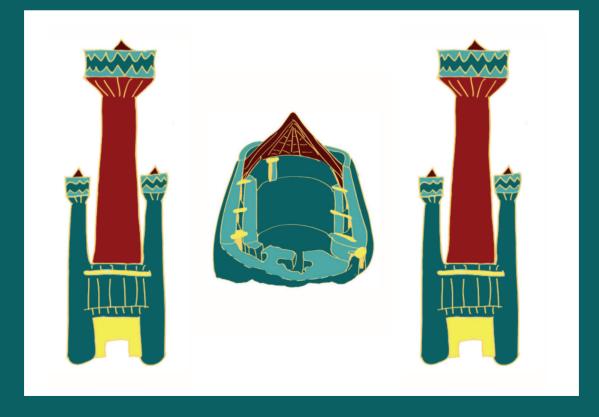


Gardening time

Monuments and landscape from Sardinia, Scotland and Central Europe in the very long Iron Age

Edited by Simon Stoddart, Ethan D. Aines & Caroline Malone



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with contributions from

Ian Armit, John Barber, Lindsey Büster, Louisa Campbell, Giandaniele Castangia, Graeme Cavers, Anna Depalmas, Matthew Fitzjohn, Mary-Cate Garden, Andy Heald, Luca Lai, Robert Lenfert, Mary MacLeod Rivett, Hannah Malone, Phil Mason, Megan Meredith-Lobay, Mauro Perra, Ian Ralston, John Raven, David Redhouse, Tanja Romankiewicz, Niall Sharples, Alfonso Stiglitz, Dimitris Theodossopoulos, Carlo Tronchetti, Alessandro Usai, Alessandro Vanzetti, Peter Wells & Rebecca Younger This book, and the conference upon which it was based, were funded by The ACE Foundation, The Fondazione Banco di Sardegna and the McDonald Institute. We are grateful to the British School at Rome and Magdalene College, Cambridge for their support.





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On the cover: *Cut out reconstruction of a broch flanked by two reconstructed* Nuraghi, *reconsidered by Lottie Stoddart*.

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Simon Stoddart

A tribute in honour of Giovanni Lilliu (1914–2012)

Anna Depalmas

Remembering Giovanni Lilliu may seem an easy task. One might think that it is only necessary to list his rich scientific bibliography and to describe his great work over the course of nearly a century, as a university professor and archaeologist. However, a simple listing of his achievements would not transmit the true importance of his work. He not only illuminated the prehistoric archaeology of Sardinia, but also used it to establish the idea of a Sardinian epic which he connected to the modern world.

Prehistory was the choice of his field of study – rather than the predominant exaltation of the Roman era and classicism of the time -, and this had its origins in his study under Ugo Rellini at Rome. He graduated in 1938 and worked as Rellini's assistant until 1942, when he returned to Sardinia to take up the position of Professor of Historical Archaeology and Geography at the University of Cagliari. From 1942 to 1958, he taught various subjects – Paleoethnology, Geography and the History of Religion - and in the latter year became a Full Professor and was appointed to the Chair of Sardinian Antiquity at the University of Cagliari. From 1944 to 1955 he also worked for the Superintendency of Sardinian Antiquity.

He held many posts in his long academic career. He was for a long time, and on various occasions, dean of the Faculty of Letters, Director of the Institute of Archaeology and Arts, Director of the School of Specialization in Sardinian Studies and Editor of the Journal carrying the same name (*Studi Sardi*), and, in 1990, he was elected a fellow of the Academy of Lincei of Rome. In his later years, he remained a very active Professor Emeritus at Cagliari University.

In 1936, while he was still a student, he published his first work on Su Nuraxi di Barumini. This was his birthplace, and throughout his life he maintained a close and almost embodied connection with the village. This also led him to carry out his most important archaeological work in the landscape of his birth. Indeed, between 1951 and 1956, he worked on excavating an artificial hill there, which was found to cover the nuragic complex of Su Nuraxi di Barumini. This was the first excavation conducted in Sardinia using a stratigraphic methodology to establish a time-line for the nuragic period, and it became a benchmark for later investigations and chronological research. His work at Barumini formed the basis for a series of fundamental papers on Sardinian proto-history, from *I nuraghi*. *Torri preistoriche di Sardegna* (The *Nuraghi*, prehistoric towers of Sardinia) in 1962 to *Civiltà nuragica* (Nuragic civilization) in 1982.

He was the first to study many of the themes that he investigated in depth during his long scientific career and many of these were only studied for the first time in the first half of the twentieth century. The chronology of proto-Sardinian civilization was one key field that he developed, modified and changed in the course of his long academic career. At the same time, Lilliu published a brief essay in which he attempted to identify certain constant factors in the history of Sardinian art, and this was developed in the catalogue for the exhibition of Sardinian bronzes in Venice in 1949. Following the theories of Ranuccio Bianchi Bandinelli on how to classify the art of the ancient world. Lilliu assessed the coexistence of the 'anti-naturalistic' art of the barbarian world and the 'naturalistic' art of the classical world within which he inserted Sardinia as a 'land of pure expression', and defined as anti-classical and barbaric. This line of thought became the nucleus of a theme which he studied from various angles and which helped him to define key concepts in his field of study.

At the beginning of the 1960s, he published his wide-ranging synthesis of Sardinia, *La civiltà dei Sardi dal Neolitico all'età dei nuraghi* (1963) (Sardinian Civilization from the Neolithic period to the nuragic

era). This work was later reprinted, expanded and revised in various editions until 1988. Apart from incorporating the results of later research, the later editions also allowed him to reassess some of his earlier observations with a critical eye, which was always one of his great strengths as a researcher and academic. The book proposed that a single unifying thread ran through Sardinian prehistory from the Neolithic period, even starting in the Palaeolithic period, until the Phoenician conquest. It established elements of the historiography of the island using data obtained from his work as an archaeologist. Many of the principal Sardinian monuments were described in an elegant style which alternated with detailed, creative and lyrical descriptions. The book was aimed at not only archaeologists and students, but also at a wider public, and indeed the book was dedicated to 'the shepherds of Barbagia'. Generations of archaeologists have studied the manual and found themselves cited in later editions, in agreement with Lilliu's global historiographical approach which aimed to unite past archaeological research with his experience of teaching Sardinian Antiquity in a university context. This book also gave birth to a national and popular history of prehistoric Sardinia, and expanded the work of archaeologists and their research from being only something studied in university lecture rooms and solely of interest to academics to its status as part of the common heritage of all Sardinians.

This social dimension, this impact, can be clearly seen from Giovanni Lilliu's popularity, which came from having shone a light on the national history of Sardinia and giving life to a Sardinian historiographical tradition, i.e. one with a strong sense of identity. His fame led to him being consulted, even in the later years of his life, on current events in Sardinia not necessarily related to culture or archaeology and being seen as a kind of prophet or even as the 'father of his country'. One of the many lessons that he taught us, and in which he himself was an expert, was the importance of intellectuals being able to discuss, communicate and talk about complex historical themes in a way which was both comprehensible and of interest to laymen.

He showed a total but clear love for his land by taking on civic responsibilities, which he fulfilled in a way which was never dull but rather vigilant and acute, despite his soft tone. As a cultured man, he worked for the Regional Council of Sardinia, drafting the Special Statute of Autonomy. He was also involved in politics, first as a member of the Christian Democrats and later as a supporter of initiatives which promoted the independence of Sardinia and of progressive positions which were close to the Centre-Left. In practice, he was active in actions which were designed to give greater value to Sardinian identity and culture.

The ideological basis for these activities were elaborated by Giovanni Lilliu at the start of his intellectual life, and were made completely clear in the 1970s when he developed the concept of 'constant Sardinian resistance'. At the beginning of the first prehistoric phase, the Sardinians were characterized by their resistance to foreign invaders and any attempts at acculturation. This characteristic did not disappear in ancient times, but has been a constant theme of Sardinian history and ethnicity, and is still present today. In this sense, Sardinian culture is not a fossil, but rather displays an extraordinary historical continuity with the past. This is an analysis which never became an idealization of aspects of Sardinian society and behaviour, but rather provided a clear and realistic picture through also identifying its negative aspects and its limitations. Nuragic civilization in particular became a symbol of a polycentric society, always in conflict with itself, the land and foreign invaders.

However, it is certainly limiting to supply a rigid definition of what Lilliu meant by nuragic civilization, given that he saw it as a dialectical relationship between its various dimensions, and worked on a reconstruction of it that was complex and multifaceted. He proposed an interpretation of nuragic civilization that saw it not as local but Mediterranean. In this, he was greatly influenced by his direct experience of excavations in the village of Ses Paisses in Majorca, where he found ethnic roots which were common to all the large islands of the West Mediterranean, the Balearics and Corsica, although there were also differences connected to the independent developments drawing on their insularity.

The fact that he found writing easy as can be seen from his some 330 publications. The last of these was in 2010, and was a detailed description of the excavation of the Giant's Tomb of Bidistili in Fonni. It is worth saying that many of the present arguments about certain elements and problems of prehistoric and proto-historic Sardinia were originally raised by him.

I would like to end this brief and partial memorial to Giovanni Lilliu by mentioning his work as a university professor of prehistoric and proto-historic Sardinia (and not only those subjects – with great versatility he also taught Geography and Christian archaeology). What I will personally remember is his little figure in jacket and pullover (he seldom, if ever, wore a tie), typewritten sheets in hand, and always punctual. He never postponed a lesson and was never absent. As an examiner he was always courteous and understanding. But you had to be very well prepared for his exams. The end of the course every year was the moment that we all waited for. Then there were the one or two day excursions that he led us on to various parts of Sardinia. We students would present our explanations of the monuments and he would listen with great attention as if it were his first visit, and then sometimes add some of his own memories, making it ever more clear how he was the creator of our view of prehistoric Sardinia.

He really was the memory of Sardinian history.

Tributes to Dr David Trump, FSA, UOM (1931–2016), and Dr Euan MacKie, FSA (1936–2020)

Caroline Malone & Simon Stoddart

David Trump was best known for his important work on the islands of Malta (Malone 2020), but his contribution to the prehistory of Sardinia is also worthy of record in the context of this volume.

David Hilary Trump took his first class BA in Arch and Anth at Pembroke College, Cambridge in 1955, and was a scholar of both the British School at Jerusalem, where he dug with Kathleen Kenyon, and the British School at Rome, where he excavated the key site of La Starza.

After Malta, Trump held the post of Staff Tutor in Archaeology at the University's Board of Extra-Mural Studies until retirement in 1997, when he was succeeded by Caroline Malone. He not only contributed to the teaching of Mediterranean Prehistory in the Department of Archaeology, but also had a large following in the wider, continuing education community, engaging mature students in all aspects of Archaeology in the region and beyond. It was during this period that he made a major contribution to the archaeology of Sardinia, uncovering once again unsuspected phases of prehistory at Grotta Filiestru (Trump 1983) and completing the survey of Bonu Ighinu. At Grotta Filiestru, he characteristically invested all the resources he could muster into constructing an effective chronology (Switsur & Trump 1983) and some of the first faunal studies undertaken in Sardinia (Levine 1983). This work was, in its way, as equally pioneering as his work on the island of Malta. The Grotta Filiestru produced a new scientifically dated sequence of Sardinian prehistory, identifying the fifth-millennium BC Filiestru Neolithic phase for the first time. In earlier fieldwork he also excavated the cave site of Sa 'ucca de su Tintirriòlu (Loria & Trump 1978). His work around Bonu Ighinu (Trump 1990) is, however, closest to the



Figure 0.1. David Trump.

theme of this volume since, in typical energetic style, Trump also provided one of the earliest studies of a nuragic landscape, once again demonstrating a pioneering role, now followed by many others. Euan MacKie was a central figure in the study of brochs, as is shown by the very high level of citation in this volume (Mackie 1965 ... 2008). In several ways the contribution of David Trump and Euan MacKie run in parallel, one journeying south, the other journeying north also from Cambridge beginnings, both Fellows of the Society of Antiquaries of London, engaged in seminal fieldwork, on a shoe string generally with volunteers, providing the first chronological foundations for monuments in the landscape and addressing synthesis of the results. Both were pioneers of their generation who retained their own intellectual independence in museums (both) and in continuing education (Trump), rather than a department of archaeology or a heritage organization.

MacKie graduated in Archaeology and Anthropology from St. John's Cambridge in 1959 and took his PhD from the University of Glasgow in 1973, becoming, after a brief period at the British Museum, Keeper and Deputy Director (1986) of the University Hunterian Museum. As a graduate he took part in an expedition to British Honduras, directing the excavation of the Maya site of Xunantunich, leading to an interest in Mesoamerican archaeology throughout his life.

His excavation of brochs such as Dun Mor Vaul on Tiree, published in 1975, Dun Ardtreck on Skye published in 2000 and Leckie in Stirlingshire published in 2008, were fundamental in uncovering the sequence, material culture and chronology of these monuments. He gathered information for his important three-volume compendium on brochs from his own excavations and the investigations of others, undertaking research well into retirement (1998), publishing the final volume in 2007. These volumes are landmarks of data on the subject, a resource which provides a platform for all broch studies. His achievements were also celebrated in his Festschrift, *In the Shadow of the Brochs* (2002), showing the respect shown to him by younger generations.

He ventured far and wide in his more interpretative work. Some of his interpretations of broch builders and their monuments are no longer widely held and the chronologies are currently being reconsidered, but his stimulating approach to ideas endures. He



Figure 0.2. *Euan MacKie on Mousa broch in the Shetlands in 2000 at the Tall Stories conference.*

was passionate about many other subjects including his seminal work in prehistoric metrology and archaeoastronomy. The volume *Science and Society in Prehistoric Britain* (1977) was a central work for Glyn Daniel's teaching in Cambridge, and he made the valid point that the sophistication of prehistory is not to be underestimated. His interest in ethnography, no doubt drawing on his Arch and Anth undergraduate career at Cambridge, gave him a great respect for other ways of thinking and for the architectural and political achievements of prehistoric Britain, most notably for the builders of the brochs themselves in the Iron Age.

Chapter 3

Monuments and memory in the Iron Age of Caithness

Graeme Cavers, Andrew Heald & John Barber

Scotland's brochs, and particularly the broch village complexes that typify the later prehistoric settlement record of the north mainland, Orkney and Shetland, are often thought of as enduring monuments of Iron Age society: towers of prehistory that are relevant in discussions of archaeology from the mid-first millennium BC to the early medieval period. Recent research in Caithness (Fig. 3.1), however, is beginning to demonstrate the nuances of development and reconfiguration that are attested in the drystone construction of broch complexes, suggesting a dynamism in the development of broch settlements that is often masked by the impression of their longevity. This chapter considers how the revision of sequences based upon surface survey has brought about a change in our understanding of the role of brochs in Iron Age society, and may lead to a more nuanced view of the development of Iron Age society in the north.

It is now nearly 20 years since the publication of Heald and Jackson's paper, 'Towards a Research Agenda for Iron Age Caithness' (Heald & Jackson 2001). That paper reviewed evidence for Caithness and considered a range of scenarios in explanation for the remarkable arrangement of brochs found there. Many of the questions posed by the Caithness Iron Age could be exemplified by the Keiss cluster, where three quite different broch settlements, with apparently overlapping occupation sequences are found in very close proximity. Should the close proximity of these sites be attributed to chronological succession, varied function or varied status?

Heald and Jackson considered the bases upon which our judgements on these issues were made, and suggested that 'status' of individual settlements was assessed on flawed criteria, such as access to imports and sizes of structures (2001,142). They stressed that, given the complexity and close juxtapositioning of many Caithness brochs, if we were ever to reach a fuller understanding of Iron Age Caithness, then we would have to broaden our methodological approach and consider more than one site: it would be necessary to consider issues of structural complexity, location, inter-site patterning, and the fluid and developing nature of the Caithness landscape. By taking such an approach it may be possible to model the dynamic and changing character of contemporary social and political arrangements. Focussing on one site, they stressed, would only lead to a partial and simplistic view of Iron Age Caithness.

The broch 'icon': a creation of archaeological historiography or the reality of Iron Age political geography?

Heald and Jackson were attempting to clarify the apparently monolithic impression of Iron Age Caithness presented by simple distribution maps: the area has almost 200 brochs, a far greater density than any other area of Atlantic Scotland. This is the crux of the issue in Iron Age Caithness: the tension between the apparently very large numbers of brochs and their interpretation as symbols of power and authority (e.g. Barrett 1981, 215; Hingley 1992, 40) The examination of this conventionally accepted view of brochs (and to some extent Iron Age monumentality more generally) is one of the key issues considered by our research in northern Scotland.

The implication of endurance and longevity, exemplified in the title of the monograph report of the Howe (*Four Millennia of Orkney Prehistory*, Ballin-Smith 1994) is recurrent in descriptions of Iron Age settlement, particularly in northern Scotland, establishing brochs as physical and iconic landmarks in the landscape of prehistory. The concerted efforts of numerous campaigns of excavation, largely in the 1990s by Edinburgh (Harding 2000) and Sheffield

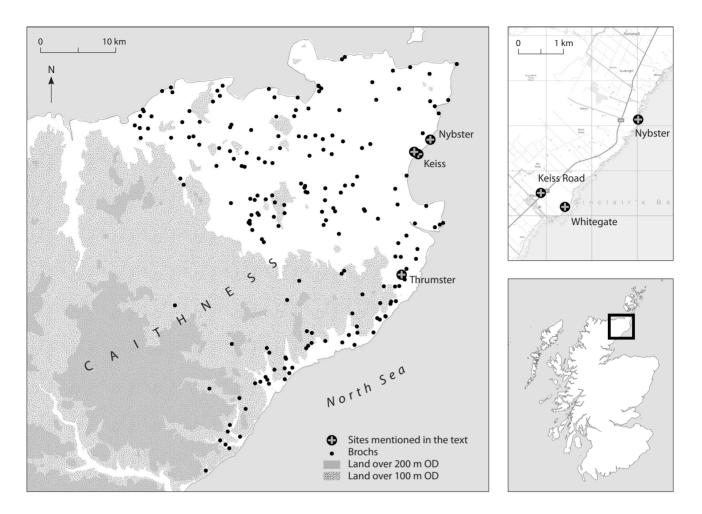


Figure 3.1. Location of Caithness and distribution of broch sites.

(e.g. Parker Pearson & Sharples 1999) Universities and latterly by Bradford at Scatness (Dockrill et al. 2010) have pushed beyond reasonable question the origins of broch towers well into the middle third of the first millennium BC, demonstrating clearly that broch settlements were indeed relevant in Iron Age society for a remarkably long time: at least three or four centuries and very probably longer. Studies of brochs and broch landscapes have always struggled, however, to reconcile convincingly the variability of design in brochs and broch-like structures across geographical space and through time, and while problems of chronology inherited from twentieth-century diffusionist agendas compressed the currency of brochs into an improbably brief historical horizon, other geographical studies have perhaps been guilty of the opposite mistake, uncritically taking broch distributions as representative of the complete configuration of the settled landscape.

One of our principal research aims in our Caithness work, therefore, has been to try to understand the socio-political context that gives rise to the brochs, and how that changes through time. As is often reiterated, Caithness has more brochs per square kilometre than any other region of Scotland, and a fair percentage of the overall total. Several of the larger broch settlements of the county were certainly on the scale of Gurness, Midhowe and Lingro in Orkney, but it is clear from careful examination of these sites that their histories were long and complex, and that radical reconfiguration, rebuilding and reorganization was the norm rather than the exception. At face value, then, Caithness offers an opportunity to evaluate the interrelationships between Iron Age settlements, to explore their relative status within society and to examine the definition of the broch icon within the societies that created them.

From the offset, however, we are faced with the dilemma of the fluidity of broch settlement configuration and the density of the apparent nodal points of Iron Age activity in Caithness. Ongoing excavations at brochs in Caithness are beginning to demonstrate Monuments and memory in the Iron Age of Caithness



Figure 3.2. Survey of Nybster broch 'village'.

that what appear to be static and unchanging monuments in the prehistoric landscape were in fact highly plastic in both form and function, with individual structures regularly undergoing radical redesign over short periods, changes that must surely be seen as direct responses to changes in the social and political context of the area.

Surveying the foundations in Caithness

The unique experience of the antiquarian period in Caithness, and in particular the enthusiastic efforts of the mining entrepreneur Francis Tress Barry (e.g. Anderson 1901), has meant that a large number of sites are open and clear of rubble, meaning that the wall faces of roundhouses and their external village-like settlements are exposed and visible. Detailed surface survey of such sites, inspecting build characteristics and stratigraphic relationships has allowed us to arrive at broad relative chronologies for the development of substantial roundhouses and associated cellular 'village' phases on these settlements, even in the absence of modern excavation. At Nybster, Keiss Road and the Keiss foreshore brochs investigated by Tress Barry it was possible to identify phases of construction and build a relative chronology as the hypothesis to be tested by excavation (Fig. 3.2).

Sequences built on superficial survey alone can only provide relative chronologies, however, and the net effect of this is the simplification of the biographies of what we now know are extremely fluid configurations of settlement. The use of comparanda from other settlements to provide chronological 'hooks' to hang the sequences on contributes to the impression of continuity: by matching morphological characteristics of buildings to cherry-picked examples from better-dated settlements, the characteristic arrangements of dated horizons recognizable on model broch complexes creates the temptation, unjustifiably, to envisage an uninterrupted developmental evolution of settlements like Nybster and Keiss Road over the course of some 800 years.



Figure 3.3. Aerial view of the broch at Nybster, Auckengill, Caithness (photo: RCAHMS).

Excavation at three Atlantic roundhouse sites – Nybster, Thrumster and Whitegate – have led us to question the impression of continuity given by the face value of the evidence. Where we have looked closely, and tested sequential hypotheses, we see that far from the enduring monuments of prehistory, the brochs settlements of Caithness were plastic and malleable to the changes of prehistoric society, and that the function (and therefore very likely the perceived meaning) of thick walled circular buildings was far from static over the centuries of their use.

Nybster: a study in Iron Age settlement development

Nybster broch is one of the most substantial broch settlements known in Caithness (Fig. 3.3). It was clearly a major settlement of the Iron Age centuries, with an extensive external 'cellular' village centred around a massive-walled roundhouse. The rabbit-warren effect of Sir Francis Tress Barry's excavations have left us with an incomplete jigsaw puzzle to be interpreted by survey and trial excavation, but on the basis of observable physical relationships and alignment with wider paradigms a relative chronology and bracketing absolute chronology for the development of the site was constructed.

Our hypothesis of the site's chronology was tested by excavation of what we anticipated were the two ends of the site's chronology: the phase 1 enclosing rampart (considered to represent the early enclosure of the promontory, perhaps similar in style to Midhowe's primary rampart; Hedges 1987; MacKie 2002, 239) and the phase 3 cellular or ventral roundhouses (similar in form to 'Pictish' structures investigated in Orkney and the Western Isles (Neighbour & Burgess 1996; Ritchie 1979). Several of our assumptions were disproven by the results, and we were forced to reexamine the impression of longevity presented by desk-based study of building forms.

Our working hypotheses for the investigation of Nybster was that the site comprised an early to middle Iron Age enclosed promontory containing a broch tower (albeit of peculiar type, since it appears to lack any of the complex architectural features associated with complex Atlantic roundhouses) and subsequent 'Pictish' period cellular-style settlement of the type familiar from many other excavated settlements in the north. Our investigations, however, of the so-called 'Pictish' figure-of-8, or ventral buildings



Figure 3.4. General view of the cellular building, OB2, at Nybster, during excavation.

have encountered well preserved occupation deposits that have been radiocarbon dated and that show that these buildings were probably well established by the later first century AD (Fig. 3.4). The previously simple picture is furthermore complicated by oblong stalled structures, of the type identified and dated to Howe's phase 8 in the fifth and sixth centuries AD (Ballin Smith 1994), but also to late phases of other sites like the Wag of Forse (Curle 1950). OB3 at Nybster had been taken as an example of this class of building, but it shares a wall with a cellular roundhouse which can now be stratigraphically tied to a construction horizon in the first or second centuries AD.

The defences

The enclosure defences at Nybster further complicated the sequence. Again, on the basis of surface survey, this structure seemed stratigraphically secure in the earliest phases of the site, probably contemporary with the Atlantic roundhouse and possibly even stylistically similar to the blockhouses of Shetland, now generally agreed to relate to the earlier phases of broch chronology (see discussion by Harding 2004, 150). Excavation of the rampart demonstrated, however, that the Nybster rampart was very much a composite structure, the latest and most monumental phase of which involved a major remodelling of the entrance to create a massive complex-walled rampart (Fig. 3.5), accessed via a causeway over a ditch that was at least 3 m deep. Radiocarbon dates place the construction of this massive, second-phase rampart in the first to third centuries AD, while dates from the collapse were returned in the fifth/sixth centuries AD.

Nybster: discussion

The results of this excavation not only give us cause to review the sequential position of massive walled enclosures of Iron Age settlements in the north, but also raise very interesting questions over the concept of settlement monumentality in the post-broch period. From a methodological point of view, it is worth stressing that our understanding of this sequence could only have come from our decision to excavate trenches placed over the walls of these structures, not between them.

The Nybster experience in the first instance illustrates the care that needs to be taken in the application of general sequences across large areas of northern



Figure 3.5. General view of the Nybster rampart during excavation.

Scotland. Excavations very quickly demonstrated that the impression of longevity given by surface survey was misleading, and that there was no need to pull the chronology of the ventral roundhouses into the middle centuries of the first millennium AD as might have been tempting based on parallels with other sites. These structures, as well as the most monumental phase of the enclosing rampart's use, were probably well established by the first century AD.

The Nybster sequence, furthermore, sounds a clear warning against the simplistic assumption that domestic monumentality declined in the centuries following the peak of broch building activity, perhaps in the period following the turn of the millennium. As we have seen, the settlement would have been an imposing fortification, with the undeniably monumental rampart positioned above a deep rock-cut ditch creating an imposing structure. Again, this most monumental phase of enclosure probably occurred in the post-broch period, in the first or second centuries AD, and must surely indicate that the concept of domestic monumentality went far beyond the broch tower alone.

The Phase 1 rampart and roundhouse remain undated, but pre-date the first/second century reconfiguration and both are placed on a plough soil 20 cm deep, implying they were planned contemporaneously and as the primary structures on the promontory. A reliable *terminus post quem* remains to be demonstrated, but is certainly in the earlier Iron Age, and may be comparable for those obtained from Gob Eirer, a coastal promontory fort on the Isle of Lewis, spanning the ninth to fourth centuries BC (Nesbitt *et al.* 2011, 47–8). The well known broch villages of the north, then, might tend to lead us towards a view of continuity that may not be represented by the excavated evidence. Where relative chronology is tested, the impression is of constant reconfiguration and rebuilding, perhaps reflecting short term ebbs and flows of the significance of these sites in the local political landscape.

Thrumster broch

Similarly, the excavations at Thrumster broch brought into focus just how malleable the Atlantic roundhouse structures of the northern Iron Age really are. Like Nybster, Thrumster broch had been cleared out by antiquarian investigators in the nineteenth century (MacKie 2007a, 448), meaning that our excavations were able to investigate all phases of the site's construction evident in the readily exposed stonework.



Figure 3.6. View of the galleries at Thrumster broch, during excavation.

The results demonstrate a long and complex history of construction, modification and alteration over the course of several centuries.

Like the Nybster roundhouse, on the basis of surface survey, Thrumster was peculiar, lacking many of the key characteristics that are taken to denote the presence of a broch tower, and there was nothing unequivocal to indicate the presence of intramural galleries or other complex architectural features prior to excavation. A confusing arrangement of multiple visible wall faces and apparent revetments meant that pre-excavation analysis was unhelpful in clarifying the structural history of the site, a situation that was further complicated by the unknown extent of Victorian excavation, rebuilding and gardening (Fig. 3.6).

The Thrumster sequence

It was unclear, then, whether Thrumster represented a solid-walled roundhouse, perhaps a simple Atlantic roundhouse, or something more closely related to a true broch structure. The reality was none (or perhaps all) of these things. The Thrumster settlement was seen to have had a highly complex history of construction and modification, beginning with the establishment of the site as a relatively slight-walled roundhouse in the early Iron Age, very likely in the third century BC and probably established on the site of an even earlier enclosed settlement which was overwritten by later building. After this date (but before a hiatus in activity in the second century BC) the site was converted to a complex-walled, monumental roundhouse designed on the 'broch' template, and almost certainly with tower-like proportions. Following a period of little detectable activity the broch was reused for what may have been a relatively short-lived episode in the period 194 to 40 cal. BC.

Following a second hiatus in activity and very probably a catastrophic collapse, the structure was again radically reorganized in the third or fourth centuries AD, including a major modification of the entrance to the structure and possibly even involving its relocation to a modified wall cell. Structural analysis of the wall remains has shown that the 'broch' style roundhouse was certainly capable of supporting a structure of tower-like proportions, but it is very probable that by this later phase the structure was no longer tower-like, with the wall configuration no longer capable of supporting the weight of a structure taller than perhaps 3 or 4 m in height.

Thrumster: discussion

This simplistic description of the complex Thrumster sequence has several implications for our interpretations of broch structures more generally. Firstly, the results demonstrate very clearly the futility of founding broad-brush interpretations of broch structures in Caithness based on surface survey, since the visible configuration should be expected to represent only one episode, possibly palimpsest in nature, in what is very probably a complex history. The implications for the interpretation of material culture and its chronological (and therefore social) significance are similarly clear, with major reworking of soft deposits likely to accompany structural modifications. It is also important to reiterate that these results could only have been obtained through excavation of the walls of the structure themselves: these major structural changes were simply not recognizable in associated soil deposits.

The Thrumster broch went through multiple constructional phases, sometimes involving rearrangements so radical that the earlier phase was barely distinguishable, and the site apparently grew and receded in monumentality over time. Radiocarbon dates suggest that the site underwent these reconfigurations repeatedly from the earlier Iron Age through to earlier first millennium AD. In the latest phases of activity, Thrumster ultimately followed a similar trajectory to other Caithness brochs, finally ending up as a burial mound of the early historic period (see Batey 2002, 188). It is possible that the tendency for repetition of characteristics in Caithness broch sequences has in the past led to assumption of similarity across the board, and that what we are missing are the nuances of social change which, far from being solidified in drystone monuments, are reflected in their extreme plasticity.

Whitegate: a warning

One further site excavated as part of this programme gives further cause for warning, and demonstrates how Iron Age structures probably changed radically in both form and function. At Whitegate, one of the Keiss cluster (Anderson 1901, 127–30), excavation in 2006 and 2007 demonstrated that the site comprised a massive walled roundhouse, with the large number of animal and human bones deposited in the mural cells, probably in the early centuries AD, one of several characteristics of this site that raise serious questions over the domestic function of the building (Fig. 3.7). Again, pre-excavation survey had suggested that Whitegate fell into the simple walled roundhouse category, while antiquarian finds seemed to support an early dating of the structure. The reality demonstrated



Figure 3.7. *Excavation of human and animal remains in the Whitegate mural cells.*

by excavation further underlines the consistency with which Iron Age settlements in the north were radically redesigned, but also warns against any simplistic equation of roundhouse with domestic structure, at least in every phase of the site's use. In lacking a typical domestic assemblage and containing unusual structured deposits, Whitegate may raise questions over how buildings with ritual or other non-domestic functions would be recognized in the Atlantic Iron Age, and how different a shrine or similar building might look to the evidence recovered here.

Like the other sites discussed here, Whitegate went through repeated phases of reconfiguration, but several objects, such as a complete pot of Early Iron Age date, not to mention the mix of human and animal bones deposited in the wall cells, survived within the building throughout the later activity. Aside from this single exceptional pot and the remarkable bone assemblage, there was very little else in the way of domestic material culture recovered from that excavation. The warning that Whitegate gives us is that there was clearly more to the landscape of Caithness than brochs and broch-like settlements, and it is disingenuous to characterize Caithness as settled by brochs to the exclusion of all other settlement forms.

Discussion

Our experiences in Caithness raise several key issues with ramifications for the interpretation of Iron Age settlement more generally, and specifically for the interpretation of brochs.

Firstly, the concept of settlement location was extremely durable through later prehistory. Taking into account the probable ratio of archaeological survival of broch settlements (see Tait 2005) and the possible percentage of false identifications, Caithness still has such a large number of brochs that modern survey must be able to make some informed estimate of the original number. Without exception, the excavated examples demonstrate a history that is to be measured in centuries, rather than decades. While the form and layout of the settlements changed (and therefore, perhaps the *meaning*, in the iconic sense that has been discussed in the past by Armit (e.g. 1996, 131), Hingley (1992, 14-15), Sharples and Parker Pearson (1999), then, the locations stayed relatively constant as nodal points of activity in the landscape. This fact must have a considerable impact on the collective memory of the local populations.

These patterns hint at flexibility of Atlantic Iron Age settlement that may tend to be disguised by the physical stature of the settlements. There is growing evidence for seasonality of settlement in the Iron Age record of southern Scotland and certainly for the intermittent and repetitive occupation of defended enclosures, but the perceived monumentality of broch settlements in the north and west tends to lead to an assumption of continuity that may be more imagined than real. Discussions of the duration of occupation of later prehistoric settlements have tended to emphasize the probability of short occupation of individual roundhouses (e.g. Barber & Crone 2001), a pattern that has direct implications for the arrangement of agricultural and pastoral regimes (and so presumably land division) in the local area, and the bulk of recent research on the timber-built settlements of southern Scotland continues to support the view of relatively fleeting, but repeated occupation of settlement locations. Caithness flagstone has long been recognized as the timber of prehistory in the north; its resistance to decay should not, and properly interrogated, does not disguise the patterns of reconfiguration, abandonment, and reoccupation that are plotted in intersecting post holes and ring-grooves elsewhere.

Thrumster broch demonstrates clearly, however, that the freedom of expression in Iron Age architecture was not unbound by parameters of design, and it is perhaps here that we can introduce a concept that we have found useful in our discussions of broch settlement development: that of the canonicity of the 'broch' form (see Barber et al., this volume). That the form and layout of a 'broch' was a recognized template to be emulated is reflected in the reworking of the existing Thrumster roundhouse into something that fitted the socially accepted concept of a broch, long after its original layout as a settlement. It may be possible to see this as illustration of the way that the broch symbol was employed at different stages in the development of different sites, as the broch tower became relevant to the social conditions, or social standing of the occupants at the time.

Numerous interpretations have been offered for the logic behind broch building, the currently prevailing preference is that the broch was a statement of authority of the occupant group (see Armit 2002, 2005, for example). The meaning of such buildings was unlikely to have been static through time, however, while variability in concept of the monumental round 'house' in the Atlantic Iron Age is perhaps hinted at by the results from Whitegate, the latter does not easily fit the definition of a domestic structure by any standard definition of the term.

Conclusion: brochs and the architecture of society

Our derivation of social models for the Iron Age must account for the appearance, modification and reconstruction of architecture that is apparent in the excavated evidence. Other writers have explored the idea of the iconic status of broch towers, perhaps playing a role in demonstrating the autonomy and legitimacy of the occupants in periods of territorial pressure. Our experience in Caithness demonstrates that the development and decline of domestic monumentality was not a linear process, and that the requirements of domestic architecture changed dramatically over the lifespan of any individual settlement.

Armit, Sharples and others have discussed the impact of the construction of brochs on the patterns of inheritance and the continuity of communities in Atlantic Scotland (e.g. Sharples 2005), arguing that, in contrast to the more transient cellular structures of the Atlantic Iron Age, brochs remain resistant to modification and stand as metaphors for the occupant community and their relationship to the local environment. As such, they are memory monuments. Several authors have taken this view of the broch as the enduring monument of Iron Age society, closely associated with the ancestors and lending legitimacy to the occupant group. The evidence from Caithness leads us to believe not only that this metaphor was not consistent in its meaning on individual sites through time, but also that settlement monumentality took different forms in different stages of a site's development. The changes written in the reconfiguration of broch settlements in Caithness may reflect a much more heterogeneous and fluid settlement configuration than is often recognized, and may imply the importance of other elements of the settled landscape that are less frequently studied (cf. Cowley 1999, 73-4). Memory is as malleable as the monuments themselves.

Monuments and memory: brochs as physical and conceptual raw material

Brochs constitute raw material for the architecture of Iron Age society. Far from enduring and unchanging, they were plastic and highly sensitive to the prevailing socio-cultural conditions. Locations, however, retained significance to the extent that broch mounds were seen as suitable places for burial in the late Iron Age and early Historic periods, even when all recognizable traces of the settlement and its structures must have been lost. In contrast to the monumental impression given by broch structures, it was in fact the locations of broch settlements that were most enduring, with the physical forms of the structures themselves being highly fluid and susceptible to change. The repeated decision to use the same locations must reflect a perceived importance that went beyond the practicalities of convenient sources of stone. It is possible that the repeated use of the same locations reflects the coalescence of the landscape into territorial or administrative units; the comparison of later medieval land division to the distribution of long-lived broch settlements may be illuminating (cf. Halliday 2002).

What has always been troubling in the interpretation of the Atlantic Iron Age is the dichotomous tension between the view of brochs as symbols of independence of the occupant group and pinnacles of tyrannical elites. One alternative - if controversial - hypothesis might be to see the broch phenomenon as relatively short lived, with the tower-like phase of many broch settlements occurring within the same relatively short horizon in a competitive political landscape, after which these established nodal points became the canvas onto which the rise and fall of localized elites were written. It is possible that few broch towers survived far beyond the original constructional generation, with the ever-changing political landscape determining that some grew and developed, while others were dismantled and reconfigured as cellular settlements. In this model, broch settlements would physically and conceptually provide the raw material for later arrangements, and it is possible that rebuilders attempted to key into the perceived power of the location by reusing brochs. By the Norse period, this may have translated into the desire to bury the deceased with the ancestors of an heroic age, as suggested by the recurrent appearance of early historic burials on abandoned broch mounds.

Our research may help to move us towards a more sophisticated view of architecture in the Iron Age: rather than seeing brochs as enduring statements of authority, they can be seen as representative of the wax and wane of localized authority through time. It is possible that this view of brochs as fluid and responsive to change helps to reconcile the dichotomy of power and community represented in areas densely populated by brochs. We believe that these conclusions bring us closer to an understanding of the nature of broch settlement development in northern Scotland, and closer to the complex reality of Iron Age political geography in areas like Caithness.

Gardening time

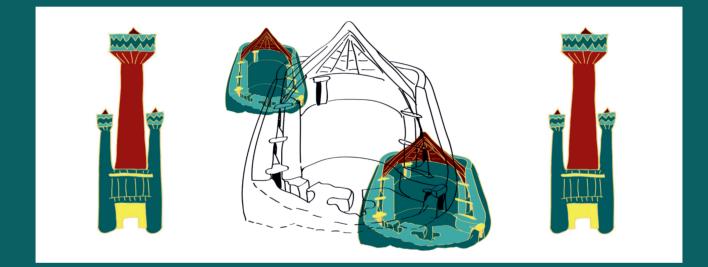
Gardening may seem worlds away from *Nuraghi* and brochs, but tending a garden is a long process involving patience, accretion and memory. Scholars argue that memories are also cultured, developed and regained. The monuments in Scotland and Sardinia are testament to the importance of memory and its role in maintaining social relations.

This collection of twenty-one papers addresses the theme of memory anchored to the enduring presence of monuments, mainly from Scotland and Sardinia, but also from Central Europe and the Balkans.

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