

What caused the Viking Age?

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This paper addresses the cause of the Viking episode in the approved Viking manner – head-on, reviewing and dismissing technical, environmental, demographic, economic, political and ideological prime movers. The author develops the theory that a bulge of young males in Scandinavia set out to get treasure to underpin their chances of marriage and a separate domicile.

Keywords: Scandinavia, Britain, Ireland, North Sea, Viking Age, early medieval, Abbasid, treasure, silver

Introduction

The Scandinavian diaspora of the late eighth to mid-eleventh centuries AD known as the Viking Age was both widespread in scale and profound in impact. Long-range maritime expeditions facilitated a florescence of piracy, trade, migration, conquest and exploration across much of Europe – ultimately extending to western Asia and the eastern seaboard of northern North America (Brink & Price in press). This diaspora contributed to state formation and/or urbanism in what are now Ireland, Scotland, England, Russia and the Ukraine – not to mention within Scandinavia itself. It was one of the catalysts leading to fragmentation of the Carolingian empire and it created the semi-independent principality of Normandy.

As one of the last ‘barbarian migrations’ of post-Roman Europe, it is also among the best documented. Its study is thus uniquely important for an understanding of European history. It also provides good examples of three processes of relevance to the archaeology of the wider world: the potential impact of small-scale but highly militarised non-state communities on neighbouring ‘complex societies’, the development of transnational identities in a pre-capitalist world and the seaborne colonisation of islands. Studying the causes of the Viking Age is potentially as illuminating and complex as interpreting the decline of the Roman Empire.

Many discussions of the causes of the Viking Age have been conducted in contexts that are regional (e.g. Näsman 2000a; Vésteinsson *et al.* 2006). Others address the problem within broad narratives (e.g. Roesdahl 1991: 187-94; Richards 2000: 18-19; Byock 2001: 82-4; Sawyer 2003a: 106-9; Hadley 2006: 16-21; Woolf 2007: 52-7). Yet others challenge the relevance of the Viking Age as a socio-economic watershed or a useful unit of analysis (e.g. Svanberg 2003: 201-3; Hodges 2006).

The hesitancy in some quarters to view the ‘Viking’ diaspora as meaningful may ultimately owe its roots to a reaction against the gross misuse of Viking Age archaeology as racist

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propaganda by the National Socialists and others between 1920 and 1945 (see Müller-Wille 1994; Nondier 2002: 509-11). Nevertheless, there is a problem to resolve, and to understand the early Middle Ages in Europe one must consider developments both within and between regions (cf. McCormick 2001; Wickham 2005). Näsman (2000a) and Svanberg (2003) demonstrate that Scandinavian material culture was highly regionalised in the period under consideration.

Despite these practical and historical impediments, a small number of studies *have* sought to grapple with the causes of the Viking Age in holistic fashion, limiting the danger of information overload through varying combinations of generalisation and case study (e.g. Sawyer 1982a; Lund 1989; Myhre 1993; Hernæs 1997; Randsborg 2000; McCormick 2001; Simek 2004). Adopting this tradition, what follows combines an overview with more detailed consideration of early Viking Age (particularly late eighth- to early ninth-century) Scandinavian raiding in the west. It starts from the premise that cause must precede effect in time. This may be obvious, but the disproportionate abundance of evidence from the middle of the ninth century and later has often led scholars of the Viking Age to read history backwards, from the known to the unknown, potentially skewing our understanding of causal chains.

Collectively, previous scholarship has considered the causes of the Viking Age in terms of one or more of the following:

- Technological determinism;
- Environmental determinism;
- Demographic determinism;
- Economic determinism (the growth of urbanism and trade);
- Political determinism (the weakness of neighbouring empires and/or the centralisation of power within Scandinavia);
- Ideological determinism.

Each explanation combines these factors in differing configurations, creating a wide variety of possible models. It would be impractical to review the resulting historiography in a work of this length. Instead, this paper will return to first principles, the ingredients of the story of the Viking Age, briefly considering them in light of both present knowledge within 'Viking studies' (including archaeology, history and related fields) and insights from the social sciences (specifically anthropology and sociology). In so doing it seeks to present a brief overview of existing wisdom, to challenge several problematic assumptions, to introduce a few new issues which have not yet received the attention they merit and to propose a new explanation.

Technological determinism

Among the traditional 'causes' of the Viking Age, the demotion of naval technology and seafaring knowledge is perhaps the most surprising to the non-specialist. The high level of technological skill and social signalling embodied by boats and ships in Viking Age

Scandinavia has been reinforced by all research since the first great ship-burial excavations of the nineteenth and early twentieth centuries (e.g. Crumlin-Pedersen 1995; Owen & Dalland 1999; Westerdahl 2008). However, it is equally clear that large-scale seaborne raiding, conquest and/or migration could have emanated from Scandinavia long before, thus reducing the causative power of Viking ships.

Weapon sacrifices, at Nydam I (fourth century AD) in Denmark for example, indicate the long-range movement of large armies by boat during the Roman Iron Age (Randsborg 1995). In the fifth century, ships of northern Germanic origin facilitated a scale of Anglo-Saxon influence on (and, based on DNA evidence, migration to) Britain that exceeded or equalled that of their Viking Age successors (cf. Hills 2003; Oppenheimer 2007). Thus the question of ship technology, particularly developments of keel and sail, are not pivotal (Haywood 1999). It is now thought that sails may have been adopted in Scandinavia several centuries before the Viking Age in any case (Crumlin-Pedersen 2007).

If something meaningful did change in the late eighth century it is likely to be in how existing technology was employed, be it changes in tacking practices (Carver 1995) or a shift to 24-hour sailing (cf. McCormick 2001: 788). In this hypothetical eventuality, we could best interpret change as reflecting the motivation to travel further and quicker – and thus as an effect of the Viking Age. In brief, ships capable of carrying warriors long distances are a necessary pre-requisite for the Viking Age, but clearly they did not ‘cause’ it.

Environmental determinism

A second old chestnut of limited relevance is climate, specifically the possible impact of the Medieval Warm Period (MWP) (e.g. Dansgaard *et al.* 1975; Dugmore *et al.* 2007: 14). The problems here are the timing of the MWP itself and of putative climate-induced settlement expansion. Some climatological research is consistent with warming in the centuries leading up to the end of the first millennium AD (e.g. Dahl-Jensen *et al.* 1998). Conversely, other studies would place the MWP after the turn of the millennium and emphasise its regional variability (e.g. Bradley *et al.* 2003). It has even been argued that the MWP never existed (e.g. Hughes & Diaz 1994). Thus favourable climatic conditions may or may not have enhanced opportunities for Scandinavian settlement in Iceland (and later Greenland). Even if they did, the earliest evidence of Norse settlement in Iceland presently dates to the 870s (Vésteinsson *et al.* 2006). This is almost a century after the first certain raids of the early Viking Age (such as the infamous attack on Lindisfarne in 793). Greenland in turn was not settled by Scandinavian migrants until the end of the tenth century (Arneborg 2003), with brief forays to the new world following shortly thereafter (Wallace 2003).

Demographic determinism

In more general terms, Scandinavia did share in the widespread European population and settlement boom of the end of the first millennium AD – a well-established phenomenon which may partly reflect environmental conditions (e.g. Fossier 1999; Dyer 2002). Thus the issue of climate merges into that of demography. But in its most simplistic form, that of nebulous ‘population pressure’, this too can be dismissed as a realistic cause of the Viking Age (Hernæs 1997: 57–8). The chronology of settlement expansion varies by the region in

Scandinavia – with some locations showing little change from the Roman Iron Age until economic crisis and plague in the fourteenth century (e.g. Skre 2001). Nevertheless, in many areas forest clearance and settlement expansion is now known to have progressed during the course of the Viking Age, rather than preceding it (e.g. Andersen *et al.* 1988; Karlsson & Robertsson 1997; Näsman 2000a: 2-3). In parts of Norway, for example, it may well be characteristic of the end of the period (Myhre 1998).

Related to the issue of demography is a more implicit, but widely held, assumption that Viking Age settlement expansion entailed a mechanistic ‘wave of advance’ in which the Germanic-speaking peoples of Scandinavia slowly colonised neighbouring territories. The western diaspora can provide one example (Barrett 2006; cf. Woolf 2007: 52-7, 286-9). It is commonly treated as a sequential process beginning with the Northern Isles of Scotland, from which it is presumed Scandinavians first operated as raiders in mainland Britain, Ireland and sometimes even continental Europe (e.g. Sawyer 2003a: 109; Ridell 2007). After that came conquest and settlement, spreading to Ireland and ultimately – under the dynasty of Ímar/Ivar of Dublin and his cronies – to Anglo-Saxon England (see Wormald 1982: 141; Biddle & Kjølbye-Biddle 2001: 81-4). The extreme version of this wave of advance model envisions the foundation of an early (or even pre-) Viking Age Scandinavian kingdom in Scotland, Laithlinn, which moved its base of operations to Dublin in the 840s (Ó Corráin 1998a; Sawyer 2003b; Stefánsson 2003: 204; cf. Etchingham 2007). Although the *second* (Irish and English) chapter of this story is likely to be correct (Downham 2007), the assumption of early Scandinavian settlement in Atlantic Scotland cannot yet be supported on the basis of reliable evidence.

The ‘wave of advance’ model is ultimately traceable to post-Viking Age Icelandic and Norwegian sources in which early pirate settlements in the Northern Isles were assumed to have existed (e.g. Guðmundsson 1965: 7-8; Ekrem & Mortensen 2003: 67). However, there is no evidence from settlement sites, graves, hoards or the documentary record to suggest that Scandinavian migrants were living in Atlantic Scotland prior to the mid-ninth century (Barrett 2003 and references therein). Newly published ‘early’ radiocarbon dates from Viking Age settlements in the Northern Isles (Hunter 2007: 139-40; Ballin Smith 2007: 289-94) do not change this conclusion. None unambiguously pre-date the mid-ninth century. Marine reservoir effects from cooked fish, not to mention statistical chance, could easily account for the one anomalously early date from Norwick, Shetland. It was on carbonised food deposits adhering to a soapstone pot (Ballin Smith 2007: 289, 293; cf. Barrett & Richards 2004). Similarly, a single pre-ninth-century date from phase 7.1 at Pool, *‘may represent earlier residual material from a levelling surface’* (Hunter 2007: 139).

Weber’s (1992; 1993; see also Ballin Smith 1995) suggestion that pre-Viking Age combs from Orkney were manufactured using reindeer antler imported from Scandinavia has also now been re-evaluated (Ashby 2006). Several Orcadian combs of Pictish style were indeed probably manufactured using this raw material, but none of these can be demonstrated to pre-date the ninth century based on stratigraphy or absolute dating. In sum, there is no reason to think that Norse settlement in the Scottish isles was prior to the first documented over-wintering of Viking armies in Ireland (AD 841), England (850/1) and Frankia (852/3).

After this date, there is clear evidence for the transfer of information and objects around the Irish Sea (e.g. Graham-Campbell 1998; Johnson 2001; Paterson 2001). In the few

cases where the chronology of this exchange can be established, however, Ireland often had precedence. One example is the presence of belt buckles of probable Irish manufacture in Scottish Viking Age graves (Paterson 2001). Another is the use of fairly standardised arm bands as a medium for storing silver bullion. These circulated widely in late ninth- and early tenth-century Ireland (Sheehan 1998: 178), only being adopted (in the altered style known as ‘ring-money’) in Atlantic Scotland in the mid-tenth century (Warner 1976; Graham-Campbell 1995: 38–40). In cases where geographically ‘Scottish’ styles from Dal Riata or Pictland may have influenced Irish fashion, such as the adoption of bossed penannular brooches in the late ninth century, the chronology post-dates Scandinavian settlement in both regions (Graham-Campbell 1975; Michelli 1993; Johnson 2001).

Lastly, there is now a limited quantity of evidence for human migration patterns from isotopic analysis of teeth from Viking Age burials in Atlantic Scotland. It too may imply the redistribution of population around the ‘Insular’ world, rather than direct immigration from Scandinavia (Montgomery *et al.* 2003; Montgomery & Evans 2006).

Starting from this archaeological source material (rather than the assumptions of much later medieval texts), it may be prudent to reconstruct a scenario consistent with how migration has been observed to unfold cross-culturally. Rather than spreading gradually from a source population, migrants move along networks (e.g. Brettell 2000: 107). The nodes of these networks are places which have either what migrants seek (e.g. perceived economic opportunities) or information and support (often from related prior migrants) to help them find it. Thus distances are conceptualised in terms of social space rather than physical geography (cf. Näsman 1991) – potentially leading to ‘leap-frog’ patterns of mobility. This phenomenon is observed in an increasingly transnational twentieth- to twenty-first-century world (e.g. Santiago-Irizarry 2008), and its potential relevance to prehistoric societies is corroborated by archaeological examples from as far afield as the Mediterranean (Forenbaheer & Miracle 2005) and the Caribbean (Keegan 2004).

In the earliest decades of the Viking Age the objective of short-term Scandinavian migrants was portable wealth, which was probably more abundant in Ireland’s ubiquitous monasteries (including Iona in Irish speaking Dal Riata, Argyll) and in mainland Pictland than in the less densely settled islands of northern Scotland. This is not to say that there was *no* treasure in the north (cf. St Ninian’s Isle, Shetland, Small *et al.* 1973) – but the relative difference must have been substantial. Only later, in the period of settlement, would the Northern Isles have been equally relevant destinations for seafaring Scandinavians. The recent suggestion that early medieval Ireland was impoverished (Wickham 2005: 817) is not really relevant here, partly because this judgement is not *vis-à-vis* Atlantic Scotland and partly because the case is overstated. It relies largely on a comparison with Denmark which omits differences in cultural practices surrounding the deposition of elite metalwork in each region. Unlike Denmark, metalwork was first routinely consigned to water or earth in Ireland after the Viking Age had started – at which point the island was demonstrably wealthy (cf. Hedeager 1992: 70–81; Sheehan 1998).

In support of the ‘leap-frog’ hypothesis, the distances to travel in early medieval Northern Europe were small in terms of sailing and rowing time – particularly in comparison with contemporary land transport (e.g. Carver 1990; Englert 2007). To provide just one example, the sea voyage from Norway to Ireland probably took less than two weeks based on medieval

sources (e.g. Benediktsson 1968: 33, regarding the indirect route via Iceland). Early bases in the Northern Isles of Scotland were not an essential precondition for the Viking Age as we know it.

It remains for future studies to fully address the implications of the 'leap-frog' hypothesis for the migrant experience in the west. It would allow the possibility that Norse and Irish adventurers met in the Northern Isles or the Faeroes in the years leading up to the ninth century, a contact providing knowledge of the riches that lay in the Celtic monasteries (cf. Dumville 2002; Edwards 2005; Hannon *et al.* 2005). The theory may also alter the traditional model of Scandinavian immigration to Atlantic Scotland – which envisions a pioneer stage of contact, a consolidation stage of settlement and an establishment stage in which indigenous material culture was replaced in one way or another (e.g. Buteux 1997: 262; Morris 1998; Graham-Campbell 2003: 128-9). If the Irish Sea (a traditional centre of cultural influence for Atlantic Scotland) became a 'Norwegian lake' early in the Viking Age, perhaps Scandinavian material culture was adopted *before* settlement – reversing the traditional order.

In contrast with the western story, it could be argued that the eastern Scandinavian diaspora *was* a wave of advance, consistent with an underlying demographic imperative. It ultimately involved the sequential foundation of Staraja Ladoga, Novgorod and Kiev (Price 2000; Duczko 2004). Even in this case, however, one sees a 'leap-frog' between the Scandinavian kingdoms of the Baltic and the first trading settlement on Lake Ladoga in Russia (with its access to both furs and trade routes to the east). For example, Scandinavian influenced burials seem to have first appeared in intervening regions such as Estonia later in the Viking Age, during the tenth century (Mägi 1999: 35).

The marriage imperative

Thus far, I have minimised the relevance of settlement expansion and 'population pressure' to the origins of the Viking Age. It may be, however, that other aspects of demography merit further attention. Critical among these are the issues of gender and infanticide. It has long been established that much Viking Age loot of Insular origin (that is from Ireland or Britain) ultimately found its way into female Viking Age graves in western Norway (Wamers 1985; 1998; Graham-Campbell 2001; Raven 2005: 43). It has also been proposed that Iron Age female grave-goods in Scandinavia may well represent 'bride-wealth' in at least a general sense of the term (Arrhenius 1995; Kristoffersen 2004). Put together, one must ask: *were the earliest Viking raids motivated to acquire such goods* (cf. Burström 1993 regarding Gotlandic silver hoards)? Elsewhere in early medieval Europe young aristocratic men often served as warriors in the retinues of others – or alternatively formed military brotherhoods – until they married and established their own households (Brooks 1971: 74; Halsall 2003: 50, 106-8). Based on this analogy (and later medieval Norse sources) it is easy to imagine participation in raiding parties as part of a Scandinavian male's life cycle in the early Viking Age. On a comparative anthropological canvas perhaps plunder, like short-term urban labour, could *provide the cash needed to succeed in the rural context – to accumulate bride-price, provide a dowry, or buy a home* (Brettell 2000: 102).

This hypothesis merits further attention in the context of recent work on ‘youth bulge’ theory (Heinsohn 2003), which posits that warfare is often a corollary of societies in which young men represent a disproportionately large element of the population. In these cases there are simply not enough status roles to go around, leading to violent competition. Such a demographic imbalance could occur for many reasons, but selective female infanticide is an obvious candidate in the context of pre-Christian Scandinavia (Clover 1988: 169-70; Wicker 1998 and references therein). This interpretation differs from nebulous demographic determinism in that it depends on the internal structure of the population, rather than its size, and on the social practices which might have created it. Why might this issue have become critical in the late eighth century? One possibility is that increasingly militaristic competition associated with Scandinavian state formation (an issue to which I will return below) led to a preference for sons over daughters.

Economic determinism

Turning to urbanism and trade, arguments that emphasise their relevance to the Scandinavian diaspora are probably unassailable in very general terms. They do, however, merit reconsideration in detail. Western Europe’s proto-urban centres, the so-called wics, boomed in the ‘long eighth century’ (Hansen & Wickham 2000; Hill & Cowie 2001) and became frequent targets of Viking raids by the 830s to 840s (Hill 1981: 33). Moreover, a trickle of silver from the Abbasid Caliphate first reached Scandinavian settlements in north-western Russia and the Baltic in the last two decades of the eighth century – quickly turning into a flood. One of the earliest examples is a hoard of Oriental coins dating between 749 and 786 found near the Swedish influenced settlement of Staraja Ladoga (Duczko 2004: 67). Duczko (2004: 62) describes the resulting expansion of Scandinavian trade in the east as ‘*silver fever*’. The ebb and flow of this wealth has been viewed as a major driver of events in Viking Age Europe since at least the writing of Henri Pirenne (Pirenne 1939: 239-40; Bolin 1953; Randsborg 1980: 152-62; Hodges & Whitehouse: 1983: 111-22; McCormick 2001: 606-13; Woolf 2007: 54; cf. Hodges 2006). Nevertheless, within this intellectual tradition opinion differs as to whether it was the presence of Arabic silver, or periodic reductions in its availability, which fuelled Scandinavian raiding in the west.

Disentangling the threads of these arguments, it is possible to make two relevant observations. Assuming that news could travel quickly in early Viking Age Europe (as implied by the network analyses of Sindbæk 2007a & b), it is entirely possible that the resulting gold rush mentality (Duczko’s ‘*silver fever*’), spread immediately to western Scandinavia. The earliest raids, often on monastic treasuries, in Britain, Ireland and (to a lesser degree) the Frankish empire could well have been the result. If so, however, one must imagine that the acquired wealth was for Scandinavian consumption – rather than transshipment to the Islamic world. Based on Arab sources, the Rus (Scandinavian traders) brought furs and swords to Baghdad in the ninth century (McCormick 2001: 610-11). Neither of these were major products of Britain or Ireland. Slaves first entered the record of Scandinavian exchange with the caliphate in the early tenth century. However, there were western markets for western slaves (Holm 1986) and eastern sources were available to meet eastern demand (McCormick 2001: 733-77). Early Viking Age Scandinavia was part of a world-system, but

it would probably be an exaggeration to speculate that monks captured at Lindisfarne in AD 793 ended their days in Iraq.

Secondly, the beginning of Viking Age raiding in Western Europe was *not* focused on urban centres, nor even on urbanised regions. The earliest targets were mainly monasteries and other settlements in rural areas of northern England, Scotland and Ireland (Hill 1981: 33; Etchingam 1996). The actors in these raids were probably also of predominately rural background, if the traditional interpretation that they were mostly from western Norway remains valid (e.g. Wamers 1998). In short, *the Viking Age began as a rural rather than an urban phenomenon*. It may thus also have had little to do with targeting southern North Sea and western Baltic trade – which was most intensive in the shipping lanes between wics at sites such as York, Dorestad, Ribe, Hedeby and Birka based on the distribution of eighth- to ninth-century coin and glass finds (e.g. Näsman 2000b). In the southern North Sea, for example, the earliest direct archaeological evidence for ‘Viking’ activity in the Carolingian empire is a silver hoard (Westerklief I) deposited around 850 in what is now the Netherlands (Besteman 2004). As noted above, moreover, historical sources indicate that raiding did not become common in this urbanised zone until the 830s to 840s (Keynes 1997; Nelson 1997) – despite being routine in the rural north and west since 793. Early ninth-century records regarding the southern North Sea are mostly of successful defence against pirates, rather than the reverse (cf. Brooks 1971; Sawyer 1982b: 78-97). If western trade played a role in the earliest decades of the Viking Age, the mechanism must have been indirect.

Political determinism

Past arguments based on political determinism entail both external ‘pull’ and internal ‘push’ factors. Traditionally, weaknesses in the polities targeted by Scandinavian raiders have been interpreted as one of the most important political ‘pull’ factors. Like North Sea trade, however, this argument may merit rethinking. The problem is partly chronological. The episodes of political unrest which are known to have attracted Viking armies to one side or the other of the English Channel began decades into the ninth century (Brooks 1979; Wormald 1982). The earliest recorded Viking raids were paradoxically contemporary with the existence of strong hegemonic powers in both Anglo-Saxon England (Offa’s Mercia) and continental Europe (Charlemagne’s Frankish empire) (Hernæs 1997: 61). The lure of political meltdown is probably equally irrelevant to eighth- and ninth-century Scotland and Ireland, albeit for different reasons. Both regions were subdivided into many small competitive kingdoms – chiefdoms in comparative terminology (Earle 1997) – which must have had much in common with contemporary polities in Norway (cf. Myhre 1987: 186-7; Ó Cróinín 1995; Woolf 2007). It is hard to imagine that they offered a softer target than neighbouring communities at home.

Turning to ‘push’ factors, the observation that the Scandinavian diaspora began in a time of powerful neighbours leads directly to one of the longest-standing and most convincing ingredients in the Viking Age recipe. That is the centralisation of power within Scandinavian kingdoms and the diverse consequences of this process. Like ‘wave of advance’ assumptions, this idea owes its ultimate origin to medieval Scandinavian sources (which attribute Norse settlement in the west to the partly fictitious unification of Norway under Harald Fairhair)

(e.g. Jónsson 1911: 53-4). However, it remains ubiquitous to the present day. In the words of Bjørn Myhre (2003: 60-1) (regarding the whole of the Scandinavian Iron Age, of which the Viking Age is the final subdivision):

The history of Scandinavia in the Iron Age is an example of changes of cultural and political relations on the borders of an empire, from egalitarian tribal societies to chiefdoms and petty kingdoms. This development was a consequence of influence and pressure exerted from the major centres of continental Europe and of the positive actions of local political players and entrepreneurs operating in relation both to more distant centres and to their neighbouring societies.

The influence of powerful neighbours, particularly the Carolingian empire, took many forms. Firstly, they provided models to emulate in terms of both centralised power and the potential role of plunder in maintaining a military following (Reuter 1985). Secondly, they prompted an unambiguous need for defensive political centralisation. Thirdly, piracy was a viable option for contenders in the realpolitik of the resulting competition within and between elite Scandinavian dynasties. Lastly, the west provided havens and military training grounds for exiles – some of whom reverted from client game-keepers to free-booting poachers (Coupland 1998).

To understand these processes in concrete terms it is worth briefly considering the perpetrators of Viking raids (cf. Lund 1989: 47-56). Many remained nameless. Some, however, entered the historical record as recognised actors. There were leaders without royal associations, such as Saxolb who died in Ireland in 837 (Downham 2007: 268). There were royal deputies, such as Tomrair of Laithlinn who died with 1200 others in Ireland in 848 (Downham 2007: 274). There were exiled members of royal dynasties, such as Harald of Denmark who participated in Carolingian civil war in 841 (cf. Lund 1989: 47; Coupland 1998: 90-1). Lastly, if one accepts Godfrid of Denmark's Frisian campaign of 810 as 'Viking' activity (I would not), there were reigning kings themselves (Scholz 1970: 91-3).

All warriors in early medieval Europe were of elite status. To bear arms was to be a participant in politics (Halsall 2003). Within this broad social category, however, Viking raids would appear to have bolstered the treasuries of many different kinds of men. This applied to the relative status of leaders, but also to their crews. At one end of the scale, wealth could be acquired to marry and establish a household as already discussed (cf. Halsall 2003: 50-8, 106-8). At the other, wealth and its redistribution to a military retinue was the basis of chiefly and royal power (Reuter 1985). The role of raids probably escalated along this scale during the first five decades of the Viking Age (Ó Corráin 1998b: 425). Godfrid aside, the participation of royal deputies and dynasts noted above is first recorded in the 840s. The evidence (such as it is) of fleet sizes tells the same story – rising from three at the end of the eighth century (Portland), to 13 in 820 (northern and western Frankia) to two fleets of 60 in 837 (Ireland) (Nelson 1997: 39; Hennessy 1998: 339).

Heightened competition within Scandinavia may also have led to the freeing of slaves to cultivate new land, creating a group of free men seeking '*an opportunity to win wealth and reputation*' (Skre 2001: 12). Alternatively, it has been argued that the expansionistic military and ecclesiastical policies (including early missions into Scandinavia) of the Christian

kingdoms of Western Europe may have inspired an ideologically driven reaction among the pagan elites of the north (Myhre 1993).

Ideological determinism

Many of the arguments summarised above regarding political centralisation are well established by contemporary archaeological and historical evidence. Others, such as Bjørn Myhre's 'pagan reaction' model, Dagfinn Skre's 'slavery hypothesis' and the 'gendered demography' theory proposed in this paper must remain more controversial (all having been offered in heuristic fashion). Their value lies in focusing attention on possible social factors behind the Viking Age Scandinavian diaspora. These are likely to be critical in a society where religion, mentality and warfare were inextricably linked (Price 2002).

Pursuing social causation further, two facets of Scandinavian ideology must have played an important role in the highly militarised and risky context of the Viking Age diaspora: honour and fatalism (e.g. Kuhn 1977: 162-3; Roesdahl 1991: 190; Simek 2004: 15). Without deeply seated beliefs in duty and predestination – and the iron hand of peer-pressure – it is difficult to imagine how crews could have been recruited for journeys from which return was doubtful throughout the Viking Age. Risks were manifold and manifest – from shipwreck and disease to violent death in battle. A wide range of primary sources (western, Arabic and Scandinavian) leave us in no doubt that many men did not survive their expeditions (e.g. Minorsky 1958: 152-3; Nelson 1991: 127; Sawyer 2000: 132). To grasp why people were willing to embark on these high-risk enterprises it is worth citing Price's (2002: 53) evaluation of religious belief in Viking Age Scandinavia:

We are left with a sobering conclusion, which is that the Vikings created one of the few known world mythologies to include the pre-ordained and permanent ruin of all creation and all the powers that shaped it, with no lasting afterlife for anyone at all. The cosmos began in the frozen emptiness of Ginnungagap, and will end in fire with the last battle. Everything will burn at the Ragnarok, whatever gods and humans may do. The outcome of our actions, our fate, is already decided and therefore does not matter. What is important is the manner of our conduct as we go to meet it. The psychological implications of this and other aspects of the Norse 'religion' bear thinking about.

Nevertheless, there is no reason to think that beliefs in honour and fate were unique to Scandinavia, or to the Viking Age. They probably characterised most of 'Barbarian' Europe for much of the first millennium AD and (in places) beyond (Halsall 2003). A mentality geared for war is thus only a precondition for the Viking Age diaspora – at least until convincing evidence for a dramatic change in Scandinavian world view can be established for the eighth century.

Conclusions

This brief survey of the causes of the Viking Age has sought to alter received wisdom in several ways. The Scandinavian diaspora was not a product of technological, climatic or economic determinism. Nor did it result from 'overpopulation' or the lure of weak neighbours. Instead, bands of 'surplus' young men (perhaps resulting from selective female infanticide) in need of

bride-wealth may have set out in search of treasure. As has long been recognised, they were joined by would-be chieftains, royal deputies and exiles – seeking wealth to prevail in the face of increasing competition within Scandinavia. These motives combined with a fatalistic mentality to create what we observe as the beginning of the Viking Age. It may be unrealistic to pinpoint the spark that ignited this explosive cocktail. Nevertheless, one well-trodden option is the sudden availability of Abbasid coinage in the east – and western Scandinavia's efforts to find a comparable source of wealth. Another is a hypothetical meeting of Irish and Norse on the Faeroe Islands – opening a route to the monastic riches of the Irish Sea region. It is enough to say that to explore the causes of the Viking Age one must give equal emphasis to sweeping processes of the *longue durée* and rapid, contingent, developments. Three ship-crews at Portland between 786 and 802 could not have anticipated that most of Anglo-Saxon England would be conquered by Viking armies in the 870s (Brooks 1979). Nevertheless, they were part of the causal chain that led to this eventuality – and many others.

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