OOSTERGO

297. Paesens/Moddergat (Dongeradeel)

simple circle-and-dot in the middle

Incomplete

min. diam. 21.5 mm

Coll. Haak

298. Stiens (Leeuwarderadeel)

slightly raised hexagon-and-dot in the middle

diam. 22 mm

Coll. Zijlstra (FM)

2.1.2.6. *The same type, but three-dimensional*

The “dots” of the central motif and the nine motifs surrounding it protrude. These are not circle-and-dots proper, but the brooch as a whole is suggestive of them. This appears to be a later development. The brooch is made of a lead-tin alloy. General dating: 10th-12th centuries AD.

WESTERGO

299. Bolsward (Bolsward)

Fugelkrite

diam. 21 mm

Coll. A. de Boer

2.2. *Group with a convex central boss*

This group does not conform to the class of *Buckelfibeln* used in the German literature (cf. Frick, 1992/93: 320ff.). Such *Buckelfibeln* may be found in this group, but also in other subgroups, depending on the main scheme of the decoration.

2.2.1. *Type shaped like a smooth boss*

WESTERGO

300. Oosterbierum (Franekeradeel)

secondary scratches form a square

diam. 21.5 mm

Coll. Suierveld

301. Cancelled**302. Franekeradeel**

diam. 16 mm

Coll. J. Henstra

303. Pingjum (Wonseradeel)

diam. 16 mm

Coll. Boonstra

304. Northwestern Friesland

diam. 16 mm

Coll. Harmsma

305. Northwestern Friesland

diam. 16 mm

Coll. Harmsma

FRIESLAND

306. Temporarily unavailable

Coll. Zijlstra

Zijlstra, 1993: No. 105

2.2.2. *Type like a boss with a nipple*

WESTERGO

307. Minnertsga (Het Bildt)

diam. 15 mm

Coll. Zijlstra (FM)

308. Pingjum (Wonseradeel)

diam. 16 mm

Coll. Boonstra

2.2.3. *Type Buckelfibeln*

Smooth boss rising from a rouletted rim, the back of which bears a lattice motif. The back of the boss is concave. Made of a lead-tin alloy, in which tin predominates. The type represents Frick's *Buckelfibeln*, Type 1, which he dates to the 10th-11th centuries (Frick, 1992/93: 322). It is interesting to note that this type is found mainly in Germany and southern Sweden, that the only Dutch example published by Frick had been found in the Dutch province of Groningen, i.e. between Oostergo and Germany, and that the two Frisian specimens presented here were both found in Oostergo. One would expect to find examples among the abundant material from Westergo. The small number of finds does not allow any conclusions, but it does make one think about trade routes and spheres of influence.

OOSTERGO

309. Wetzens (Dongeradeel)

diam. 23 mm

Coll. Haak

310. Leeuwarden (Leeuwarden)

diam. 23 mm

Coll. J. Henstra

2.2.4. *Type with a notched rim*

Type with a high boss, surrounded by an applied ring and an applied notched rim. The type gives the impression of belonging to an early generation of disc brooches.

WESTERGO

311. Ried (Franekeradeel)

5 G 169.10/582.15

diam. 22 mm

Coll. Sloots, 0015

2.3. *Group with a central cloison*

A group of disc brooches whose decorative scheme is dominated by a single central cloison, but shows a variety of forms. These fall into two main groups: types with wheel-like designs, and flower- or star-shaped ones. All known examples but one are made of bronze or some other copper alloy, with an iron pin; the cloison was mostly filled and tipped with a glass paste of indistinct colour. This paste may now be missing, hinting that brooches like 357, with a piece of clear glass, may originally have been more abundant. Only one of the brooches was made of a lead-pewter alloy. Frick (1992/93) does not seem to be too strict in defining this group, since he includes types like 2.1.2.5 in the present catalogue, which definitely lacks a central glass or enamel inlay. This group can be dated to the 9th and 10th centuries, while there are indications that they were still in use in the 11th and even 12th century.

2.3.1. *Subgroup with hupcap-like designs*

The brooches in this subgroup are all round, with either dimples or holes around the cloison, which may be separated by radial spokes.

2.3.1.1. *Type with six holes*

Most examples have a cable rim. The ten finds listed by Frick (1992/93: 402–403) come from a large area: two from Denmark, one from Haithabu, four from Westenschouwen in the Netherlands, one from Trier and two from the present study area. These two Frisian finds are now joined by forty-eight others (although many more were discovered since this catalogue clo-

sed; see the Introduction to the present publication, and Bos, 2005–2006a. This is of course true for many types presented here).

WIJNALDUM (HARLINGEN)

312.

diam. 19.5 mm

Coll. Harmsma

313.

diam. 18 mm

Coll. Zijlstra (FM)

Zijlstra, 1991: No. 56

314.

diam. 19 mm

Coll. Zijlstra (FM)

315.

5 G 71

Tjitsma

diam. 16.5 mm

Coll. RAAP FB 5 G 71 A AKM 6, No. 9

316.

5 G 69

diam. 19 mm

Private collection

317.

diam. 19 mm

Coll. Hasselt, 9317

OTHER FINDS FROM WESTERGO

318. Minnertsga (Het Bildt)

diam. 17 mm

Coll. Zijlstra (FM)

319. Minnertsga (Het Bildt)

diam. 18 mm

Coll. Zijlstra

Zijlstra, 1993: No. 99

320. Minnertsga (Het Bildt)

5 G 28

a hole can be observed in the now empty cloison, but it is not clear whether this was made intentionally.

diam. 18.5 mm

Coll. P. van Dijk

321. Boer (Franekeradeel)
167.10/581.05
diam. 17 mm
Coll. Okel

322. Dongjum (Franekeradeel)
diam. 18 mm
Coll. Zijlstra (FM)

323. Dongjum (Franekeradeel)
diam. 18 mm
Coll. Zijlstra (FM)

324. Herbayum (Franekeradeel)
diam. 30 mm
Coll. Harmsma

325. Hitzum (Franekeradeel)
diam. 20 mm
Coll. Hasselt, 9309

326. Lutjelollum (Franekeradeel)
Sinnema
diam. 17 mm
Coll. FM 1987-X-7

327. Ludingakerk (Franekeradeel)
diam. 19 mm
Coll. Harmsma

328. Ludingakerk (Franekeradeel)
diam. 18.5 mm
Coll. Harmsma

329. Oosterbierum (Franekeradeel)
diam. 19 mm
Coll. Zijlstra (FM)

330. Oosterbierum (Franekeradeel)
diam. 19.5 mm
Coll. Zijlstra (FM)

331. Peins (Franekeradeel)
with a scratched rim
diam. 22.5 mm
Coll. G. van Dijk

332. Tzum (Franekeradeel)
5 G 35
diam. 19 mm
Coll. Zijlstra (FM)

333. Tzummarum (Franekeradeel)
167.80/584.32
diam. 18 mm
Coll. Okel

334. Harlingen area (Harlingen)
diam. 19 mm
Coll. Zijlstra (FM)

335. Midlum (Harlingen)
diam. 17 mm
Coll. Boonstra, 111

336. Midlum (Harlingen)
diam. 19 mm
Coll. Hasselt, 9289

337. Berlikum (Menaldumadeel)
diam. 19 mm
Coll. Zijlstra (FM), 792

338. Berlikum (Menaldumadeel)
diam. 20 mm
Private collection

339. Dronrijp (Menaldumadeel)
5 H 65bis
diam. 18.5 mm
Coll. Zijlstra (FM), 619

340. Dronrijp (Menaldumadeel)
Schatzenburg
diam. 17 mm
Coll. Galama

341. Slappeterp (Menaldumadeel)
diam. 20 mm
Coll. Zijlstra (FM)

342. Slappeterp (Menaldumadeel)
diam. 18 mm
Coll. Hasselt, 9343

343. Arum (Wonseradeel)
diam. 19 mm
Coll. Haak

344. Arum-Kimswerd (Wonseradeel)
diam. 17 mm
Coll. Halff

345. Pingjum (Wonseradeel)
fragment
diam. over 17 mm
Coll. Boonstra

346. Pingjum (Wonseradeel)
10 B 22-23
diam. 18.5 mm
Coll. Zijlstra (FM), 744

347. Pingjum (Wonseradeel)
10 B 23
diam. 17 mm
Coll. Zijlstra (FM)

348. Pingjum area (Wonseradeel)
diam. 18 mm
Coll. Zijlstra (FM), 186

349. Pingjum area (Wonseradeel)
diam. 18.5 mm
Coll. Zijlstra (FM), 160

350. Pingjum (Wonseradeel)
Riegeterpen
diam. 18 mm
Coll. Zijlstra (FM), 66

351. Pingjum (Wonseradeel)
diam. 20 mm
Coll. Zijlstra (FM)

352. Northwestern Friesland
diam. 19 mm
Coll. Hasselt, 9351

353. Northwestern Friesland
diam. 20 mm
Coll. Hasselt, 9253

OOSTERGO

354. Anjum (Dongeradeel)
with holes or enamelled dimples?
diam. 19 mm
Coll. S. de Boer

355. Holwerd (Dongeradeel)
diam. 20 mm
Coll. S. de Boer

356. Holwerd (Dongeradeel)
diam. 18 mm
Coll. S. de Boer

357. From redeposited *terp* soil in the Bergum area (Tietjerksteradeel)
diam. 19 mm
cloison filled with clear green glass
Coll. Van der Meer, 93-10

358. Hogebeintum (Ferwerderadeel)
diam. 19 mm
Coll. Bloem

FRIESLAND

359.
diam. 18.5 mm
Coll. Zijlstra (FM), 434

360.
diam. 18 mm
file not available
Coll. FM 1988-III-17/23

361.
diam. 20.5 mm
Coll. Zijlstra (FM), 433

2.3.1.2. *Type with eight holes*

WESTERGO

362. Northwestern Friesland
diam. 19 mm
Coll. Zijlstra (FM), 339

2.3.1.3. *Type with six alternating holes and dimples, and spokes*

WESTERGO

363. Minnertsga (Het Bildt)
diam. 22.5 mm
Coll. Hasselt, 9344

2.3.1.4. *Type with five dimples and spokes*

OOSTERGO

364. Oosterbeintum (Ferwerderadeel)
diam. 25 mm
Coll. Zijlstra (FM), 596

2.3.1.5. *Type with eight dimples and spokes*

WESTERGO

365. Boer (Franekeradeel)

167.10/581.05

identification not certain

fragment, slightly smaller than No. 366

Coll. Okel

366. Herbayum (Franekeradeel)

Hofstra

diam. 28 mm

Coll. Harmsma

2.3.1.6. *Type with four dimples and a scratched cross in a circle*

WESTERGO

367. Ried (Franekeradeel)

diam. 22 mm

Coll. Zijlstra (FM)

2.3.1.7. *Type with five dimples within a scratched circle*

WESTERGO

368. Sexbierum (Franekeradeel)

diam. 22 mm

Coll. S. de Vries

369. Pingjum (Wonseradeel)

10 B 23

six dimples, but two overlap

diam. 22 mm

Coll. Zijlstra (FM)

370. Pingjum area (Wonseradeel)

diam. 22 mm

Coll. Zijlstra (FM), 517

2.3.1.8. *Type with seven or eight dimples within a circle*

WESTERGO

371. Minnertsga (Het Bildt)

5 G 28

diam. 22 mm

Coll. Zijlstra (FM), 334

372. Franekeradeel

corroded, incomplete

diam. ca. 19 mm

Coll. J. Henstra

373. Midlum (Harlingen)

diam. 21 mm

Coll. Hasselt, 9318

2.3.1.9. *Type with seven dimples within a scratched circle*

WESTERGO

374. Slappeterp (Menaldumadeel)

5 H 12

diam. 20 mm

Coll. Zijlstra (FM), 263

375. Sneek area (Sneek)

diam. 22 mm

Coll. Niemarkt, 9

2.3.2. *Subgroup with a flower or star shape*

The “flowers” and “stars” are groups that tend to merge: the points of the star may become slightly rounded, the flowers’ petals pointed. The main difference between the groups is that the points of the stars are pronounced, whereas the petals of the flowers are flat and each provided with a dimple. Both may come in more or less compact forms. Frick’s catalogue of these types unfortunately includes the present type 2.1.2.5 (Frick, 1992/93: 401–403).

2.3.2.1. *Type of six-petalled flower*

One example has holes instead of dimples, but this may be due to corrosion.

WESTERGO

376. Firdgum (Franekeradeel)

165.97/584.45

cloison or pseudo-cloison?

diam. 16.5 mm

Coll. Okel

377. Herbayum (Franekeradeel)

diam. 18 mm

Coll. Harmsma

378. Ludingakerk (Franekeradeel)

diam. 18.5 mm

Coll. Harmsma

379. Franekeradeel

diam. 18 mm

Coll. J. Henstra

380. Berlikum (Menaldumadeel)

diam. 19 mm

Coll. Zijlstra (FM), 702

381. Berlikum (Menaldumadeel)

diam. 19 mm

Coll. Zijlstra (FM), 655

382. Slappeterp (Menaldumadeel)

diam. 19 mm

The same as the rest, but with holes instead of dimples; it is hard to tell whether this is intentional or due to corrosion.

Coll. J. Henstra

383. Pingjum (Wonseradeel)

Rigeterpen

the dimples are uncharacteristically small.

diam. 17.5 mm

Coll. Zijlstra (FM), 357

384. Pingjum (Wonseradeel)

diam. 18 mm

Coll. Zijlstra

Zijlstra, 1993: No. 101

385. Pingjum (Wonseradeel)

diam. 20 mm

Coll. Halff

386. Pingjum (Wonseradeel)

diam. 20 mm

Coll. Boonstra

387. Pingjum (Wonseradeel)

diam. 18–21 mm

Coll. Harmsma

388. Pingjum area (Wonseradeel)

diam. 18 mm

Coll. Zijlstra (FM), 194

OOSTERGO

389. Ferwerd (Ferwerderadeel)

diam. 18 mm

Coll. S. de Boer

2.3.2.2. *Type of seven-petalled flower*

WESTERGO

390. Arum or Pingjum (Wonseradeel)

diam. 18 mm

Coll. Haak

2.3.2.3. *Type of nine-petalled flower*

WESTERGO

391. Slappeterp (Menaldumadeel)

5 G 96

corroded; dimples not visible

diam. 16.5 mm

Coll. P. van Dijk

OOSTERGO

392. Ee (Dongeradeel)

diam. 16 mm

Coll. Haak

2.3.2.4. *Type of six-pointed star*

WESTERGO

393. Minnertsga (Het Bildt)

diam. 18.5 mm

Coll. G. van Dijk

394. Tzummarum (Franekeradeel)

diam. 21 mm

Coll. Zijlstra (FM)

395. Kimsverd (Wonseradeel)

diam. 20 mm

Coll. Halff

OOSTERGO

396. Holwerd (Dongeradeel)

diam. 19 mm

Coll. S. de Boer

397. Holwerd (Dongeradeel)

diam. 19 mm

Coll. S. de Boer

398. Hogebeintum (Ferwerderadeel)

diam. 21 mm

Coll. Bloem

399. Oosterbeintum (Ferwerderadeel)

diam. 18 mm

Coll. Zijlstra (FM)

400. Leeuwarden (Leeuwarden)

diam. 21.5 mm

Coll. J. Henstra

2.3.2.5. *Type of seven-pointed star*

WIJNALDUM (HARLINGEN)

401.

5 G 70

diam. 13 mm

Coll. Zijlstra (FM), 373

OTHER FINDS FROM WESTERGO

402. Beetgum (Menaldumadeel)*terp* Besseburen

diam. 20 mm

Coll. temporarily BAI

403. Berlikum (Menaldumadeel)

diam. 21 mm

Coll. Zijlstra (FM)

404. A *terp* in Westergo

diam. 21 mm

Coll. A. de Boer

2.3.2.6. *Type of eight-pointed star*

One specimen (No. 417) is made of a lead-pewter alloy; in this one instance the cloison is relatively high and pronounced.

WIJNALDUM (HARLINGEN)

405.

5 G 70

diam. 21 mm

Coll. Zijlstra (FM), 206

406.

diam. 18 mm

Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

407. Minnertsga (Het Bildt)

diam. 22 mm

Coll. Hasselt, 9335

408. Boer (Franekeradeel)

diam. 23 mm

Coll. Zijlstra (FM)

409. Dongjum (Franekeradeel)

5 G 58

diam. 20.5 mm

Coll. RAAP FB 5 G 58 AKM 1

410. Dongjum (Franekeradeel)

diam. 20 mm

Coll. Zijlstra (FM)

Zijlstra, 1993: No. 100

411. Firdgum (Franekeradeel)

diam. 18 mm

Coll. Leistra

412. Franeker (Franekeradeel)

diam. 20 mm

Coll. Boonstra, 162

413. Ludingakerk (Franekeradeel)

diam. 20 mm

Coll. Harmsma

414. Lutjelollum (Franekeradeel)

Sinnema

diam. 18 mm

Coll. FM 1987-X-7

415. Oosterbierum (Franekeradeel)

diam. 21 mm

Coll. G. van Dijk

416. Ried (Franekeradeel)

5 G 51

diam. 21 mm

Coll. RAAP FB 5 G 51 AKM 1, No. 2

417. Tzummarum (Franekeradeel)

lead-tin alloy

diam. 16 mm

Coll. G. van Dijk

418. Tzummarum (Franekeradeel)
diam 19 mm
Coll. Zijlstra (FM), 423

419. Tzummarum (Franekeradeel)
5 G 35
rotating star
diam. 24 mm
Coll. Zijlstra (FM), 417

420. Midlum (Harlingen)
diam. 18 mm
Coll. Hasselt, 9286

421. Dronrijp (Menaldumadeel)
diam. 28 mm
Coll. Scheffer
Diggelnijs 14, Oct. 1991, p. 3

422. Pingjum (Wonseradeel)
Rigeterpen, 158.55/570.60
diam. 26.5 mm
Coll. Okel

423. Pingjum (Wonseradeel)
diam. 17 mm
Coll. Half

424. Pingjum (Wonseradeel)
diam. 24 mm
Coll. Half

OOSTERGO

425. Dongeradeel
diam. 23 mm
Coll. FM 1987-III-8

426. Hogebeintum (Ferwerderadeel)
diam. 23 mm
Coll. Bloem

FRIESLAND

427.
diam. 20 mm
Coll. Zijlstra (FM)

2.3.2.7. *Type of nine-pointed star*

WESTERGO

428. Slappeterp (Menaldumadeel)
5 G 96
diam. 19 mm
Coll. P. van Dijk

429. Pingjum area (Wonseradeel)
diam. 17.5 mm
Coll. Zijlstra (FM), 189

430. Northwestern Friesland
diam. 20 mm
Coll. Hasselt, 9275

2.4. *Group with pseudo-cloison*

Instead of a cloison with glass paste, we find a solid boss in the centre of the brooch. With some exceptions, the main body of pseudo-cloison brooches has the same ornamentation as the cloison group. The same dating may apply, i.e. the 9th and 10th centuries, tailing off into the 11th century.

2.4.1. *Subgroup with hubcap-like designs*

The brooches in this subgroup are all round.

2.4.1.1. *Type with six dimples*

Champlevé. This type also exists with more than six dimples, placed within a circle. As the sole example with more dimples actually recovered is incomplete, the six-dimpled version is presented here.

WIJNALDUM (HARLINGEN)

431.
diam. 16 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

432. Tzummarum (Franekeradeel)
approx. 8 dimples; incomplete and corroded
min. diam. 23 mm
Coll. G. van Dijk

433. Northwestern Friesland
diam. 17 mm
Coll. Hasselt 9313

2.4.1.2. *Type with seven dimples*

Cable rim. No enamel visible.

WESTERGO

434. Midlum (Harlingen)
solid boss with cloison-like dimensions
diam. 23 mm
Coll. Halff

435. Pingjum (Wonseradeel)
diam. 21 mm
Coll. Zijlstra (FM)

2.4.1.3. *Type with six spokes and felloe*

WESTERGO

436. Tzummarum (Franekeradeel)
diam. 21.5 mm
Coll. Zijlstra (FM)

2.4.1.4. *Type with eight rays*

Lead-tin pewter.

WESTERGO

437. Zweins (Franekeradeel)
diam. 15 mm
Coll. Boonstra, 89

2.4.2. *Type with a radiant star*

Frick defines disc brooches with this motif as an independent group. The present approach requires that we make it into a subgroup (represented by one type only), all the more since Frick gives examples with a central cloison. The rays of the star are more or less cabled.

WIJNALDUM (HARLINGEN)

438.
5 G 72
diam. 21 mm
Coll. Zijlstra (FM), 483
Zijlstra, 1991: No. 51; Frick, 1992/93: fig. 17-6

OTHER FINDS FROM WESTERGO

439. Oosterbierum (Franekeradeel)
very pronounced cables
diam. 23 mm
Coll. Zijlstra
Zijlstra, 1993: No. 96

440. Oosterbierum (Franekeradeel)
diam. 23 mm
Private collection

2.4.3. *Subgroup with flower shape*2.4.3.1. *Type of six-petalled flower with a central dimple*

As usual, the petals have dimples.

WESTERGO

441. Boer (Franekeradeel)
5 G 57
diam. 18 mm
Coll. Zijlstra (FM), 539

2.4.3.2. *Type of six-petalled flower with a central boss*

WESTERGO

442. Arum-Kimsword (Wonseradeel)
diam. 17 mm
Coll. Halff

2.4.3.3. *Type of seven-petalled flower*

WESTERGO

443. Baijum (Littenseradiel)
diam. 21 mm
Private collection

2.5. *Group with one or more crosses*

This group is certainly heterogeneous, the only connecting element being the depiction of a cross. In the majority of cases the cross belongs to Christian symbolism, as is indicated by its occasional combination with four dots, symbolising the Evangelists. Types 2.1.1.1, 2.1.1.2 and 2.3.1.6 also display a cross, but in these cases other features were given precedence. If

no other date is given, the general dating of 9th and 10th centuries applies, with a subsequent tailing-off.

2.5.1. *Subgroup of Kreuzemailfibeln*

The description of this group of types conforms to the overview given by Haseloff (1990: 102–107). Some new types are added, and some (regional?) variants are described; Haseloff knew of only five examples from Friesland. Haseloff's inventory of these brooches in northwestern Europe shows marked differences in the frequency of the different types. In 1990, 58 of the known brooches of this type belonged to his Type 1 (below, 2.5.1.1-4), being about half of the total. This trend is confirmed in the present material. The types are once again defined along ornamental criteria. Three distinctive techniques may be recognized. One group of brooches was cast, after which a thin coating of enamel was applied to the cross and the cells. In the case of the second group, a saucer or cup was cast; cells were then added in cloisonné fashion. Then the saucer was filled with a thick layer of enamel. The cells may have "wandered" during the final phase of production. In the catalogue of type 2.5.1.1 and some others, the first group is distinguished by the addition "cast cells"; if no information on technique is given, the brooch belongs to the second group. The third technique is in this paper referred to as *Grubenschmelz* technique, the term *champlevé* enamel also being used. In an otherwise smooth brooch, features are depressed and then filled with enamel. There is a marked difference in quality: the cast and "coated" brooches are the easiest to make, and the most simple; the cloisonné brooches are more elaborate and more brightly coloured, but this technique has the drawback that the thin wire of the cells may move position during enamelling; the brooches in *Grubenschmelz* are a superior product by far. All of these brooches are made of bronze or some other copper alloy; the pin was made of iron. The enamel is mostly of a (now) nondescript colour or has taken on the colour of the bronze; sometimes it is a bright red. These instances are noted in the catalogue.

A final observation on the cross as a symbol on these brooches. It seems that the pin on the back was mostly placed with deliberation. Diagonal attachments are a minority. Yet it was not compulsory to place the pin parallel to the arms of the cross: often the pin was attached behind the cells. Where possible the position of hinge attachment and catchplate is noted. Generally, the *Kreuzemailfibeln* are dated to the 9th and 10th centuries, without the tailing-off seen with some other groups.

2.5.1.1. *Type Haseloff 1a*

On this type, four cells create a cross with splayed arms. Among most Frisian finds, these cells are semi-circular, and not slightly elongated as with Haseloff's prototype (Haseloff, 1990: 103). The cast-cell specimens are here combined with the cloisonné ones, but the examples in *Grubenschmelz* will be treated as a separate type (2.5.1.3); the second prototype of Haseloff's type 1, with elliptical cells, is here called Haseloff 1b, and presented under 2.5.1.4.

WIJNALDUM (HARLINGEN)

444.

5 G 71, Tjitsma
pin on cells
diam. 14 mm
Coll. RAAP FB 5 G 71 A AKM 7, No. 10

445.

cast cells; pin on cross
corroded
diam. 21 mm
Coll. Zijlstra (FM), 907

446.

pin across
diam. 16 mm
Coll. G. van Dijk

447.

pin on cross
diam. 15.5 mm
Coll. Zijlstra (FM)

448.

cast cells; pin across
diam. 20 mm
Coll. Zijlstra (FM), 126

449.

pin on cross
diam. 14 mm
Coll. FM, acq. 27.3.1992

450.

pin on cross
diam. 13 mm
Coll. G. van Dijk

- 451.**
cast cells; pin on cross
diam. 22 mm
Coll. Hasselt, 9338
- 452.**
pin on cells
diam. 15 mm
Coll. Hasselt, 9273
- 453.**
5 G 71
cast cells; pin on cross
diam. 19 mm
Coll. Zijlstra (FM), 214
- 454.**
cast cells; pin on cross
diam. 14.5 mm
Coll. Zijlstra (FM)
- 455.**
5 G 71 east
pin on cross
diam. 14 mm
Private collection
- 456.**
cast cells; pin on cross
sloppy example
diam. 13.5 mm
Coll. Zijlstra (FM)
- 457.**
5 G 69
cast cells; pin on cells
diam. 15 mm
Coll. Zijlstra (FM)
- 458. Not available**
diam. ca. 15 mm
Coll. Zijlstra
Zijlstra, 1991: No. 55
- OTHER FINDS FROM WESTERGO
- 459. Minnertsga** (Het Bildt)
cast cells; pin across; pale-coloured enamel
metal "dot" in the centre of the cross
diam. 21 mm
Coll. Van der Veen
- 460. Minnertsga** (Het Bildt)
cast cells; pin on cross
diam. 26 mm
Coll. Hasselt, 9336
- 461. Minnertsga** (Het Bildt)
168.30/584.70
pin on cross
diam. 14 mm
Coll. Okel
- 462. Minnertsga** (Het Bildt)
not available
diam. ca. 22 mm
Coll. Zijlstra
Zijlstra, 1993: No. 71
- 463. Minnertsga** (Het Bildt)
pin on cells
diam. 13 mm
Coll. Zijlstra (FM)
- 464. Minnertsga** (Het Bildt)
cast cells; pin on cells
diam. 20 mm
Coll. Zijlstra (FM), 841
- 465. Bolsward** (Bolsward)
Fugelkritte
cast cells; pin across
diam. 20 mm
Coll. Koning
- 466. Achlum** (Franekeradeel)
not available
Coll. FM
Haseloff 1990, p. 104
- 467. Achlum** (Franekeradeel)
village *terp*
cast cells; pin on cross
diam. 23 mm
Coll. Zijlstra (FM), 346
- 468. Boer** (Franekeradeel)
167.10/581.05
large cast cells; pin on cells
polychrome enamel
min. diam. 23 mm
Coll. Okel

469. Boer (Franekeradeel)

cast cells; pin placed diagonally to cross
diam. 21 mm
Coll. Harmsma

470. Dongjum (Franekeradeel)

cast cells; pin on cross
diam. 16 mm
Coll. Zijlstra (FM)

471. Dongjum (Franekeradeel)

pin on cross
diam. 13.5 mm
Coll. Zijlstra (FM)

472. Dongjum (Franekeradeel)

pin on cells; red enamel
diam. 14 mm
Private collection

473. Franeker (Franekeradeel)

terp Groot Lankum
cast cells; pin on cells
diam. 21 mm
Coll. FM 1987-III-2

474. Franeker (Franekeradeel)

watertower
pin on cross; red enamel
diam. 13 mm
Coll. Zijlstra (FM), 621

475. Herbayum (Franekeradeel)

West
pin diagonal to cross
diam. 15.5 mm
Coll. Harmsma

476. Herbayum (Franekeradeel)

West
pin on cells
diam. 15 mm
Coll. Harmsma

477. Oosterbierum (Franekeradeel)

not available
diam. ca. 14 mm
Coll. Zijlstra
Zijlstra, 1993: No. 74

478. Oosterbierum (Franekeradeel)

5 G 38
pin on cells
diam. 13 mm
Coll. Zijlstra (FM)

479. Oosterbierum (Franekeradeel)

cast cells; pin across
no enamel visible
diam. 20 mm
Coll. G. van Dijk

480. Oosterbierum (Franekeradeel)

pin on cross
diam. 14 mm
Coll. Zijlstra (FM), 491

481. Pietersbierum (Franekeradeel)

5 G 47
pin on cells
diam. 14.5 mm
Coll. Zijlstra (FM), 684

482. Pietersbierum (Franekeradeel)

pin on cross
diam. 14.5 mm
Coll. Zijlstra (FM), 753

483. Ried (Franekeradeel)

168.00/581.52
pin across
diam. 14 mm
Coll. Okel

484. Ried (Franekeradeel)

cast cells; pin on cells
diam. 20 mm
Coll. G. van Dijk

485. Ried (Franekeradeel)

cast cells; pin on cells
diam. 20 mm
Coll. Zijlstra (FM)

486. Schalsum (Franekeradeel)

pin diagonal; red enamel
diam. 14 mm
Coll. Hasselt, 9251

487. Schalsum (Franekeradeel)

pin diagonal
diam. 14 mm
Coll. Hasselt, 9265

488. Midlum (Harlingen)
cast cells; pin on cross
diam. 14.5 mm
Coll. Hasselt, 9316

489. Midlum (Harlingen)
pin on cells; red enamel
diam. 14 mm
Coll. G. van Dijk

490. Beers (Littenseradiel)
not available
Coll. FM
Haseloff 1990, p. 104

491. Kubaard (Littenseradiel)
from the base of a *terp* known as Grits
red enamel; identification not certain; corroded
diam. 18 mm
Coll. Suierveld

492. Winsum (Littenseradiel)
diam. 12 mm
Coll. Scheffer

493. Wommels (Littenseradiel)
Klein Gietens
cast cells; pin on cross
diam. 16 mm
Coll. Suierveld

494. Berlikum (Menaldumadeel)
170.45/583.15
cast cells; pin on cells; enamelled?
diam. 24.5 mm
Coll. Okel

495. Menaldum (Menaldumadeel)
pin across
diam. 18 mm
Coll. Zijlstra (FM), 922

496. Slappeterp (Menaldumadeel)
5 H 13
pin on cross; red enamel
diam. 14 mm
Coll. Zijlstra (FM), 312

497. Slappeterp (Menaldumadeel)
cast cells; pin on cells
diam. 16 mm
Coll. A. van Dijk

498. Slappeterp (Menaldumadeel)
cast cells; pin on cross
diam. 17 mm
Coll. A. van Dijk

499. Arum-Kimswerd (Wonseradeel)
pin on cells
diam. 13 mm
Coll. Halff

500. Near Burgwerd (Wonseradeel)
cast cells; pin on cells
diam. 21 mm
Coll. Koning

501. Kimswerd (Wonseradeel)
cast cells; pin across
diam. 17 mm
Coll. Halff

502. Makkum (Wonseradeel)
northern *terp*
cast cells; pin on cross
diam. 22 mm
Coll. A. de Boer

503. Pingjum (Wonseradeel)
pin on cells
diam. 15 mm
Coll. Halff

504. Pingjum (Wonseradeel)
Riegeterpen, 158.55/57055
pin on cross
diam. 11.5 mm
Coll. Okel

505. (Wonseradeel)
pin on cross
diam. 14 mm
Coll. G. van Dijk

506. Pingjum (Wonseradeel)
Riegeterpen, 158.55/570.55
pin on cells
diam. 11.5 mm
Coll. Okel

507. Pingjum area (Wonseradeel)
pin across; enamel pale-coloured
diam. 15 mm
Coll. Niemarkt

508. Pingjum (Wonseradeel)
Riegeterpen, 158.55/570.55
 pin on cells; white enamel
 diam. 14 mm
 Coll. Okel

509. Pingjum (Wonseradeel)
Riegeterp
 pin on cross
 diam. 15 mm
 Coll. Zijlstra (FM), 396

510. Pingjum (Wonseradeel)
 pin across
 diam. 13.5 mm
 Coll. Zijlstra (FM)

511. Pingjum (Wonseradeel)
Riegeterpen
 pin on cells
 diam. 16.5 mm
 Coll. Zijlstra (FM), 65

512. Pingjum area (Wonseradeel)
 pin on cross
 diam. 13 mm
 Coll. Niemarkt

513. Pingjum (Wonseradeel)
Riegeterpen
 cast cells; pin on cross
 diam. 13 mm
 Coll. Zijlstra (FM), 478

514. Pingjum area (Wonseradeel)
 pin on cells
 diam. 14 mm
 Coll. Zijlstra (FM), 187

515. Pingjum (Wonseradeel)
 pin on cells
 diam. 14 mm
 Coll. Zijlstra (FM)

516. Pingjum (Wonseradeel)
Riegeterpen
 cast cells; pin on cross
 diam. 15 mm
 Coll. Zijlstra (FM), 410

517. Pingjum (Wonseradeel)
 pin on cells
 diam. 13 mm
 Coll. Haak

518. Pingjum (Wonseradeel)
 pin diagonal; red enamel
 diam. 14 mm
 Coll. Boonstra

519. Pingjum (Wonseradeel)
 pin on cross
 diam. 13.5 mm
 Coll. Boonstra

520. Pingjum (Wonseradeel)
 cast cells; pin on cells
 diam. 22 mm
 Coll. Harmsma

521. Pingjum (Wonseradeel)
 pin on cells
 diam. 12 mm
 Coll. Boonstra

522. Northwestern Friesland
 cast cells; pin diagonal
 diam. 20.5 mm
 Coll. Harmsma

523. Northwestern Friesland
 pin on cross
 diam. 13 mm
 Coll. Harmsma

524. Northwestern Friesland
 pin on cells
 diam. 17 mm
 Coll. Harmsma

525. Northwestern Friesland
 pin on cells
 diam. 15 mm
 Coll. Harmsma

526. Northwestern Friesland
 pin on cells
 diam. 15.5 mm
 Coll. Harmsma

527. Northwestern Friesland
 almost empty saucer
 diam. 12 mm
 Coll. Harmsma

528. Northwestern Friesland
 cast cells; pin on cells
 diam. 20 mm
 Coll. Hasselt, 9349

OOSTERGO

529. Dongeradeel

cast cells; pin on cells
diam. 21 mm
Coll. FM 1987-III-6

530. Aalzum (Dongeradeel)

pin on cross; red enamel
diam. 15 mm
Coll. Haak

531. Anjum (Dongeradeel)

pin across; pale-coloured enamel
diam. 14 mm
Coll. S. de Boer

532. Holwerd (Dongeradeel)

red enamel
diam. 13.5 mm
Coll. Haak

533. Morra (Dongeradeel)

cast cells; pin on cross
diam. 16.5 mm
Coll. Haak

534. Nes (Dongeradeel)

pin on cross; red enamel
diam. 14 mm
Coll. Haak

535. Niawier (Dongeradeel)

pin on cells
diam. 14 mm
Coll. Van Koningsveld

536. Niawier (Dongeradeel)

pin on cross; pale-coloured enamel.
diam. 14 mm
Coll. Van Koningsveld

537. Paesens/Moddergat (Dongeradeel)

pin on cells
diam. 14 mm
Coll. Haak

538. Wetzens (Dongeradeel)

Lutjewier
pin on cross; cabling on rim made by filing
diam. 17 mm
Coll. Zijlstra (FM), 120

539. Wetzens (Dongeradeel)

Lutjewier
cast cells; pin across
diam. 24 mm
Coll. Zijlstra (FM), 118

540. Blija (Ferwerderadeel)

cast cells; pin on cells
diam. 22 mm
Coll. Haak

541. Blija (Ferwerderadeel)

cast cells; pin on cross; red enamel
identification uncertain
diam. 20 mm
Coll. Wiersma

542. Ferwerd (Ferwerderadeel)

cast cells; pin on cells
diam. 14.5 mm
Coll. Haak

543. Hogebeintum (Ferwerderadeel)

pin on cross
diam. 11.5 mm
Coll. Bloem

544. Hogebeintum (Ferwerderadeel)

pin on cross; pale-coloured enamel
diam. 14 mm
Coll. Bloem

545. Heerenveen (Heerenveen)

behind the Abe Lenstra football stadium (probably transported soil).
cast cells; pin on cross; red enamel
diam. 14.5 mm
Coll. Dijkstra

546. Goutum (Leeuwarden)

terp Goutum-Noord
cast cells; pin across
diam. 21 mm
Coll. Suierveld

547. Swichum (Leeuwarden)

church *terp*
cast cells; pin on cells
diam. 20 mm
Coll. Galama

548. From redeposited *terp* soil in the Bergum area (Tietjerksteradeel)

cast cells; pin on cross
diam. 21 mm
Coll. Van der Meer, 92-3

549. From redeposited *terp* soil in the Bergum area (Tietjerksteradeel)

cast cells; pin on cells
fragment
diam. ca. 21 mm
Coll. Van der Meer, 92-8

FRIESLAND

550.

pin across
diam. 11 mm
Coll. Zijlstra (FM)

551.

cast cells; pin on cross
diam. 25 mm
Coll. Zijlstra

552.

pin on cross
diam. 11 mm
Coll. Zijlstra (FM)

2.5.1.2. *Type unknown (empty saucers)*

Unidentifiable, but probably in most cases type Haseloff 1a. Evidently these brooches were produced in the cloisonné technique; the cloisons and (most of) the enamel have fallen out of the brooch saucer (another disadvantage of this technique). The dating of the features underlying the topsoil that yielded the excavation find (No. 553) conforms to the general dating of these brooches: 9th century AD.

W '91-'93

553. Topsoil

diam. 13 mm
Coll. W '91-3

OTHER FINDS FROM WESTERGO

554. Oosterbierum (Franekeradeel)

5 G 38
diam. 17 mm
Coll. Zijlstra (FM)

555. Ried (Franekeradeel)

5 G 169.20/582.05
The cabling of the rim was made with a saw
diam. 18 mm
Coll. Sloots, 0034

556. Franekeradeel

diam. 14 mm
Coll. J. Henstra

557. Berlikum (Menaldumadeel)

red enamel
diam. 14 mm
Coll. Zijlstra (FM)

558. Lollum (Wonseradeel)

terp remnant Meerswak
diam. 18 mm
Coll. Suierveld

559. Pingjum (Wonseradeel)

diam. 13 mm
Coll. Zijlstra (FM)

OOSTERGO

560. Niawier (Dongeradeel)

diam. 15 mm
Coll. Wiersma

2.5.1.3. *Type Haseloff 1a in Grubenschmelz technique*

A type more common in Northern Germany. Exactly the same motif as 2.5.1.1, but in the *Grubenschmelz* technique. In the majority of cases the pin is set across.

WIJNALDUM (HARLINGEN)

561. Not available

5 G 69
diam. c. 15 mm
Coll. Zijlstra
Zijlstra, 1991: No. 53

562.

diam. 20 mm
Coll. Zijlstra (FM)

563.

rather small dots
diam. 21 mm
Coll. Zijlstra (FM)

564. Not available

diam. c. 22 mm
Coll. Zijlstra
Zijlstra, 1991: No. 52

OTHER FINDS FROM WESTERGO

565. Minnertsga (Het Bildt)

red enamel
diam. 15 mm
Coll. Zijlstra (FM)

566. Minnertsga (Het Bildt)

identification uncertain
diam. 18 mm
Coll. G. van Dijk

567. Minnertsga (Het Bildt)

pale-coloured enamel
diam. 19 mm
Coll. G. van Dijk

568. Firdgum (Franekeradeel)

red enamel
diam. 24.5 mm
Coll. Leistra

569. Oosterbierum (Franekeradeel)

5 G 38
diam. 17.5 mm
Coll. Zijlstra (FM), 872

570. Oosterbierum (Franekeradeel)

rather small dots
diam. 19 mm
Coll. Zijlstra (FM)

571. Franekeradeel

identification uncertain; corroded
diam. 18 mm
Coll. J. Henstra

572. Midlum (Harlingen)

red enamel
diam. 13.5 mm
Coll. Half

573. Pingjum (Wonseradeel)

Riegeterpen
diam. 20.5 mm
Coll. Zijlstra (FM), 60

OOSTERGO

574. Wetzens (Dongeradeel)

not available
diam. c. 25 mm
Coll. Zijlstra
Zijlstra, 1993: No. 73

FRIESLAND

575. Metal dot in the centre of the cross

diam. 21 mm
Coll. Zijlstra

2.5.1.4. *Type Haseloff 1b*

The same as Haseloff 1a, but with elliptical cells.
Cloisonné or cast.

WIJNALDUM (HARLINGEN)

576. Cast cells; pin on cross

diam. 21 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

577. Minnertsga (Het Bildt)

cast cells; pin on cross; enamelled?
diam. 21 mm
Coll. G. van Dijk

578. Franeker (Franekeradeel)

De Slachte
cast cells; pin on cross
diam. 22 mm
Coll. Zijlstra (FM)

579. Slappeterp (Menaldumadeel)

cast cells; pin on cross
diam. 22 mm
Coll. Harmsma

580. Pingjum (Wonseradeel)

Riegeterpen
cast cells; pin on cross
diam. 21 mm
Coll. Zijlstra (FM), 679

581. Pingjum (Wonseradeel)

Riegeterpen
pin on cells
diam. 16 mm
Coll. Zijlstra (FM), 360

2.5.1.5. *Type Haseloff 2a*

The cross is beginning to get obscured by the ornamentation of the cells.

Cast or cloisonné.

WESTERGO

582. Franeker (Franekeradeel)

not available

diam. c. 21 mm

Coll. Zijlstra

Zijlstra, 1993: No. 72

583. Peins (Franekeradeel)

cast cells; pin across

diam. 21 mm

Coll. Zijlstra (FM), 6

584. Northwestern Friesland

pin on cells

diam. 16 mm

Coll. Hasselt, 9322

OOSTERGO

585. Blija (Ferwerderadeel)

cast cells; pin on cross

diam. 22.5 mm

Coll. Zijlstra (FM)

2.5.1.6. *Type Haseloff 2b*

The second prototype of Haseloff's type 2. With cast cells.

WIJNALDUM (HARLINGEN)

586. Cast cells. Pin on cells

variant: a small dot in the centre

diam. 22 mm

Coll. Harmsma

OTHER FINDS FROM WESTERGO

587. Dongjum (Franekeradeel)

165.82/580.52

cast cells; pin on cross

diam. 22 mm

Coll. Okel

588. Pingjum (Wonseradeel)

Riegeterpen

cast cells; pin on cells

diam. 19.5 mm

Coll. Zijlstra (FM), 395

589. Pingjum (Wonseradeel)

cast cells; pin on cells

diam. 21 mm

Coll. Harmsma

OOSTERGO

590. Near Wetzens (Dongeradeel)

cast cells (?); pin on cross

diam. 17 mm

Coll. FM 1986-IX-1

De Vrije Fries 67, 1987: 186

2.5.1.7. *Type with three cells*

It is with some hesitation that it was decided to include this type in the group of brooches with a cross. Although they definitely belong in the very same tradition as the preceding types, they do not actually show a cross. Nevertheless, a cross is certainly suggested after looking at a type Haseloff 1a or 1b first. Made in exactly the same tradition, this type contains not four but three cells, equally spaced. In view of the number of finds, this certainly was not accidental. The main difference, apart from the number of cells is that this type tends to be a bit smaller. No cast examples are known; all were made in the cloisonné technique. Here also, the enamel is (now) mostly of an indistinct light colour, or has taken on the colour of the bronze.

WIJNALDUM (HARLINGEN)

591.

diam. 18 mm

Coll. Zijlstra (FM)

592.

5 G 71 east

diam. 12.5 mm

Coll. Zijlstra (FM), 825

OTHER FINDS FROM WESTERGO

593. Franeker (Franekeradeel)

diam. 16 mm

Coll. Hasselt, 9284

594. Oosterbierum (Franekeradeel)

5 G 38
diam. 11 mm
Coll. Zijlstra (FM), 497

595. Oosterbierum (Franekeradeel)

5 G 38
diam. 14 mm
Coll. Zijlstra (FM), 105

596. Peins-Schalsum (Franekeradeel)

Lonkum
diam. 14.5 mm
Coll. Harmsma

597. Harlingen area (Harlingen)

diam. 14 mm
Coll. Zijlstra (FM), 129

598. Midlum (Harlingen)

diam. 14 mm
Coll. J. Henstra

599. Midlum (Harlingen)

diam. 15 mm
Coll. G. van Dijk

600. Midlum (Harlingen)

diam. 12 mm
Coll. J. Henstra

601. Pingjum (Wonseradeel)

Riegeterpen
diam. 14 mm
Coll. Zijlstra (FM), 414

602. Pingjum (Wonseradeel)

10 B 22/23
red enamel
diam. 14.5 mm
Coll. Zijlstra (FM)

603. Pingjum (Wonseradeel)

Riegeterpen
red enamel
diam. 16 mm
Coll. Half

604. Pingjum (Wonseradeel)

red enamel
diam. 14.5 mm
Coll. Half

605. Pingjum (Wonseradeel)

Riegeterpen
diam. 14.5 mm
Coll. Zijlstra (FM), 411

606. Pingjum (Wonseradeel)

diam. 14 mm
Coll. Haak

607. Northwestern Friesland

diam. 13.5 mm
Coll. Harmsma

608. Northwestern Friesland

diam. 14 mm
Coll. Harmsma

609. Northwestern Friesland

diam. 12 mm
Coll. Hasselt, 9269

610. Northwestern Friesland

diam. 14 mm
Coll. Hasselt, 9294

611. Northwestern Friesland

diam. 18.5 mm
Coll. Hasselt, 9350

OOSTERGO

612. Engwierum (Dongeradeel)

diam. 15 mm
Coll. Haak

613. Niawier (Dongeradeel)

diam. 15 mm
Coll. Wiersma

614. Leeuwarden (Leeuwarden)

diam. 15 mm
Coll. J. Henstra

2.5.1.8. *Type with three cells with loops*

The same, but with the ends of the cloisons turned outward, creating small loops, in the tradition of 2.5.1.5. Cloisonné technique.

WIJNALDUM (HARLINGEN)

615.

diam. 16 mm
Coll. Zijlstra (FM)

616.
diam. 13 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

617. Almenum (Harlingen)
5 G 73
diam. 15 mm
Coll. Zijlstra (FM), 12

618. Midlum (Harlingen)
diam. 14 mm
Coll. Zijlstra (FM)

2.5.1.9. *Type with three kidney-shaped cells*

The same as 2.5.1.8, but with the cloison ends turned inward, and with very large cells.
Cloisonné technique.

WIJNALDUM (HARLINGEN)

619. Dorpsstraat, 160.2/578.7
diam. 15.5 mm
Coll. Okel

2.5.1.10. *Type Haseloff 6*

On this type the splayed-arm cross is replaced by a Greek cross; presumably this would make the Christian association all the more obvious. Yet one must wonder how these brooches were worn, since the pins of the Frisian examples are all set at an angle to the cross. All of these brooches are cast-cell.

WIJNALDUM (HARLINGEN)

620.
5 G 70
red enamel
diam. 19 mm
Coll. Zijlstra (FM), 639

621. Red enamel
diam. 19 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

622. Oosterbierum (Franekeradeel)
diam. 19 mm
Coll. Hasselt, 9274

623. Midlum (Harlingen)
red enamel
diam. 19 mm
Coll. Halff

624. Berlikum (Menaldumadeel)
red enamel
diam. 19 mm
Coll. Zijlstra (FM), 306

625. Slappeterp (Menaldumadeel)
5 H 13
diam. 18.5 mm
Coll. Zijlstra (FM), 278

626. Pingjum (Wonseradeel)
diam. 18 mm
Coll. Boonstra

OOSTERGO

627. Hogebeintum (Ferwerderadeel)
red enamel
diam. 16 mm
Coll. Bloem

2.5.1.11. *Type Haseloff 7a*

All examples are cast-cell. Here, as on the following types, the cross is "broken" with a circle or other motif.

WIJNALDUM (HARLINGEN)

628.
diam. 25 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

629. Minnertsga (Het Bildt)
red enamel
diam. 24 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 75

630. Minnertsga (Het Bildt)
identification not certain
diam. 26 mm
Coll. G. van Dijk

631. Almenum (Harlingen)
5 G 73
small fragment; identification not certain
Coll. P. van Dijk

632. Pingjum (Wonseradeel)
small fragment; identification not certain
Coll. Boonstra

OOSTERGO

633. Hallum (Ferwerderadeel)
terp near Jousumburen
diam. 24 mm
Coll. FM 27AA-97
Boeles, 1951: 458, and ill. 81-4

634. Hogebeintum (Ferwerderadeel)
diam. 24 mm
Coll. Bloem

635. From redeposited *terp* soil in the Bergum area (Tietjerksteradeel)
corroded; might be of type 2.5.1.12
diam. 23.5 mm
Coll. Van der Meer, 93-2

2.5.1.12. *Type Haseloff 7b*

The second prototype of Haseloff's type 7. Cast cells.
The pins on this type too are placed at an angle to the cross.

WIJNALDUM (HARLINGEN)

636.
diam. 22.5 mm
Coll. Zijlstra (FM)

637.
5 G 71
red enamel
diam. 24 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

638. Firdgum (Franekeradeel)
diam. 24.5 mm
Coll. Leistra

639. Oosterbierum (Franekeradeel)
5 G 38
diam. 24 mm
Coll. Zijlstra, 50

640. Almenum (Harlingen)
diam. 24 mm
Coll. Zijlstra (FM), 808

641. Kubaard (Littenseradiel)
diam. 24 mm
Coll. Zijlstra (FM), 938

642. Terp Hoge Wier (Menaldumadeel)
172.87/582.15
fragment; identification not certain
diam. 23 mm
Coll. Okel

643. Pingjum (Wonseradeel)
Riegeterpen
diam. 24 mm
Coll. Zijlstra (FM), 64

644. Pingjum area (Wonseradeel)
diam. 24 mm
Coll. Niemarkt

645. Pingjum (Wonseradeel)
diam. 25 mm
Coll. Harmsma

FRIESLAND

646.
diam. 25 mm
Coll. Zijlstra

2.5.1.13. *Unique type*

Cast cells.

WESTERGO

647. Harlingen area (Harlingen)
red enamel
diam. 24 mm
Coll. Zijlstra, 152
Zijlstra, 1993: No. 85

2.5.1.14. *Type with complex double cross with central circle*

Grubenschmelz technique. In some cases the design is somewhat simplified.

WIJNALDUM (HARLINGEN)

648.

diam. 21 mm
Coll. Zijlstra (FM)

649.

5 G 72
diam. 20.5 mm
Coll. Zijlstra (FM), 67
Zijlstra, 1990: No. 14i

OTHER FINDS FROM WESTERGO

650. Minnertsga (Het Bildt)

168.30/584.70
diam. 21 mm
Coll. Okel

651. Dongjum (Franekeradeel)

red enamel
diam. 18 mm
Coll. W. de Jonge

652. Oosterbierum (Franekeradeel)

simplified
diam. 19.5 mm
Coll. Zijlstra (FM)
probably identical with Zijlstra, 1993: No. 95

653. Ried-Slappeterp (Franekeradeel)

5 G 51 west
Either the findspot or the code (indicating Wijnaldum) is incorrect.
diam. 20 mm
Coll. RAAP FB 5 G 71 W AKM 1

654. Berlikum (Menaldumadeel)

enamel (now) missing
diam. 20 mm.
Coll. Zijlstra (FM), 447

655. Pingjum (Wonseradeel)

not available
diam. c. 24 mm
Coll. Zijlstra
Zijlstra, 1993: No. 94

656. Pingjum (Wonseradeel)

diam. 20 mm.
Coll. Zijlstra (FM), 551

657. Northwestern Friesland

diam. 21 mm
Coll. FM 1990-II-2

OOSTERGO

658. Goutum (Leeuwarden)

terp Goutum-Noord
diam. 21 mm
Coll. Suierveld

2.5.1.15. *Type with quintuplet cross*

The four cells of type Haseloff 1a (2.5.1.1) are here accompanied by a fifth circle, which may or may not connect them. In the prototype illustrated in this paper, the central circle connects the four other cells. Haseloff's type 3 shows a smaller central circle. Most are cast-cell, two examples are in *Grubenschmelz* technique.

WIJNALDUM (HARLINGEN)

659.

5 G 71
Grubenschmelz technique
red enamel
diam. 23.5 mm
Coll. Zijlstra (FM), 175

660.

5 G 71 east
pin on cross
diam. 18 mm
Private collection

661.

diam. 23.5 mm
Coll. Harmsma

662.

diam. 21 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

663. Dongjum (Franekeradeel)

pin on cells
diam. 17 mm
Coll. Harmsma

664. Dongjum (Franekeradeel)

small central cell
diam. 15 mm
Coll. G. van Dijk

665. Tzummarum (Franekeradeel)

pin across
diam. 14 mm
Coll. Zijlstra (FM)

666. Midlum (Harlingen)

diam. 20 mm
Coll. J. Henstra

667. Hijlaard (Littenseradiel)

10 F 19
diam. 19 mm
Coll. Zijlstra (FM), 689

668. Along the Wommels-Kubaard road
(Littenseradiel)

Grubenschmelz technique
diam. 19 mm
Coll. Niemarkt, 11

669. Pingjum area (Wonseradeel)

diam. 17 mm
Coll. Zijlstra (FM), 196

OOSTERGO

670. Niawier (Dongeradeel)

pale-coloured enamel
diam. 22 mm
Coll. Steen

671. Wetzens (Dongeradeel)

Lutjewier
diam. 20 mm
Coll. Zijlstra (FM), 119
Zijlstra, 1993: No. 89

672. Hogebeintum (Ferwerderadeel)

red enamel
diam. 18 mm
Coll. Van Koningsveld

2.5.1.16. *Type Haseloff 6/7a*

The cross on type Haseloff 6 is broken by a central circle. The pin is parallel to the cross. Cast-cell ornamentation.

WESTERGO

673. Bolsward (Bolsward)

Fugelkritte
red enamel; identification uncertain
diam. 23 mm
Coll. Koning

674. Schalsum (Franekeradeel)

red enamel
diam. 18 mm
Coll. Boonstra

675. Midlum (Harlingen)

red enamel
diam. 17 mm
Coll. Halff

OOSTERGO

676. Ferwerd (Ferwerderadeel)

red enamel
diam. 18 mm
Coll. Zijlstra (FM), 908

677. Oosterbeintum (Ferwerderadeel)

red enamel
diam. 23 mm
Coll. Zijlstra (FM)

2.5.1.17. *Type noughts-and-crosses*

Cast-cell.

WESTERGO

678. Dronrijp (Menaldumadeel)

5 H 64bis
red enamel; pin across
diam. 18 mm
Coll. Zijlstra (FM), 624

679. Wommels (Littenseradiel)

red enamel; pin across
diam. 17 mm
Coll. Galama

2.5.1.18. *Type Haseloff 9 and variant Haseloff 9*

With a central "star", Cast. Pin on cross. The true Haseloff 9 example (left) is from Harlingen, the one with a small star in the centre is the Minnertsgea find.

680. Minnertsga (Het Bildt)

5 G 28

damaged; red enamel

diam. 18.5 mm

Coll. P. van Dijk

681. Harlingen (Harlingen)

"from a maize field"

enamelled?

diam. 26 mm

Coll. A. de Boer

2.5.1.19. *Unique type in Grubenschmelz technique*

Pin across; pale-coloured enamel.

WESTERGO

682. Tzummarum (Franekeradeel)

diam. 19 mm

Coll. Boonstra, 75

2.5.1.20. *Type variant Haseloff 10*

Pale-coloured enamel. Two crosses entwined, one more rounded, one more angular.

Haseloff's type 10 has two identical, slightly rounded crosses.

WESTERGO

683. Ried (Franekeradeel)

5 G 168.40/581.63

pin on more rounded cross

diam. 22 mm

Coll. Sloots, 0013

684. Tzummarum (Franekeradeel)

pin on more angular cross

diam. 20 mm

Coll. Boonstra, 76

2.5.1.21. *Type Haseloff 4*

WESTERGO

685. Midlum (Harlingen)

red enamel

diam. 18 mm

Coll. G. van Dijk

2.5.1.22. *Type Haseloff 5*

The enamelled fields of this cartwheel can also be regarded as two complementary, upright and diagonal crosses.

WIJNALDUM (HARLINGEN)

686. Cloisonné

red enamel

diam. 17 mm

Coll. G. van Dijk

OTHER FINDS FROM WESTERGO

687. Pingjum (Wonseradeel)

Rommerdastate

cast-cell

diam. 22 mm

Coll. Suierveld

2.5.1.23. *Type cross with double dots*

Pin across.

WESTERGO

688. Wommels (Littenseradiel)

cross in red enamel, dots in white enamel

diam. 22 mm

Coll. Galama

689. Burgwerd (Wonseradeel)

Kromwal

red enamel

diam. 24 mm

Coll. W. de Jonge

690. Northwestern Friesland

red enamel

diam. 23 mm

Coll. Harmsma

2.5.1.24. *Type variant cross with double dots**Grubenschmelz* technique.

FRIESLAND

691. Red enamel

diam. 24 mm

Coll. FM 1965-II-29

2.5.1.25. *Type five-dotted cross*

WESTERGO

Grubenschmelz technique.

WESTERGO

692. Northwestern Friesland

red enamel

diam. 19 mm

Coll. Zijlstra (FM)

2.5.1.26. *Type Haseloff 10*

WIJNALDUM (HARLINGEN)

693. Red enamel

diam. 18.5 mm

Coll. Boonstra. 153

OTHER FINDS FROM WESTERGO

694. Almenum (Harlingen)

diam. 22 mm

Coll. Zijlstra (FM), 803

695. Pingjum (Wonseradeel)

diam. 26 mm

Coll. Boonstra

696. Northwestern Friesland

diam. 20 mm

Coll. Harmsma

2.5.1.27. *Type quatrefoil*

The former presence of enamel is not altogether certain.

WESTERGO

697. Midlum (Harlingen)

diam. 20 mm

Coll. Zijlstra (FM), 394

Zijlstra, 1993: No. 88

2.5.1.28. *Unique type*

This brooch does not fully belong in the tradition of the *Kreuzemäufibeln*, but it does display a cross and it does contain enamel or glass paste. Champlévé.

698. Oosterbierum (Franekeradeel)

diam. 24.5 mm

Coll. G. van Dijk

2.5.1.29. *Unique type* (flower-shaped)

This brooch like 2.5.1.28 does not truly belong in the group of the *Kreuzemäufibeln*, but again it does show a cross and it is enamelled, champlévé. The dimples in the “flower petals” perforate the rim.

WESTERGO

699. Pingjum area (Wonseradeel)

diam. 23 mm

Coll. Niemarkt

2.5.1.30. *Type reversed Haseloff 11*

This type is the reverse of Haseloff’s type 11: in Friesland the cross is enamelled, whereas Haseloff (1990) shows a champlévé type where the cross is bronze, embedded in an enamelled central field. Pin parallel to the cross. This type also belongs in the next subgroup, that of the champlévé brooches.

WIJNALDUM (HARLINGEN)

700.

5 G 70

diam. 22 mm

Coll. Zijlstra, 154

701.

5 G 71

diam. 15 mm

Coll. Zijlstra (FM), 220

OTHER FINDS FROM WESTERGO

702. Achlum (Franekeradeel)

diam. 15 mm

Coll. Boonstra, 127

703. Dongjum (Franekeradeel)

diam. 21 mm

Coll. Hasselt 9327

704. Dongjum (Franekeradeel)

diam. 21 mm

Coll. FM 1986-VII-49

705. Franeker (Franekeradeel)

Molswerd
diam. 12 mm
the smallest of this type
Coll. Suierveld

706. Pietersbierum (Franekeradeel)

red enamel
diam. 21 mm
Coll. Hasselt, 9333

707. Sexbierum (Franekeradeel)

concave at the back
diam. 21 mm
Coll. Zijlstra (FM)

708. Berlikum (Menaldumadeel)

diam. 21 mm
Private collection

709. Berlikum (Menaldumadeel)

enamelled
diam. 16 mm
Coll. Zijlstra (FM), 654

710. Slappeterp (Menaldumadeel)

enamelled
diam. 15.5 mm
Coll. A. van Dijk

711. Arum (Wonseradeel)

diam. 20 mm
Coll. Haak

712. Arum-Kimswerd (Wonseradeel)

diam. 21 mm
Coll. Halff

713. Pingjum (Wonseradeel)

diam. 14 mm
Coll. Zijlstra (FM)

714. Pingjum area (Wonseradeel)

depressed cross only thinly enamelled
diam. 15 mm
Coll. Niemarkt, 5

715. Pingjum (Wonseradeel)

10 B 22-23
diam. 16 mm
Coll. Zijlstra (FM), 743

OOSTERGO

716. Dongeradeel

diam. 16.5 mm
Coll. FM 1987-III-7

717. Hallum (Ferwerderadeel)

diam. 15.5 mm
Coll. Zijlstra (FM)

2.5.1.31. *Type reversed Haseloff II with engraved rim*

WESTERGO

718. Pietersbierum (Franekeradeel)

5 G 47
diam. 22 mm
Coll. Zijlstra (FM), 15
Zijlstra, 1993: No. 77

2.5.1.32. *Type with an ypsilon cross*

Following the argument explained under 2.5.1.7, this champlévé brooch with a three-armed cross and three dots is included; it is also the last of the champlévé enamelled brooches with a cross to be discussed here.

WIJNALDUM (HARLINGEN)

719.

diam. 24 mm
Coll. Zijlstra (FM)

2.5.2. *Subgroup of champlévé brooches*

There is a certain overlap of the champlévé brooches with subgroup 2.5.1, in that they share the last five types of that subgroup. None of the types discussed below is convincingly enamelled. All decorations, except the champlévé itself, are negative, unlike Capelle (n.y., Domburg, No. 87).

2.5.2.1. *Type with simple cross and plain rim*

WIJNALDUM (HARLINGEN)

720. Voorrijp, 1 km east of village

diam. 16 mm
Coll. Okel

OTHER FINDS FROM WESTERGO

721. Minnertsga (Het Bildt)
diam. 17 mm
Coll. G. van Dijk

722. Ried (Franekeradeel)
169.47/582.425
diam. 16 mm
Coll. Okel

723. Beetgum/Menaldum (Menaldumadeel)
near the *stinswier* [castle mound]
diam. 15 mm
Coll. Galama

724. Kimsward (Wonseradeel)
diam. 15 mm
Coll. Half

725. Kimsward (Wonseradeel)
diam. 19 mm
Coll. Half

726. Northwestern Friesland
diam. 17 mm
Coll. Hasselt, 9266

OOSTERGO

727. Wierum (Dongeradeel)
diam. 15 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 78

728. Hallum (Ferwerderadeel)
diam. 19 mm
Coll. Wiersma

729. Oosterbeintum (Ferwerderadeel)
diam. 19 mm
Coll. S. de Boer

2.5.2.2. *Type with simple cross and engraved rim*

OOSTERGO

730. Wierum (Dongeradeel)
diam. 18 mm
Coll. Haak

2.5.2.3. *Type with simple cross and four dimples*

The find from the Wijnaldum excavation offers no new dating evidence.

W '91-'93

731. WP VI, level 3
diam. 16 mm
Coll. W '91-980

WIJNALDUM (HARLINGEN)

732.
5 G 71 (B)
diam. 16.5 mm
Coll. RAAP FB 5 G 71 (B) AKM 2, No. 7

733.
5 G 71
diam. 19 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

734. Minnertsga (Het Bildt)
168.30/584.70
diam. 18 mm
Coll. Okel

735. Dongjum (Franekeradeel)
5 G 63
diam. 18 mm
Coll. Zijlstra (FM), 529

736. Dongjum (Franekeradeel)
diam. 18.5 mm
Coll. Zijlstra (FM)

737. Franeker (Franekeradeel)
diam. 18 mm
Coll. K. Henstra

738. Herbayum (Franekeradeel)
diam. 17 mm
Coll. Harmsma

739. Ludingakerk (Franekeradeel)
diam. 17.5 mm
Coll. Harmsma

740. Peins/Slappeterp (Franekeradeel)

diam. 16 mm

Coll. Zijlstra (FM)

741. Schalsum (Franekeradeel)

diam. 18 mm

Coll. Zijlstra (FM)

742. Schalsum (Franekeradeel)

diam. 18 mm

Coll. Hasselt, 9279

743. Almenum (Harlingen)

diam. 18 mm

Coll. Zijlstra (FM), 804

744. Midlum (Harlingen)

diam. 17 mm

Coll. Boonstra, 41

745. Baijum (Littenseradiel)

5 H 60

diam. 18 mm

Coll. Zijlstra (FM), 389

746. Slappeterp (Menaldumadeel)

diam. 19 mm

Coll. A. van Dijk

747. Kimsward (Wonseradeel)

diam. 20 mm

Coll. Halff

748. Pingjum (Wonseradeel)*Riegeterpen*, 158.55/570.55

diam. 16.5 mm

Coll. Okel

749. Northwestern Friesland

diam. 18 mm

Coll. Hasselt, 9325

750. Northwestern Friesland

diam. 18.5 mm

Coll. Hasselt, 9810

OOSTERGO

751. Anjum (Dongeradeel)

diam. 18 mm

Coll. Zijlstra (FM)

752. Anjum (Dongeradeel)

diam. 17 mm

Coll. Weening

753. Paesens (Dongeradeel)

diam. 18 mm

Coll. Haak

754. Hogebeintum (Ferwerderadeel)

diam. 19 mm

Coll. Bloem

755. Hogebeintum (Ferwerderadeel)identification uncertain; probably enamelled.
worn.

diam. 26 mm

Coll. Bloem

2.5.2.4. *The same type with an engraved rim*

WIJNALDUM (HARLINGEN)

756.

5 G 72

diam. 18 mm

Coll. Zijlstra (FM), 30

757.

diam. 19.5 mm

Coll. Zijlstra (FM)

Zijlstra, 1990: No. 14k

OTHER FINDS FROM WESTERGO

758. Bolsward (Bolsward)*terp* 65

Original not seen by the author

diam. 18 mm

Coll. Koning

759. Dongjum (Franekeradeel)

5 G 63

diam. 18 mm

Coll. Zijlstra (FM), 666

760. Zweins (Franekeradeel)

diam. 20 mm

Coll. Zijlstra (FM), 7

761. Midlum (Harlingen)

diam. 19 mm

Coll. Halff

762. Kimsward (Wonseradeel)
diam. 17 mm
Coll. Half

763. Pingjum (Wonseradeel)
diam. 19 mm
Coll. Half

764. Pingjum (Wonseradeel)
Riegeterpen
diam. 19 mm
Coll. Zijlstra (FM), 477

OOSTERGO

765. Anjum (Dongeradeel)
diam. 20 mm
Coll. Haak

766. Nes (Dongeradeel)
diam. 18 mm
Coll. Haak

767. Blija (Ferwerderadeel)
diam. 19 mm
Coll. Haak

2.5.2.5. *Type with flower shape and simple cross*

The rim is formed by eight more or less rounded petals with dimples.

WIJNALDUM (HARLINGEN)

768.
diam. 19 mm
Coll. FM, acquisition 27.3.1992

OTHER FINDS FROM WESTERGO

769. Dongjum (Franekeradeel)
5 G 63
diam. 19 mm
Coll. Zijlstra (FM), 75
Zijlstra, 1993: No. 80

770. Oosterbierum (Franekeradeel)
5 G 38
diam. 18.5 mm
Coll. Zijlstra (FM)

771. Slappeterp (Menaldumadeel)
incomplete
diam. 19.5 mm
Coll. A. van Dijk

772. Slappeterp (Menaldumadeel)
diam. 21 mm
Coll. A. van Dijk

773. Pingjum (Wonseradeel)
10 B 22-23
diam. 21 mm
Coll. Zijlstra (FM), 742

774. Pingjum (Wonseradeel)
not available
diam. c. 27 mm
Coll. Zijlstra
Zijlstra, 1993: No. 76

FRIESLAND

775.
diam. 19 mm
Coll. Zijlstra (FM)

2.5.2.6. *Type with seven-petalled flower, simple cross and four dimples*

The rim consists of seven more or less rounded petals with dimples.

WIJNALDUM (HARLINGEN)

776.
incomplete; seven or more petals?
diam. c. 18 mm
Coll. FM acquisition 27.3.1992

777.
skating rink
diam. 20 mm
Coll. Okel

OTHER FINDS FROM WESTERGO

778. Minnertsga (Het Bildt)
diam. 19 mm
Coll. Zijlstra (FM)

779. Boer (Franekeradeel)
5 G 57
diam. 20 mm
Coll. Zijlstra (FM)

780. Dongjum (Franekeradeel)
5 G 63
diam. 16 mm
Coll. RAAP FB 5 G 63 AKM, No. 2

781. Almenum (Harlingen)
5 G 73
centre-field somewhat heptagonal
diam. 19.5 mm
Coll. Zijlstra (FM), 302

782. Midlum (Harlingen)
diam. 21 mm
Coll. Halff

783. Sneek area (Sneek)
centre-field somewhat heptagonal
diam. 18 mm
Coll. J. Henstra

784. Arum-Kimswerd (Wonseradeel)
diam. 20 mm
Coll. Halff

785. Arum-Kimswerd (Wonseradeel)
diam. 20 mm
Coll. Halff

786. Arum-Kimswerd (Wonseradeel)
diam. 19 mm
Coll. Halff

787. Kimswerd (Wonseradeel)
Ljippeterp
diam. 19 mm
Coll. Niemarkt, 12

788. Pingjum area (Wonseradeel)
hexagonal
diam. 20 mm
Coll. Zijlstra (FM), 193

789. Pingjum (Wonseradeel)
10 B 22-23
diam. 19.5 mm
Coll. Zijlstra (FM)

790. Northwestern Friesland
diam. 18 mm
Coll. Harmsma

OOSTERGO

791. Anjum (Dongeradeel)
diam. 21 mm
Coll. Zijlstra (FM), 122
Zijlstra, 1993: No. 79

792. Holwerd (Dongeradeel)
diam. 19 mm
Coll. S. de Boer

FRIESLAND

793.
diam. 20 mm
Coll. Zijlstra (FM)

2.5.2.7. *The same type, eight petalled*

The rim consists of eight petals with dimples.

WESTERGO

794. Minnertsga (Het Bildt)
diam. 19 mm
Private collection

795. Boer (Franekeradeel)
diam. 20.5 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 81

796. Almenum (Harlingen)
5 G 73
diam. 20 mm
Coll. Zijlstra (FM), 301

OOSTERGO

797. Anjum (Dongeradeel)
diam. 20 mm
Coll. S. de Boer

FRIESLAND

798.
very small centre; barely enough space for a cross
between the four pits
diam. 19 mm
Coll. Zijlstra (FM)

2.5.3. *Subgroup of miscellaneous types in copper alloys*

2.5.3.1. *Type with cross and four dots*

The rim and design are often cabled. The features underlying the topsoil in which No. 800 was found, can be dated between AD 800 and 900. This is a convincing date, although this type may still have been in production later.

W '91-'93

799. Topsoil

corroded
diam. 21 mm
Coll. W '91-1930

800. Topsoil

diam. 22.5 mm
Coll. W '91-11
Besteman *et al.*, 1992: 63

WIJNALDUM (HARLINGEN)

801. (Franekeradeel, but the findspot still belongs to Wijnaldum)

5 G 68
diam. 21 mm
Coll. RAAP FB 5 G 68 AKM No. 2

802.

5 G 72 (I)
identification uncertain
fragment
Coll. RAAP FB 5 G 72 (I) AKM 3, No. 1

803.

diam. 22 mm
Coll. Zijlstra (FM)

804.

5 G 71
diam. 21 mm
Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

805. Oosterbierum (Franekeradeel)

Haardastate
diam. 21 mm
Coll. Suierveld

806. Oosterbierum (Franekeradeel)

5 G 38
diam. 22 mm
Coll. Zijlstra (FM), 493

807. Oosterbierum (Franekeradeel)

5 G 38
diam. 21 mm
Coll. Zijlstra (FM), 494

808. Oosterbierum (Franekeradeel)

5 G 38
diam. 22.5 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 83

809. Pietersbierum (Franekeradeel)

5 G 47
the four dots have melted
diam. 21.5 mm
Coll. Zijlstra (FM)

810. Pingjum (Wonseradeel)

Riegeterpen
diam. 22 mm
Coll. Zijlstra (FM), 680

811. Pingjum (Wonseradeel)

Riegeterpen
diam. 22 mm
Coll. Zijlstra (FM), 409

OOSTERGO

812. Aalzum (Dongeradeel)

diam. 22 mm
Coll. Haak

813. Morra (Dongeradeel)

diam. 21 mm
Coll. Haak

2.5.3.2. *Type with cross and five dots*

This type lacks the cells of 2.5.3.1.

WIJNALDUM (HARLINGEN)

814.

5 G 69
diam. 21 mm
Coll. Zijlstra, 839

815.

5 G 71 east
diam. 20 mm
Private collection

OTHER FINDS FROM WESTERGO

816. Slappeterp (Menaldumadeel)

diam. 21 mm
Coll. J. Henstra

2.5.3.3. *Type with cross and four kidney-shaped motifs*

The features underlying the topsoil where No. 817 was found, are dated between AD 200 and 300; this brooch must therefore have been transported, owing to agriculture. The features where No. 818 was found, however, date from between 850 and 900, which is just what we would expect. Frick (1992/93: 276) only presented a date for a specimen found in the row cemetery (*Reihengräberfeld*) at Wulfesen (Germany), which is dated to the 8th-9th centuries.

W '91-'93

817. Topsoil

diam. 22 mm
Coll. W '91-33

818. Topsoil

diam. 23 mm
Coll. W '91-2566

WIJNALDUM (HARLINGEN)

819.

diam. 23 mm
Coll. Zijlstra

820.

5 G 71, Tjitsma
diam. 23 mm
Private collection

OOSTERGO

821. Hogebeintum (Ferwerderadeel)

diam. 22 mm
Coll. Van Koningsveld

2.5.3.4. *Type with a cross formed by four kidney-shaped cells*

Whereas Frick in his classification gave precedence to the peltas, it was here decided, in the light of type 2.5.3.3., to highlight the diagonal cross that they form.

WESTERGO

822. Ludingakerk (Franekeradeel)

diam. 22 mm
Coll. Harmsma

823. Midlum (Harlingen)

diam. 22 mm
Coll. Halff

824. Pingjum (Wonseradeel)

Riegeterp
diam. 23.5 mm
Coll. Zijlstra, 474
Zijlstra, 1993: No. 97

OOSTERGO

825. Holwerd (Dongeradeel)

diam. 23 mm
Coll. Zijlstra (FM)

2.5.3.5. *Type with an ypsilon cross formed by with three kidney-shaped motifs*

Although this is not a Greek cross but an ypsilon cross, the same argument applies here as in the case of the three-celled version of Haseloff 1a brooches (type 2.5.1.7).

WIJNALDUM (HARLINGEN)

826.

5 G 71
diam. 26 mm
Coll. Zijlstra (FM), 113
Zijlstra, 1990: No. 14h

2.5.3.6. *Type with a cross formed by raised blocks*

Cf. the cross-shaped disc brooch of type 2.11.4. The dimples in the blocks may have been enamelled.

WESTERGO

827. Menaldum (Menaldumadeel)

diam. 19 mm

Private collection

828. Slappeterp (Menaldumadeel)

5 H 10A

incomplete

min. diam. 21 mm

Coll. Zijlstra (FM), 838

829. Northwestern Friesland

diam. 21.5 mm

Coll. Hasselt, 9282

2.5.3.7. *Type early precursor*

This probably late-6th-century type cannot be considered a disc brooch proper, but it might well be one of its precursors, and it is difficult to classify otherwise. In the German literature these brooches are known as *Filigranscheibenfibeln*. It consists of a bronze disc with a raised rim, with a silver disc soldered into this saucer. Onto this, a design of intertwining crosses is applied, formed by red stones and silver filigree. Bertram (1995: 73–74) gives examples from Picardy, and a dating in the late 6th and early 7th century. They differ markedly from saucer brooches, another possible category of precursors, which will be dealt with in a later publication.

WESTERGO

830. Slappeterp (Menaldumadeel)

5 H 13

diam 25 mm, 4 mm thick

Coll. Zijlstra, 733

Zijlstra, 1993: No. 22

2.5.3.8. *Type with five cabled cells*

The central cell contains a bronze platform. The rim too is cabled. No enamel.

OOSTERGO

831. Wetzens (Dongeradeel)

diam. 20.5 mm

Coll. Haak

2.5.3.9. *Unique type with eight spokes and felloe*

A cross accompanied by four dots, or alternatively two crosses, upright and diagonal, are represented by nine dimples. This type seems closely affiliated to the groups with a central cloison or pseudo-cloison.

WESTERGO

832. Slappeterp (Menaldumadeel)

diam. 24 mm

Coll. Zijlstra

Zijlstra, 1993: No. 92

2.5.3.10. *Type with engraved Maltese cross*

WESTERGO

833. Minnertsga (Het Bildt)

diam. 15 mm

Coll. Hasselt, 9347

834. Berlikum (Menaldumadeel)

diam. 16 mm

Coll. Zijlstra (FM), 703

Zijlstra, 1993: No. 91

OOSTERGO

835. Metslawier (Dongeradeel)

diam. 16.5 mm

Coll. Haak

2.5.3.11. *Unique type*

WESTERGO

836. Oosterbierum (Franekeradeel)

5 G 40

diam. 20 mm

Coll. Zijlstra (FM), 262

2.5.3.12. *Unique type*

WESTERGO

837. Boer (Franekeradeel)

diam. 25.5 mm

Coll. Zijlstra (FM)

Zijlstra, 1993: No. 84

2.5.3.13. *Unique type*

Engraved circle and cross, accompanied by four dimples.

WESTERGO

838. Dongjum (Franekeradeel)

5 G 58

diam. 19 mm

Coll. Zijlstra (FM)

Zijlstra, 1993: No. 90

2.5.3.14. *Unique type*

Champlevé, but the fields between the arms of the cross are depressed.

WIJNALDUM (HARLINGEN)

839.

diam. 19.5 mm

Coll. Hasselt, 9321

2.5.3.15. *Unique type*

The cartwheel can also be interpreted as two crosses, upright and diagonal. The lines are engraved.

WESTERGO

840. Oosterbierum (Franekeradeel)

diam. 17.5 mm

Coll. Hasselt, 9261

2.5.4. *Subgroup of miscellaneous types in lead and/or pewter (one found also in bronze)*2.5.4.1. *Unique type*

The hinge attachment is missing; could this fragment in fact be part of a small equal-armed brooch (*cf.* Bos, 2005/06)?

WESTERGO

841. Oosterbierum (Franekeradeel)

5 G 38

diam. 12 mm

Coll. Zijlstra (FM), 23

2.5.4.2. *Unique type*

Lead predominates.

WESTERGO

842. Firdgum (Franekeradeel)

diam. 17 mm

Coll. Leistra

2.5.4.3. *Type with a cross in openwork*

The bronze specimen has a smooth rim; both lead-tin examples, in which tin dominates, conform to the prototype given. This type should probably be dated to the 10th-11th centuries, possibly also to the 12th century.

WIJNALDUM (HARLINGEN)

843.

5 G 71

bronze

diam. 21 mm

Coll. Zijlstra (FM), 362

OOSTERGO

844. Leeuwarden (Leeuwarden)

diam. 20 mm

Coll. Zijlstra (FM)

845. Leeuwarden (Leeuwarden)

diam. 20 mm

Coll. J. Henstra

2.5.4.4. *Unique type* Buckelfibel

Tin dominates. Frick (1992/93: 322) dates these brooches to the 10th-11th centuries.

OOSTERGO

846. Leeuwarden (Leeuwarden)

diam. 21.5 mm

Coll. J. Henstra

2.5.4.5. *Unique type*

Tin dominates. Like type 2.5.4.4, this is a later type of disc brooch.

OOSTERGO

847. Dokkum (Dongeradeel)

diam. 20.5 mm

Coll. Haak

2.5.4.6. *Unique type*

The back also shows a cross with four dots. Lead is the predominant component.

WESTERGO

848. Minnertsga (Het Bildt)
diam. 22.5 mm
Coll. Zijlstra (FM)

2.5.4.7. *Unique type*

Rouletted rim. Four half sunbursts form a cross, like the cells of type 2.5.1.1. Lead dominates. The features underlying the topsoil where this brooch was found can be dated between AD 850 and 900, an acceptable, if slightly early, dating for this brooch.

W '91-'93

849. WP XI, topsoil
diam. 23 mm
Coll. W '91-1717

2.5.4.8. *Unique type*

Lead dominates.

WESTERGO

850. Minnertsga (Het Bildt)
diam. 27 mm
Coll. G. van Dijk

2.5.4.9. *Unique type*

Tin predominates. This type does not belong here. It appears to be an imitation of the later decorative brooches consisting of a gold or silver Arab coin in a setting (Koers, *et al.*: 1990; Lanting & Molema, 1993/94). No further examples of this kind of brooch are included here; a catalogue is to be found in the publications referred to above. This type in a sense links group 2.5 with the next large group, that of the pseudo-coin brooches.

OOSTERGO

851. Dokkum (Dongeradeel)
diam 27 mm
Coll. Haak

2.6. *Group of pseudo-coin brooches*

This group of brooches is inspired by coins, or to be more precise, coins and pseudo-coins, as found in pendants in early medieval gold hoards. The Wieuwerd hoard, for instance, contains some pendants made from coins of the Austrasian king Chlotarius II (reigned 612-622); the brooches of subgroup 2.6.6 bearing the letters DOTA (< CLOTA) in the pseudo-legend are believed to be derived from these coins (Lafaurie, *et al.*: 1961), despite being almost 250 years younger. Most, but not all, pseudo-coin brooches have a single, double, triple or manyfold "setting" like their ancient examples. Sometimes even the circumference of the supposed coin is marked, although it is often hard to tell whether the goldsmith wanted to suggest a multiple setting, or a single setting and the outline of the supposed coin. Another important source of inspiration, and more contemporary, were the gold solidi of Louis the Pious (Frick, 1992/93: 307-320), witness the numerous specimens of the Frisian type 2.6.5.1. By all accounts, many of the types to be discussed seem to be degenerated derivatives of this once standard brooch (instantly recognizable, even before the dirt is removed). They revert to grooves and scratches to suggest a proper portrait (hair, crown and/or bust), and sometimes the mere presence of a setting seems to have sufficed. Another group, on the other hand, are very elaborate, with undecipherable legends. A number of examples of these are depicted, but no two are the same. In the catalogue all specimens are – succinctly – described. This group can be dated to the 9th-11th centuries, and form the best represented types among the 11th-century disc brooches; some apparently were still being worn in the 12th century. One particular pseudo-coin brooch from the 11th century will be found in the type with animal figures (2.7.4.3). The (pseudo-)coin brooches from a different and later tradition, otherwise omitted from this catalogue, were mentioned under 2.5.4.9. Pseudo-coin brooches appear in copper alloys, and in pewter. Unless stated otherwise, the individual finds are of bronze or some other copper alloy.

2.6.1. *Type with empty centre*

This type has a finely worked rim decorated with trails or sometimes dots, and a completely smooth and plain centre, as if an unstruck coin has been mounted into a setting.

WIJNALDUM (HARLINGEN)

852.

5 G 71

dots between two circles

diam. 25 mm

Coll. Zijlstra (FM)

Zijlstra, 1991: No. 63

OTHER FINDS FROM WESTERGO

853. Minnertsga (Het Bildt)

diam. 21 mm

Coll. G. van Dijk

854. Dongjum (Franekeradeel)

diam. 26 mm

Coll. Boonstra, 126

855. Peins-Slappeterp (Franekeradeel-Menaldumadeel)

beaded rim on the inside of a trail-decorated rim

diam. 26 mm

Coll. Zijlstra (FM)

856. Lollum (Wonseradeel)

Meerswal

diam. 27 mm

Coll. Suierveld

857. Pingjum area (Wonseradeel)

diam. 23 mm

Coll. Zijlstra (FM), 162

OOSTERGO

858. Anjum (Dongeradeel)

diam. 25 mm

Coll. Haak

859. Oosterbeintum (Ferwerderadeel)

diam. 22 mm

Coll. Zijlstra (FM), 599

2.6.2. *Subgroup with a plain, uneven centre*

The coin, or rather the head on the coin, is represented by a more or less distinct hump. No effort was made to improve the image after casting. No suggestion of a coin circumference or a legend.

2.6.2.1. *Type with a single beaded rim*

The ring of beading is mostly crude, but may be delicately made.

WIJNALDUM (HARLINGEN)

860. Not available

Coll. Zijlstra

Zijlstra, 1991: No. 61

OTHER FINDS FROM WESTERGO

861. Minnertsga (Het Bildt)

diam. 16 mm

Coll. Zijlstra (FM)

862. Bolsward (Bolsward)

diam. 16 mm

Coll. Haak

863. Achlum (Franekeradeel)

diam. 22 mm

Coll. Hasselt, 9306

864. Northwest of Franeker (Franekeradeel/Harlingen)

diam. 23.5 mm

Coll. Zijlstra (FM)

865. Probably Hitzum (Franekeradeel)

min. diam. 24.5 mm

Private collection

866. Ludingakerk (Franekeradeel)

diam. 25.5 mm

Coll. Harmsma

867. Oosterbierum (Franekeradeel)

diam. 24.5 mm

Coll. G. van Dijk

868. Oosterbierum (Franekeradeel)

abraded

diam. 16 mm

Coll. Zijlstra (FM)

869. Schalsum (Franekeradeel)

diam. 24 mm

Coll. Hasselt, 9305

870. Schalsum (Franekeradeel)

diam. 25 mm

Coll. Boonstra

871. Schalsum (Franekeradeel)

diam. 21.5 mm
Coll. Hasselt, 9267

872. Beetgum (Menaldumadeel)

5 H 24
diam. 24 mm
Coll. RAAP FB 5 H 24 AKM 1, No. 1

873. Slappeterp (Menaldumadeel)

5 H 13
diam. 18 mm
Coll. Zijlstra (FM)

874. Arum-Kimswerd (Wonseradeel)

diam. 22 mm
Coll. Halff

875. Northwestern Friesland

diam. 17.5 mm
Coll. Hasselt, 9262

OOSTERGO

876. Dongeradeel

diam. 25 mm
Coll. FM 1987-III-9

877. Nijkerk (Ferwerderadeel)

diam. 18 mm
Coll. J. Henstra

FRIESLAND

879.

diam. 14.5 mm
Coll. Zijlstra (FM)

2.6.2.2. Type with a double beaded rim

The inner ring on this type should perhaps be interpreted as marking the circumference of the supposed coin; one could also regard it as a sort of pseudo-legend. At any rate there is a difference between the inner and the outer beaded circle.

WESTERGO

880. Minnerstga (Het Bildt)

diam. 24 mm
Coll. Zijlstra (FM)

881. Oosterbierum (Franekeradeel)

very vague head
diam. 27 mm
Coll. Zijlstra (FM)

882. Beetgum (Menaldumadeel)

Besseburen
diam. 26 mm
Coll. Zijlstra (FM)

OOSTERGO

883. Morra (Dongeradeel)

diam. 26 mm
Coll. Haak

884. Wetzens (Dongeradeel)

Lutjewier
diam. 26 mm
Coll. Zijlstra (FM), 117

885. Hogebeintum (Ferwerderadeel)

barely a hump
diam. 23 mm
Coll. Wiersma

2.6.2.3. Type with a triple beaded rim

Again the inner ring may be interpreted differently. The features underlying the topsoil in which the excavation example was found, can be dated between AD 850 and 900, which will also be the dating for the brooch.

W '91-'93

886. Topsoil

diam. 28 mm
Coll. W '91-1904
Besteman *et al.*, 1992: 62

OTHER FINDS FROM WESTERGO

887. Peins (Franekeradeel)

diam. 33 mm
Coll. Boonstra

888. Northwestern Friesland

diam. 22 mm
Coll. Hasselt, 9312

OOSTERGO

889. Lioessens (Dongeradeel)
diam. 22 mm
Coll. Haak

2.6.3. *Subgroup of fragments and corroded/worn brooches*

The centre of the brooch is either missing or heavily corroded or abraded. Hence no further identification is possible.

2.6.3.1. *Type unidentified*

Probably a pseudo-coin brooch.

WESTERGO

890. Sexbierum (Franekeradeel)
Coll. Boonstra

2.6.3.2. *Type with a single beaded rim*

The excavated example, No. 891, can be dated contextually to between 800 and 900 AD.

W '91-'93

891. Topsoil
Coll. W '91-2789

WIJNALDUM (HARLINGEN)

892.
5 G 71
with circumference coin?
diam. 26 mm
Coll. Zijlstra (FM)
Zijlstra, 1991: No. 62

OTHER FINDS FROM WESTERGO

893. Ludingakerk (Franekeradeel)
diam. c. 23 mm
Coll. Harmsma

894. Probably Midlum (Harlingen)
min. diam. 19 mm
Coll. Boonstra

895. Beetgum (Menaldumadeel)
terp Besseburen
with coin circumference indicated
Coll. BAI

2.6.3.3. *Type with a multiple beaded rim*

WESTERGO

896. Oosterbierum (Franekeradeel)
lead-tin alloy
diam. 31 mm
Coll. G. van Dijk

897. Beetgum (Menaldumadeel)
terp Besseburen, trench 7
diam. 27 mm
Coll. temporarily BAI

898. Schingen (Menaldumadeel)
min. diam. 20 mm
Coll. Hasselt, 9256

899. Slappeterp (Menaldumadeel)
diam. 33 mm
Coll. Hasselt, 9331

900. Sneek area (Sneek)
the many small holes in the centre seem to have been caused by corrosion.
diam. 37.5 mm
Coll. Niemarkt, 8

901. Northwestern Friesland
min. diam. 24 mm
Coll. Harmsma

OOSTERGO

902. Hogebeintum (Ferwerderadeel)
min. diam. 33 mm
Coll. Wiersma

2.6.4. *Subgroup of abstracted busts*

There is no actual portrait, just a faint reference in the form of scratches or grooves.

2.6.4.1. *Type with a convex centre with marks representing a crown, hair or helmet. Single beaded rim*

No other ornaments. The context of excavation find

No. 903 suggests a date between 850 and 900; for No. 904 there is no supplementary dating evidence.

W '91-'93

903. WP XII, level 1

diam. 26 mm
Coll. W '91-1939
Besteman *et al.*, 1992: 62

904. WP XXII, level 2

diam. 17.5 mm
Coll. W '92-7497

WIJNALDUM (HARLINGEN)

905.

5 G 71
diam. 24.5 mm
Coll. Zijlstra (FM), 203
Zijlstra, 1991: No. 58

906. Crown very faint

diam. 25 mm
Coll. Zijlstra (FM), 45
Zijlstra, 1993: No. 114

OTHER FINDS FROM WESTERGO

907. Minnertsga (Het Bildt)

diam. 25 mm
Coll. Hasselt, 9299

908. Minnertsga (Het Bildt)

diam. 26 mm
Coll. Van der Veen

909. Oosterbierum (Franekeradeel)

diam. 18 mm
Coll. G. van Dijk

910. Oosterbierum (Franekeradeel)

might be of type 2.6.4.3
diam. 17 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 118

911. Ried (Franekeradeel)

diam. 18 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 119

912. Schalsum (Franekeradeel)

diam. 18 mm
Coll. Hasselt, 9288

913. Franekeradeel

diam. 16 mm
Coll. J. Henstra

914. Midlum (Harlingen)

diam. 18 mm
Coll. Boonstra, 40

915. Sneek (Sneek)

diam. 24 mm
Coll. Haak

OOSTERGO

916. Hogebeintum (Ferwerderadeel)

diam. 25 mm
Coll. Van der Veen

2.6.4.2. *The same type with multiple beaded rim*

WIJNALDUM (HARLINGEN)

917.

diam. 27 mm
Coll. Zijlstra (FM)
Zijlstra, 1990: No. 14g (see fig. 5)

OTHER FINDS FROM WESTERGO

918. Achlum (Franekeradeel)

diam. 31 mm
Coll. Halff

919. Oosterbierum (Franekeradeel)

diam. 25 mm
Coll. Hasselt, 9324

920. Slappeterp (Menaldumadeel)

fragment; the design may have been more elaborate
diam. 28 mm
Coll. Hasselt, 9268

2.6.4.3. *Type with "hair and bust." Single beaded or plain rim*

This type has scratches/grooves on opposing sides, suggesting on the one side hair, a crown or a helmet, on the other the clothes on a bust (*cf.* type 2.6.5.1).

Some brooches look like failed examples of 2.6.5.1, to which scratches were added later in the appropriate places.

WIJNALDUM (HARLINGEN)

921.

diam. 19 mm
Coll. Zijlstra (FM)

921a.

diam. 25 mm
Coll. Zijlstra (FM)
Zijlstra, 1990: No. 14f

OTHER FINDS FROM WESTERGO

922. Achlum (Franekeradeel)

diam. 20 mm
Coll. Hasselt, 9332

923. Firdgum (Franekeradeel)

diam. 17 mm
Coll. Leistra

924. Firdgum (Franekeradeel)

diam. 25 mm
Coll. Leistra

925. Oosterbierum (Franekeradeel)

diam. 27 mm
Coll. Hasselt, 9287

926. Pietersbierum (Franekeradeel)

diam. 17.5 mm
Coll. Zijlstra (FM), 730

927. Spannum (Littenseradiel)

diam. 24 mm
Coll. W. de Jonge

928. Menaldum (Menaldumadeel)

diam. 19 mm
Coll. Zijlstra (FM), 634

929. Northwestern Friesland

diam. 25.5 mm
Coll. Harmsma

930. Northwestern Friesland

diam. 19.5 mm
Coll. Harmsma

OOSTERGO

931. Anjum (Dongeradeel)

Jelsma
diam. 22 mm
Coll. Haak

932. Wetzens (Dongeradeel)

Lutjewier
diam. 26.5 mm
Coll. Zijlstra (FM), 125
Zijlstra, 1993: No. 112

933. Leeuwarden (Leeuwarden)

diam. 21 mm
Coll. Zijlstra (FM)

FRIESLAND

934.

diam. 19.5 mm
Coll. Zijlstra (FM)

2.6.4.4. *Type with "hair and bust", and multiple beaded rim*

WESTERGO

935. Tzummarum (Franekeradeel)

5 G 36
diam. 33.5 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 116 (see fig. 5)

2.6.4.5. *Type with degenerated set of scratches*

With this type, the scratches have become meaningless; the two sets of scratches practically touch each other. The hump has disappeared.

WESTERGO

936. Tzummarum (Franekeradeel)

5 G 35
diam. 19 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 120

937. Slappeterp (Menaldumadeel)

diam. 24 mm
Coll. J. Henstra

938. Northwestern Friesland

diam. 23 mm

Coll. Hasselt, 9320

2.6.5. Subgroup with head or bust but no (pseudo) legend or rim ornamentation**2.6.5.1. Type Louis the Pious**

This fine "portrait" brooch shows what people must have had in mind in making the scratches on the types of subgroup 2.6.4. It is fair to say that this brooch is itself a degenerate form of the earliest imitation Louis brooches, on which he still wears his crown rather than this kind of bathcap. In fact, it remains obscure whether this type is correctly named at all, but the designation took hold as more and more collections were handled. Apart from this, the type became so popular that one may assume that it served as one of the models inspiring the scratchers. At the beginning of this section it was noted how easy it is to recognize "a true 2.6.5.1". The derivatives (other types in subgroup 2.6.5) of course are quite varied, but the many specimens of type 2.6.5.1 are so similar in size, portrait, and execution, that one is tempted to think that they were actually struck somewhere, which would be a new development in brooch production. This, of course, remains speculation. More prozaically: the rim has some very slight onlying beading.

WIJNALDUM (HARLINGEN)

939. Not available

Coll. Zijlstra

Zijlstra, 1990: No. 14e

940. Not available

5 G 72

Coll. Zijlstra

Zijlstra, 1991: No. 57

941.

5 G 72 (I)

diam. 19 mm

Coll. RAAP FB 5 G 72 (I) AKM 2, No. 4

942.

5 G 71

diam. 19 mm

Coll. FM acquisition 27.3.1992

943.

diam. 19 mm

Coll. Zijlstra (FM)

944.

5 G 71

diam. 18.5 mm

Coll. Zijlstra (FM)

Prob. Zijlstra, 1991: No. 59

945.

diam. 18 mm

Coll. Zijlstra (FM), 350

Prob. Zijlstra, 1991: No. 60

OTHER FINDS FROM WESTERGO

946. Minnertsga (Het Bildt)

5 G 28

diam. 20 mm

Coll. P. van Dijk

947. Minnertsga (Het Bildt)

5 G 25

diam. 19 mm

Coll. P. van Dijk

948. Minnertsga (Het Bildt)

diam. 19 mm

Coll. Zijlstra (FM)

949. Minnertsga (Het Bildt)

diam. 18.5 mm

Coll. Zijlstra (FM)

950. Minnertsga (Het Bildt)

diam. 19 mm

Coll. Zijlstra (FM)

951. Minnertsga (Het Bildt)

not available

Coll. Zijlstra

Zijlstra, 1993: No. 117

952. Bolsward (Bolsward)

Fugelkritte

diam. 19 mm

Coll. Koning

953. Dongjum (Franekeradeel)

diam. 19.5 mm

Coll. Hasselt, 9392

954. Dongjum (Franekeradeel)

165.82/580.52

diam. 19 mm

Coll. Okel

- 955. Dongjum** (Franekeradeel)
identification not certain; the original was not accessible
diam. 20 mm?
Coll. W. de Jonge
- 956. Firdgum** (Franekeradeel)
abraded; identification uncertain
diam. 19 mm
Coll. Leistra
- 957. Firdgum** (Franekeradeel)
diam. 19 mm
Coll. Leistra
- 958. Oosterbierum** (Franekeradeel)
diam. 19.5 mm
Coll. Hasselt, 9304
- 959. Oosterbierum** (Franekeradeel)
diam. 19 mm
Coll. G. van Dijk
- 960. Oosterbierum** (Franekeradeel)
corroded
diam. 19.5 mm
Coll. G. van Dijk
- 961. Oosterbierum** (Franekeradeel)
identification not certain; corroded
diam. 19 mm
Coll. G. van Dijk
- 962. Oosterbierum** (Franekeradeel)
diam. 19 mm
Coll. G. van Dijk
- 963. Oosterbierum** (Franekeradeel)
diam. 19.5 mm
Coll. G. van Dijk
- 964. Oosterbierum** (Franekeradeel)
identification not certain
diam. 18 mm
Private collection
- 965. Pietersbierum** (Franekeradeel)
diam. 19 mm
Coll. Hasselt, 9254
- 966. Pietersbierum** (Franekeradeel)
diam. 19.5 mm
Coll. Zijlstra (FM), 730
- 967. Schalsum** (Franekeradeel)
diam. 19.5 mm
Coll. Hasselt, 9291
- 968. Franekeradeel**
diam. 18 mm
Coll. J. Henstra
- 969. Franekeradeel**
diam. 18 mm
Coll. J. Henstra
- 970. Franekeradeel**
identification not certain
diam. 17 mm
Coll. J. Henstra
- 971. Jorwerd** (Littenseradiel)
western part of the levelled village *terp*
identification not certain; the original was not accessible
diam. 19 mm
Coll. J. Koning
- 972. Welsrijp** (Littenseradiel)
diam. 19 mm
Coll. Hasselt, 9258
- 973. Wommels area** (Littenseradiel)
diam. 19 mm
Coll. Galama
- 974. Berlikum** (Menaldum)
diam. 19.5 mm
Coll. Zijlstra (FM)
- 975. North of Menaldum** (Menaldumadeel)
5 H 19
diam. 20 mm
Coll. RAAP FB 5 H 19 AKM 1, No. 1
- 976. Schingen** (Menaldumadeel)
diam. 20 mm
Coll. Hasselt, 9329
- 977. Slappeterp** (Menaldumadeel)
diam. 20 mm
Coll. Zijlstra (FM)
- 978. Makkum-Noord** (Wonseradeel)
identification not certain; the original was not available
diam. 20 mm
Coll. W. de Jonge

979. Pingjum (Wonseradeel)

diam. 19 mm

Coll. Half

980. Northwestern Friesland

diam. 19 mm

Coll. Harmsma

981. Northwestern Friesland

diam. 19.5 mm

Coll. Harmsma

982. Northwestern Friesland

corroded, but identification almost certain

diam. 19 mm

Coll. Harmsma

983. Northwestern Friesland

corroded, but identification almost certain

diam. 20.5 mm

OOSTERGO

984. Warga (Boarnsterhim)

diam. 19.5 mm

Coll. Zijlstra (FM), 635

985. Wetzens (Dongeradeel)

Lutjewier

rim relatively pronounced

diam. 20 mm

Coll. Zijlstra (FM), 121

986. Hogebeintum (Ferwerderadeel)

diam. 19 mm

Coll. Bloem

987. From redeposited *terp* soil in the Bergum area (Tietjerksteradiel)

diam. 19 mm

Coll. Van der Meer

988. From redeposited *terp* soil in Oostermeer (Tietjerksteradeel)

diam. 18 mm

Coll. Haak

2.6.5.2. *The same type with single beaded rim*

The very slight onlying beaded rim of 2.6.5.1 is here replaced by a single, rather pronounced, beaded rim. The bust is practically identical to the former; slight

variations in the striping of the “cap” may occur. On a special example from Lollum, the circumference of the “coin” can also be seen. This piece also happens to be the only gilded disc brooch from Friesland encountered in this study.

WIJNALDUM (HARLINGEN)

989.

diam. 20 mm

Coll. Zijlstra

OTHER FINDS FROM WESTERGO

990. Minnertsga (Het Bildt)

diam. 19.5 mm

Coll. Zijlstra (FM)

991. Franekeradeel

diam. 19 mm

Coll. J. Henstra

992. Lollum (Wonseradeel)

Meerswal

slightly saucer-shaped; front gilded

diam. 23 mm

Coll. Suierveld

OOSTERGO

993. Blija/Hogebeintum (Ferwerderadeel)

diam. 20 mm

Private collection

FRIESLAND

994.

diam. 20 mm

Coll. Zijlstra (FM)

2.6.5.3. *The same type with multiple beaded rim*

WIJNALDUM (HARLINGEN)

995.

5G 70

double beaded rim

diam. 24 mm

Coll. RAAP F 5 G 70 AKM 2, No. 1

OTHER FINDS FROM WESTERGO

996. Marssum (Menaldumadeel)

Franjeburen
double braided rim
diam. 23 mm
Coll. Zijlstra

OOSTERGO

997. Anjum (Dongeradeel)

double beaded rim; poorly executed
diam. 22 mm
Coll. Haak

2.6.5.4. *Unique type*

Single beaded rim. Lead-tin alloy.

OOSTERGO

998. Niawier (Dongeradeel)

diam. 23 mm
Coll. Wiersma

2.6.5.5. *Unique type*

Double dotted rim. The only type with a head shown frontally.

OOSTERGO

999. Ferwerd (Ferwerderadeel)

diam. 22 mm
Coll. Bloem

2.6.5.6. *Type with "helmeted" bust, including one forgery*

Beaded rim and within it a coin outline. This type presents the only clear case of a modern forgery within the category of disc brooches. This fact became apparent as many collections were studied simultaneously. The forgery is the only silvery disc brooch in this catalogue (No. 1000); it proved to be a recent cast made of brooch No. 1001. Even all corrosion spots are exactly identical. Neither the original nor the cast are any longer owned by the "finders"; both come from a trading and exchange circuit among detector amateurs. The origin of the cast, which had been sold with Bolsward (Bolsward) as its provenance, could not be established. The purpose of the forgery must have been financial gain, as it was sold for a considerable sum of mo-

ney. Since the forgery was spotted and partly traced, it can now be stated that Friesland has so far yielded no known examples of silver disc brooches in the strict sense (*cf.*, however, type 2.5.3.7 and subgroup 2.6.8), and only one gilded example (No. 992, above). On this point disc brooches differ from the contemporaneous small equal-armed brooches (Bos, 2005/06b). A few gold disc brooches are known from Friesland, but for various reasons these are kept for a separate study.

WESTERGO

1000. Therefore NOT Bolsward (Bolsward)

silvery; recent forgery
diam. 27 mm
Coll. Hasselt, 9285

OOSTERGO

1001. From redeposited *terp* soil at De Knijpe (Heerenveen)

diam. 27 mm
Coll. Haak

1002. From redeposited *terp* soil near Tietjerk (Tietjerksteradeel)

diam. 27 mm
Coll. Van der Veen

2.6.6. *Subgroup of types with legends or pseudo-legends*

This subgroup is very heterogeneous; no two brooches are quite the same. Some general prototypes are presented. While some legends have degenerated to scratches or blocks, several examples have pseudo-legends that include convincing letters; only one example, found during the excavation at Wijnaldum, has a fully legible legend (No. 1014). Not by chance, this legend runs "Ludovicus rex" (king Louis; note that it is not Ludovicus imperator). Most brooches are cast either in bronze or in lead-tin alloy; some double-sided examples are made of double foil, as if bronze sheet had been pressed into or onto a mould. If not stated otherwise, the brooches are made of bronze or some other copper alloy.

2.6.6.1. *Types with single beaded or plain rim*

Each example is succinctly described individually. Giving the finds separate type numbers seemed superfluous.

WESTERGO

1003. Minnertsga (Het Bildt)

pseudo-legend around bust like that of 2.6.5.1
diam. 25.5 mm
Coll. Zijlstra (FM), 828

1004. Minnertsga (Het Bildt)

head-shaped hump, pseudo-legend including a “+”
not available
diam. c. 22 mm
Coll. Zijlstra
Zijlstra, 1993: No. 108

1005. Oosterbierum (Franekeradeel)

fragment
head with hair or a helmet; pseudo-legend
diam. 26 mm.
Coll. Hasselt, 9278

1006. Pietersbierum (Franekeradeel)

5 G 47
made out of two layers of bronze foil; both sides
have the same image; provided with clips; crowned
head within a delicately beaded rim, surrounded by
a legend containing correct lettering, allegedly a
“true” Louis the Pious brooch
diam. 29 mm
Coll. Zijlstra, 683
Zijlstra, 1993: No.109

1007. Sexbierum (Franekeradeel)

lead, iron pin
damaged; a laborious depiction (bust?); pseudo-
legend
diam. 25 mm
Coll. Hasselt, 9295

1008. Midlum (Harlingen)

lead; damaged; bust with pseudo-legend
diam. 25 mm
Coll. Hasselt, 9298

1009. Wommels area (Littenseradiel)

head with pseudo-legend
diam. 26 mm
Coll. Galama

1010. Menaldum (Menaldumadeel)

pseudo-legend around a bust like that of 2.6.5.1
diam. 26 mm
Coll. Zijlstra (FM), 796

1011. Sneek area (Sneek)

hump with a pseudo-legend
diam. 28 mm
Coll. J. Henstra

OOSTERGO

1012. Irnsum (Boarnsterhim)

beaded rim; bust or bird?
diam. 33 mm
Coll. FM 43-11

1013. Wetzens (Dongeradeel)

Lutjewier
not available
bust with pseudo-legend
Coll. Zijlstra
Zijlstra, 1993: No. 111

2.6.6.2. *Types with multiple beaded or plain rim*

No. 1014, from the Wijnaldum excavation, was found
in a context that suggests a deposition date between
AD 850 and 900; No. 1015 can be dated between 800
and 900.

W ‘91-’93

1014. WP XI, topsoil

lead-tin alloy
detailed crowned head, surrounded by the legend
“LVDOVICVS REX”
diam. 29 mm
Coll. W ‘91-1795

1015. WP IX, topsoil

lead-tin alloy; bronze foil; fragment; empty central
field; nimbus-like pseudo-legend
diam. c. 35 mm
Coll. W ‘91-1795

WIJNALDUM (HARLINGEN)

1016.

5 G 71
lead-tin alloy
vague head; nimbus-like pseudo-legend
diam. 32 mm
Coll. Zijlstra (FM), 46

OTHER FINDS FROM WESTERGO

1017. Minnertsqa (Het Bildt)

not available

lead-tin

head; pseudo-legend containing a “+”

diam. c. 33 mm

Coll. Zijlstra

Zijlstra, 1993: No. 110

1018. Dongjum (Franekeradeel)

165.82/580,52

pressed bronze foil

detailed head; pseudo-legend with proper letters and Latin cross

diam. 27.5 mm

Coll. Okel

1019. Oosterbierum (Franekeradeel)

hump with scratched hair and body; pseudo-legend

diam. 29 mm.

Coll. Zijlstra (FM) prob. Zijlstra, 1993: No. 115 (where a cross on the back is mentioned, which is now not apparent)

1020. Tzummarum (Franekeradeel)

not available

detailed head; legend with proper letters, including “DOTA”

diam c. 38 mm

Coll. Zijlstra

Zijlstra, 1993: No. 106

1021. Midlum (Harlingen)

crowned hump; pseudo-legend

diam. 31 mm

Coll. Harmsma

1022. Winsum (Littenseradiel)

Bruggeburen

detailed head; pseudo-legend

diam. 31 mm

Coll. FM-53-233

Boeles 1951, pl. XLI-10

1023. Pingjum (Wonseradeel)*Riegeterp*

two-sided; on the front a detailed head with a pseudo-legend containing a “+”; on the back, a chapel-like building and a cross

diam. 31.5 mm

Coll. Zijlstra, 106

Zijlstra, 1993: No. 107

1024. Northwestern Friesland

corroded; head with legend or pseudo-legend

diam. 27.5 mm

Coll. Harmsma

OOSTERGO

1025. Finkum (Leeuwarderadeel)

bust, pseudo-legend containing the letters ‘DOTA’

diam. 38 mm

Coll. FM-24-125

Zadoks, 1962: 76

2.6.7. *Subgroup of affiliated disc brooches*

The following three types are not pseudo-coin brooches proper, but they are made in the same tradition, having the same framed appearance.

2.6.7.1. *Unique type with cartwheel and multiple beaded rim*

OOSTERGO

1026. Beetsterzwaag (Opsterland)

lead-tin alloy

diam. 28 mm

Coll. Hasselt, 9255

2.6.7.2. *Unique type with a Jerusalem cross and multiple beaded rim*

The fragmentary condition of this find does not allow a proper drawing to be made. It was made from sheet bronze.

WESTERGO

1027. Dongjum (Franekeradeel)

165.17/580.15

diam. 22 mm

Coll. Okel

2.6.7.3. *Unique type with central “star” (created by a zigzag line around plain centre) and multiple beaded rim*

OOSTERGO

1028. Leeuwarden (Leeuwarden)

diam. 24 mm

Coll. J. Henstra

2.6.8. *Pseudo-coin in a true setting*

This is the only Frisian example of a pseudo-coin mounted in a proper setting as a brooch; this phenomenon is otherwise known only from pendants such as those in the Wieuwerd hoard. The brooch is at present somewhat saucer-like. Its decoration seems to be derived from early 7th-century Frankish coins on which the torso of the bust is represented by dots, as on the Madelinus coins (*cf.* Pol, 1999: 219). The brooch is of silver, with traces of gilding and with a bronze hinge attachment. It is the only genuine disc-brooch-like ornament made of silver presented in this paper. It is, however, debatable whether this type should be considered a disc brooch at all.

It is interesting to note that so far no real coins made into brooches have been found, whereas quite a few pseudo-coin brooches were worn, as is clear from the present paper. Real coins do appear in pendants, such as the pendant (with a beaded rim!) made from an Arab dirhem that was found in the excavation at Wijnaldum (Pol, 1999: 222).

WESTERGO

1029. Peins (Franekeradeel)

168.82/580.05
diam. 17.5 mm
Coll. Okel

2.7. *Group with human or animal figures*

This group should be distinguished from the zoomorphic brooches. Some brooches that might be classified in this group are to be found in section 2.12 (Miscellaneous); their classification is debatable. A large group of coin-like brooches with human heads or busts, lastly, has been dealt with in section 2.6. Unless stated otherwise, the brooches again are made of bronze or some other copper alloy.

2.7.1. *Subgroup of Heiligenfibeln*

In sorting this subgroup, Frick's classification (Frick, 1992/93: 287–296) has been largely followed, adding the "typically Frisian" types. The dating of this subgroup by Frick and Wamers partly overlaps, in so far as they agree on the 9th century as being part of the range; probably the late 8th and the 10th centuries should be added. Of the 38 examples found in Friesland, none were recovered in primary contexts in Oostergo.

2.7.1.1. *Type Heiligenfibel in Zellenschmelz*

Frick's Type 1. Unparalleled in Friesland. The figure of a saint or Christ is not dismembered as in all other types. Unfortunately no drawing by J.M. Smit can be shown, as the original is temporarily inaccessible. An impression is given by Zijlstra (1993: No. 121), here reproduced in fig 5.

WESTERGO

1030. Ried (Franekeradeel)

dimensions similar to those of most other (larger) types
Coll. Zijlstra
Zijlstra, 1993: No. 121

2.7.1.2. *Frick type 2, version 1*

A champlevé brooch with a saint in Grubenschmelz technique. Most are enamelled with red and white enamel (both sacred colours). This type is characterized by the absence of a base line, and the presence of a nimbus, two crescentic "eyes", a mouth (sometimes connected to the eyes), a pallium (a splayed "V"/"Y"), and articulated arms or shoulders. The features underlying the topsoil in which the excavation specimen was found, can be dated between AD 450 and 500; hence there can be no relation.

W '91-'93

1031. WP XVIII, topsoil

fragment
Coll. W '91-2722

WIJNALDUM (HARLINGEN)

1032.

5 G 71
diam. c. 23 mm
Coll. Zijlstra (FM)
Zijlstra, 1991: No. 49

OTHER FINDS FROM WESTERGO

1033. Minnertsga (Het Bildt)

diam. 25 mm
Coll. Zijlstra (FM)

1034. Franeker (Franekeradeel)

Salverd
diam. 23 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 123

1035. Hatsum (Franekeradeel)

corroded; identification to type uncertain
diam. 24.5 mm
Coll. Harmsma

1036. Hatsum (Franekeradeel)

diam. 24 mm
Coll. Harmsma

1037. Peins-Slappeterp (Franekeradeel-Menaldumadeel)

diam. 25 mm
Coll. Zijlstra (FM), 911

1038. Hijlaard (Littenseradiel)

temporarily not available for measurement
Coll. Zijlstra
Zijlstra, 1993: No. 122

1039. Dronrijp (Menaldumadeel)

5 H 65bis
diam. 25 mm
Coll. Zijlstra (FM), 616

1040. Marssum (Menaldumadeel)

diam. 23 mm
Coll. Zijlstra (FM)

1041. Slappeterp (Menaldumadeel)

diam. 26 mm
Coll. Hasselt, 9319

1042. Pingjum (Wonseradeel)

diam. 28.5 mm
Coll. Zijlstra (FM), 905

1043. Pingjum area (Wonseradeel)

diam. 22.5 mm
Coll. Zijlstra (FM), 518

FRIESLAND

1044.

diam. 26 mm
Coll. Zijlstra (FM)

2.7.1.3. *The same type, with additions*

Added are a cross to the left, and to the right a capital alpha or omega. Two variants are depicted.

WESTERGO

1045. Pietersbierum (Franekeradeel)

5 G 47
red and pale-coloured enamel
diam. 24.5 mm
Coll. Zijlstra, 682
Zijlstra, 1992: No. 36

1046. Red enamel

diam. 24 mm
Coll. FM 1423A
Boeles 1951, p. 458, fig. 81-5

2.7.1.4. *Simple "Frisian" type*

Type with a base line, which in most cases rises somewhat in the middle. The saint is suggested by a nimbus, two crescentic eyes, a dot for a body/the pallium, with an arm or shoulder on either side. Mostly champlevé, mostly monochromatic. Frick's Type 2, version 2. He sees this type as a typical product of the Frisian North Sea shores. The features underlying the topsoil in which the excavation specimen was found, can be dated between AD 850 and 900, which matches the dating by Wamers (1994: 594), but is slightly later than that given by Frick (1992/93: 296), viz. late 8th century and first half of the 9th century.

W '91-'93

1047. WP X, topsoil

red enamel
diam. 21 mm
Coll. W '91-2022

WIJNALDUM (HARLINGEN)

1048.

5 G 69
temporarily not available for measurement
Coll. Zijlstra
Zijlstra, 1991: No. 47

1049. Pale-coloured enamel

diam. 20.5 mm
Coll. G. van Dijk

1050.

5 G 71

serrated rim; pale-coloured enamel
diam. 23 mm

Coll. Zijlstra, 201

Zijlstra, 1991: No. 48

OTHER FINDS FROM WESTERGO

1051. Achlum (Franekeradeel)*terp* Groot Ludum

red enamel

diam. 22 mm

Coll. FM 78c-117

Haseloff, 1990: 95

1052. Dongjum (Franekeradeel)

5 G 60

somewhat angular; red enamel

diam. 22.5 mm

Coll. Zijlstra (FM)

Zijlstra, 1993: No. 125

1053. Berlikum (Menaldumadeel)

red enamel

diam. 19 mm

Private collection

1054. Pingjum (Wonseradeel)

not champlévé; red enamel

diam. 18 mm

Coll. Boonstra

1055. Pingjum (Wonseradeel)

red enamel

diam. 21 mm

Coll. Boonstra

1056. Pingjum area (Wonseradeel)

red enamel

diam. 19 mm

Coll. Zijlstra (FM), 183

OOSTERGO

1057. From *terp* soil redeposited in the Bergum area (Tietjerksteradeel)

pale-coloured and red enamel; corroded; identification to type not certain

diam. 24 mm

Coll. Streekmuseum Tytsjerksteradiel, ST 1990-X-08

2.7.1.5. *The same type, with a pallium dot*

An enamel dot is added between the "eyes" and the nimbus. Red and pale-coloured enamel

WESTERGO

1058. Berlikum (Menaldumadeel)

diam. 20 mm

Coll. Zijlstra (FM), 305

Zijlstra, 1993: No. 124 (see fig. 5)

2.7.1.6. *Same type as 2.7.1.4, but without a torso/pallium*

WIJNALDUM (HARLINGEN)

1059.

5 G 70

red enamel

diam. 20 mm

Coll. Zijlstra (FM), 368

Zijlstra, 1991: No. 46

OTHER FINDS FROM WESTERGO

1060. Achlum (Franekeradeel)*terp* Groot Ludum

diam. 24.5 mm

Coll. FM 74c-308

Haseloff, 1990: 95

1061. Slappeterp (Menaldumadeel)

5 H 12

diam. 19 mm

Coll. Zijlstra (FM), 266

1062. Pingjum (Wonseradeel)

fragment showing base line, shoulder, eye and nimbus

diam. 23 mm

Coll. Boonstra

2.7.1.7. *Unique type with a base line*

Type showing a more detailed body, in red and pale-coloured enamel. The features underlying the topsoil in which No. 1063 was found can be dated between AD 425 and 550, which is useless for dating the brooch.

W '91-'93

1063. WP XXX, topsoil

diam. 26 mm

Coll. W '92-7467

2.7.1.8. *Type with a three-armed cross*

This is a brooch, in *Grubenschmelz* technique, that causes problems when it comes to categorization. Does it represent an ypsilon cross with additions, or is the motif derived from a "saint"? It is here presented amongst the saints, with strong reservations.

WESTERGO

1064. Pingjum (Wonseradeel)

Riegeterpen

diam. 22.5 mm

Coll. Zijlstra (FM), 61

Zijlstra, 1993: No. 87 (see fig. 5)

2.7.1.9. *Heiligenfibel, type unidentifiable*

Probable *Heiligenfibeln*, too corroded or incomplete for further identification. The contextual dating of the features underlying excavation find No. 1063 can be put between AD 750 and 800, which conforms to Frick, but is rather early considering that this is the deposition date.

W '91-'93

1065. WP XXI, topsoil

red enamel

fragment

Coll. W '92-5491

WIJNALDUM (HARLINGEN)

1066. Fragment

diam. 29.5 mm

Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

1067. Northwestern Friesland

abraded

diam. 20.5 mm

Coll. Hasselt, 9263

2.7.2. *Subgroup with other human figures*

2.7.2.1. *Type with staff-bearing saint*

Lead.

WESTERGO

1068. Minnertsga (Het Bildt)

bottom half undecipherable

diam. 23 mm

Coll. Hasselt, 9249

2.7.2.2. *Type with probably a head of Christ*

Lead-tin alloy. Multiple beaded rim. It is not impossible that further research may show this object to be a pseudo-coin brooch. Zijlstra suggests that this depiction of Christ goes back to Byzantine coins of c. 1,000.

WESTERGO

1069. Bolsward (Bolsward)

incomplete

diam. 28 mm

Coll. Zijlstra (FM)

Zijlstra, 1994: No. 71

2.7.2.3. *Type with half-length in attitude of benediction*

No details are shown – just the contours, in some cases possibly supplemented with a hairline or nimbus. The features underlying the topsoil in which the excavation example was found can be dated to between AD 775 and 850.

W '91-'93

1070. Topsoil WP XIII

diam. 21 mm

Coll. W '91-2106

WIJNALDUM (HARLINGEN)

1071. Temporarily not available for measurement

Coll. Zijlstra

Zijlstra, 1993: No. 133

1072.

5 G 71

with nimbus?

temporarily not available for measurement

Coll. Zijlstra

Zijlstra, 1991: No. 50

OTHER FINDS FROM WESTERGO

1073. Tzummarum (Franekeradeel)

diam. 21 mm

Coll. Zijlstra (FM)

Zijlstra, 1991: 10

OOSTERGO

1074. From redeposited terp soil in the Oostermeer area (Tietjerksteradeel)

with nimbus?

diam. 21 mm

Coll. Haak

2.7.2.4. *Type with spread-eagled figure*

WIJNALDUM (HARLINGEN)

1075.

5 G 69

diam. 16 mm

Coll. RAAP FB 5 G 69 AKM 2, No. 1

OTHER FINDS FROM WESTERGO

1076. Midlum (Harlingen)

diam. 17.5 mm

Coll. Harmsma

1077. Midlum (Harlingen)

diam. 16 mm

Coll. J. Henstra

1078. Pingjum (Wonseradeel)

temporarily not available for measurement

Coll. Zijlstra

Zijlstra, 1993: No. 132

2.7.2.5. *Type with running figure*

It is not clear to the author how to interpret the motif; is it perhaps a running figure, a bird, or a three-legged animal? In view of this problem, it was decided to present all three finds as illustrations; No. 1081, on the

right, may prove to be useful for a future prototypical drawing. The presence of enamel is doubtful.

WIJNALDUM (HARLINGEN)

1079.

diam. 14 mm

Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

1080. Pingjum (Wonseradeel)

diam. 14 mm

Coll. Halff

1081. Hogebeintum (Ferwerderadeel)

diam. 15 mm

Coll. Bloem

2.7.2.6. *Type with horseman*

The first impression is of a centaur, but closer inspection proves it to be a figure on horseback, with arms raised.

WESTERGO

1082. Midlum (Harlingen)

identification uncertain; incomplete

diam. 22.5 mm

Coll. Harmsma

1083. Pingjum (Wonseradeel)*Riegeterp*

diam. 24 mm

Coll. Zijlstra, 475

Zijlstra, 1993: No. 127

2.7.3. *Subgroup with animal figures on Emailscheibenfibeln*2.7.3.1. *Type with quadruped looking back*

Champlevé brooch with enamel; plain rim. A quadruped is depicted, looking back and with its tail lifted. Many variations occur, including a quadruped with what is probably a staff, but it is debatable whether in all instances an Agnus Dei was intended. Looking at the examples given as illustrations, one wonders whether even the designer knew what the brooch was meant to show. Type 2.7.4.3 presents no such problem.

WIJNALDUM (HARLINGEN)

1084.

5 G 72 (I)

enamelled?

diam. 23.5 mm

Coll. RAAP FB 5 G 72 (I) AKM 2, No. 1

1085. 160.90/578.90

could well be a different animal motif

diam. 22 mm

Coll. Okel

1086. Temporarily not available for measurement

Coll. Zijlstra

Zijlstra, 1990: No. 14c

OTHER FINDS FROM WESTERGO

1087. Dongjum (Franekeradeel)

temporarily not available

Coll. FM

De Vrije Fries 69 (1989), p. 155**1088. Dongjum** (Franekeradeel)

red enamel

diam. 24 mm

Coll. Harmsma

1089. Dongjum (Franekeradeel)

not available

it is possible that Nos 1087 and 1089 are in fact one and the same

Coll. Boonstra; lost while at the FM

1090. Lidlum (Franekeradeel)

Kloosterterp

temporarily not available for measurement

Coll. Zijlstra

Zijlstra, 1993: No. 129

1091. Peins-Slappeterp (Franekeradeel-Menaldumadeel)

enamelled?

diam. 27 mm

Coll. Zijlstra (FM)

Zijlstra, 1993: No. 128

1092. Ried (Franekeradeel)with a staff, like an *Agnus Dei*

diam. 34 mm

Coll. Hasselt, 9290

1093. Schalsum (Franekeradeel)

diam. 18 mm

Coll. Hasselt, 9270

1094. Pingjum (Wonseradeel)*Riegeterpen*

diam. 20 mm

Coll. Zijlstra (FM), 59

Zijlstra, 1993: No. 130

OOSTERGO

1095. Holwerd (Dongeradeel)with a staff, like an *Agnus Dei*

diam. 31 mm

Coll. S. de Boer

2.7.3.2. *Type with unidentifiable figure*

Grubenschmelz technique. The iconography poses problems; it is unlikely to represent the octopus that it resembles. Is it perhaps a figure in a cloak?

WIJNALDUM (HARLINGEN)

1096.

5 G 71

diam. 22 mm

Coll. Zijlstra (FM), 114

Zijlstra, 1990: No. 14b

2.7.3.3. *Type with unidentifiable figure*

The iconography fails to suggest an interpretation to the author, who hesitates to label everything as an *Agnus Dei*. Champlevé. *Grubenschmelz* technique.

WESTERGO

1097. Pingjum (Wonseradeel)

diam. 19.5 mm

Coll. Zijlstra (FM)

2.7.4. *Subgroup with other animal figures, not enamelled*2.7.4.1. *Type with bird*

A type with a bird motif, if it is a bird, and not a human. The brooch gives the impression of being an early example.

WESTERGO

1098. Achlum (Franekeradeel)

Kerkterp, 161.45/573.44

diam. 20 mm

Coll. FM 1989-V-7

2.7.4.2. *Type with Agnus Dei*

No staff is visible, but the combination of a quadruped and a cross is an obvious pointer. Another example, in the collection of G. van Dijk, was found at Zoutkamp, just across the Groningen border.

WESTERGO

1099. Pingjum (Wonseradeel)

diam. 16 mm

Coll. Zijlstra (FM)

1100. Pingjum (Wonseradeel)*Riegeterp*

diam. 17 mm

Coll. Zijlstra (FM). 476

Zijlstra, 1993: No. 131

1101. Pingjum (Wonseradeel)*Riegeterpen*

diam. 17 mm

Coll. Zijlstra (FM), 62

2.7.4.3. *Type with Agnus Dei looking back* (pseudo-coin brooch)

Although this brooch is presented here because of the iconography, it is in fact a pseudo-coin brooch, inspired by English originals (Frick, 1992/93: 316). The date given for this type of brooch is the first quarter of the 11th century.

Lead-tin alloy.

OOSTERGO

1102. Wijtgaard (Leeuwarden)

diam. 24 mm

Coll. J. Henstra

2.7.4.4. *Type with lion and prey*

WESTERGO

1103. Slappeterp (Menaldumadeel)

diam. 35 mm

Coll. J. Henstra

2.7.4.5. *Type with quadruped/Agnus Dei and staff, in openwork*

The ornament, which also appears on other objects, normally consists of three to five holes separating an animal's legs, and four holes in a square behind the head, thus leaving a cross. The animal itself is shown (if at all) in relief. It is in fact the same *Agnus Dei* motif as seen on some of the enamelled examples of type 2.7.3.1. The example from the excavation comes from the ploughed topsoil, in an area where features were dated between AD 770 and 900.

W '91-'93

1104. WP II, level 2

diam. 13.5 mm

Coll. W '91-92

OOSTERGO

1105. Oosterbeintum (Ferwerderadeel)

min. diam. 20 mm

Coll. Zijlstra (FM)

2.7.4.6. *Type not available for study (with long-tailed animal)*

Unfortunately, the original of this brooch was not available for study. A sketch was published by Zijlstra (1993: No. 126; 2003: No. 69), here reproduced in figure 5. Tin. A hare-like animal (but with a long, squirrel-like tail) in very pronounced relief, within a beaded rim (fig. 5).

WESTERGO

1106. Oosterbierum (Franekeradeel)

temporarily not available

Coll. Zijlstra

Zijlstra, 1993: No. 126

2.8. *Disc brooches of unidentifiable types*

Mostly, no identifying characteristics can be distinguished; the brooches are too abraded, corroded or fragmented. This group is presented for the sake of completeness. No. 1007 has a contextual dating, not surprisingly, between AD 800 and 900, and No. 1108 between 800 and 850; No. 1109 was found in a recent drain.

W '91-'93

1107. WP VI, level 2

round?

fragment

Coll. W '91-470

1108. 150.20 m/ 80.20 mm, topsoil

fragment

Coll. W '91-985

1109. WP XXXIV, level 3

diam. 20.5 mm

Coll. W '93-9164

WIJNALDUM (HARLINGEN)

1110.

5 G 72

fragment

Coll. RAAP FB 5 G 72 II AKM 1, No. 7

1111.

diam. 20.5 mm

Coll. Boonstra, 104

OTHER FINDS FROM WESTERGO

1112. Dongjum (Franekeradeel)

5 G 164.24/579.96

a disc brooch or headplate of a small-long brooch?

diam. c. 15 mm

Coll. FM 1987-I-10

1113. Dongjum (Franekeradeel)

5 G 163.04/579.82

fragment

Coll. FM 1986-X-10

1114. prob. Hitzum (Franekeradeel)

fragment

Private collection

1115. Hitzum (Franekeradeel)

Sopsum

diam. 25 mm

Coll. Suierveld

1116. Oosterbierum (Franekeradeel)

diam. 16 mm

Coll. G. van Dijk

1117. Oosterbierum (Franekeradeel)

diam. 20 mm

Coll. G. van Dijk

1118. Tzummarum (Franekeradeel)

diam. 16 mm

Coll. Boonstra

1119. Franekeradeel

four dimples faintly discernable

diam. 19 mm

Coll. J. Henstra

1120. Midlum (Harlingen)

diam. 19 mm

Coll. Boonstra

1121. Midlum (Harlingen)

diam. 26 mm

Coll. Halff

1122. North of Menaldum (Menaldumadeel)

5 H 19

diam. 18 mm

Coll. RAAP FB 5 H 19 AKM, No. 2

1123. Slappeterp (Menaldumadeel)

"terp 91"

traces of enamel; original not available for study

diam. 16 mm

Coll. W. de Jonge

1124. Offingawier (Sneek)

original not available for study

diam. 18 mm

Coll. W. de Jonge

1125. Lollum (Wonseradeel)

Meerswal

diam. 23 mm

Coll. Suierveld

1126. Pingjum area (Wonseradeel)

champlevé; scratched rim

diam. still 15.5 mm

Coll. Niemarkt, 6

1127. Pingjum (Wonseradeel)

diam. 23 mm

Coll. Boonstra

1128. Pingjum (Wonseradeel)

diam. 21 mm

Coll. Boonstra

1129. Northwestern Friesland

diam. ca. 22 mm

Coll. Boonstra

1130. Northwestern Friesland

diam. 24 mm

Coll. Harmsma

1131. Northwestern Friesland

may have been enamelled

diam. 24 mm

Coll. Harmsma

OOSTERGO

1132. Holwerd (Dongeradeel)

diam. 17 mm

Coll. S. de Boer

1133. Niawier (Dongeradeel)

diam. 19 mm

Coll. Steen

1134. Hogebeintum (Ferwerderadeel)

diam. 18 mm

Coll. Bloem

1135. Hogebeintum (Ferwerderadeel)

fragment

Coll. Wiersma

1136. From redeposited *terp* soil near Bergum

(Tietjerksteradeel)

min. diam. 25 mm

Coll. Van der Veen

1137. From redeposited *terp* soil in the Bergum area

(Tietjerksteradeel)

min. diam. 21 mm

Coll. Van der Meer

2.9. Group of rectangular “disc” (plate) brooches

This is a group to be counted among the disc brooches, although different in shape. Dating, distribution, technique and ornamentation correspond to those of the round disc brooches. There are so-called *Kreuzemailfibeln* among this group; as usual, the criterion of shape is given precedence before the ornament. Wamers (1994: 586–587) describes a chronological development from the 7th century to the late 9th century, in which oblong rectangles slowly make way for more square types. Type 2.9.1.10 is thought

to be a rather early type; subgroup 2.9.2 of the 9th century, whereas most other types are dated to the 10th century. Frick (1992/93: 279–287), however, distinguishes groups with and without enamel, both mainly to be dated to the first half of the 9th century. The 37 Frisian finds are made of bronze or some other copper alloy; the authors cited and Capelle (n.y.) also refer to quite a number of plate brooches in lead-tin alloys. These apparently failed to reach Friesland, although the number of Frisian finds is perhaps too small to allow definite statements; moreover, not all collectors may have recognized their finds for what they were (collectors making their own selections when the call went out to show all medieval brooches).

*2.9.1. Rectangular and square brooches without lobes**2.9.1.1. Type with crisscross diagonals*

Champlevé.

WIJNALDUM (HARLINGEN)

1138.

5 G 71

15 × 16 mm

Coll. Zijlstra (FM)

Zijlstra, 1990: No. 14j

1139.

16 × 16 mm

Coll. Zijlstra (FM)

OTHER FINDS FROM WESTERGO

1140. Beetgum (Menaldumadeel)

Besseburen

16.5 × 16.5 mm

Coll. temporarily BAI

1141. Slappeterp (Menaldumadeel)

5 H 13

15.5 × 16 mm

Coll. Zijlstra (FM), 279

2.9.1.2. Type with “window-frame”

Non-enamelled version of this type.

Champlevé. Four square depressions suggest a window-frame with four panes.

WIJNALDUM (HARLINGEN)

1142.

5 G 71

11 × 12 mm

Coll. Zijlstra (FM)

Zijlstra, 1990: No. 141

OTHER FINDS FROM WESTERGO

1143. Dongjum (Franekeradeel)

165.4/579.65

12 × 13.5 mm

Coll. Okel

1144. Pingjum (Wonseradeel)*Riegeterpen*

12 × 14 mm

Coll. Zijlstra (FM), 674

1145. Pingjum (Wonseradeel)

13.5 × 15 mm

Coll. J. Henstra

1146. Pingjum (Wonseradeel)

13 × 14 mm

Coll. Halff

1147. Pingjum (Wonseradeel)

13 × 14 mm

Coll. Harmsma

1148. Westergo

asymmetrical

12.5 × 14 mm

Coll. Suierveld

OOSTERGO

1149. Holwerd (Dongeradeel)

13 × 14 mm

Coll. Haak

2.9.1.3. *The same type with enamelled “window panes”*

The “window panes” in the two examples have different dimensions; the Almenum example has larger ones than the prototype shown.

WESTERGO

1150. Almenum (Harlingen)

5 G 73

17 × 18 mm

Coll. Zijlstra, 299

OOSTERGO

1151. Leeuwarden (Leeuwarden)

Harmonie

16.5 × 18 mm

Coll. Zijlstra (FM), 912

2.9.1.4. *Type with miniature “window-frame”*

Champlevé design with a very small central field with four dimples, hardly [a cross or] a “window-frame”.

WESTERGO

1152. Minnertsga (Het Bildt)

13 × 13.5 mm

Coll. G. van Dijk

1153. Beetgum (Menaldumadeel)

Besseburen

14 × 14 mm

Coll. temporarily BAI

2.9.1.5. *Type with central circle*

Enamelled.

WESTERGO

1154. Slappeterp (Menaldumadeel)

13 × 15 mm

Coll. J. Henstra

2.9.1.6. *Type with two cells*

Enamelled. Cloisonné.

WESTERGO

1155. Pietersbierum (Franekeradeel)

length 12 mm

Coll. Hasselt, 9252

2.9.1.7. *Type with diagonal Maltese cross*

Enamelled. Cast-cell.

WESTERGO

1156. Ludingakerk (Franekeradeel)

17 × 20 mm

Coll. Harmsma

2.9.1.8. *Type with diagonal cross and dots in Grubenschmelz technique*

WESTERGO

1157. Schalsum (Franekeradeel)

5 G 87

15.5 × 18 mm

Coll. Koning

1158. Tzummarum (Franekeradeel)

5 G 35

15.5 × 17 mm

Coll. Zijlstra (FM)

2.9.1.9. *Type with complex cross and dots*

The ornaments are formed by cavities, but no traces of enamel can be detected.

WESTERGO

1159. Pingjum (Wonseradeel)

10 B 22/23

26.5 × 29 mm

Coll. Zijlstra (FM), 739

2.9.1.10. *Type with scratched lines*

Bronze?

WESTERGO

1160. Harlingen area (Harlingen)

fragment

20 × ? mm

Coll. Zijlstra (FM), 134

2.9.1.11. *Type with a champlévé cross*

Champlévé. Corroded, but possibly a Maltese cross.

WESTERGO

1161. Pingjum (Wonseradeel)

21 × 22 mm

Coll. Zijlstra (FM), 552

Zijlstra, 1993: No. 136

2.9.1.12. *Type with champlévé a cast cross*

Corroded; the drawing is a reconstruction.

WESTERGO

1162. Slappeterp (Menaldumadeel)

corroded

length 20 mm

Coll. Hasselt, 9342

2.9.2. *Subgroup with constricted sides*2.9.2.1. *Type with three pairs of circle-and-dots*

WESTERGO

1163. Pingjum (Wonseradeel)

19 × 29 mm

Coll. Zijlstra (FM), 692

Zijlstra, 1993: No. 135

2.9.2.2. *Type with a plain centre-field*

WESTERGO

1164. Bolsward (Bolsward)near *terp* Keppens

23 × 34 mm

Coll. Niemarkt, 4

2.9.2.3. *Type with four cells*

Cloisonné. Red, green and blue enamel. This brooch is temporarily unavailable for study or drawing. For a sketch, see Zijlstra, 1993: No. 134; Zijlstra, 2003: No. 47, here reproduced in figure 5.

WESTERGO

1165. Dongjum (Franekeradeel)

temporarily not available

Coll. Zijlstra

Zijlstra, 1993: No. 134

2.9.3. *Subgroup with lobed corners*2.9.3.1. *Type with three bars in Grubenschmelz technique*

Enamelled.

1166. Oosterbierum (Franekeradeel)
over all 16 × 22 mm
Coll. Zijlstra (FM)

2.9.3.2. *Type enamelled, with four cells and a dot*

Cast cells. Enamelled, although the Midlum example from the Half collection might be just bronze. The lobes on the corners may be three-fingered.

WESTERGO

1167. Bolsward (Bolsward)
Fugelkritte
over all 22 × 24 mm
Coll. Koning

1168. Franeker (Franekeradeel)
Molswerd, 5 G 101
over all 20 × 24
Coll. Zijlstra, 462
Zijlstra, 1992: No. 35

1169. Midlum (Harlingen)
over all 17.5 × 21 mm
Coll. Boonstra, 42

1170. Midlum (Harlingen)
over all 22 × 23.5 mm
Coll. Half

2.9.3.3. *Type with six enamelled fields*

Grubenschmelz technique

WESTERGO

1171. Minnertsga (Het Bildt)
length 21 mm
Coll. Hasselt, 9334

2.9.4. *Type enamelled, with a baroque rim*

Cloisonné; enamelled. The fragment does not allow a reconstruction.

WIJNALDUM (HARLINGEN)

1172. Fragment
min. width 22 mm
Coll. Zijlstra (FM)
Zijlstra, 1991: No. 67

2.9.5. *Subgroup with a round basic shape and lobes*

The four lobes give these brooches their rectangular or square appearance.

2.9.5.1. *Type with three cells*

Cloisonné; enamelled.

WESTERGO

1173. Tzummarum (Franekeradeel)
16 × 17 mm
Coll. Boonstra, 77

2.9.5.2. *Type with a cross*

No enamel. The pin runs diagonally, parallel to the arms of the cross.

1174. Firdgum (Franekeradeel)
19 × 19 mm
Coll. Leistra

2.10. *Group of crescent-shaped "disc" brooches*

These sickle- or crescent-shaped brooches were either unknown to Frick, or he decided not to include them in his study of disc brooches. Wamers (1994: 597) mentions 14 examples (half of them recent finds from Mainz) from northwestern Europe. He dates them to the same period as most (other) disc brooches: largely the 10th century AD. In Friesland, too, this group is a relative rarity, the lunula and pelta being more, but certainly not exclusively, associated with Roman times. For another semicircular type of disc brooch, see 2.12.1.

2.10.1. *Unique type*

Empty. Originally probably filled in with enamel in a cloisonné technique.

WIJNALDUM (HARLINGEN)

1175. Fragment

width 10 mm

Coll. Zijlstra (FM)

2.10.2. *Unique type*

Cast-cell. Originally enamelled

WIJNALDUM (HARLINGEN)

1176. Fragment

width 12 mm

Coll. Zijlstra (FM)

Zijlstra, 1991: No. 68

2.10.3. *Unique type*

All-over ornamented with tiny circles.

WESTERGO

1177. Minnertsga (Het Bildt)

fragment

width 13 mm

Coll. Zijlstra (FM)

2.10.4. *Unique type*

WESTERGO

1178. Minnertsga (Het Bildt)

length 26 mm

Coll. Zijlstra (FM)

2.10.5. *Unique type*

The cavities show no evidence of having contained enamel.

WESTERGO

1179. Oosterbierum (Franekeradeel)

length 16 mm

Coll. Zijlstra (FM)

2.10.6. *Unique type*

WESTERGO

1180. Slappeterp (Menaldumadeel)

fragment

width c. 13 mm

Coll. Zijlstra (FM)

2.11. *Group of cross-shaped disc brooches*

“Cruciform disc brooch” is in fact a contradiction in terms, but the group discussed here certainly belongs in the disc brooch tradition. It has become customary to include these cross-shaped brooches with the disc brooches (*cf.* Capelle, n.y.). Frick does not treat them as a distinct group; he includes type 2.11.2 in his group of rectangular disc brooches (another contradiction in terms). He may be right in this; 2.11.1 and 2.11.2 certainly are no real crosses, the basic form is a square. Their classification is a matter of personal preference. And 2.11.9 is basically round. Böhme dates type 2.11.1 in the Merovingian era; but most cruciform disc brooches seem to belong in a younger tradition, which also yielded early examples of crucifix pendants (*cf.* Zijlstra, 1993). Wamers (1994: 589) sees a gap in the 8th century, but not altogether. As usual, the Frisian finds cannot be dated with the aid of the context they were found in.

The division of the Frisian finds in this group into types is fully arbitrary; moreover, most types are represented by one example only. While most finds of brooches of this group at Domburg were made of lead (Capelle n.y.: 16), the Frisian examples are made of bronze or some other copper alloy, one type being gilded and having silver ornaments.

2.11.1. *Type with bilobed arms*

This early type comprises several decorative variations: the central field may carry a massive solid boss, while the bilobed terminals of the cross may have circle-and-dots, as is shown on one of the prototypes. The central field of some examples has a reddish hue. We would be inclined to date this type of brooch to the 7th century, but the context of No. 1181 should be dated to the period between AD 450 and 500. As this is a contextual and not an actual date, we may choose to disregard it. Wamers (1994: 589) also sticks to the 7th century, which allows the cross to be connected with Christianity. Nevertheless, the very early contextual date from the excavation calls for caution.

W '91-'93

1181. WP XXX, topsoil

partly burnt
max. diam. 24 mm
Coll. W '92-7766

WIJNALDUM (HARLINGEN)

1182.

max. diam. 24 mm
Coll. Hasselt, 9341

OTHER FINDS FROM WESTERGO

1183. Franeker (Franekeradeel)

solid boss on the central field, circle-and-dots on the eight lobes
22 × 22 mm
Coll. Boonstra

1184. prob. Hitzum (Franekeradeel)

solid boss on the central field
24.5 × ? mm
Private collection

1185. Schalsum (Franekeradeel)

circle-and-dot on the central field, small circle-and-dots on the eight lobes
23 × 24 mm
Coll. Wiersma

1186. Berlikum (Menaldumadeel)

circle-and-dot on the central field, small circle-and-dots on the eight lobes
22 × 22 mm
Coll. P. van Dijk

2.11.2. *Type with square centre-field and budded terminals*

Not unlike the brooches above. The Westergo example has a plain central field; the Oostergo specimen displays five small circle-and-dots. The back of the central field is concave in both cases.

WESTERGO

1187. Minnertsqa (Het Bildt)

24 × 24 mm
Coll. FM 1987-III-17

De Vrije Fries 68 (1988), p. 176

OOSTERGO

1188. Wetzens (Dongeradeel)

28 × ? mm
Coll. Haak

2.11.3. *Type with oval-armed cross*

The central boss is in some cases surrounded by dots (*cf.* Wamers, 1994: 590–591).

WIJNALDUM (HARLINGEN)

1189.

5 G 71 west
39 × 41 mm

OTHER FINDS FROM WESTERGO

1190. Achlum (Wonseradeel)

village *terp*
fragment
same dimensions as No. 1189
Coll. Zijlstra (FM), 348

1191. Schettens (Wonseradeel)

Filens, 161.0/567.00
40 × 40 mm
Coll. Okel

OOSTERGO

1192. Leeuwarden (Leeuwarden)

incomplete
39.5 × ? mm
Coll. J. Henstra

2.11.4. *Type with raised blocks*

The style is the same as that of the round disc brooch type 2.5.3.6. No enamel could be discerned. An identical example in the Half collection (max. diam. 22.5 mm) had been found on the nearby former island of Wieringen. Find No. 1193 can be given a contextual dating between 850 and 900.

W '91-'93

1193. WP V, level 1

21 × 22 mm
Coll. W '91-275
Besteman *et al.*, 1992: 63

OTHER FINDS FROM WESTERGO

1194. Midlum (Harlingen)
diam. 22.5 mm
Coll. Hasselt, 9276

1195. Schettens (Wonseradeel)
22 × 22 mm
Coll. Okel

2.11.5. *Unique type*

Very slender cross, with thicker horizontal arms, and very narrow vertical arms. It is just a small, corroded fragment, not allowing a reconstruction; no drawing or prototype is presented here.

WIJNALDUM (HARLINGEN)

1196.
17.5 × ? mm
Coll. Boonstra

2.11.6. *Unique type with trefoil terminals*

WESTERGO

1197. Oosterbierum (Franekeradeel)
diam. 25 mm
Coll. Hasselt, 9283

2.11.7. *Type with double-globule terminals*

WESTERGO

1198. Minnertsga (Het Bildt)
identification uncertain
21 × ? mm
Coll. G. van Dijk

1199. Berlikum (Menaldumadeel)
23 × ? mm
Private collection

2.11.8. *Unique type with splayed arms*

OOSTERGO

1200. Holwerd (Dongeradeel)
diam. 22 mm
Coll. Zijlstra (FM)
Zijlstra, 1993: No. 86

2.11.9. *Unique type*

The arms of the cross are formed by double bird's heads. The gaps separating these perforate the round disc brooch, making it into a cross.

WESTERGO

1201. Welsrijp (Littenseradeel)
diam. 20 mm
Coll. Hasselt, 9337

2.11.10. *Unique type*

Gilded bronze, with silver globules. The original is temporarily unavailable. The drawing presented here (fig. 5) is after Zijlstra, 1993: No. 42.

OOSTERGO

1202. Ee (Dongeradeel)
temporarily not available
Coll. Zijlstra
Zijlstra, 1993: No. 42

2.11.11. *Unique type*

The only fragment is depicted, as no prototype could be given on this basis.

WIJNALDUM (HARLINGEN)

1203.
5 G 71
fragment
original width c. 30 mm
Coll. Zijlstra (FM)
Zijlstra, 1991: No. 69

2.11.12. *Unique type*

No enamel. The pin runs parallel to the longest axis of the cross.

1204. Northwestern Friesland
17 × 19 mm
Coll. Hasselt, 9301

2.12. *Miscellaneous*

This group represents the leftovers. There is no common characteristic.

2.12.1. *Unique type kidney-shaped*

This type does not really belong in the group of crescent-shaped brooches.

Three dimples, not enamelled.

It has no known parallels.

WESTERGO

1205. Pingjum (Wonseradeel)

16 × 11 mm

Coll. Zijlstra (FM)

2.12.2. *Unique type*

A champlevé disc brooch in *Grubenschmelz* technique. Red enamel. Drawing after Zijlstra, 1993: No. 98 and Zijlstra, 2003: No. 24 (fig. 5). The original is temporarily not available.

WESTERGO

1206. Pingjum (Wonseradeel)

Riegeterpen

diam. 19 mm

Coll. Zijlstra (FM), 63

Zijlstra, 1993: No. 98

2.12.3. *Unique type, eight-petalled flower with enamelling*

A heavily corroded brooch of characteristic shape. Each lobe apparently contains an enamelled cell (dimple).

WESTERGO

1207. Schalsum (Franekeradeel)

diam. 23 mm

Coll. Hasselt, 9277

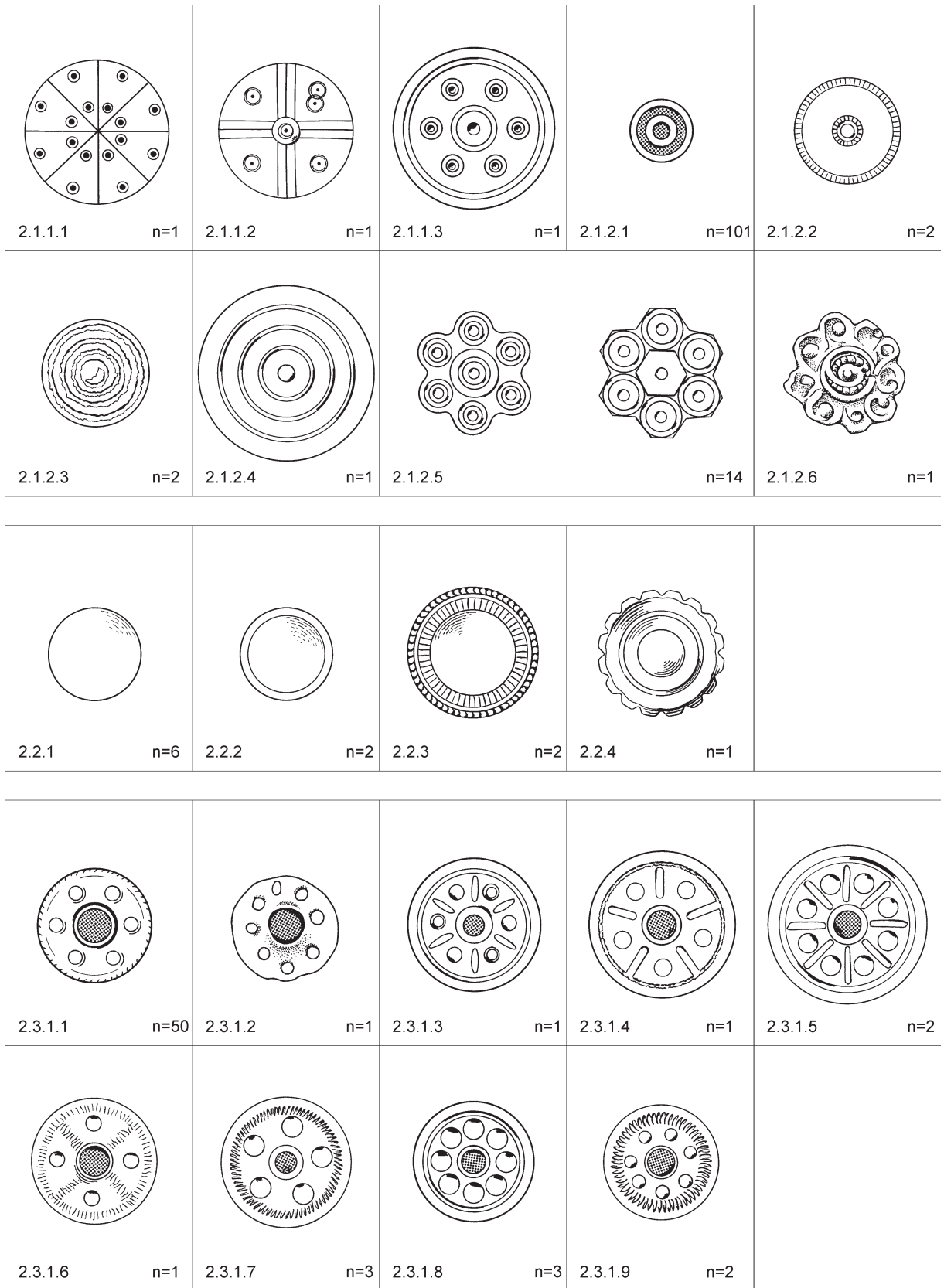


Fig. 4a-4i. Prototypes of disc brooches (drawings J.M. Smit, GIA). Scale 1:1.

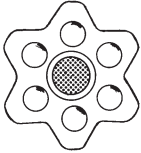
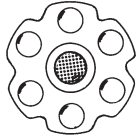
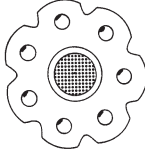
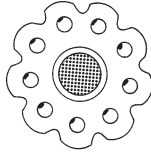
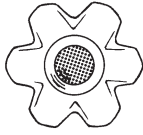
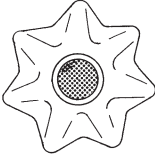
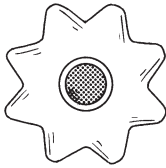
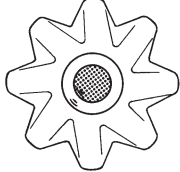
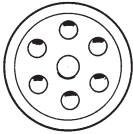
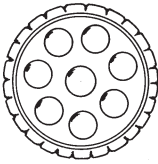
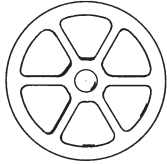

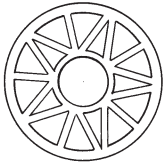
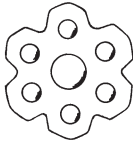
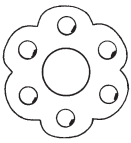
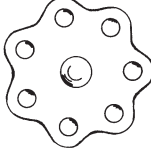
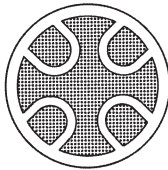
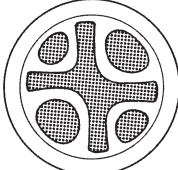

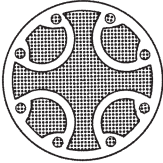

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 2.4.1.1 n=3	 2.4.1.2 n=2	 2.4.1.3 n=1	 2.4.1.4 n=1	 2.4.2 n=3
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Fig. 4a-4i (continued).


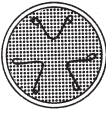

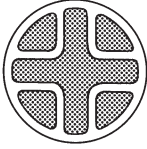
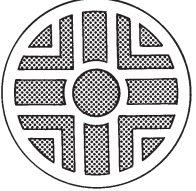
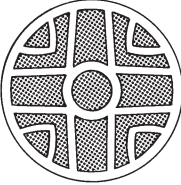
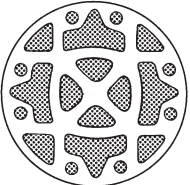
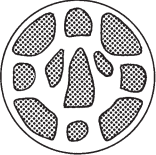
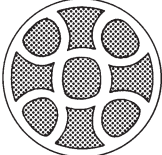
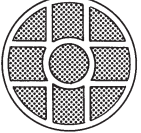
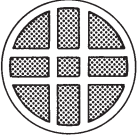

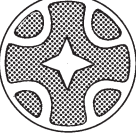
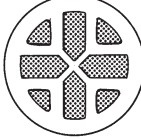

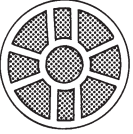
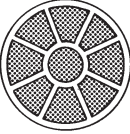
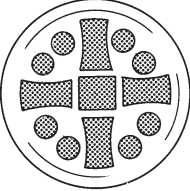
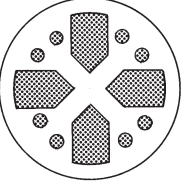
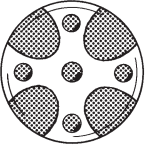
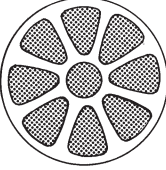
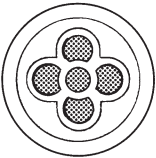
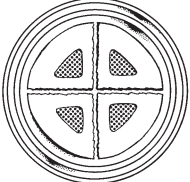
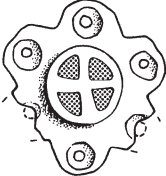

				
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Fig. 4a-4i (continued).

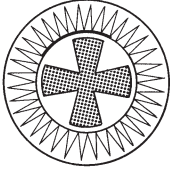


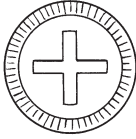
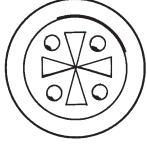
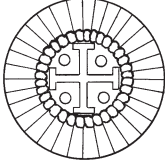
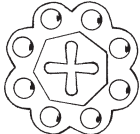
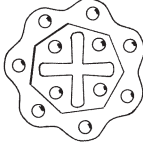
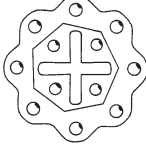
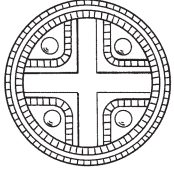
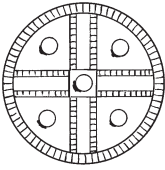

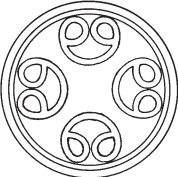
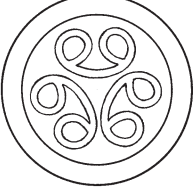
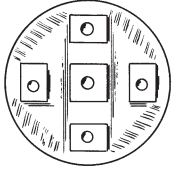
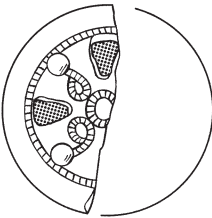
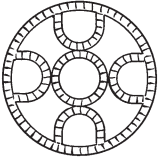
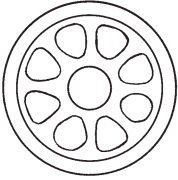


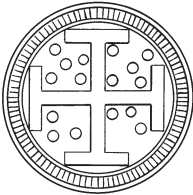
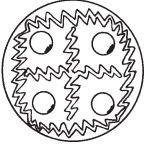
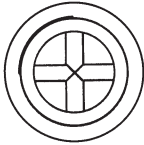


				
2.5.1.31 n=1	2.5.1.32 n=1	2.5.2.1 n=10	2.5.2.2 n=1	2.5.2.3 n=25
				
2.5.2.4 n=12	2.5.2.5 n=8	2.5.2.6 n=19	2.5.2.7 n=4	2.5.3.1 n=15
				
2.5.3.2 n=3	2.5.3.3 n=5	2.5.3.4 n=4	2.5.3.5 n=1	2.5.3.6 n=3
				
2.5.3.7 n=1	2.5.3.8 n=1	2.5.3.9 n=1	2.5.3.10 n=3	2.5.3.11 n=1
				
2.5.3.12 n=1	2.5.3.13 n=1	2.5.3.14 n=1	2.5.3.15 n=1	2.5.4.1 n=1

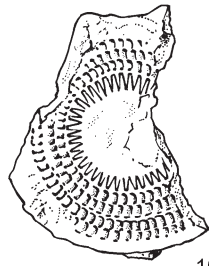
Fig. 4a-4i (continued).

	2.5.4.2 n=1		2.5.4.3 n=3		2.5.4.4 n=1		2.5.4.5 n=1		2.5.4.6 n=1
	2.5.4.7 n=1		2.5.4.8 n=1		2.5.4.9 n=1				
	2.6.1 n=8		2.6.2(1) n=30(20)		2.6.4.1 n=14		2.6.4.3		n=14
	2.6.4.5 n=3		2.6.5.1 n=50		2.6.5.2 n=6		2.6.5.3 n=3		2.6.5.4 n=1
	2.6.5.5 n=1		2.6.5.6 n=2(3)		2.6.6.1		1006		

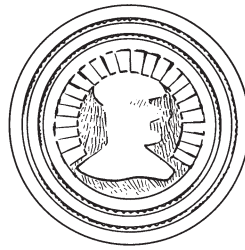
Fig. 4a-4i (continued).



1014



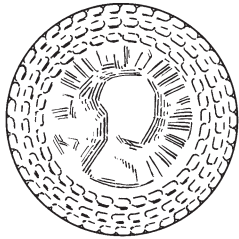
1015



1016

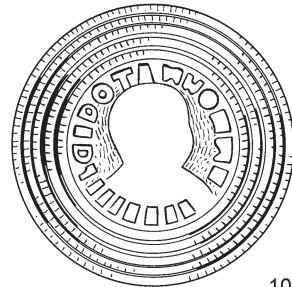


1018

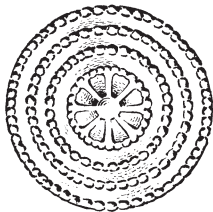


1023

2.6.6.2



1025



2.6.7.1

n=1



2.6.7.3

n=1



2.6.8

n=1



2.7.1.2

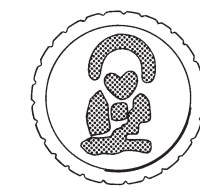
n=14



2.7.1.3



n=2



2.7.1.4

n=11



2.7.1.6

n=4



2.7.1.7

n=1



2.7.2.1

n=1



2.7.2.2

n=1



2.7.2.3

n=5

Fig. 4a-4i (continued).

 2.7.2.4 n=4	 2.7.2.5	 n=3	 2.7.2.6 n=2	
 2.7.3.1	 n=12	 2.7.3.2 n=1	 n=1	
 2.7.3.3 n=1	 2.7.4.1 n=1	 2.7.4.2 n=3	 2.7.4.3 n=1	
 2.7.4.4 n=1	 2.7.4.5 n=2			
 2.9.1.1 n=4	 2.9.1.2 n=8	 2.9.1.3 n=2	 2.9.1.4 n=2	 2.9.1.5 n=1

Fig. 4a-4i (continued).


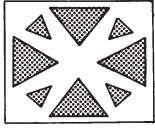
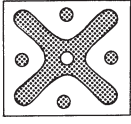
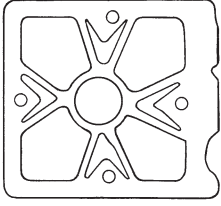
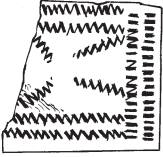
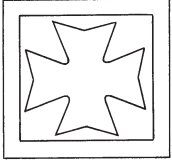
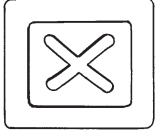
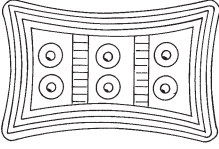
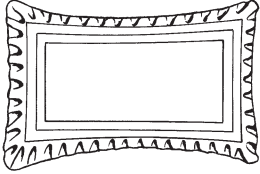
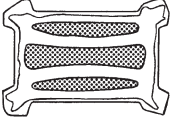
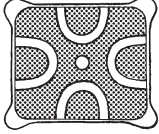
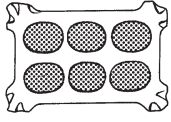
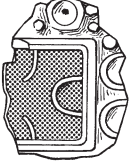
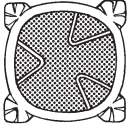

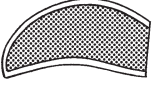
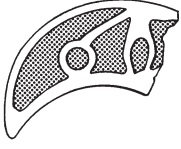
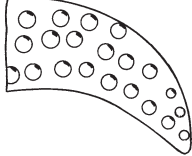


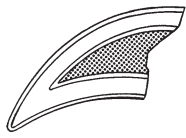
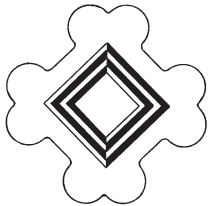
 <p>2.9.1.6 n=1</p>	 <p>2.9.1.7 n=1</p>	 <p>2.9.1.8 n=2</p>	 <p>2.9.1.9 n=1</p>	 <p>2.9.1.10 n=1</p>
 <p>2.9.1.11 n=1</p>	 <p>2.9.1.12 n=1</p>	 <p>2.9.2.1 n=1</p>	 <p>2.9.2.2 n=1</p>	
 <p>2.9.3.1 n=1</p>	 <p>2.9.3.2 n=4</p>	 <p>2.9.3.3 n=1</p>	 <p>2.9.4 n=1</p>	 <p>2.9.5.1 n=1</p>
 <p>2.9.5.2 n=1</p>				
 <p>2.10.1 n=1</p>	 <p>2.10.2 n=1</p>	 <p>2.10.3 n=1</p>	 <p>2.10.4 n=1</p>	 <p>2.10.5 n=1</p>

Fig. 4a-4i (continued).



2.10.6

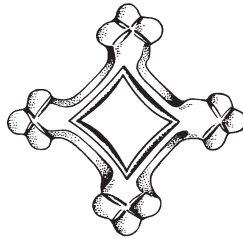
n=1



2.11.1

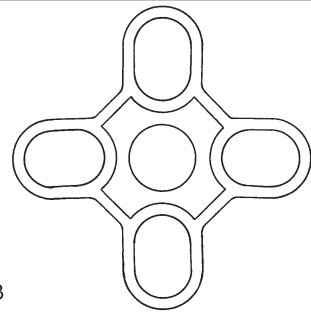


n=6



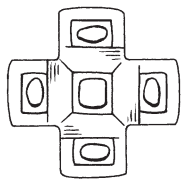
2.11.2

n=2



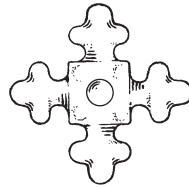
2.11.3

n=4



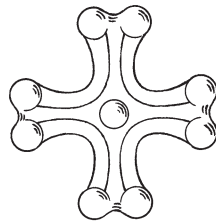
2.11.4

n=3



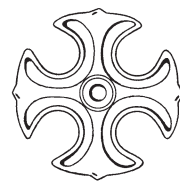
2.11.6

n=1



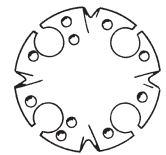
2.11.7

n=2



2.11.8

n=1



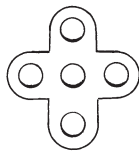
2.11.9

n=1



2.11.11

n=1



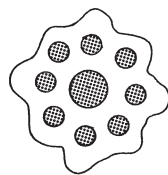
2.11.12

n=1



2.12.1

n=1



2.12.3

n=1

Fig. 4a-4i (continued).

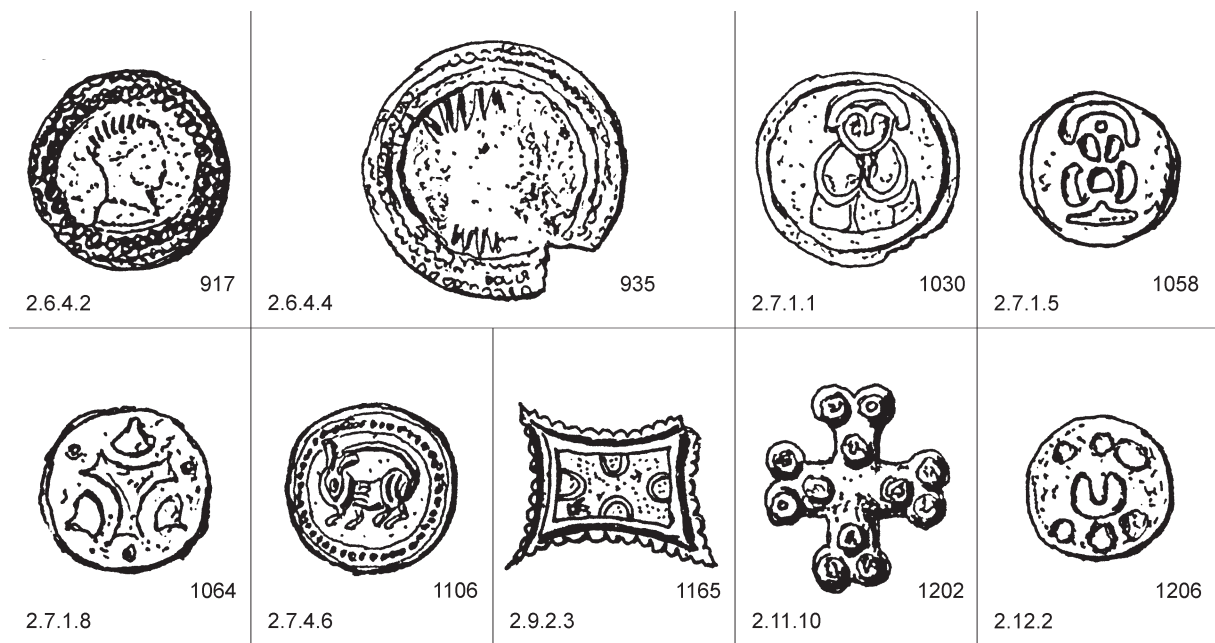


Fig. 5. Disc brooches (after J. Zijlstra, 1990; 1993). Scale app. 1:1.

4. A FINAL WORD

Reader, if you feel inspired by the mass of finds from the Frisian *terpen*, and are considering a new hobby or career, remember there are legal and moral obligations and restrictions to metal detecting. Ensure that you are well informed, and abide by the law.

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