

Index

Area designations used in the index are the pre-1974 Scottish counties with current names in brackets where they differ from the old counties. Page numbers in bold indicate the subjects of chapters.

ABERDEENSHIRE

- hillforts of Strathdon **207–29**
- Pictish symbol stones, Rhynie 172–4, 181, 183, 184, 185, 186, 187
- Aberlemno (Angus), Pictish symbol stones 190, 191, 197–8
- Abernethie, John, pewterer 285, 291
- Abernethie chopin 285
- Ackergill (Caithness)
 - cemeteries of platform cairns and long cists 125–33, 134–8, 140; details of burials 135, 136–8
 - Pictish symbol stones 133–4
- Adam, W 293, 306
- Adomnán, Abbott of Iona 140, 146, 147
- agriculture
 - Gob Eirer, Lewis 58, 62
 - Loch Arthur crannog 118–19
- Ahronson, K 162
- Airs, M 322
- Aitchison, N 177, 188, 197
- al Azm, A 39, 59, 60
- Alcock, E A 200, 209, 218, 219
- Alcock, L 152, 156, 200, 207, 208, 209, 221, 222
- alder (*Alnus*), Gob Eirer, Lewis 62, 64
- alder (*Alnus*) timbers, Loch Arthur crannog 106, 108, 110, 111, 114, 115, 119
- Alexander, D 125, 140, 209, 211, 213, 224
- Allen, J R 133, 162, 163, 166, 170, 172, 175, 176, 177, 178, 181, 185
- Alnus* (alder), Gob Eirer, Lewis 62, 64
- Alnus* (alder) timbers, Loch Arthur crannog 106, 108, 110, 111, 114, 115, 119
- Amman, J 288
- Anderson, A 222
- Anderson, J 129, 133, 162, 163, 166, 170, 172, 175, 176, 177, 178, 181, 185

ANGUS

- hillforts 223–4
- Kettins cross-slab 168, 169, 170
- Panmure House **293–326**

ANGUS (*cont.*)

- Pictish symbol stones: Aberlemno 190, 191, 197–8; Glamis, Glamis Manse 178, 181, 182, 184, 185, 186, 187, 190, 198; Glamis, Hunter's Hill 177–8, 181, 182, 184, 185, 186, 187, 190, 191, 198; Strathmartine 174–5, 182, 185, 186, 187
- Anthony, D W 152–3, 156, 157
- Antrim (Ulster)
 - Dál Riata migration to Argyll **145–58**
 - early medieval settlements/fortified outcrops 146, 148, 150, 153–7
- anvil stones, Gob Eirer, Lewis 55, 56, 57, 70
- Arcano, Archangelo, plan for fortification of Kelso Abbey 271–5
- ARGYLL (Argyll and Bute)
 - Atlantic roundhouse at Loch Glashan **75–102**
 - Dál Riata migration to **145–58**
- Armit, I 20, 31, 33, 34, 56, 65, 66, 75, 77, 95, 96, 156, 209, 211, 216, 218, 219, 222, 223, 224
- Armour-Chelu, M 15
- Armoy (Co. Antrim), ring-headed pin 236, 238
- ash (*Fraxinus*), Gob Eirer, Lewis 62, 64
- Ashmore, P J 99, 134, 136
- Ashmore, W 33, 48
- Atherton, I 269
- Atkinson, D 209
- Atlantic settlements
 - promontory enclosure, Gob Eirer, Lewis **31–74**
 - roundhouse at Loch Glashan, Argyll **75–102**
- Attman, A 320
- Aufderheide, A C 13
- Bagnoli, M 243
- Bailey, R 239
- Bailey, R N 191, 200
- Baine, James, master wright 302, 322
 - Panmure House 300–1, 302–3, 307, 308, 309, 311–12, 313–15, 316–17, 318–19
- Balblair (Inverness-shire), Pictish symbol stone figures 172, 181, 183, 184, 185, 186, 187

- Balintoy Demesne (Co. Antrim), fortified outcrop 154, 155
- Ballin Smith, B 31
- Ballin, T B 52–5
- balls, Neolithic carved stone **19–29**
- Ballycastle (Co. Antrim), fortified outcrop 154
- Ballycleagh (Co. Antrim), fortified outcrop 154
- Ballynaglough (Co. Antrim), fortified outcrop 154
- Bamford, F 302
- Bannerman, J 146, 147, 148, 149
- Barber, J 9, 14, 34, 52
- Barber, J W 105, 106–7, 118, 120
- Barclay, A 96
- Barclay, G J 19
- Barclay-Estrup, P 62
- Barflat, Rhynie (Aberdeenshire), hillfort 213, 216, 219, 220, 221
- Barkin, K 289
- barley (*Hordeum* sp.)
Atlantic roundhouse, Loch Glashan 86
Gob Eirer, Lewis 45, 48, 59, 61, 62–3, 65
- Barmekin of Echt (Aberdeenshire), hillfort 213, 215
- Barmkyn of North Keig (Aberdeenshire), hillfort 213, 215, 221
- Barrett, J 31
- Barrow, G W S 270
- Barry, Sir Francis Tress 127–32, 134
- Batey, C 133, 140
- battlefield demons, Irish 188–91
- Bauchop, Tobias and John, builders, Panmure House 300, 312, 313
- bead, glass, Atlantic roundhouse, Loch Glashan 88, 93
- Beckett, J 15
- Beekhuizen, J F H H 288
- Behrensmeyer, A K 7
- Benson, D 9
- Betula* (birch)
Gob Eirer, Lewis 61–2, 64
Loch Arthur crannog 115, 116
- Bewcastle cross, iconography 239
- Bieler, L 149, 151
- Bigelow, G F 138
- Binford, L R 7
- birch (*Betula*)
Gob Eirer, Lewis 61–2, 64
Loch Arthur crannog 115, 116
- bird-men, Papil Stone 159–60, 163–4
comparative studies: Irish motifs 167–70, 188–91, 194, 199, 200; Norse literature 200; Pictish figures 168, 169, 170–8, 191–2, 199–200
- Birkham, H 164, 189
- Birkle Hills (Caithness), long cist cemetery 133, 134
- Birnie (Moray), early medieval brooch 236, 238
- Bishop, R R 63
- Black, S M 7
- blackberry, Loch Arthur crannog 117
- Blackmore, H L 271
- Blake, E 60
- Blanchard, L 264
- Boardman, S J 59
- bog ore, Gob Eirer, Lewis 57
- Bogaard, A 115, 116
- Bogwood, W 95, 96
- Bonamargy (Co. Antrim), fortified outcrop 154
- bones
animal, Gob Eirer, Lewis 40, 60
burnt, Gob Eirer, Lewis 40, 45, 47, 60
human: early Neolithic burials, Sumburgh 5–15; palaeopathological analysis 12–14; taphonomic assessment 9–12
- Bonnichsen, R 7
- Borsje, J 188
- Boucaud, P 289
- Bourke, C 238, 239
- Bouteljie, J B 122
- Bowden, M 222
- Bowett, A 321
- Braby, A 236
- bracken (*Pteridium aquilinum*)
encroachment, Atlantic roundhouse, Loch Glashan 91
Loch Arthur crannog 113, 115, 116
- Brain, C K 11
- bramble, Loch Arthur crannog 117
- Brandal, T 319, 320
- Branigan, K 33, 65
- Brassica* (cabbage)
Gob Eirer, Lewis 61, 63
Loch Arthur crannog 116
- Breadalbane brooch 245, 246
- Breen (Co. Antrim), fortified outcrop 154
- Breeze, D 219, 223
- Bremner, Simon 127, 128, 132
- Brennand, M 211
- Bressay cross-slab (Shetland) 164–7, 195
- Brickley, M 15
- Brombacher, C 118
- Bronk Ramsey, C 47, 48
- Bronze Age: late Bronze Age/early Iron Age
promontory enclosure, Gob Eirer, Lewis **31–74**

- brooches, early medieval, iconography **231–48**
- Brooks, C M 251
- Broom More (Co. Antrim), fortified outcrop 154
- Brothwell, D R 5, 8
- Broun, D 209
- Brown, K M 322
- Bruce, Sir William, Panmure House 302, 312–13
- Bruce-Mitford, R 173, 234, 236, 238, 241
- Bruce's Camp (Aberdeenshire), hillfort 213, 215
- Brück, J 66, 211
- Bruford, A 209
- Bryce, T H 135
- Bugge, A 320, 321
- Buikstra, J E 5, 14
- Burgess, C P G 33, 37, 63
- burials
- Ackergill Links, Caithness 135, 136–8
 - early Neolithic, Sumburgh: date 5; human remains 5–15; multiple burials 3, 5
 - see also* cemeteries
- Bute quarts 285–7
- cabbage (*Brassica*)
- Gob Eirer, Lewis 61, 63
 - Loch Arthur crannog 116
- Cairnmore (Aberdeenshire), hillfort 213, 215, 216, 219, 220, 221, 222
- cairns, platform, around Sinclair's Bay, Caithness **125–43**
- CAITHNESS (Highland), cemeteries of platform cairns and long cists around Sinclair's Bay **125–43**
- Calder, G 199
- Calder, J 19, 27
- Callahan, E 54
- Calluna vulgaris* (heather)
- Gob Eirer, Lewis 40, 61–2, 63, 64
 - Loch Arthur crannog 116
- Campbell, E 52, 56, 58, 93, 117, 145, 146, 147, 148, 152, 156, 157, 221
- canoe, dug-out, Loch Arthur 105
- Caple, C 120, 122
- Carex* spp. (sedge), Gob Eirer, Lewis 61, 63
- Carey, J 188
- Carnsmpson (Co. Antrim), fortified outcrop 154
- caryopsis, Atlantic roundhouse, Loch Glashan 86
- cemeteries, platform cairns and long cists, Sinclair's Bay, Caithness **125–43**
- comparative sites 138–40
- ceramics *see* pottery
- cereal grains
- Atlantic roundhouse, Loch Glashan 86
 - Gob Eirer, Lewis 39, 45, 59, 61, 62–3
 - Loch Arthur crannog 115, 116, 117
- chaff
- Gob Eirer, Lewis 39, 59, 61, 62
 - Loch Arthur crannog 117, 118
- Chalmers, P 141
- charcoal
- Gob Eirer, Lewis 40–1, 46, 47, 59, 61–2, 64
 - Loch Arthur crannog 115, 116
- Chenery, S 249, 255, 256, 264
- Chenopodium album* (fat hen), Loch Arthur crannog 116, 117
- Chesterman, J T 12
- chickweed (*Stellaria media*), Loch Arthur crannog 116, 117
- Childe, V G 20, 95, 96, 150, 153
- chopins, tappit hen form 281, 282, 283, 284, 285, 287–8
- Christian, K K 322
- Christison, D 92, 96
- Chrysanthemum segetum* (corn marigold), Gob Eirer, Lewis 61, 63
- cists
- long cists around Sinclair's Bay, Caithness **125–43**
 - Sumburgh, Shetland 4
- Clapham, A R 39
- Clark, R 188
- Clarke, D 211, 221, 234
- Clarke, D V 20, 26, 27, 133
- Cloghanmurry (Co. Antrim), fortified outcrop 154
- Close-Brooks, J 105, 134, 138
- cobble tools, Gob Eirer, Lewis 55–8, 70
- Coles, J 26
- Colgrave, B 146
- Collessie (Fife), Pictish symbol stone figure 174, 181, 183, 184, 185, 186, 187
- Collis, J 222
- Colvin, H 269, 276
- Connor, R D 280, 323
- Cordiner, C 177
- corn marigold (*Chrysanthemum segetum*), Gob Eirer, Lewis 61, 63
- Corthals, J 188, 189
- Corylus* (hazel)
- Gob Eirer, Lewis 62, 64
 - Loch Arthur crannog 113, 116

- Corylus avellana* (hazelnut)
 Atlantic roundhouse, Loch Glashan 86
 Gob Eirer, Lewis 61, 63
 Loch Arthur crannog 108, 110, 113, 114, 116
- Cottam, M 224
 Cotterell, H H 290
 Cowan, I B 274, 276
 Cowley, D 224
 Cox, E 250, 263
 cranium assessment, early Neolithic remains,
 Sumburgh 7, 8
 palaeopathology 13
 crannog, Loch Arthur
 monitoring phase 120–2
 underwater survey and excavation **103–24**
- Craw, J H 200
 Crawford, B 162
 Cree, J E 142
 Crone, A 93, 321
 Crone, B A 103, 105, 107, 110, 117, 118, 120
 cross-slabs
 Aberlemno 190, 191
 Bressay 164–7, 195
 Dunfallandy 242
 Glamis 177–8, 181, 182, 184, 185, 186, 187, 190
 Golspie 176–7, 182, 184
 Papil Stone **159–205**
 Rossie Priory 175–6
 Skinnet Chapel, Caithness 241
 Thorwald's, Isle of Man 191
 crosses-of-arcs 192–6
 cruciferae, Loch Arthur crannog 116
 Cruden, S 250
 Cubbon, A M 191
 Cunliffe, B 207
 Curle, A 249
 Curle, C L 167, 170, 172, 175, 178, 181, 184, 192, 195, 196, 197
 Cuyonvarc'h, C 188
 cyperaceae, Loch Arthur crannog 116
- Dál Riata migration to Scotland from Ulster **145–58**
 documentary sources 145–52
 material evidence 152–7
- Davies, J 213
 Davies, K 309
 Davies, M 207, 224
 Dean, M 107
 Dearing, J 41
 dental assessment, early Neolithic remains,
 Sumburgh 8, 9
 palaeopathology 13–14
 dentine, radiocarbon dating 5, 6
 Dickson, C A 39, 60, 63
 Dickson, J H 62, 63
 Dixon, N 119
 Dixon, T N 33, 117, 118
 Dobbs, M 209
 Dockrill, S J 48
 Donnelly, C 157
 Doonmore (Co. Antrim), fortified outcrop 150, 153, 154, 155, 156
 Driscoll, S 218, 221
 Drumadoon (Co. Antrim), fortified outcrop 150, 153, 154, 155
 DuBois, T A 191
 Duday, H 15
 Duff-Dunbar, Katharine 140, 142
 Duff-Dunbar, Louise 127, 133–4, 141
 Dumville, D 146, 147, 148, 149, 151
 Dunbar, J 295
 Dunbar, J G 302, 309, 313, 323
 Dunbar, L 209, 211
 Dunbeath brooch, iconography 233–7, 245
 Duncan, A A M 152
 Dunfallandy (Perthshire), cross-slab 242
 Dungworth, D 120
 Dunnideer (Aberdeenshire), hillfort 213, 215
 duns 218
 classification 155
 Dunshammer (Co. Antrim), fortified outcrop 154, 155
 Dunwell, A 65, 224
- Easson, D 274
 EAST LOTHIAN, hillforts 223–4
 Edmonds, M 20
 Edward, R 297
 Edwards, A J H 56, 125, 127, 128–9, 132, 133, 135, 136, 138
 Edwards, K J 211, 221, 223
 Edwards, N 194, 222
 Egeler, M 188
 Elbern, V H 232
 Eldjárn, K 142
 emmer wheat (*Triticum dicoccum*), Loch Arthur
 crannog 116, 117
 enclosures, promontory *see* promontory enclosures
- Fairhurst, H 56, 93, 94, 95
 Fanning, T 238, 239

- farming *see* agriculture
- fat hen (*Chenopodium album*), Loch Arthur
crannog 116, 117
- Faulkes, A 200
- Faversham (Kent), hanging bowl mounts 241
- Fawcett, R 321
- Feachem, R 207, 209, 216, 224
- femur, early Neolithic remains, Sumburgh 5, 9
- Ferguson, J 276, 277
- Fettes, D J 52
- Fieller, N 39
- FIFE, Pictish symbol stone, Collessie 174, 181, 183, 184, 185, 186, 187
- Finlayson, B 223
- Fisher, I 160, 162, 166, 194
- Flitcroft, C 60
- Forsyth, K 166
- fortified outcrops, Co. Antrim 146, 148, 153
- Foster, P 33
- Foster, S 211
- Fotheringham, H S 279
- Fowler, E 238
- Fraser, I 130, 133, 134, 139, 141, 172, 173, 174, 175, 176, 178, 179, 181, 186, 192, 241, 242, 246
- Fraser, J 211, 213, 222, 223
- Fraxinus* (ash), Gob Eirer, Lewis 62, 64
- Freswick (Caithness) brooch 235–6
- Friedman, T 276
- fuel use, Gob Eirer, Lewis 60–2
- galeopsis, Loch Arthur crannog 116
- Galer, D 12
- Gallagher, D 321
- gesting gloves 322
- Gibson, A 54
- Gidney, L 60
- Gillespie, J E 105, 119
- Gillmore, G K 3
- Gimingham, C H 62
- Glamis (Angus), Pictish symbol stones, figures on:
Glamis Manse Stone 178, 181, 182, 184, 185, 186, 187, 190, 198; Hunter's Hill stone 177–8, 182, 184, 185, 186 187, 190, 191, 198
- glass bead, Atlantic roundhouse, Loch Glashan 88, 93
- Glendinning, B 209
- gloves, gesting 322
- Gob Eirer (Lewis), promontory enclosure **31–74**
environmental archaeology 58–66
landscape context 37
- Gob Eirer (Lewis) (*cont.*)
location 36
material culture 48–58; coarse stone 55–8; lithics 52–5, 69–70; pottery 48–52, 58, 64, 67–9
site chronology 48
survey and excavation: methodology 37–41;
research aims 37; results 41–8
- Golspie (Sutherland), Pictish symbol stone, figure on 176, 183, 184, 185, 186, 187
- Gomme, A 298
- Gondek, M 215, 216
- Goransson, B 122
- Gordon, A 177, 178
- Goring, E 26
- Goudie, G 159
- Gow, I 293, 302
- Graham-Campbell, J 140
- grain *see* cereal grains
- Grant, F J 302
- grasses, Gob Eirer, Lewis 39, 61, 63
- Gray, E 188
- Green, M 119
- Greig, C 134, 138, 139
- Grieve, N 299, 321, 322
- Grime, J P 62
- Grose, F 275
- Grousehall (Co. Donegal), ring-headed brooch 237, 238
- Guido, M 88
- Gulermovich Epstein, A 188, 189
- Gunther, R T 306, 307
- Gwilt, J 319, 320
- Gwynn, L 146
- half-mutchins, tappit hen form 281, 283, 284, 285
- Hall, M 260, 321
- Hall, M A 179, 188
- hammerstones
Atlantic roundhouse, Loch Glashan 87
Gob Eirer, Lewis 47
Loch Arthur crannog 109
- Hanson, W S 211
- Harbison, P 168, 169, 170, 185, 194
- Harding, D 155
- Harding, D W 33, 75, 77, 95, 96, 117, 218
- Harman, M 5, 8, 9, 12
- Harvey, B 276
- Harvie, John, pewterer 284
- Haselgrove, C 207, 223, 224
- Hather, J 39
- Hay, G D 324

- Haynes, E 321
- hazel (*Corylus*)
 Gob Eirer, Lewis 62, 64
 Loch Arthur crannog 113, 116
- hazelnut (*Corylus avellana*)
 Atlantic roundhouse, Loch Glashan 86
 Gob Eirer, Lewis 61, 63
 Loch Arthur crannog 108, 110, 113, 114, 116
- heather (*Calluna vulgaris*)
 Gob Eirer, Lewis 40, 61–2, 63, 64
 Loch Arthur crannog 116
- Hedges, J W 3, 5, 8, 10, 12, 14, 94
- Henderson, G 181, 222, 235, 242
- Henderson, I 167, 170, 172, 188, 191, 195, 222, 235, 242
- Hennessey, W M 109
- Henry, F 162, 163, 192, 194, 195, 196
- Herbert, M 188, 189
- Higgins, J G 194, 196
- Hill, P 224
- Hill of Barra (Aberdeenshire), hillfort 213, 214, 215–16, 217, 219, 220, 221, 222
- Hill of Keir (Aberdeenshire), hillfort 213, 215, 219, 220, 221
- Hill of Newleslie (Aberdeenshire), hillfort 213, 215
- hillforts
 distribution across Scotland 210, 223–4
 Strathdon **207–29**
- Hillson, S 9
- Hingley, R 75, 207
- Hodgson, J M 40, 41
- Hoffman, B 213
- holly, Loch Arthur crannog 116
- Hordeum* sp. (barley)
 Atlantic roundhouse, Loch Glashan 86
 Gob Eirer, Lewis 45, 48, 59, 61, 62–3, 65
- Hornsby, P 290
- Howard, D 298
- Howard, M 293, 325
- Hubbard, R N L B 39, 59, 60
- Hunter, F 211, 216, 224, 236
- Hunter Blair, A 136
- Hunter's Hill, Glamis (Angus), Pictish symbol stone, figures on 177–8, 181, 182, 184, 185, 186, 187, 190, 191, 198
- Hunterston brooch, iconography **231–48**
- iconography
 animal motifs 166, 196–7, 231–45
 battlefield demons 188–91
 beast-headed/axe-carrying figures 170–88, 197–8
 iconography (*cont.*)
 bird-men 159–60, 163–4, 167–70, 181, 190–2
 Bressay cross-slab 164–7, 195
 Christian motifs 167–70, 191–2, 194–8, 237–46
 Hunterston brooch and related early medieval material **231–48**
 Papil Stone **159–205**
 Ingleby Wood, L 280, 284, 285, 287, 288, 289, 290, 291
- INVERNESS-SHIRE
 Pictish symbol stone, Balblair 172, 181, 183, 184, 185, 186, 187
 promontory enclosure, Gob Eirer, Lewis **31–74**
- Inverurie (Aberdeenshire), hillfort sites 219, 220, 221
- Ireland, crosses-of-arcs 192–6
- Ireland, Northern, Dál Riata migration to Scotland **145–58**
- Irish imagery
 battlefield demons 188–91
 comparison with Papil Stone 167–70, 188–91, 194, 197–8, 199, 200
 Temptation of St Antony 167–70, 191
- iron, bog ore, Gob Eirer, Lewis 57
- Iron Age
 Atlantic roundhouse, Loch Glashan, Argyll **75–102**
 crannog, Loch Arthur **103–24**
 late Bronze Age/early Iron Age promontory enclosure, Gob Eirer, Lewis **31–74**
- iron pan, Gob Eirer, Lewis 47, 57
- Isle of Man, cross-slab at Kirk Andreas 191
- Jacomet, S 118
- Jakobsen, J 162
- Jamieson, J 290
- Johnson, J 221
- Johnson, Melanie 48–53
- Jones, G E M 59
- Jones, M 38, 58
- Jones, R 213, 222
- Kay, B 289
- Keefe, K 5, 14
- Keiss (Caithness)
 long cist and circular cairn 133, 136
 Pictish symbol stones 133–4
- Kelleher, J V 147
- Kelly, F 148, 189
- Kelso Abbey, 1545 plan for fortification **269–78**
- Kenward, H K 38, 86

- Kermode, P M C 191
 Kettins (Angus), Pictish cross-slab 168, 169, 170
 Killua Castle shrine (Co. Westmeath) 237–8
 Kingsley Porter, A 167, 170
 Kintore (Aberdeenshire)
 hillfort sites 209, 211, 212, 220
 unenclosed settlements 211
 KIRKCUDBRIGHTSHIRE (Dumfries and
 Galloway), Iron Age crannog, Loch Arthur **103–24**
 Knapp, A B 33
 knotgrass (*Polygonum aviculare*)
 Gob Eirer, Lewis 61, 63
 Loch Arthur crannog 116
 Knott, E 199
 Kruse, A 162
- Laing, J 173, 177, 197
 Laing, L 114, 163, 171, 173, 175, 176, 177, 178, 184,
 185, 186, 192, 197, 200, 246
 Laing, L R 250, 263
 Laing, S 128, 129, 133, 136, 137
 Lamb, R G 170, 192
 Lane, A 56, 99, 156, 221
 Lang, J 200
 Lange, C A 320
 Langley, D 246
 larch (*Larix*), Gob Eirer, Lewis 62, 64
 Lawrence, D 12, 13, 14
 Le Roux, F 188
 leather working, Gob Eirer, Lewis 55, 56, 57, 65
 Lebour, N 54
 Lee, F 8
 Lelong, O 140, 224
 Lewis, J M 196
 Lewis (Inverness-shire), promontory enclosure at
 Gob Eirer **31–74**
 Lillehammer, A 304, 321, 322
 Lillie, M 105, 120
 Lines, M 174
 Ling heather (*Calluna vulgaris*), Gob Eirer,
 Lewis 40, 61–2, 63, 64
 Lionard, P 162, 163, 192, 194, 196
 Lisbellangroagh More (Co. Antrim), fortified
 outcrop 154
 livestock, Loch Arthur crannog 118
 Loch Arthur (Kirkcudbrightshire), Iron Age
 crannog **103–24**
 Loch Glashan (Argyll), Atlantic roundhouse **75–102**
 excavation 79–99
 survey 78–9
 tree and bracken encroachment 90–2
- Lock, G 222
 Logan, J 173
 log-boat, Loch Arthur 105
 Longworth, I 26
 Lowe, C 275
 Lowrey, J 297
 Lucas, A T 239, 240
- MacAirt, S 149, 156
 MacAskill, N L 251
 McCone, K R 188
 McCullagh, R P J 224
 MacDonald, A D S 162
 MacDonald, A R 298
 Macdonald, M 27
 MacGregor, G 20, 27, 224
 McHardy, I 37, 63, 66
 Macinnes, L 207, 224
 Mack, A 134, 174, 184
 Mackay, M A 322
 McKean, C 293, 295, 298, 302, 309
 MacKie, E W 75, 77, 94, 95, 99
 McLaren, D 55–8
 Maclean, C 289
 MacLean, D 238
 McNeil, P 209
 MacNeill, E 189
 MacNiochaill, G 149, 156
 McOmish, D 222
 MacQueen, H 209
 MacSween, A 48–53
 Maguire, S 298
 Mahieu, E 7
 Maiden Castle (Aberdeenshire), hillfort 213, 215,
 216, 217, 218, 219, 220, 221, 222
 Maiden Stone (Aberdeenshire) 222, 241, 242
 Mail Stone (Shetland) 171–2, 181, 183, 184, 185,
 186, 187
 Maldonado, A 137
 Manchester, K 13
 Manning, W H 96
 Marrs, R H 91
 Marshall, D N 20, 26, 27
 Marshall, R M A 168, 182
 Martin, C J M 280, 281
 Marwick, H 304
 Masterton, John, glazier, Panmure House 308
 Matthiesen, H 122
 Maule family, Panmure 294–7, 299–300
 Maule, H 295, 297, 302, 306, 312, 2992

- Maule, John, chamberlain, Panmure 301, 303, 318, 322
- Maxwell, G 93, 155
- Maxwell, Stuart, obituary 1–2
- Mays, S 13, 14
- measures, Scottish 280
- tappit hen **279–92**
- medieval period, early
- Aberdeenshire sites 207, 208, 209
- Strathdon hillforts 214–23
- brooches, iconography **231–48**
- hillforts 223–5
- settlements/fortified outcrops, Co. Antrim 146, 148, 150, 153–7
- Meehan, B 195
- Merriman, M 271
- Meyer, K 188, 199, 201
- migration
- archaeology 152
- counterstream 153, 156–8
- Dál Riatic migration to Scotland from Ulster **145–58**
- Millar, A H 295
- Miller, J 118
- Mills, C 75, 91, 298
- Mither Tap, Bennachie (Aberdeenshire), hillfort site 209, 212, 213, 218, 219, 220, 221, 222
- Moar, P 162, 167
- Montgomery, J 5
- Monymusk reliquary 239, 241, 242, 243
- Moore, H 26
- Moore, K 321
- Morris, C 138
- Morrison, I 109, 117
- Morrison-Low, A D 323
- moss deposits
- Atlantic roundhouse, Loch Glashan 91–2
- Loch Arthur crannog 115, 116
- Mowat, R J C 105
- Mowat, S 322
- Moylough belt shrine 239, 240
- Mullin, J M 39, 60, 62
- Mulville, J 60, 63
- Munro, R 117
- Murray, J C 250
- Murthly (Perthshire), Pictish symbol stone
- figures 179–80, 182, 184, 185–6, 187, 190, 191
- mustard (*Sinapis*)
- Gob Eirer, Lewis 61, 63
- Loch Arthur crannog 116
- Mylne, John, master mason, Panmure House 299, 300, 301, 317–18
- Mylne, R S 312, 313
- Mynors, R A B 146
- Napier, John, pewterer 287
- Neckara* spp., Loch Arthur crannog 115
- Needham, S 20
- Neolithic period
- carved stone ball **19–29**
- early human remains, Sumburgh **3–17**;
- palaeopathological analysis 12–14; taphonomic assessment 9–12
- nettle (*Urticaria urens*), Loch Arthur crannog 116
- nettle, stinging (*Urticaria dioixa*), Loch Arthur crannog 116, 117
- Newman, R 211
- Newton, A J 56
- Nicholson, R A 3
- Nicolaisen, W F H 141
- Nicolson, John 127, 128, 130, 131, 141
- Nieke, M 218, 243
- Nieke, M R 75, 76, 77, 95
- Nisbet, Alexander, master mason, Panmure House 299, 300, 301, 317, 318
- Nisbet, H C 96
- Noble, G 215, 216
- Ó Carragáin, É 239, 241, 242
- Ó hUiginn, R 201
- oak (*Quercus*), Gob Eirer, Lewis 62, 64
- oak (*Quercus*) timbers, Loch Arthur crannog 106
- Ochterlony, J 294
- Ogden, A 12, 13
- O’Kelly, M J 240
- O’Neil, M 233, 235, 240, 243
- O’Rahilly, C 180
- Oram, R 276
- O’Reilly, J 237
- Ortner, D 12, 13
- Outram, A K 7
- Pakeman, R J 91
- Pankhurst, R J 39, 60, 62
- Panmure House (Angus) **293–326**
- building 300–2, 317–19; ancillary buildings 312; contracts 299–300, 301, 302–15, 317–18; design 298–9, 301, 305, 317; doors 308; flooring 306–7, 317; lead 306; metalwork 308–9; plasterwork 311–12; roofing 303–6; slates 306; staircase 309–11; windows 307–8

- Panmure House (Angus) (*cont.*)
 site location 296–7
 use of timber in 294, 298, 301, 302, 313, 315–17;
 doors 308; flooring 306–7; roofs 303–6, 309;
 staircase 309–11
- Papil (Shetland)
 monk's stone 161–2
 place-name 162
 St Laurence's Church 160–2
- Papil Stone, iconography **159–205**
 bird-men 159–60, 163–4; comparative studies
 167–92
 comparison with Bressay cross-slab 164–7
 date 192–8
- Parker Pearson, M 31, 33, 56, 65, 75, 96
- Parry, G A 3, 5, 8, 10, 12
- Paton, H 284, 285
- peat as fuel, Gob Eirer, Lewis 60
- peat ash, Gob Eirer, Lewis 45, 46, 47, 59
- Pederson, A 176
- Peltenburg, E J 94, 95
- pelvic bones, early Neolithic remains, Sumburgh 5,
 7, 8
- Perry, D 224
- Perry, D R 321
- PERTSHIRE (Perth and Kinross), Pictish symbol
 stones
 Murthly 179–80, 182, 184, 185–6, 187, 190, 191
 Rossie Priory 175–6, 182, 184, 185, 186, 187,
 191, 198
- Peters, C 59
- petrography, medieval pottery analysis 251, 253–4,
 263
- pewter objects, tappit hen measures **279–92**
- Phillips, G 271
- Picea* (spruce), Gob Eirer, Lewis 62, 64
- Pictish symbol stones
 Ackergill and Keiss 133–4
 animal motifs 241–2
 Christian themes 191–2, 194–8, 241–2
 figure comparison with Papil bird-men 168, 169,
 170–92
 with weapon-carrying, beast-headed or monstrous
 human figures 170–80, 197–8
- Picts, platform cairns, Ackergill cemetery **125–43**
- Piggott, S 19, 26, 224
- pine (*Pinus*), Gob Eirer, Lewis 62, 64
- pint measure, tappit hen form 281, 282, 283, 284,
 285
- Pinus* (pine), Gob Eirer, Lewis 62, 64
- Pitts, M 26
- plant remains
 Atlantic roundhouse, Loch Glashan, Argyll 86
 Gob Eirer, Lewis 39–40, 48, 59, 61, 63
 Loch Arthur crannog 108, 110, 113, 114, 115–17,
 118
- Plantago lanceolata* (ribwort plantain), Gob Eirer,
 Lewis 61, 63
- poaceae, Gob Eirer, Lewis 61, 63
- Pollard, M 249
- Pollock, D 211
- Polygonum aviculare* (knotgrass)
 Gob Eirer, Lewis 61, 63
 Loch Arthur crannog 116
- polygonum lapathifolium, Loch Arthur crannog 116
- pomoideae, Gob Eirer, Lewis 62, 64
- potentilla, Loch Arthur crannog 116
- pottery
 Gob Eirer, Lewis 45, 47, 48–52, 58, 64, 67–9
 Loch Arthur crannog 113–14
 medieval 249–50; chemical sourcing **249–67**;
 redware 250, 251, 254–61, 262, 264–5; white
 gritty ware 250–4, 261–4
- pounder tool
 Atlantic roundhouse, Loch Glashan 87
 Gob Eirer, Lewis 55, 56, 57, 70
- Powers, N I 5, 12
- prickly sow thistle (*Sonchus asper*), Loch Arthur
 crannog 116, 117
- Pride, G 319, 320, 321, 322, 323
- Pringle, B 274
- promontory enclosures, Uig 32, 35, 37
 Gob Eirer **31–74**
- Pteridium aquilinum* (bracken)
 encroachment, Atlantic roundhouse, Loch
 Glashan 91
 Loch Arthur crannog 113, 115, 116
- pumice, worked, Gob Eirer, Lewis 55–6, 57, 70
- quartz, Gob Eirer, Lewis 52–3, 54, 64–5
 in pottery 48, 54, 57, 64
 worked quartz 45, 47, 52–3, 56, 57–8
- Quercus* (oak), Gob Eirer, Lewis 62, 64
- Quin, E G (DIL) 199
- Radford, C A R 167
- radiocarbon dating
 Atlantic roundhouse, Loch Glashan, Argyll 86–7,
 92–3
 crannogs 118; Loch Arthur 114–15
 early Neolithic remains, Sumburgh 5, 6
 Gob Eirer, Lewis 45, 47, 48
 Strathdon hillforts 216, 217

- Raleigh-Radford, C A 120
 Ralston, I 207, 209, 216, 218, 221, 222, 223, 224
 Ramsay, A 290
 ranunculus, Loch Arthur crannog 116
 raspberry (*Rubus idaeus*), Loch Arthur crannog 116, 117
 Redknap, M 196
 redware, medieval 250, 251
 chemical sourcing 249, 254–61, 262
 floor tiles 258
 production sites 256, 264
 stove tiles 258, 259
 Reed, I 263
 Rees, A 209
 Rees, T 75, 91
 Reimer, P J 47, 48
 Reiss (Caithness), circular cairn 128, 130–2, 141
 Rennel, R 31
 Rhynie (Aberdeenshire)
 hillforts 213, 216, 219, 220, 221
 Pictish symbol stones, figures on 172–4, 181, 183, 184, 185, 186, 187
 ribwort plantain (*Plantago lanceolata*), Gob Eirer, Lewis 61, 63
 Richardson, H 237, 246
 Richardson, K M 20, 56
 Ritchie, A 14, 160, 162, 166, 171, 176, 186, 188, 191, 192, 195
 Robb, J 15
 Roberts, C 13
 Robertson, A 118
 Robertson, W N 250
 Robinson, M 320
 Rodney's Stone, Brodie Castle (Moray) 246
 Rodriguez-Martin, C 13
 Rogers, J 8, 12
 Roksandic, M 10, 12
 Roman marching camp, Kintore 213
 rose, Gob Eirer, Lewis 62, 64
 Ross, A 219
 Rossie Priory (Perthshire), Pictish symbol stone
 figure 175–6, 182, 184, 185, 186, 187, 191, 198
 roundhouses, Atlantic 93–6, 99
 Loch Glashan, Argyll **75–102**
 rowan (*Sorbus aucuparia*), Gob Eirer, Lewis 61, 63
 ROXBURGHSHIRE, 1545 plan for fortification of
 Kelso Abbey **269–78**
Rubus idaeus (raspberry), Loch Arthur crannog 116, 117
Rumex sp., Loch Arthur crannog 116
 Rumex acetosella (sheep's sorrel), Gob Eirer, Lewis 61, 63
 Ruthwell cross, iconography 239
 rye (*Secale*), Loch Arthur crannog 116, 117
 Sachs, H 288
 St Ninian's Isle (Shetland), brooch 235–6, 246
 Sands, R J S 118
 Saunders, C 96
 Saville, A 56
 scanning, digital, carved stone ball 23–5
 Scheuer, L 7
 Schreiner, J 319, 320
 Schulting, R 12
 Schweingruber, F H 39
 Scott, C 251
 Scott, I G 160, 162, 166, 171, 191, 192
 Scott, J G 15
 Scott, Sir Walter 290
Secale (rye), Loch Arthur crannog 116, 117
 sedge (*Carex* spp.), Gob Eirer, Lewis 61, 63
 Sharples, N 31, 33
 Shaw, S 269
 Shead, N F 278
 sheep's sorrel (*Rumex acetosella*), Gob Eirer, Lewis 61, 63
 Shepherd, A 20, 219
 Shepherd, A N 170, 172, 173, 174, 175, 185
 Shepherd, I 219
 Shepherd, I A G 170, 172, 173, 174, 175, 185
 Sheridan, A 136
 SHETLAND
 carved stones: Bressay cross-slab 164–7, 195;
 Mail Stone 171–2, 181, 183, 184, 185, 186, 187; Papil Stone **159–205**
 Sumburgh, early Neolithic human remains **3–17**
 Sibbald, R 160
 Siddorn, J K 200
 Simpson, A D C 280, 323
 Simpson, J 293, 306, 309
Sinapis (mustard)
 Gob Eirer, Lewis 61, 63
 Loch Arthur crannog 116
 Sinclair's Bay (Caithness), cemeteries of platform
 cairns and long cists **125–43**
 skeletal remains
 animal, Gob Eirer, Lewis 40, 60
 early Neolithic, Sumburgh **3–17**;
 palaeopathological analysis 12–14; taphonomic
 assessment 9–12
 Skene, J 173

- Skinnet Chapel (Caithness), cross-slab, motifs 241
 Slezer, J 275
 Small, A 224, 234, 235
 Smith, H 60, 63
 Smith, M 15
 Smith, R 244
 smoother tool, Gob Eirer, Lewis 55, 56, 57, 70
 Smout, T C 298
 Smyth, A 209
 soil analysis, Gob Eirer, Lewis 40–1, 58–60
 Somervell, Robert, pewterer 284, 291
Sonchus asper (prickly sow thistle), Loch Arthur crannog 116, 117
Sorbus aucuparia (rowan), Gob Eirer, Lewis 61, 63
 Sorg, M H 7
 South West Crannog Survey, Loch Arthur **103–24**
 spectrometry, medieval pottery analysis 249, 251, 253, 254, 255, 259–63, 264–5
 sphagnum, Loch Arthur crannog 116
 spruce (*Picea*), Gob Eirer, Lewis 62, 64
 Stace, C 39, 62
 Stain (Caithness), long cist/cairn 133, 136, 137
Stellaria media (chickweed), Loch Arthur crannog 116, 117
 Stevenson, R B K 127, 156, 166, 176, 178, 192, 196, 231, 232, 237, 240, 243, 244
 Stewart, Henry M 19
 Stewart, M 162, 167
 Stoddart, R W 5, 8
 Stoddart, S 99
 Stokes, W 149, 189, 201
 stone objects
 Atlantic roundhouse, Loch Glashan 87
 Gob Eirer, Lewis 52–7, 64, 69–70;
 manufacture 54
 Loch Arthur crannog 109
 Neolithic carved stone ball **19–29**
 stones
 carved: Bressay cross-slab 164–7, 195;
 Neolithic carved ball **19–29**; Papil Stone
 iconography **159–205**, *see also* Pictish symbol stones
 fire-cracked: Gob Eirer, Lewis 57, 65; Loch Arthur crannog 109, 111, 113, 118
 Strachan, D 223
 Strathdon (Aberdeenshire), hillforts **207–29**
 Strathmartine (Angus), Pictish symbol stone
 figure 174–5, 182, 185, 186, 187
 Stuart, J 174
 Stuart-Macadam, P 13
 Sumburgh (Shetland), early Neolithic human remains **3–17**
 SUTHERLAND, Pictish symbol stone, Golspie 176, 183, 184, 185, 186, 187
 Swan, V 213
 Swift, C 192
 Tabraham, C J 271, 273, 274, 275
 Tait, I 162
 Tap o’Noth (Aberdeenshire), hillfort 213, 219, 220, 221, 222
 tappit hens **279–92**
 Bute quarts 285–7
 chopins 281, 282, 283, 284, 285, 287–8, 291;
 Abernethie 285
 from the *Swan* 280–5
 half-mutchins 281, 283, 284, 285
 measurements 291
 origin of name 289–90
 origins and evolution of form 288–9
 pint 281, 282, 283, 284, 285, 291
 with vertical seams 282, 288, 289
 ‘Tara’ brooch, iconography 233–8, 244–6
 Taylor, D B 218
 Taylor, S 213
 thistle, prickly sow (*Sonchus asper*), Loch Arthur crannog 116, 117
 Thomas, C 160, 162, 192
 Thomson, J 126, 134
 Thorneycroft, W 95, 96
 Thorsteinsson, A 140
 Thurneysen, R 188, 199
 Tilley, C 33
 Tillymuick (Aberdeenshire), hillfort 213
 timber as building material 298, 302
 imported timber 298, 301, 303–6, 315–17, 318, 321, 322; storage 322
 Panmure House 294, 298, 301, 313, 315–17, 318;
 doors 308; flooring 306–7, 317; roof 303–6, 309; staircase 309–11; types of timber 315, 316–17
 timber terminology/products, glossary 319–21
 Todd, T N 20
 tools, Gob Eirer, Lewis 53–5, 64
 cobble tools 55–8, 70
 Townparks, Ballycastle (Co. Antrim), fortified outcrop 154
 Tredgold, T 320
 tree encroachment, Atlantic roundhouse, Loch Glashan 90, 91, 92
 Trench-Jellicoe, R 163, 166, 192, 194, 195, 197, 198

- Triticum* sp. (wheat), Loch Arthur crannog 116, 117
Triticum dicoccum (emmer wheat), Loch Arthur crannog 116, 117
 Trotter, M 9
 turf as fuel, Gob Eirer, Lewis 60
 Turner, V 3, 170, 171, 172, 185
- Ubelaker, D H 5, 14
 Uig Landscape Project 31–3
 landscape survey (1995) 33–4, 37
 promontory enclosure of Gob Eirer **31–74**
 research aims 34–7
 Uig peninsula (Lewis)
 landscape 33
 location 32
 promontory enclosures 32, 35, 37; Gob Eirer **31–74**
 Ulster, Dál Riata migration to Scotland **145–58**
 underwater survey and excavation, Loch Arthur crannog 106–17
 Underwood, R 200
Urticaria dioica (stinging nettle), Loch Arthur crannog 116, 117
Urticaria urens (nettle), Loch Arthur crannog 116
- van der Veen, M 39, 86
 Van Hamel, A G 188, 201
 Villa, P 7
 Vince, A 253, 263
 viola, Loch Arthur crannog 116
 Von See, K 200
- Wagner, P 188, 199, 200
 Waldron, T 12, 13, 14
 Walker, B 321
 Walker, D 295
 Warden, A J 300
 Warner, R 221
 Watkins, T 224
 Watson, C B B 302
- Watson, F 298
 Watson, W 221
 Watt, D E R 278
 Watt, T 162
 Webster, J 119
 Webster, L 238
 Welfare, H 213
 Wemyss, C 293, 294, 298, 299, 323
 Werner, S D 152
 wheat (*Triticum* sp.), Loch Arthur crannog 116, 117
 Wheedlemont (Aberdeenshire), hillfort 213, 219, 220, 221
 White Hill (Aberdeenshire), hillfort 213, 215, 219, 220, 221
 whiteware: Scottish White Gritty Ware 250–1, 263
 chemical sourcing 249, 251, 253–4, 261–4
 production sites 261, 263–4
 Whitfield, N 238, 239, 244
 Whittington, G 211
 Whittle, A 9, 11
 Will, R 249
 Williams, H 139
 Williams, J 105, 110, 113, 119
 Willis, S 66
 Wilson, Charles, painter, Panmure House 308
 Wilson, D M 196, 200
 Wilson, G 26
 Wilson, M A 265
 Windisch, E 189
 wood remains
 Gob Eirer, Lewis 40–1, 61–2, 64
 Loch Arthur crannog 108, 110, 113, 115, 116
 Woolf, A 222, 223
 Wooliscroft, D 213
 Wysocki, M 9
- Young, A 20, 56
 Young, H W 200
 Youngs, S 200, 234, 235, 237, 238, 241, 243, 245