

Index

- abstraction, 68–9
 acculturation, 5
 accumulation, 100–1
 agency, 20, 71, 170, 171, 172, 176–7, 179–81
 animals, 157, 158–60, 161, 179–81
 animate objects, 34, 35, 83, 100, 161, 176, 177, 178
 anthropology, xiii, 8, 35, 59, 60, 65, 81
 archaeological laboratory, 49–50, 54, 60, 63
 site-as-laboratory, 49
 archaeological practice, 38, 39, 40, 45, 53, 55, 58–62, 63, 168
 as a science, 49
 linear structure of, 40–4, 46, 56, 62, 77
 archaeological record, 10–22, 23–4, 37, 95, 178
 physical model, 11–17, 20, 23, 37, 100
 textual model, 17–20, 23, 37
 archaeological science, xi, xiii, 2, 3, 14, 17, 20–2, 38, 39, 45–6, 47, 63–4, 78, 173, 175–6
 practice of, 16, 49, 173–6, 182
 XXXX, xi, 70, 74, 81, 103, 173, 175–6, 178, 179, 181, 182
 processual (or New), 11, 12, 14, 15–16, 26, 37, 70
 social, 3
 theoretical, 1, 2, 3, 20–2, 23, 37–8, 169
 art history, 65
 arts, 1–3
 associations, 35–6
 Barnhouse, 111, 113–17, 152, 166, 175
 house, 2 135–8, 141, 148–9, 166
 links to wider landscape, 150–7
 middens, 140–2
 spatial arrangement, 115–17
 structure, 8 138–9, 149–50, 163, 166
 see also Grooved ware, at Barnhouse
 Barnhouse Odin, 150, 152
 Barton Court Farm, 98
 biography, xiii, 82, 83–5
 of artefacts, 83–5, 96, 99 102,
 of humans, 83, 84
 see also Grooved ware, biography
 ‘black boxes’, 29, 33, 34, 37–8, 46, 57–8
 Blackhammer, 159
 botanical analysis, 14, 16, 19, 42, 46, 47, 64, 98
 ‘boundary objects’, 75, 178–9
 Broken K Pueblo, 93
 carved stone balls, 107, 163
 categorisation, 5, 7, 8, 35, 54, 76, 97, 168
 cattle milk, 30, 33
 ceramics, 30, 33, 42, 46, 55, 67–8, 104
 and identity, 105–7
 as cultural indicator, 105
 biography of, 106
 ecology, 86
 neolithic, 105–7
 production of, 68, 87, 91, 92, 93, 94, 97
 scientific analysis of, 76, 88, 91
 see also Grooved ware
chaines opératoires, 90, 120, 138
 clay, 87, 89
 see also ceramics
 cognitive psychology, 5
 consumption, xiii, 52, 62, 85, 95, 96–9, 157–61, 165–7
 and social identity, 96, 119, 163–4
 see also biography
 context, 18–19, 40, 41, 44, 45, 47, 50, 51, 52, 55, 56, 61, 62, 63, 74–5, 76, 78, 84, 101, 175, 181
 and artefacts, 74–5, 78, 84, 97, 102, 106–7
 see also decontextualisation
 culture, 1, 11, 26–9, 36–7, 169
 culture-history, 11, 51, 70, 117
 cultural evolution, 14, 15, 70, 92
 Cuween Hill, 159

204 Index

- Darwinian theory, 36–7, 64, 180
 decontextualisation, 41, 42, 44, 50, 55,
 56, 74
see also context
 deposition, 85, 99–102, 105
 structured, 19, 55, 99–100
 votive, 100
see also biography
 design studies, 65
 domestication, 52
- ecological theory, 14, 15, 16–17, 64, 86, 87
 embodiment, 94
 empiricism, 13, 14, 20, 21, 23, 37, 45, 46,
 51, 72–3
 energy dispersive analysis by x-ray
 (EDAX), 91
 environment, 15, 55, 86
 ethnoarchaeology, 13–14, 79, 93–4
 ethnobotany, 36
 ethnozoology, 36
 excavation, 39–46, 47, 49, 53–5, 56, 58–9,
 62, 77
 as archaeology, 45
 as ethnography, 59
 exchange, 85, 87, 88, 95–6, 149, 174–5
see also biography
- faunal analysis, 14, 16, 42, 46, 47, 51, 63,
 98
 feasting, 100, 152, 165, 166
 food, 62, 104, 119, 131–2, 135, 136–7,
 138, 149, 152, 154, 157–61, 164,
 165–7
 fragmentation, 40–6, 49, 54–8, 60, 99–102
- Gas Chromatography (GC), 30–3, 42, 73,
 98, 105–6, 119, 131–2, 135, 142, 146
 gender, 106
 graffiti, 100
 Grooved ware, 106, 107–13, 164–5
 analysis of, 117–20, 131–5
 and houses, 161–3
 and identity, 117, 130–1, 143–4,
 148–50, 155–7, 161, 164, 165–6
 at Barnhouse, xi, 117–44, 145–50, 157,
 160–1, 177–8
 biography, 113, 120, 143–4, 145–8,
 150–7, 158, 163
 consumption, 131–9, 148, 154, 157,
 160–1
 decoration, 107, 111–12, 117, 122, 123,
 130–1, 135, 138, 148, 150–1, 154,
 163
 deposition, 140–3, 144
 distribution, 107
 fabric, 118, 120–2, 126–8, 130, 138,
 142, 150–1, 154
 form, 117–18, 120
 function, 107, 118
 production, 122–8, 130–1, 161–2
- habitus*, 20
 Harris matrix, 54
see also systems analysis
 hermeneutics, 6, 18, 38
 hierarchy, 40, 44–6, 49, 56–7, 60
 houses, 110–11, 117, 158, 162, 163
see also Grooved ware, and houses
- identity, xiii, 84, 86–7, 90, 93, 96, 106–7,
 161
 inductively coupled plasma spectroscopy
 (ICPS), 66, 73, 88
 instrumental neutron activation analysis
 (INAA), 68, 71
 iron age, 55, 85
 Isbister, 158, 159, 160
 isotopic analysis, 17, 88
- Knowe of Ramsay, 159
 Knowe of Yarso, 159
- landscape, 86–7, 89, 105
see also place
 language, 3–4, 5, 17, 65, 181–2
 lead isotope analysis (LIA), 88–9, 174
 life cycle: *see* biography
 Links of Noltland, 163
 lithics, 42, 55, 137–8, 163
- Maes Howe, 115
 Marxist theory, 12
 mass spectrometry (MS): *see* gas
 chromatography
 material culture, 39, 59, 64–6, 72, 82,
 179
 and social relations, 65, 83–5, 93–5,
 105, 118–19, 176–81, 181
 materiality, 65, 101, 169, 179
 materials analysis, 39, 51–3, 55, 63, 73,
 76, 81, 85, 91–2, 95, 101–2, 103
 memory, 131, 156, 158
 metalwork, 42, 85
 deposition of, 100
 production of, 92
 scientific analysis of, 42, 55, 76, 88–9,
 91, 173–5
 metaphor, 5, 19, 177
 microwear analysis, 67

- Middle Range Theory, 13–14, 25
 monuments, 104, 105, 110, 111, 150, 158,
 164, 165
 mortuary rituals, 100, 158
 museum studies, 65
- narratives, 61–2, 69–72
 fact and fiction, 69, 169–70, 172
 scale of, 70, 72, 74, 76, 78,
 nature, 3–4, 28–9, 36–7, 169
 networks, 25, 26, 29, 33, 35–6, 55, 62,
 70–1, 171, 175
 neolithic, 85, 103–5, 167
 agriculture, 104
 artefacts, 105
 as social change, 104, 164–7
 British, 51, 84
 economy, 104
 European, 84–5, 104
 Orcadian, 110–17, 163–4
 neutron activation analysis (NAA), 42, 66,
 73, 88
- objectivity, xiii, 3–6, 10, 11, 13, 14, 16, 20,
 21, 23, 25, 37, 40, 44, 45, 46, 49,
 50–3, 54, 55–8, 59, 65, 60, 171–2,
 175
 obsidian, 88
 optical emission spectroscopy (OES), 88
 Orkney, 51, 107–10
 osteology, 19, 47
 otherness, 59
 Otzi, 70
- palaeobotany: *see* botanical analysis
 paradigms, 9, 24, 26, 170
 passage grave art, 107, 122, 163
 petrology, 17, 42, 51–2, 63, 68, 72, 88, 89,
 91, 102, 120, 126–8
 phenomenism, 4
 phenomenology, 65
 place, 86–7, 87, 130, 163, 165
 and artefacts, 87, 89
 and memory, 86–7, 131
see also landscape
 plants, 157–8
 plasma emission spectrometry, 42
 positivism, xiii, 2, 25, 37
 logical, 4
 post-excavation, 39, 40, 42–4, 45, 46–9,
 53–5, 56, 58, 59, 61
 on-site, 77–8
 post-modernism, xiii
 post-structuralism, 2, 20
 pottery: *see* ceramics
- primitivism, 79
 production, 62, 85, 86, 87, 89, 96
 social organisation of, 93–5
see also biography and ‘*chaînes opératoires*’
 proton-induced x-ray emission
 spectroscopy (PIXE), 93
 publication, 39, 40, 42, 43–4, 45, 46,
 50–3, 55, 56, 58, 59–60, 62
- Quanterness, 115, 152–6
 artefacts, 154
 human remains, 153
- rationalism, xiii, 6–10, 16, 20, 21, 27, 28,
 35, 36, 37, 44, 54
 relationism, 36
 relativism, xiii, 6–10, 20, 24, 25, 28, 35,
 171
 representation, 41, 44, 49, 55, 57, 59, 73,
 178
 resource procurement, 86–9, 122, 128–31,
 174–5
 Ring of Bookan, 115
 Ring of Brodgar, 111, 115
 Rinyo, 111, 115, 146
- sampling, 41, 66–9, 72, 75–7, 89, 95, 99
 of artefacts, 75–6
 scale, 35–6, 62, 66–9, 81–2, 98
 of analysis, 67, 68, 69, 70–2, 85, 178,
 179–81
 of resolution, 67
 geographical, 68, 76
 macroscale, 66, 68, 70–2, 74, 76, 98–9,
 164, 181
 microscale, 66–7, 68, 70–2, 75, 81–2,
 88, 93, 95, 98–9, 119, 164, 181
see also narratives, scale of scanning
 electron microscopy (SEM), 66, 67,
 91
- science
 and society, xii, 2, 27–9, 34–5
 anthropology of, 27–9, 35–7, 38, 168
 discipline of, xii–xiii, 1–3, 26–9, 34, 35
 history of, 8, 9, 65, 69, 89
 natural science, 1–10, 22, 27, 29, 33–4,
 53–4, 74, 169, 181
 practice of, 3, 26, 29, 35, 63–4, 69, 168,
 170, 172, 176
 scientific texts, 29–30
 scientism, 21
 scientists, 1, 4, 6, 26, 171–2
 archaeological, xiii, 1, 12, 17, 19, 23, 37,
 42, 45, 52–3, 56, 60, 64, 66, 74, 77,
 173, 178, 179

206 Index

- semiotics, 5–6
 settlements, 111, 115–17
 signs, 17–18
 site catchment, 86
 site formation, 13–14
 Skara Brae, 111, 115, 146, 163
 social practice, 6, 19–20
 in the past, 62, 67, 68, 73–4, 168, 176, 178, 179, 181
 social science, 1–10, 22, 26, 29, 53–4, 64, 169, 181
 soil micromorphology, xiii, 63
 specialist reports: *see* publication
 specialists, 42, 46, 47, 51–3, 54, 55, 56, 78
 stable isotope analysis, xiii, 67, 72
 stone tools, 42, 46, 51, 55, 104, 137–8, 163
 consumption and exchange of, 99, 149
 scientific analysis of, 87, 88, 102
 Stones of Stenness, 111, 115, 150–1, 152, 156, 157, 166
 structuralism, 5, 19–20
 structural linguistics, 17–18
 structuration, 20, 34
 structure
 macrostructure, 66, 72, 83
 microstructure, 66, 72, 74, 75, 180
 subjectivity, xiii, 3–6, 10, 11, 12–13, 20, 24–5, 35, 58–62, 65, 172
 symbols, 17–18, 19
 systems theory, 14–15, 16–17, 54, 58
 taphonomy, 14, 16, 178
 technology, xiii, 12, 33, 34, 35, 38, 64, 65, 89–93
 and society, 38, 80–1, 88, 90–3, 103, 170–1
 iron production, 78–82
 see also ‘*chaînes opératoires*’
 testability, 49–50
 theory: and methodology, xi, 2, 17, 21, 22, 26, 29, 61, 64, 103, 175
 thermoluminescence, 91
 ‘thick description’, 25
 trace element analysis, 67, 72
 ‘two cultures’, 1–3, 182
 typology, 105–6
 Unstan, 115, 130, 154
 use, 85, 105
 see also biography
 use-life, 84, 85, 97
 see also biography
 use-wear analysis, 98
 xeroradiography, 91
 x-ray fluorescence spectroscopy (XRF), 42, 66, 88, 89
 zooarchaeology: *see* faunal analysis