The temporality of the landscape

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Prologue

I adhere to that school of thought which holds that social or cultural anthropology, biological anthropology and archaeology form a necessary unity – that they are all part of the same intellectual enterprise (Ingold 1992a: 694). I am not concerned here with the link with biological or 'physical' anthropology, but what I have to say does bear centrally on the unifying themes of archaeology and social-cultural anthropology. I want to stress two such themes, and they are closely related. First, human life is a process that involves the passage of time. Second, this life-process is also the process of formation of the landscapes in which people have lived. *Time* and *landscape*, then, are to my mind the essential points of topical contact between archaeology and anthropology. My purpose, in this article, is to bring the perspectives of archaeology and anthropology into unison through a focus on the temporality of the landscape. In particular, I believe that such a focus might enable us to move beyond the sterile opposition between the naturalistic view of the landscape as a neutral, external backdrop to human activities, and the culturalistic view that every landscape is a particular cognitive or symbolic ordering of space. I argue that we should adopt, in place of both these views, what I call a 'dwelling perspective', according to which the landscape is constituted as an enduring record of – and testimony to – the lives and works of past generations who have dwelt within it, and in so doing, have left there something of themselves.

For anthropologists, to adopt a perspective of this kind means bringing to bear the knowledge born of immediate experience, by privileging the understandings that people derive from their lived, everyday involvement in the world. Yet it will surely be objected that this avenue is not open to archaeologists concerned with human activities in the distant past. 'The people', it is said 'they're dead' (Sahlins 1972: 81); only the material record remains for their successors of our own time to interpret as best they can. But this objection misses the point, which is that *the practice of archaeology is itself a form of dwelling*. The knowledge born of this practice is thus on a par with that which comes from the practical activity of the native dweller and which the anthropologist, through participation, seeks to learn and understand. For both the archaeologist and the native dweller, the landscape tells – or rather *is* – a story. It enfolds the lives and times of predecessors who, over the generations, have moved around in it and played their part in its formation. To perceive the landscape is therefore to carry out an act of remembrance, and remembering is not so much a matter of calling up an internal image, stored in the

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mind, as of engaging perceptually with an environment that is itself pregnant with the past. To be sure, the rules and methods of engagement employed respectively by the native dweller and the archaeologist will differ, as will the stories they tell, nevertheless – in so far as both seek the past in the landscape – they are engaged in projects of fundamentally the same kind.

It is of course part of an archaeological training to learn to attend to those clues which the rest of us might pass over (literally, when they are below the surface), and which make it possible to tell a fuller or a richer story. Likewise, native dwellers (and their anthropological companions) learn through an education of attention. The novice hunter, for example, travels through the country with his mentors, and as he goes, specific features are pointed out to him. Other things he discovers for himself, in the course of further forays, by watching, listening and feeling. Thus the experienced hunter is the *knowledgeable* hunter. He can tell things from subtle indications that you or I, unskilled in the hunter's art, might not even notice. Called upon to explicate this knowledge, he may do so in a form that reappears in the work of the non-native ethnographer as a corpus of myths or stories, whereas the archaeologist's knowledge – drawn from the practices of excavation rather than hunting – may appear in the seemingly authoritative form of the site report. But we should resist the temptation to assume that since stories are stories they are, in some sense, unreal or untrue, for this is to suppose that the only real reality, or true truth, is one in which we, as living, experiencing beings, can have no part at all. Telling a story is not like weaving a tapestry to *cover up* the world, it is rather a way of guiding the attention of listeners or readers *into* it. A person who can 'tell' is one who is perceptually attuned to picking up information in the environment that others, less skilled in the tasks of perception, might miss, and the teller, in rendering his knowledge explicit, conducts the attention of his audience along the same paths as his own.

Following that preamble, I shall now go on to lay out the burden of my argument. This is presented in four principal sections. In the first two, I attempt to specify more precisely what I mean by my key terms – landscape and temporality. I argue that temporality inheres in the pattern of dwelling activities that I call the taskscape. In the third section I consider how taskscape relates to landscape and, ultimately by dissolving the distinction between them, I proceed to recover the temporality of the landscape itself. Finally, I draw some concrete illustrations of my arguments from a well-known painting by Bruegel, *The Harvesters*.

Landscape

Let me begin by explaining what the landscape is *not*. It is not 'land', it is not 'nature', and it is not 'space'. Consider, first of all, the distinction between land and landscape. Land is not something you can see, any more than you can see the weight of physical objects. All objects of the most diverse kinds have weight, and it is possible to express *how much* anything weighs relative to any other thing. Likewise, land is a kind of lowest common denominator of the phenomenal world, inherent in every portion of the earth's surface yet directly visible in none, and in terms of which any portion may be rendered quantitatively equivalent to any other (Ingold 1986a: 153–4). You can ask of land, as of weight, how

much there is, but not what it is like. But where land is thus quantitative and homogeneous, the landscape is qualitative and heterogeneous. Supposing that you are standing outdoors, it is what you see all around: a contoured and textured surface replete with diverse objects – living and non-living, natural and artificial (these distinctions are both problematic, as we shall see, but they will serve for the time being). Thus at any particular moment, you can ask of a landscape what it is like, but not how much of it there is. For the landscape is a plenum, there are no holes in it that remain to be filled in, so that every infill is in reality a reworking. As Meinig observes, one should not overlook 'the powerful fact that life must be lived amidst that which was made before' (1979a: 44).

The landscape is not 'nature'. Of course, nature can mean many things, and this is not the place for a discourse on the history of the concept. Suffice it to say that I have in mind the rather specific sense whose ontological foundation is an imagined separation between the human perceiver and the world, such that the perceiver has to reconstruct the world, in consciousness, prior to any meaningful engagement with it. The world of nature, it is often said, is what lies 'out there'. All kinds of entities are supposed to exist out there, but not you and I. We live 'in here', in the intersubjective space marked out by our mental representations. Application of this logic forces an insistent dualism, between object and subject, the material and the ideal, operational and cognized, 'etic' and 'emic'. Some writers distinguish between nature and the landscape in just these terms – the former is said to stand to the latter as physical reality to its cultural or symbolic construction. For example, Daniels and Cosgrove introduce a collection of essays on *The Iconography of Landscape* with the following definition: 'A landscape is a cultural image, a pictorial way of representing or symbolising surroundings' (1988: 1).

I do not share this view. To the contrary, I reject the division between inner and outer worlds – respectively of mind and matter, meaning and substance – upon which such distinction rests. The landscape, I hold, is not a picture in the imagination, surveyed by the mind's eye; nor, however, is it an alien and formless substrate awaiting the imposition of human order. 'The idea of landscape', as Meinig writes, 'runs counter to recognition of any simple binary relationship between man and nature' (Meinig 1979b: 2). Thus, neither is the landscape identical to nature, nor is it on the side of humanity *against* nature. As the familiar domain of our dwelling, it is *with* us, not against us, but it is no less real for that. And through living in it, the landscape becomes a part of us, just as we are a part of it. Moreover, what goes for its human component goes for other components as well. In a world construed as nature, every object is a self-contained entity, interacting with others through some kind of external contact. But in a landscape, each component enfolds within its essence the totality of its relations with each and every other. In short, whereas the order of nature is explicate, the order of the landscape is implicate (Bohm 1980: 172).

The landscape is not 'space'. To appreciate the contrast, we could compare the everyday project of dwelling in the world with the rather peculiar and specialized project of the surveyor or cartographer whose objective is to *represent* it. No doubt the surveyor, as he goes about his practical tasks, experiences the landscape much as does everyone else whose business of life lies there. Like other people, he is mobile, yet unable to be in more than one place at a time. In the landscape, the distance between two places, A and B, is experienced as a journey made, a bodily movement from one place to the other, and the gradually changing vistas along the route. The surveyor's job, however, is to take

instrumental measurements from a considerable number of places, and to combine these data to produce a single picture which is *independent* of any point of observation. This picture is of the world as it could be directly apprehended only by a consciousness capable of being everywhere at once and nowhere in particular (the nearest we can get to this in practice is by taking an aerial or 'bird's-eye' view). To such a consciousness, at once immobile and omnipresent, the distance between A and B would be the length of a line plotted between two points that are simultaneously in view, that line marking one of any number of journeys that could potentially be made (cf. Bourdieu 1977: 2). It is as though, from an imaginary position above the world, I could direct the movements of my body within it, like a counter on a board, so that to say 'I am here' is not to point from somewhere to my surroundings, but to point from nowhere to the position on the board where my body happens to be. And whereas actual journeys are made through a landscape, the board on which all potential journeys may be plotted is equivalent to space.

There is a tradition of geographical research (e.g. Gould and White 1974) which sets out from the premise that we are all cartographers in our daily lives, and that we use our bodies as the surveyor uses his instruments, to register a sensory input from multiple points of observation, which is then processed by our intelligence into an image which we carry around with us, like a map in our heads, wherever we go. The mind, rather than reaching into its surroundings from its dwelling place within the world, may be likened in this view to a film spread out upon its exterior surface. To understand the sense of space that is implicated in this cartographic view of environmental perception, it is helpful to draw an analogy from the linguistics of Ferdinand de Saussure. To grasp the essence of language, Saussure invites us to picture thought and sound as two continuous and undifferentiated planes, of mental and phonic substance respectively, like two sides of a sheet of paper. By cutting the sheet into pieces (words) we create, on one side, a system of discrete concepts, and on the other, a system of discrete sounds; and since one side cannot be cut without at the same time cutting the other, the two systems of division are necessarily homologous so that to each concept there corresponds a sound (Saussure 1959: 112–13). Now when geographers and anthropologists write about space, what is generally implied is something closely akin to Saussure's sheet of paper, only in this case the counter-side to thought is the continuum not of phonic substance but of the surface of the earth. And so it appears that the division of the world into a mosaic of externally bounded segments is entailed in the very production of spatial meanings. Just as the word, for Saussure, is the union of a concept with a delimited 'chunk' of sound, so the place is the union of a symbolic meaning with a delimited block of the earth's surface. Spatial differentiation implies spatial segmentation.

This is not so of the landscape, however. For a place in the landscape is not 'cut out' from the whole, either on the plane of ideas or on that of material substance. Rather, each place embodies the whole at a particular nexus within it, and in this respect is different from every other. A place owes its character to the experiences it affords to those who spend time there – to the sights, sounds and indeed smells that constitute its specific ambience. And these, in turn, depend on the kinds of activities in which its inhabitants engage. It is from this relational context of people's engagement with the world, in the business of dwelling, that each place draws its unique significance. Thus whereas with space, meanings are *attached to* the world, with the landscape they are *gathered from* it. Moreover, while

places have centres – indeed it would be more appropriate to say that they *are* centres – they have no boundaries. In journeying from place A to place B it makes no sense to ask, along the way, whether one is 'still' in A or has 'crossed over' to B (Ingold 1986a: 155). Of course, boundaries of various kinds may be drawn in the landscape, and identified either with natural features such as the course of a river or an escarpment, or with built structures such as walls and fences. But such boundaries are not a condition for the constitution of the places on either side of them; nor do they segment the landscape, for the features with which they are identified are themselves an integral part of it. Finally, it is important to note that no feature of the landscape is, of itself, a boundary. It can only become a boundary, or the indicator of a boundary, in relation to the activities of the people (or animals) for whom it is recognized or experienced as such.

In the course of explaining what the landscape is not, I have already moved some way towards a positive characterization. In short, the landscape is the world as it is known to those who dwell therein, who inhabit its places and journey along the paths connecting them. Is it not, then, identical to what we might otherwise call the environment? Certainly the distinction between landscape and environment is not easy to draw, and for many purposes they may be treated as practically synonymous. It will already be apparent that I cannot accept the distinction offered by Tuan, who argues that an environment is 'a given, a piece of reality that is simply there', as opposed to the landscape, which is a product of human cognition, 'an achievement of the mature mind' (Tuan 1979: 90, 100). For that is merely to reproduce the dichotomy between nature and humanity. The environment is no more 'nature' than is the landscape a symbolic construct. Elsewhere, I have contrasted nature and environment by way of a distinction between reality *of* – 'the physical world of neutral objects apparent only to the detached, indifferent observer', and reality *for* – 'the world constituted in *relation* to the organism or person whose environment it is' (Ingold 1992b: 44). But to think of environment in this sense is to regard it primarily in terms of *function*, of what it affords to creatures – whether human or non-human – with certain capabilities and projects of action. Reciprocally, to regard these creatures as organisms is to view them in terms of their principles of dynamic functioning, that is as organized systems (Pittendrigh 1958: 394). As Lewontin succinctly puts it (1982: 160), the environment is 'nature organised by an organism'.

The concept of landscape, by contrast, puts the emphasis on *form*, in just the same way that the concept of the body emphasizes the form rather than the function of a living creature. Like organism and environment, body and landscape are complementary terms: each implies the other, alternately as figure and ground. The forms of the landscape are not, however, prepared in advance for creatures to occupy, nor are the bodily forms of those creatures independently specified in their genetic makeup. Both sets of forms are generated and sustained in and through the processual unfolding of a total field of relations that cuts across the emergent interface between organism and environment (Goodwin 1988). Having regard to its formative properties, we may refer to this process as one of embodiment. Though the notion of embodiment has recently come much into fashion, there has been a tendency – following an ancient inclination in Western thought to prioritize form over process (Oyama 1985: 13) – to conceive of it as a movement of *inscription*, whereby some pre-existing pattern, template or programme, whether genetic or cultural, is 'realized' in a substantive medium. This is not what I have in mind, however.

To the contrary, and adopting a helpful distinction from Connerton (1989: 72–3), I regard embodiment as a movement of *incorporation* rather than inscription, not a transcribing of form onto material but a movement wherein forms themselves are generated (Ingold 1990: 215). Taking the organism as our focus of reference, this movement is what is commonly known as the life-cycle. Thus organisms may be said to incorporate, in their bodily forms, the life-cycle processes that give rise to them. Could not the same, then, be said of the environment? Is it possible to identify a corresponding cycle, or rather a series of interlocking cycles, which build themselves into the forms of the landscape, and of which the landscape may accordingly be regarded as an embodiment? Before answering this question, we need to turn to the second of my key terms, namely 'temporality'.

Temporality

Let me begin, once again, by stating what temporality is *not*. It is not chronology (as opposed to history), and it is not history (as opposed to chronology). By chronology, I mean any regular system of dated time intervals, *in which* events are said to have taken place. By history, I mean any series of events which may be dated in time according to their occurrence in one or another chronological interval. Thus the Battle of Hastings was an historical event, 1066 was a date (marking the interval of a year), and records tell us that the former occurred in the latter. In the mere succession of dates there are no events, because everything repeats; in the mere succession of events there is no time, as nothing does. The relation between chronology and history, in this conception, has been well expressed by Kubler: 'Without change there is no history; without regularity there is no time. Time and history are related as rule and variation: time is the regular setting for the vagaries of history' (1962: 72).

Now in introducing the concept of temporality, I do not intend that it should stand as a third term, alongside the concepts of chronology and history. For in the sense in which I shall use the term here, temporality entails a perspective that contrasts radically with the one, outlined above, that sets up history and chronology in a relation of complementary opposition. The contrast is essentially equivalent to that drawn by Gell (1992: 149–55) between what he calls (following McTaggart) the A-series, in which time is immanent in the passage of events, and the B-series, in which events are strung out in time like beads on a thread. Whereas in the B-series, events are treated as isolated happenings, succeeding one another frame by frame, each event in the A-series is seen to encompass a pattern of retensions from the past and protentions for the future. Thus from the A-series point of view, temporality and historicity are not opposed but rather merge in the experience of those who, in their activities, carry forward the process of social life. Taken together, these activities make up what I shall call the 'taskscape', and it is with the intrinsic temporality of the taskscape that I shall be principally concerned in this section.

We can make a start by returning for a moment to the distinction between land and landscape. As a common denominator in terms of which constituents of the environment of diverse kinds may be rendered quantitatively comparable, I compared land with weight. But I could equally have drawn the comparison with *value* or with *labour*. Value is the denominator of commodities that enables us to say how much any one thing is worth by

comparison with another, even though these two things may be quite unlike in terms of their physical qualities and potential uses. In this sense, the concept of value (in general) is classically distinguished from that of *use*-value, which refers to the specific properties or 'affordances' of any particular object, that commend it to the project of a user (Ingold 1992b: 48–9, cf. J. Gibson 1979: 127; Marx 1930: 169). Clearly, this distinction, between value and use-value, is precisely homologous to that between land and landscape. But if we turn to consider the work that goes into the making of useful things, then again we can recognize that whilst the operations of making are indeed as unlike as the objects produced – involving different raw materials, different tools, different procedures and different skills – they can nevertheless be compared in that they call for variable amounts of what may simply be called 'labour': the common denominator of productive activities. Like land and value, labour is quantitative and homogeneous, human work shorn of its particularities. It is of course the founding premise of the labour theory of value that the amount of value in a thing is determined by the amount of labour that went into producing it.

How, then, should we describe the practices of work in their concrete particulars? For this purpose I shall adopt the term 'task', defined as any practical operation, carried out by a skilled agent in an environment, as part of his or her normal business of life. In other words, tasks are the constitutive acts of dwelling. No more than features of the landscape, however, are tasks suspended in a vacuum. Every task takes its meaning from its position within an ensemble of tasks, performed in series or in parallel, and usually by many people working together. One of the great mistakes of recent anthropology – what Reynolds (1993: 410) calls 'the great tool-use fallacy' – has been to insist upon a separation between the domains of technical and social activity, a separation that has blinded us to the fact that one of the outstanding features of human technical practices lies in their embeddedness in the current of sociality. It is to the entire ensemble of tasks, in their mutual interlocking, that I refer by the concept of *taskscape*. Just as the landscape is an array of related features, so – by analogy – the taskscape is an array of related activities. And as with the landscape, it is qualitative and heterogeneous: we can ask of a taskscape, as of a landscape, what it is like, but not how much of it there is. In short, the taskscape is to labour what the landscape is to land, and indeed what an ensemble of use-values is to value in general.

Now if value is measured out in units of money, and land in units of space, what is the currency of labour? The answer, of course, is *time* – but it is time of a very peculiar sort, one that must be wholly indifferent to the modulations of human experience. To most of us it appears in the familiar guise of clock-time: thus an hour is an hour, regardless of what one is doing in it, or of how one feels. But this kind of chronological time does not depend upon the existence of artificial clocks. It may be based on any perfectly repetitive, mechanical system including that (putatively) constituted by the earth in its axial rotations and in its revolutions around the sun. Sorokin and Merton (1937), in a classic paper, call it 'astronomical' time: it is, they write, 'uniform, homogeneous; . . . purely quantitative, shorn of qualitative variations'. And they distinguish it from 'social time', which they see as fundamentally qualitative, something to which we can affix moral judgements such as good or bad, grounded in the 'rhythms, pulsations and beats of the societies in which they are found', and for that reason tied to the particular circumstances of place and people (1937: 621–3). Adopting Sorokin and Merton's distinction, we could perhaps conclude that whereas labour is measured out in units of astronomical time, or in clock-time

calibrated to an astronomical standard, the temporality of the taskscape is essentially social. Before we can accept this conclusion, however, the idea of social time must be examined a little more closely.

In my earlier discussion of the significance of space, I showed that in the cartographic imagination, the mind is supposed to be laid out upon the surface of the earth. Likewise in the chronological perspective, time appears as the interface between mind and 'duration' – by which is meant an undifferentiated stream of bodily activity and experience. Taking time in this sense, Durkheim famously likened it to 'an endless chart, where all duration is spread out before the mind, and upon which all possible events can be located in relation to fixed and determinate guidelines' (1976[1915]: 10). Rather like Saussure's sheet of paper, it could be compared to a strip of infinite length, with thought on one side and duration on the other. By cutting the strip into segments we establish a division, on the one hand, into calendrical intervals or dates, and on the other hand, into discrete 'chunks' of lived experience, such that to every chunk there corresponds a date in a uniform sequence of before and after. And as every chunk succeeds the next, like frames on a reel of film, we imagine ourselves to be looking on 'as time goes by', as though we could take up a point of view detached from the temporal process of our life in the world and watch ourselves engaged now in this task, now in that, in an unending series of present instants. Whence, then, come the divisions which give chronological form to the substance of experience? Durkheim's answer, as is well known, was that these divisions – 'indispensable guidelines' for the temporal ordering of events – come from *society*, corresponding to the 'periodical recurrence of rites, feasts, and public ceremonies' (ibid.). Thus for Durkheim, time is at once chronological *and* social, for society itself is a kind of clock, whose moving parts are individual human beings (Ingold 1986b: 341).

This is not, however, the way we perceive the temporality of the taskscape. For we do so not as spectators but as participants, in the very performance of our tasks. As Merleau-Ponty put it, in reckoning with an environment, I am 'at my task rather than confronting it' (1962: 416). The notion that we can stand aside and observe the passage of time is founded upon an illusion of disembodiment. This passage is, indeed, none other than our *own* journey through the taskscape in the business of dwelling. Once again we can take our cue from Merleau-Ponty: 'the passage of one present to the next is not a thing which I conceive, nor do I see it as an onlooker, I *effect it*' (1962: 421, my emphasis). Reaching out into the taskscape, I perceive, at this moment, a particular vista of past and future; but it is a vista that is available from this moment and no other (see Gell 1992: 269). As such, it *constitutes* my present, conferring upon it a unique character. Thus the present is not *marked off* from a past that it has replaced or a future that will, in turn, replace it; it rather gathers the past and future into itself, like refractions in a crystal ball. And just as in the landscape, we can move from place to place without crossing any boundary, since the vista that constitutes the identity of a place changes even as we move, so likewise can we move from one present to another without having to break through any chronological barrier that might be supposed to separate each present from the next in line. Indeed the features that Durkheim identified as serving this segmenting function – rites, feasts and ceremonies – are themselves as integral to the taskscape as are boundary markers such as walls or fences to the landscape.

The temporality of the taskscape is social, then, not because society provides an external

frame against which particular tasks find independent measure, but because people, in the performance of their tasks, *also attend to one another*. Looking back, we can see that Durkheim's error was to divorce the sphere of people's mutual involvement from that of their everyday practical activity in the world, leaving the latter to be carried out by individuals in hermetic isolation. In real life, this is not how we go about our business. By watching, listening, perhaps even touching, we continually feel each other's presence in the social environment, at every moment adjusting our movements in response to this ongoing perceptual monitoring (Ingold 1993: 456). For the orchestral musician, playing an instrument, watching the conductor and listening to one's fellow players are all inseparable aspects of the same process of action: for this reason, the gestures of the performers may be said to *resonate* with each other. In orchestral music, the achievement of resonance is an absolute precondition for successful performance. But the same is true, more generally, of social life (Richards 1991; Wikan 1992). Indeed it could be argued that in the resonance of movement and feeling stemming from people's mutually attentive engagement, in shared contexts of practical activity, lies the very foundation of sociality.

Let me pursue the analogy between orchestral performance and social life a little further since, more than any other artistic genre, music mirrors the temporal form of the taskscape. I want, by means of this analogy, to make three points. First, whilst there are cycles and repetitions in music as in social life, these are essentially rhythmic rather than metronomic (on this distinction, see Young (1988: 19)). It is for precisely this reason that social time, *pace* Durkheim, is *not* chronological. A metronome, like a clock, inscribes an artificial division into equal segments upon an otherwise undifferentiated movement; rhythm, by contrast, is intrinsic to the movement itself. Langer has argued that the essence of rhythm lies in the successive building up and resolution of tension, on the principle that every resolution is itself a preparation for the next building-up (1953: 126–7). There may of course be rests or sustained notes within a piece, but far from breaking it up into segments, such moments are generally ones of high tension, whose resolution becomes ever more urgent the longer they are held. Only our last exhalation of breath is not a preparation for the next inhalation – with that, we die; similarly with the last beat the music comes to an end. Social life, however, is never finished, and there are no breaks in it that are not integral to its tensile structure, to the 'ebb and flow of activity' by which society itself seems to breathe (Young 1988: 53).

My second point is that in music as in social life, there is not just one rhythmic cycle, but a complex interweaving of very many concurrent cycles (for an exemplary analysis of 'the rhythmic structures of economic life', see Guyer (1988)). Whilst it reflects the temporal form of social life, music in fact represents a very considerable simplification, since it involves only one sensory register (the auditory), and its rhythms are fewer and more tightly controlled. In both cases, however, since any rhythm may be taken as the tempo for any of the others, there is no single, one-dimensional strand of time. As Langer puts it: 'life is always a dense fabric of concurrent tensions, and as each of them is a measure of time, the measurements themselves do not coincide' (1953: 113). Thus the temporality of the taskscape, while it is intrinsic rather than externally imposed (metronomic), lies not in any particular rhythm, but in the network of interrelationships between the multiple rhythms of which the taskscape is itself constituted. To cite a celebrated anthropological example: among the Nuer of southern Sudan, according to Evans-Pritchard, the passage of time is

'primarily the succession of [pastoral] tasks *and their relations to one another*' (1940: 101–2; my emphasis). Each of these relations is, of course, a specific resonance. And so, just as social life consists in the unfolding of a field of relationships among persons who attend to one another in what they do, its temporality consists in the unfolding of the resultant pattern of resonances.

Third, the forms of the taskscape, like those of music, come into being through movement. Music exists only when it is being performed (it does not pre-exist, as is sometimes thought, in the score, any more than a cake pre-exists in the recipe for making it). Similarly, the taskscape exists only so long as people are actually engaged in the activities of dwelling, despite the attempts of anthropologists to translate it into something rather equivalent to a score – a kind of ideal design for dwelling – that generally goes by the name of 'culture', and that people are supposed to bring with them into their encounter with the world. This parallel, however, brings me to a critical question. Up to now, my discussion of temporality has concentrated exclusively on the taskscape, allowing the landscape to slip from view. It is now high time to bring it back into focus. I argued in the previous section that the landscape is not nature; here I claim that the taskscape is not culture. Landscape and taskscape, then, are not to be opposed as nature to culture. So how are we to understand the relation between them? Where does one end and the other begin? Can they even be distinguished at all? If music best reflects the forms of the taskscape, it might be thought that painting is the most natural medium for representing the forms of the landscape. And this suggests that an examination of the difference, in the field of art, between music and painting might offer some clues as to how a distinction might possibly be drawn between taskscape and landscape as facets of the real world. I begin by following up this suggestion.

Temporalizing the landscape

At first glance the difference seems obvious: paintings do not have to be performed, they are presented to us as works that are complete in themselves. But on closer inspection, this contrast appears more as an artefact of a systematic bias in Western thought, to which I have already alluded, that leads us to privilege form over process. Thus the actual work of painting is subordinated to the final product; the former is hidden from view so that the latter alone becomes an object of contemplation. In many non-Western societies, by contrast, the order of priority is reversed: what is essential is the act of painting itself, of which the products may be relatively short-lived – barely perceived before being erased or covered up. This is so, for example, among the Yolngu, an Aboriginal people of northern Australia, whose experience of finished paintings, according to their ethnographer, is limited to 'images fleetingly glimpsed through the corner of their eyes' (Morphy 1989: 26). The emphasis, here, is on painting as *performance*. Far from being the preparation of objects for future contemplation, it is an act of contemplation in itself. So, too, is performing or listening to music. Thus all at once, the contrast between painting and music seems less secure. It becomes a matter of degree, in the extent to which forms endure beyond the immediate contexts of their production. Musical sound, of course, is subject to the property of rapid fading: speeding outwards from its point of emission, and dissipating

as it goes, it is present only momentarily to our senses. But where, as in painting, gestures leave their traces in solid substance, the resulting forms may last much longer, albeit never indefinitely.

Returning now from the contrast between music and painting to that between taskscape and landscape, the first point to note is that no more than a painting is the landscape given ready-made. One cannot, as Inglis points out, 'treat landscape as an object if it is to be understood. It is a living process; it makes men; it is made by them' (1977: 489). Just as with music, the forms of the landscape are generated in movement: these forms, however, are congealed in a solid medium – indeed, to borrow Inglis's words again, 'a landscape is the most solid appearance in which a history can declare itself' (ibid.). Thanks to their solidity, features of the landscape remain available for inspection long after the movement that gave rise to them has ceased. If, as Mead argued (1977[1938]: 97), every object is to be regarded as a 'collapsed act', then *the landscape as a whole must likewise be understood as the taskscape in its embodied form*: a pattern of activities 'collapsed' into an array of features. But to reiterate a point made earlier, the landscape takes on its forms through a process of incorporation, not of inscription. That is to say, the process is not one whereby cultural design is imposed upon a naturally given substrate, as though the movement issued from the form and was completed in its concrete realization in the material. For the forms of the landscape arise alongside those of the taskscape, within the same current of activity. If we recognize a man's gait in the pattern of his footprints, it is not because the gait preceded the footprints and was 'inscribed' in them, but because both the gait and the prints arose within the movement of the man's walking.

Since, moreover, the activities that comprise the taskscape are unending, the landscape is never complete: neither 'built' nor 'unbuilt', it is perpetually under construction. This is why the conventional dichotomy between natural and artificial (or 'man-made') components of the landscape is so problematic. Virtually by definition, an artefact is an object shaped to a pre-conceived image that motivated its construction, and it is 'finished' at the point when it is brought into conformity with this image. What happens to it beyond that point is supposed to belong to the phase of use rather than manufacture, to dwelling rather than building. But the forms of the landscape are not pre-prepared for people to live in – not by nature nor by human hands – for it is in the very process of dwelling that these forms are constituted. 'To build', as Heidegger insisted, 'is itself already to dwell' (1971: 146). Thus the landscape is always in the nature of 'work in progress'.

My conclusion that the landscape is the congealed form of the taskscape does enable us to explain why, intuitively, the landscape seems to be what we *see* around us, whereas the taskscape is what we *hear*. To be seen, an object need do nothing itself, for the optic array that specifies its form to a viewer consists of light reflected off its outer surfaces. To be heard, on the other hand, an object must actively emit sounds or, through its movement, cause sound to be emitted by other objects with which it comes into contact. Thus, outside my window I see a landscape of houses, trees, gardens, a street and pavement. I do not hear any of these things, but I can hear people talking on the pavement, a car passing by, birds singing in the trees, a dog barking somewhere in the distance, and the sound of hammering as a neighbour repairs his garden shed. In short, what I hear is *activity*, even when its source cannot be seen. And since the forms of the taskscape, suspended as they are in movement, are present *only* as activity, the limits of the taskscape are also the limits

of the auditory world. (Whilst I deal here only with visual and aural perception, we should not underestimate the significance of touch, which is important to all of us but above all to blind people, for whom it opens up the possibility of access to the landscape – if only through proximate bodily contact.)

This argument carries an important corollary. Whilst both the landscape and the taskscape presuppose the presence of an agent who watches and listens, the taskscape must be populated with beings who are themselves agents, and who reciprocally 'act back' in the process of their own dwelling. In other words, the taskscape exists not just as activity but as *inter*activity. Indeed this conclusion was already foreshadowed when I introduced the concept of resonance as the rhythmic harmonization of mutual attention. Having said that, however, there is no reason why the domain of interactivity should be confined to the movement of human beings. We hear animals as well as people, such as the birds and the dog in my example above. Hunters, to take another example, are alert to every sight, sound or smell that reveals the presence of animals, and we can be sure that the animals are likewise alert to the presence of humans, as they are also to that of one another. On a larger scale, the hunters' journeys through the landscape, or their oscillations between the procurement of different animal species, resonate with the migratory movements of terrestrial mammals, birds and fish. Perhaps then, as Reed argues, there is a fundamental difference between our perception of animate beings and inanimate objects, since the former – by virtue of their capacity for autonomous movement – 'are *aware* of their surroundings (including us) and because they *act* on those surroundings (including us)' (Reed 1988: 116). In other words, they afford the possibility not only of action but also of interaction (cf. J. Gibson 1979: 135). Should we, then, draw the boundaries of the taskscape around the limits of the animate?

Though the argument is a compelling one, I find that it is ultimately unsatisfactory, for two reasons in particular. First, as Langer observes, 'rhythm is the basis of life, but not limited to life' (1953: 128). The rhythms of human activities resonate not only with those of other living things but also with a whole host of other rhythmic phenomena – the cycles of day and night and of the seasons, the winds, the tides, and so on. Citing a petition of 1800 from the seaside town of Sunderland, in which it is explained that 'people are obliged to be up at all hours of the night to attend the tides and their affairs upon the river', Thompson (1967: 59–60) notes that 'the operative phrase is "attend the tides": the patterning of social time in the seaport follows *upon* the rhythms of the sea'. In many cases these natural rhythmic phenomena find their ultimate cause in the mechanics of planetary motion, but it is not of course to these that we resonate. Thus we resonate to the cycles of light and darkness, not to the rotation of the earth, even though the diurnal cycle is caused by the earth's axial rotation. And we resonate to the cycles of vegetative growth and decay, not to the earth's revolutions around the sun, even though the latter cause the cycle of the seasons. Moreover these resonances are *embodied*, in the sense that they are not only historically incorporated into the enduring features of the landscape but also developmentally incorporated into our very constitution as biological organisms. Thus Young describes the body as 'an array of interlocking (or interflowing) cycles, with their own spheres of partial independence within the solar cycle' (1988: 41). We do not consult these cycles, as we might consult a wrist-watch, in order to time our own activities, for the cycles are inherent in the rhythmic structure of the activities themselves. It would seem, then,

that the pattern of resonances that comprises the temporality of the taskscape must be expanded to embrace the totality of rhythmic phenomena, whether animate or inanimate.

The second reason why I would be reluctant to restrict the taskscape to the realm of living things has to do with the very notion of animacy. I do not think we can regard this as a property that can be ascribed to objects in isolation, such that some (animate) have it and others (inanimate) do not. For life is not a principle that is separately installed inside individual organisms, and which sets them in motion upon the stage of the inanimate. To the contrary, as I have argued elsewhere, life is 'a name for *what is going on* in the generative field within which organic forms are located and "held in place"' (Ingold 1990: 215). That generative field is constituted by the totality of organism–environment relations, and the activities of organisms are moments of its unfolding. Indeed once we think of the world in this way, as a total movement of becoming which builds itself into the forms we see, and in which each form takes shape in continuous relation to those around it, then the distinction between the animate and the inanimate seems to dissolve. The world itself takes on the character of an organism, and the movements of animals – including those of us human beings – are parts or aspects of its life-process (Lovelock 1979). This means that in dwelling in the world, we do not act *upon* it, or do things *to* it; rather we move along *with* it. Our actions do not transform the world, they are part and parcel of the world's transforming itself. And that is just another way of saying that they belong to time.

For in the final analysis, everything is suspended in movement. As Whitehead once remarked, 'there is no holding nature still and looking at it' (cited in Ho 1989: 19–20). What appear to us as the fixed forms of the landscape, passive and unchanging unless acted upon from outside, are themselves in motion, albeit on a scale immeasurably slower and more majestic than that on which our own activities are conducted. Imagine a film of the landscape, shot over years, centuries, even millennia. Slightly speeded up, plants appear to engage in very animal-like movements, trees flex their limbs without any prompting from the winds. Speeded up rather more, glaciers flow like rivers and even the earth begins to move. At yet greater speeds solid rock bends, buckles and flows like molten metal. The world itself begins to breathe. Thus the rhythmic pattern of human activities nests within the wider pattern of activity for all animal life, which in turn nests within the pattern of activity for all so-called living things, which nests within the life-process of the world. At each of these levels, coherence is founded upon resonance (Ho 1989: 18). Ultimately, then, by replacing the tasks of human dwelling in their proper context within the process of becoming of the world as a whole, we can do away with the dichotomy between taskscape and landscape – only, however, by recognizing the fundamental temporality of the landscape itself.

The Harvesters

In order to provide some illustration of the ideas developed in the preceding sections, I reproduce here a painting which, more than any other I know, vividly captures a sense of the temporality of the landscape. This is *The Harvesters*, painted by Pieter Bruegel the Elder in 1565 (see Plate 1). I am not an art historian or critic, and my purpose is not to analyse the painting in terms of style, composition or aesthetic effect. Nor am I concerned

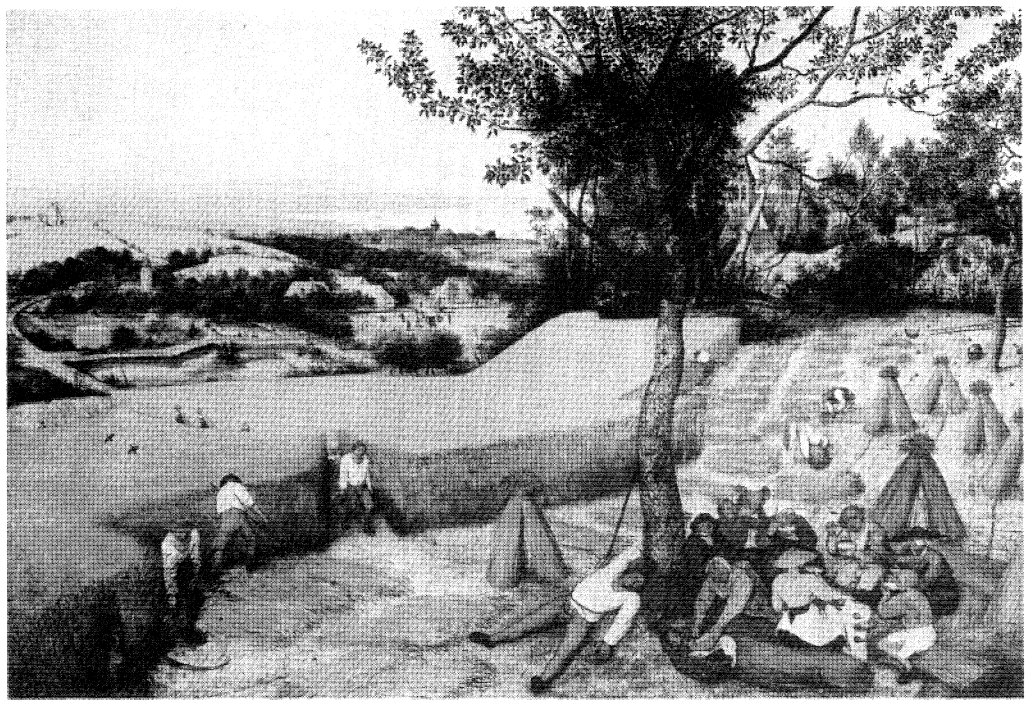

Plate 1 The Harvesters (1565) by Pieter Bruegel the Elder. Reproduced by permission of the Metropolitan Museum of Art, Rogers Fund, 1919 (19.164).

with the historical context of its production. Suffice it to say that the picture is believed to be one of a series of twelve, each depicting a month of the year, out of which only five have survived (W. Gibson 1977: 147). Each panel portrays a landscape, in the colours and apparel appropriate to the month, and shows people engaged in the tasks of the agricultural cycle that are usual at that time of year. *The Harvesters* depicts the month of August, and shows field hands at work reaping and sheafing a luxuriant crop of wheat, whilst others pause for a midday meal and some well-earned rest. The sense of rustic harmony conveyed in this scene may, perhaps, represent something of an idealization on Bruegel's part. As Walter Gibson points out, Bruegel was inclined to 'depict peasants very much as a wealthy landowner would have viewed them, as the anonymous tenders of his fields and flocks' (1977: 157–8). Any landowner would have had cause for satisfaction in such a fine crop, whereas the hands who sweated to bring it in may have had a rather different experience. Nevertheless, Bruegel painted during a period of great material prosperity in the Netherlands, in which all shared to some degree. These were fortunate times.

Rather than viewing the painting as a work of art, I would like to invite you – the reader – to imagine yourself set down in the very landscape depicted, on a sultry August day in 1565. Standing a little way off to the right of the group beneath the tree, you are a witness to the scene unfolding about you. And of course you hear it too, for the scene does not unfold in silence. So accustomed are we to thinking of the landscape as a picture that we can look *at*, like a plate in a book or an image on a screen, that it is perhaps necessary to

remind you that exchanging the painting for 'real life' is not simply a matter of increasing the scale. What is involved is a fundamental difference of orientation. In the landscape of our dwelling, we *look around* (J. Gibson 1979: 203). In what follows I shall focus on six components of what you see around you, and comment on each in so far as they illustrate aspects of what I have had to say about landscape and temporality. They are: the hills and valley, the paths and tracks, the tree, the corn, the church, and the people.

The hills and valley

The terrain is a gently undulating one of low hills and valleys, grading off to a shoreline that can just be made out through the summer haze. You are standing near the summit of a hill, from where you can look out across the intervening valley to the next. How, then, do you differentiate between the hills and the valley as components of this landscape? Are they alternating blocks or strips into which it may be divided up? Any attempt at such division plunges us immediately into absurdity. For where can we draw the boundaries of a hill except along the valley bottoms that separate it from the hills on either side? And where can we draw the boundaries of a valley except along the summits of the hills that mark its watershed? One way, we would have a landscape consisting only of hills, the other way it would consist only of valleys. Of course, 'hill' and 'valley' are opposed terms, but the opposition is not spatial or altitudinal but kinaesthetic. It is the movements of falling away from, and rising up towards, that specify the form of the hill; and the movements of falling away towards, and rising up from, that specify the form of the valley. Through the exercises of descending and climbing, and their different muscular entailments, the contours of the landscape are not so much measured as *felt* – they are directly incorporated into our bodily experience. But even if you remain rooted to one spot, the same principle applies. As you look across the valley to the hill on the horizon, your eyes do not remain fixed: swivelling in their sockets, or as you tilt your head, their motions accord with the movement of your attention as it follows its course through the landscape. You 'cast your eyes' first downwards into the valley, and then upwards towards the distant hill. Indeed in this vernacular phrase, to 'cast one's eyes', commonsense has once again grasped intuitively what the psychology of vision, with its metaphors of retinal imagery, has found so hard to accept: that movement is the very essence of perception. It is *because*, in scanning the terrain from nearby into the distance, your downward glance is followed by an upward one, that you perceive the valley.

Moreover someone standing where you are now would perceive the same topographic panorama, regardless of the time of year, the weather conditions and the activities in which people may be engaged. We may reasonably suppose that over the centuries, perhaps even millennia, this basic topography has changed but little. Set against the duration of human memory and experience, it may therefore be taken to establish a baseline of permanence. Yet permanence, as Gibson has stressed, is always relative; thus 'it is better to speak of persistence under change' (J. Gibson 1979: 13). Although the topography is invariant relative to the human life-cycle, it is not itself immune to change. Sea-levels rise and fall with global climatic cycles, and the present contours of the country are the cumulative outcome of a slow and long drawn out process of erosion and deposition. This process, moreover, was not confined to earlier geological epochs during which the landscape

assumed its present topographic form. For it is still going on, and will continue so long as the stream, just visible in the valley bottom, flows on towards the sea. The stream does not flow between pre-cut banks, but cuts its banks even as it flows. Likewise, as we have seen, people shape the landscape even as they dwell. And human activities, as well as the action of rivers and the sea, contribute significantly to the process of erosion. As you watch, the stream flows, folk are at work, a landscape is being formed, and time passes.

The paths and tracks

I remarked above that we experience the contours of the landscape by moving through it, so that it enters – as Bachelard would say – into our 'muscular consciousness'. Reliving the experience in our imagination, we are inclined to recall the road we took as 'climbing' the hill, or as 'descending' into the valley, as though 'the road itself had muscles, or rather, counter-muscles' (Bachelard 1964: 11). And this, too, is probably how you recall the paths and tracks that are visible to you now: after all, you must have travelled along at least some of them to reach the spot where you are currently standing. Nearest at hand, a path has been cut through the wheat-field, allowing sheaves to be carried down, and water and provisions to be carried up. Further off, a cart-track runs along the valley bottom, and another winds up the hill behind. In the distance, paths criss-cross the village green. Taken together, these paths and tracks 'impose a habitual pattern on the movement of people' (Jackson 1989: 146). And yet they also arise out of that movement, for every path or track shows up as the accumulated imprint of countless journeys that people have made – with or without their vehicles or domestic animals – as they have gone about their everyday business. Thus the same movement is embodied, on the side of the people, in their 'muscular consciousness', and on the side of the landscape, in its network of paths and tracks. In this network is sedimented the activity of an entire community, over many generations. It is the taskscape made visible.

In their journeys along paths and tracks, however, people also move from place to place. To reach a place, you need cross no boundary, but you must follow some kind of path. Thus there can be no places without paths, along which people arrive and depart; and no paths without places, that constitute their destinations and points of departure. And for the harvesters, the place to which they arrive, and whence they will leave at the end of the day, is marked by the next feature of the landscape to occupy your attention. . . .

The tree

Rising from the spot where people are gathered for their repast is an old and gnarled pear-tree, which provides them with both shade from the sun, a back-rest and a prop for utensils. Being the month of August, the tree is in full leaf, and fruit is ripening on the branches. But this is not just *any* tree. For one thing, it draws the entire landscape around it into a unique focus: in other words, by its presence it constitutes a particular place. The place was not there before the tree, but came into being with it. And for those who are gathered there, the prospect it affords, which is to be had nowhere else, is what gives it its particular character and identity. For another thing, no other tree has quite the same configuration of branches, diverging, bending and twisting in exactly the same way. In its

present form, the tree embodies the entire history of its development from the moment it first took root. And that history consists in the unfolding of its relations with manifold components of its environment, including the people who have nurtured it, tilled the soil around it, pruned its branches, picked its fruit, and – as at present – use it as something to lean against. The people, in other words, are as much bound up in the life of the tree as is the tree in the lives of the people. Moreover, unlike the hills and the valley, the tree has manifestly grown within living memory. Thus its temporality is more consonant with that of human dwelling. Yet in its branching structure, the tree combines an entire hierarchy of temporal rhythms, ranging from the long cycle of its own germination, growth and eventual decay to the short, annual cycle of flowering, fruiting and foliation. At one extreme, represented by the solid trunk, it presides immobile over the passage of human generations; at the other, represented by the frondescent shoots, it resonates with the life-cycles of insects, the seasonal migrations of birds, and the regular round of human agricultural activities (cf. Davies 1988). In a sense, then, the tree bridges the gap between the apparently fixed and invariant forms of the landscape and the mobile and transient forms of animal life, visible proof that all of these forms, from the most permanent to the most ephemeral, are dynamically linked under transformation within the movement of becoming of the world as a whole.

The corn

Turning from the pear-tree to the wheat-field, it is no longer a place in the landscape but the surrounding surface that occupies your attention. And perhaps what is most striking about this surface is its uniformity of colour, a golden sheen that cloaks the more elevated parts of the country for as far as the eye can see. As you know, wheat takes on this colour at the particular time of year when it is ripe for harvesting. More than any other feature of the landscape, the golden corn gathers the lives of its inhabitants, wherever they may be, into temporal unison, founded upon a communion of visual experience. Thus whereas the tree binds past, present and future in a single place, the corn binds every place in the landscape within a single horizon of the present. The tree, we could say, establishes a vivid sense of duration, the corn an equally vivid sense of what Fabian (1983: 31) calls *coevalness*. It is this distinction that Bachelard has in mind when he contrasts the 'before-me, before-us' of the forest with the 'with-me, with-us' of fields and meadows, wherein 'my dreams and recollections accompany all the different phases of tilling and harvesting' (Bachelard 1964: 188). You may suppose that the sleeper beneath the tree is dreaming of corn, but if so, you may be sure that the people and the activities that figure in his dream are coeval with those of the present and do not take him back into an encounter with the past. (Note that the distinction between coevalness and duration, represented by the corn and the tree, is not at all the same as the classic Saussurian dichotomy between synchrony and diachrony: the former belongs to the perspective of the A-series rather than the B-series, to the temporality of the landscape, not to its chronology (Ingold 1986b: 151).)

Where the corn has been freshly cut, it presents a sheer vertical front, not far short of a man's height. But this is not a boundary feature, like a hedge or fence. It is an interface, whose outline is progressively transformed as the harvesters proceed with their work. Here is a fine example of the way in which form emerges through movement. Another

example can be seen further off, where a man is engaged in the task of binding the wheat into a sheaf. Each completed sheaf has a regular form, which arises out of the co-ordinated movement of binding. But the completion of a sheaf is only one moment in the labour process. The sheaves will later be carried down the path through the field, to the haycart in the valley. Indeed at this very moment, one woman is stooped almost double in the act of picking up a sheaf, and two others can be seen on their way down, sheaves on their shoulders. Many more operations will follow before the wheat is eventually transformed into bread. In the scene before you, one of the harvesters under the tree, seated on a sheaf, is cutting a loaf. Here the cycle of production and consumption ends where it began, with the producers. For production is tantamount to dwelling: it does not begin here (with a preconceived image) and end there (with a finished artefact), but is *continuously going on*.

The church

Not far off, nestled in a grove of trees near the top of the hill, is a stone church. It is instructive to ask: how does the church differ from the tree? They have more in common, perhaps, than meets the eye. Both possess the attributes of what Bakhtin (1981: 84) calls a 'chronotope' – that is, a place charged with temporality, one in which temporality takes on palpable form. Like the tree, the church by its very presence constitutes a place, which owes its character to the unique way in which it draws in the surrounding landscape. Again like the tree, the church spans human generations, yet its temporality is not inconsonant with that of human dwelling. As the tree buries its roots in the ground, so also people's ancestors are buried in the graveyard beside the church, and both sets of roots may reach to approximately the same temporal depth. Moreover the church, too, resonates to the cycles of human life and subsistence. Among the inhabitants of the neighbourhood, it is not only seen but also heard, as its bells ring out the seasons, the months, births, marriages and deaths. In short, as features of the landscape, both the church and the tree appear as veritable monuments to the passage of time.

Yet despite these similarities, the difference may seem obvious. The church, after all, is a *building*. The tree by contrast, is not built, it grows. We may agree to reserve the term 'building' for any durable structure in the landscape whose form arises and is sustained within the current of human activity. It would be wrong to conclude, however, that the distinction between buildings and non-buildings is an absolute one. Where an absolute distinction is made, it is generally premised upon the separation of mind and nature, such that built form, rather than having its source within nature, is said to be superimposed by the mind upon it. But from the perspective of dwelling, we can see that the forms of buildings, as much as of any other features of the landscape, are neither given in the world nor placed upon it, but emerge within the self-transforming processes of the world itself. With respect to any feature, the scope of human involvement in these processes will vary from negligible to considerable, though it is never total (even the most 'engineered' of environments is home to other species). What is or is not a 'building' is therefore a relative matter; moreover as human involvement may vary in the 'life history' of a feature, it may be *more or less* of a building in different periods.

Returning to the tree and the church, it is evidently too simple to suppose that the form of the tree is naturally given in its genetic makeup, whereas the form of the church

pre-exists, in the minds of the builders, as a plan which is then 'realized' in stone. In the case of the tree, we have already observed that its growth consists in the unfolding of a total system of relations constituted by the fact of its presence in an environment, from the point of germination onwards, and that people, as components of the tree's environment, play a not insignificant role in this process. Likewise, the 'biography' of the church consists in the unfolding of relations with its human builders, as well as with other components of its environment, from the moment when the first stone was laid. The 'final' form of the church may indeed have been prefigured in the human imagination, but it no more issued from the image than did the form of the tree issue from its genes. In both cases, the form is the embodiment of a developmental or historical process, and is rooted in the context of human dwelling in the world.

In the case of the church, moreover, that process did not stop when its form came to match the conceptual model. For as long as the building remains standing in the landscape, it will continue – as it does now – to figure within the environment not just of human beings but of a myriad of other living kinds, plant and animal, which will incorporate it into their own life-activities and modify it in the process. And it is subject, too, to the same forces of weathering and decomposition, both organic and meteorological, that affect everything else in the landscape. The preservation of the church in its existing, 'finished' form in the face of these forces, however substantial it may be in its materials and construction, requires a regular input of effort in maintenance and repair. Once this human input lapses, leaving it at the mercy of other forms of life and of the weather, it will soon cease to be a building and become a ruin.

The people

So far I have described the scene only as you behold it with your eyes. Yet you do not only look, you listen as well, for the air is full of sounds of one kind and another. Though the folk beneath the tree are too busy eating to talk, you hear the clatter of wooden spoons on bowls, the slurp of the drinker, and the loud snores of the member of the party who is outstretched in sleep. Further off, you hear the swish of scythes against the cornstalks and the calls of the birds as they swoop low over the field in search of prey. Far off in the distance, wafted on the light wind, can be heard the sounds of people conversing and playing on a green, behind which, on the other side of the stream, lies a cluster of cottages. What you hear is a taskscape.

In the performance of their particular tasks, people are responsive not only to the cycle of maturation of the crop, which draws them together in the overall project of harvesting, but also to each other's activities as these are apportioned by the division of labour. Even within the same task, individuals do not carry on in mutual isolation. Technically, it takes only one man to wield a scythe, but the reapers nevertheless work in unison, achieving a dance-like harmony in their rhythmic movements. Similarly the two women carrying sheaves down into the valley adjust their pace, each in relation to the other, so that the distance between them remains more or less invariant. Perhaps there is less co-ordination between the respective movements of the eaters, however they eye each other intently as they set about their repast, and the meal is a joint activity on which all have embarked together, and which they will finish together. Only the sleeper, oblivious to the world, is

out of joint – his snores jar the senses precisely because they are *not* in any kind of rhythmic relation to what is going on around. Without wakeful attention, there can be no resonance.

But in attending to one another, do the people inhabit a world of their own, an exclusively *human* world of meanings and intentions, of beliefs and values, detached from the one in which their bodies are put to work in their several activities? Do they, from within such a domain of intersubjectivity, look at the world outside through the window of their senses? Surely not. For the hills and valley, the tree, the corn and the birds are as palpably present to them (as indeed to you too) as are the people to each other (and to you). The reapers, as they wield their scythes, are *with* the corn, just as the eaters are *with* their fellows. The landscape, in short, is not a totality that you or anyone else can look *at*, it is rather the world *in* which we stand in taking up a point of view on our surroundings. And it is within the context of this attentive involvement in the landscape that the human imagination gets to work in fashioning ideas about it. For the landscape, to borrow a phrase from Merleau-Ponty (1962: 24), is not so much the object as 'the *homeland* of our thoughts'.

Epilogue

Concluding an essay on the ways in which the Western Apache of Arizona discover meaning, value and moral guidance in the landscape around them, Basso abhors the tendency in ecological anthropology to relegate such matters to an 'epiphenomenal' level, which is seen to have little or no bearing on the dynamics of adaptation of human populations to the conditions of their environments. An ecology that is fully *cultural*, Basso argues, is one that would attend as much to the semiotic as to the material dimensions of people's relations with their surroundings, by bringing into focus 'the layers of significance with which human beings blanket the environment' (Basso 1984: 49). In rather similar vein, Cosgrove regrets the tendency in human geography to regard the landscape in narrowly utilitarian and functional terms, as 'an impersonal expression of demographic and economic forces', and thus to ignore the multiple layers of symbolic meaning or cultural representation that are deposited upon it. The task of decoding the 'many-layered meanings of symbolic landscapes', Cosgrove argues, will require a geography that is not just human but properly *humanistic* (Cosgrove 1989: 120–7).

Though I have some sympathy with the views expressed by these writers, I believe that the metaphors of cultural construction which they adopt have an effect quite opposite to that intended. For the very idea that meaning *covers over* the world, layer upon layer, carries the implication that the way to uncover the most basic level of human beings' practical involvement with their environments is by stripping these layers away. In other words, such blanketing metaphors actually serve to create and perpetuate an intellectual space in which human ecology or human geography can flourish, untroubled by any concerns about what the world means to the people who live in it. We can surely learn from the Western Apache, who insist that the stories they tell, far from putting meanings upon the landscape, are intended to allow listeners to place themselves in *relation* to specific features of the landscape, in such a way that their meanings may be revealed or disclosed. Stories help to open up the world, not to cloak it.

And such opening up, too, must be the objective of archaeology. Like the Western Apache – and for that matter any other group of people who are truly 'at home' in the world – archaeologists study the meaning of the landscape, not by interpreting the many layers of its representation (adding further layers in the process) but by probing ever more deeply into it. Meaning is there to be *discovered* in the landscape, if only we know how to attend to it. Every feature, then, is a potential clue, a key to meaning rather than a vehicle for carrying it. This discovery procedure, wherein objects in the landscape become clues to meaning, is what distinguishes the perspective of dwelling. And since, as I have shown, the process of dwelling is fundamentally temporal, the apprehension of the landscape in the dwelling perspective must begin from a recognition of its temporality. Only through such recognition, by temporalizing the landscape, can we move beyond the division that has afflicted most inquiries up to now, between the 'scientific' study of an atemporalized nature, and the 'humanistic' study of a dematerialized history. And no discipline is better placed to take this step than archaeology. I have not been concerned here with either the methods or the results of archaeological inquiry. However to the question, 'what is archaeology the study *of*?', I believe there is no better answer than 'the temporality of the landscape'. I hope, in this article, to have gone some way towards elucidating what this means.

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Note

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Abstract

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The temporality of the landscape

Landscape and temporality are the major unifying themes of archaeology and social-cultural anthropology. This paper attempts to show how the temporality of the landscape may be understood by way of a 'dwelling perspective' that sets out from the premise of people's active, perceptual engagement in the world. The meaning of 'landscape' is clarified by contrast to the concepts of land, nature and space. The notion of 'taskscape' is introduced to denote a pattern of dwelling activities, and the intrinsic temporality of the taskscape is shown to lie in its rhythmic interrelations or patterns of resonance. By considering how taskscape relates to landscape, the distinction between them is ultimately dissolved, and the landscape itself is shown to be fundamentally temporal. Some concrete illustrations of these arguments are drawn from a painting by Bruegel, *The Harvesters*.