Index

Area designations used in the index are the pre-1975 Scottish counties with current council names in brackets where they differ from the old counties. Page numbers in bold indicate the subjects of chapters; those in italics denote illustrations.

ABERDEENSHIRE
dendrochronological data
Crathes Castle  332, 335, 353, 360
Drum house/castle  332, 335, 353–4, 354, 360
Inverey  332, 355
Red House, Mar Lodge Estate  332, 355, 357, 361
Acanthocardia echinata (prickly cockle) shells, Eldbotle 257, 269
Aegopinella nitidula, Croig Cave midden 109, 113
Agonus cataphractus (hook-nose) bones, Croig Cave 100, 107
Agriculture
Eldbotle 277, 278–9
arable 256, 281–2, 287; failures in 283, 287–8;
livestock 255–6, 283, 287, 289; plaggen soil 250, 253, 257, 271; tools 255, 272
Pitcarmick 168, 172–3, 185
plaggen soil 253, 281–2
prehistoric, impacts of climate change 11, 15, 16, 17–18
Airlie (Angus), holy bell 231, 239
Alder (Alnus glutinosa) charcoal
Croig Cave 117, 118, 119, 120
Pitcarmick 180, 183
Alloa Tower (Clackmannan), oak timbers 353
Allt Coire Phadairlidh (Perthshire) 31
rock carvings 31–61; for detailed entry see under Ben Lawers Estate
Alnus glutinosa (alder) charcoal
Croig Cave 117, 118, 119, 120
Pitcarmick 180, 183
Ammodytes spp (sand eel) bones, Croig Cave 96, 106
amphibian bones, Croig Cave 108–9, 110–12
Anderson, Joseph 442, 443, 446, 451
Anderson, Sue, contributor (Greig), artefacts at Cullykahn 317–19
Anderson-Whymark, Hugo, joint author see Bradley, Richard
Anguilla anguilla (eel) bones, Croig Cave 96, 97, 99, 100, 105
ANGUS
68–74 High St, Brechin, timbers 332, 336, 338, 340–1, 362, 363
Guthrie Aisle oak timbers 332, 336, 338, 339, 340, 341, 343
jet necklace from Lunanhead 436, 436, 437
medieval holy bells 220, 221, 222, 224–5, 239
Restenneth Priory 449, 450, 450, 451
animal bones
Croig Cave 108–9, 110–12, 122
Eldbotle 252, 255–6, 260, 266, 267, 269, 271, 272, 274
Pitcarmick 180–1, 184
animal-metamorphosis 398–9, 405
anorthite, shell-midden, Croig Cave 85, 86, 87
anthrosol see plaggen soil
Archerfield Estate (East Lothian)
medieval settlement of Eldbotle 245–99
site location 246
for detailed entry see Eldbotle
Roy’s Military Survey of Scotland 295
ard points, Pitcarmick 171, 175, 176
Ardchattan (Argyll), holy bell 237
ARGYLL (Argyll and Bute)
Cladh Bhile 451, 453
Croig Cave, Mull 63–132
holy bells and bell-shrines 237; Kilmichael Glassary Bell-shrine 201–44
William Galloway’s work: carved stones 451, 453; Colonsay and Oronsay 442–7; Iona Abbey and Priory 238
Artica islandica (Icelandic cyprine) shells, Eldbotle 257
Ascherson, C Neal, brief biography 488
ash (Fraxinus excelsior) charcoal, Croig Cave 114, 116, 119
aspar charcoal, Pitcarmick 180
assarting 278, 279
Austin, Phil, contributor (Mithen and Wicks), wood charcoal 114, 116–20
Avina sativa (oats), Eldbotle 252, 256, 260, 262, 269, 281

awards
  Murray Prize for History 371, 478
  RBK Stevenson Award 478
awl, Eldbotle 262, 294
Aydent & Elwell 424

AYRSHIRE
  medieval holy bells 241

Baird, Hugh 424, 426
Baird, Robert 424, 426
Balinclog (Ayrshire), holy bell 241
ballads and the supernatural 384, 391
Ballin Smith, Beverley, brief biography 487
Balnahannait (Perthshire), holy bell 237
Banchory Ternan (Kincardineshire), holy bell 240
Banffshire (Moray/Aberdeenshire)
  castle at Cullykhan, Castle Point, Troup 301–28
  duff House, timbers 332, 345, 347–8, 361–2
bangles
cannel coal, Pitcarmick 171, 175, 176–9, 184
D-sectioned 177, 178, 179
see also bracelets
bark, Croig Cave midden 116–18, 119
barley (Hordeum sp), Eldbotle 252, 256, 260, 262, 266, 269, 281
Barnachills (Perthshire), holy bell 238
Barrett, John, joint author see Carver, Martin
basalts, major element values 44, 89–90
Bateman, John Frederick, engineer 430
Bayesian modelling, radiocarbon dates, Croig Cave 75–9, 123–4
Bell, Henry, architect 415–16
bell-shrines
  form and construction of Irish and Scottish bell-shrines 220–7
  Irish 207, 208, 220–1, 222
  Scandinavian 222
Scottish: form and construction 220–4; Kilmichael Glassary Bell-shrine 201–44
bells
  enshrinement 229–30
  Kilmichael Glassary Bell-shrine 207–8, 207;
  use 233–5
  listing of medieval holy bells in Scotland 231, 235–41
  St Moluag’s 230–1
  use in monastic and church life 227–9, 231
Beltane and the supernatural 381–2, 384
Ben Lawers Estate (Perthshire), prehistoric rock carvings at Allt Coire Phadairlidh
  artefacts at 37–8, 40–1, 45–52, 57–8, 59
  designs 30, 34, 35, 40, 41, 45, 58–9
  excavations 27–61
  pollen analysis 52–6
  siting 28, 29–31, 30, 32, 38–40, 38, 45, 55–6, 56, 57–8, 58, 59
  Benbecula (Inverness-shire), holy bell 236
BERWICKSHIRE (Scottish Borders)
  medieval holy bells 241
Betula sp (birch) 11
  charcoal: Croig Cave 116, 117, 118, 119, 120;
  Eldbotle 252; Pitcarmick 180, 182, 183, 184
  birch (Trisopterus luscus) bones, Croig Cave 103, 105
  birch (Betula sp) 11
  charcoal: Croig Cave 116, 117, 118, 119, 120;
  Eldbotle 252; Pitcarmick 180, 182, 183, 184
  bird bones, Croig Cave 108–9, 110–12
  Birnie (Moray), holy bell 236
  Birsay (Orkney), holy bell 236
Black, Stuart, contributor (Mithen and Wicks), lead isotope composition of bracelet and slag, Croig Cave 84–6
Blanc, Hyppolyte J 439
boat grave, Viking, Kiloran Bay 443–5, 446, 461–2
Boltinggård Skov (Denmark), gold fragment 135–6, 139, 140, 141
bones
  burnt, Pitcarmick 171, 181, 183, 185
  see also animal bones; fish bones
Booth & Co, Sheffield 422, 423, 424, 425
Boulton, Matthew 415
Boulton, Watt & Co. 415, 418, 421, 422, 425, 426, 427, 428
bracelets
  gold, Watin 136–7, 136, 140
  pennanular copper alloy, late Bronze Age 81, 83;
  Croig Cave 73, 76, 77, 79, 80–2, 84–6, 121, 125–6
  see also bangles
Bradley, Richard, joint author see Tipping, Richard
Brechin (Angus), 68–74 High Street
dendro-dating 363
oak timbers 332, 336, 338, 340–1, 362
Bronze Age
  climate change 12–13, 15
Croig Cave, Mull 63–132
middens 121
Bronze Age (cont.)
Pitcarmick settlement 152, 157, 173–5, 181–2, 182, 184, 185
possible burial cairns, Pitcarmick 152, 181–2
pottery 175–6; Pitcarmick 173–5, 174
roundhouses 159, 191
structures, Pitcarmick 152, 157
bronze artefacts see copper alloy artefacts
Brown, Alex, contributor (Bradley et al), pollen analysis 52–6, 53–4
Buccinum undatum (whelk) shells, Eldbotle 257
Buchanan (Stirlingshire), holy bell 240
buckles, Eldbotle 259, 260, 271, 284, 286
bullrout (*Myoxocephalus scorpius*) bones, Croig Cave 96, 99, 100, 107
burial cairns: possible burial cairns, Pitcarmick 152, 157, 160, 161, 181–2
burials: crouched burial, Uragaig, Colonsay 442–3, 443–5
Burrian (Orkney), holy bell 236
Busby, Daniel 423
Busby, John, surveyor/engineer 423–4
Bute, 3rd Marquess 448, 449–51, 456, 458
BUTE (Argyll and Bute)
St Blane’s Chapel 449, 451
butterfish (*Pholis gunnellus*) bones, Croig Cave 96, 97, 98, 99, 100, 106, 126
byre-houses
Eldbotle 275–6, 280
Pictish, Pitcarmick 145–99, 187; context for 189–90; origins 190–1; possible continental links 191–3, 195; significance 195; structure 188–9
uses 193–474
Cadzow, Hamilton (Lanarkshire), oak timbers 332, 353
Caerlaverock Castle (Dumfrieshire), oak timbers 332, 335
cairns, Pitcarmick 152, 160, 161, 181–2
calcite, shell-midden, Croig Cave 85, 86
calcium oxide (CaO), sediment matrix, Croig Cave 87, 89
Caldwell, David H, Kirk, Susy, Mártus, Gilbert, Tate, Jim and Webb, Sharon. The Kilmichael Glassary Bell-shrine 201–44
*Callionymus lyra* (dragonet) bones, Croig Cave 99, 103, 106
*Calluna vulgaris* (heather) charcoal, Croig Cave 117, 119, 120
Candlemas, witches’ meetings 381
cannel coal bangle, Pitcarmick 171, 175, 176–9, 184
*Capaea* spp, Croig Cave midden 113
Carpow (Perthshire), cross-slab 454
Carroll Company 424
carved stones/rocks
Cladh Bhile 451, 453, 455
Meigle 453–4, 455, 455
prehistoric, Ben Lawers Estate 27–61; artefacts at 37–8, 40–1, 45–52, 57–8, 59; designs 30, 34, 35, 40, 41, 45, 58–9; excavation 33, 34–45, 35, 36, 39, 42, 43, 44, 46; pollen analysis 52–6; siting 28, 29–31, 30, 32, 38–40, 38, 45, 55–6, 56, 57–8, 59
Carver, Professor Martin, brief biography 388
Castle Grant (Moray), pine timbers 357
Castle of Park, Glenluce (Wigtownshire), timbers 332, 343, 353
cattle, in byre-houses 193–4
cattle bones
Croig Cave 109, 112, 122
Eldbotle 252, 255, 266, 271, 272
caves: Croig Cave, Mull, late Bronze Age ornament deposit and three millennia of fishing and foraging 63–132
ceramics see pottery
*Cerasoderma edule* (cockle) shells, Eldbotle 257
cereal grains, Eldbotle 252, 256, 260, 262, 266, 269, 281
Ceron-Carrasco, Ruby, contributor (Hindmarch and Oram), Eldbotle marine resources 256–7
chain, Kilmichael Glassary Bell-shrine 201, 203, 215, 218–19, 219
carbon charcoal
Croig Cave midden 101, 102, 114, 116–20, 121, 122
analysis 126–7
Eldbotle 252, 259
Pitcarmick 180, 182, 184
Cheape, Hugh, obituary of Alexander Fenton 1–8
*Chenopodium album* (fat hen), Eldbotle 256
cherry (*Prunus* sp) charcoal, Croig Cave 114, 116, 117, 119, 120
*Ciliata* sp bones, Croig Cave 106
Cists, Colonsay
Lower Kilchattan 442, 454
Uragaig 442–3, 457
Cladh Bhile (Argyll), carved stones 451, 453, 453
Clarke, Ann, contributor (Greig), stone artefacts at Cullykhan 318
clay pipe stem, Cullykhan 317, 326
Clickhimin (Shetland), broch 438
climate change
cultural and environmental effects 276–7, 279, 283
Eldbottle 283, 287
prehistory: data on 10–13; impact in Scotland of abrupt change 9–25
Clupea harengus (herring) bones
Croig Cave 105
Eldbottle 283, 287, 289, 293, 299, 302, 305, 306
Clyde ironworks 424
cobbling, courtyard, Cullykhan 305, 309, 310, 311, 313, 314, 326
cockles (Cerasoderma edule) shells, Eldbottle 257
cod family (Gadidae) bones
Croig Cave 97, 100, 105, 126
Eldbottle 256, 260, 266, 269, 272, 282
coins, Cullykhan 315, 317
Colonsay (Argyll)
cists at Uragaig and Lower Kilchattan 442–3, 457
Kiloran Bay Viking boat grave 443–5, 446, 461–2
William Galloway’s work on 442–7
Columba, and parish of Glassary 231–3
Conger onger (conger eel) bones, Croig Cave 100, 105
copper alloy artefacts
coins 317
Cullykhan 317, 319
dress accessories, Eldbottle 254, 260, 274, 286
household objects 317–18
Kilmichael Glassary Bell-shrine 201–44
late Bronze Age bracelets 81, 83, Croig Cave 73, 76, 77, 79, 80–2, 84–6, 121, 125–6
Coregonidae spp bones, Croig Cave 105
corkwing (Crenilabrus melops) bones, Croig Cave 98, 99, 100, 103, 106, 126
Corsehope Rings (Midhill-Head) hillfort, Midlothian 441
Corylus avellana (hazel) charcoal
Croig Cave 116, 117, 118, 119, 120
Pitcarmick 180, 182
cots, Pitcarmick 184, 185
Cottidae spp bones, Croig Cave 107
Cove (Dumfriesshire), late Roman gold object 133–44
Cowie, Trevor, contributor (Mithen and Wicks), Croig Cave artefacts 80–6
cows see cattle
Cranstonhill Water Company 422, 429, 430
Crathes Castle (Aberdeenshire), oak timbers 332, 335, 353, 360
Crenilabrus melops (corkwing) bones, Croig Cave 98, 99, 100, 103, 106, 126
Croig Cave, Mull (Argyll) 63, 65
artefacts 80–6
excavation 64–72, 66
laboratory investigation methods 72, 75
late Bronze Age ornament deposit and three millennia of fishing and foraging 63–132
midden 63–4; analysis 95–120
radiocarbon dating 71, 74, 75–9, 123–4
sedimentary analysis 85, 86–95, 124–6
stratigraphic sequence 66–70, 67, 69, 71, 72, 73
Crone, Anne and Mills, Coralie M Timber in Scottish buildings, 1450–1800; a dendrological perspective 329–69
cross-slabs
Carpow 454
Cladh Bhile 451
Tullibole 454
crucifixion depiction, Middle Ages 223–5
Kilmichael Glassery Bell-shrine 210–12, 222, 223–5
cruck-frame constructions, medieval rural buildings 276
Eldbottle 260, 265, 266, 270, 276, 280
Cruggleton Church (Wigtownshire) 449, 456
crustacea, Croig Cave midden 113
Cullykhan, Castle Point, Troup (Banffshire), castle 301–28
artefacts 317–19, 325
cobbling 305, 309, 310, 311, 313, 314, 326
construction (phases) 312–15, 322–6
courtyard 307, 309–11, 311, 312, 314, 324, 324, 325, 326
ditches 311–12
documentary evidence 319–22
excavation 305–11, 305, 306, 308, 310, 313, 315, 316
location 301–2, 302
mason’s mark 315
occupation 322, 325, 326
plan 307
pottery 315–17, 325
site 303–5, 303, 304
Cuningar/Cuningar Loop (Lanarkshire) 413–15, 414, 415, 420, 426–8, 427, 429, 430, 431
cup and ring markings, prehistoric rock carvings, Ben Lawers 30, 34, 35, 38–40, 39, 40, 41–2, 41, 43, 44, 44, 58, 59
dab (Limanda limanda) bones, Croig Cave 100, 107 Dalrymple, Martin 424 Darnaway Castle (Moray), oak timbers 332, 335
de Trop family, Cullykhan 319–21 Hamelin de Trop 320 deer: red deer bones, Croig Cave 108, 110–12
dendroprovenancing 330–1, 330 Denmark, gold fragment from Boltinggård Skov 135–6, 139, 140, 141 Denny, David 413, 415, 417, 419–20, 421, 423, 424, 425, 426, 427–8, 429 Discerantrachus labrax bones, Croig Cave 106 Discus rotudatus, Croig Cave midden 109, 113
dog whelk (Nucella lapillus) shells, eldbotle 257 Downes, Jane, joint author see Carver, Martin dragonet (Callionymus lyra) bones, Croig Cave 99, 103, 106
drains, Eldbotle 260, 275–6
dream experiences, witches 373, 408–10, 411 dress accessories copper alloy, Eldbotle 254, 260, 274, 286 Cullykhan 317
drum mansion house/castle (Aberdeenshire) oak timbers 332, 335, 353–4, 354, 360 pine timbers 355, 356
Dryas Stadal, Younger 11 Dryden, Sir Henry 435, 439 relationship with William Galloway 437–40
Duff House (Banff) dendrochronology 347–8 pine timbers 332, 345, 347–8, 361–2
Dumbarton (Dunbartonshire), holy bell 240
DUMFRIESSHIRe (Dumfries and Galloway) Caerlaverock Castle, timbers 332, 335 late Roman gold object from Cove 133–44
Dunbar (East Lothian), Old Townhouse, oak timbers 332, 337
DUNBARTONSHIRE (West Dunbartonshire), medieval holy bells 240
Duncan, Geillis, witch trial 375, 376, 377, 378, 379, 399, 400
DUNDEE Gardyne’s Land: oak timbers 332, 338, 341, 362; pine timbers 345
dune erosion, Eldbotle 289, 291 Dunkeld (Perthshire), Little Dunkeld holy bell 238 Dunlarvie Castle (West Lothian), oak timbers 332, 337, 339
Eadarloch, LochTreig (Inverness-shire), crannog, pine timbers 357 early historic (late Pictish) period, Pitcarmick 150, 160–3, 168, 171, 182
earthenwares
Eldbotle 254, 273 French, Cullykhan 316
Eastland boards 333, 341
EDINBURGH dendrochronological data 375 High Street 332, 337 Abbey Strand, 332, 337, 345, 359, 360 Holyrood Palace, Queen Mary’s Bathhouse 332, 337 John Knox House 332, 337 Old Craiglockart House 332, 337 Queensberry House 345 St Mary’s Episcopal cathedral, design for 440–1
Edinburgh Castle dendro-dating of Great Hall 363 oak timbers 332, 337, 339, 358, 359–60 Edlington: Thomas Edlington & Sons 424 Edmonds, Mark, contributor (Carver et al), coarse stone tools at Pitcarmick 176
Ednam (Berwickshire), holy bell 241 eel bones
Croig Cave: common eel (Anguilla anguilla) 96, 97, 99, 100, 105; conger eel (Conger conger) 100, 105 sand eel (Ammodytes spp) 96, 106
Egilsay (Orkney), St Magnus Church 438, 438
Eldbotle (East Lothian), medieval rural settlement 245–99
abandonment 271, 273, 277
agriculture 253, 255–6, 281–2, 283, 287–8, 289
assemblages: artefacts 253–4; ecofactual material 255–7
chronological sequence 251–3, 277–8
contraction 283–95; 15th to 17th centuries 293, 295; agriculture and 283, 287–8; climate and 283, 287, 288, 291, 293; disease and 283, 295; dune erosion and 289, 291; war and plunder and 291, 293, 295
environmental history 276–95
excavations/investigations 247–51, 257–75; locations 248, 249, 250, 251
historical background 245–7
marine resources 282–3
middens 259–60, 266, 269, 272
Queensberry House, pine timbers 345
soils 251, 260, 269, 278
structural analogies 275–6
elder (Sambucus nigra)
charcoal, Croig Cave 116, 119, 120
Eldbotle 256
Elgin (Moray), well linings, oak timbers 332, 335
Elie Granary (Fife), oak timbers 332, 343
Ellary (Argyll), Cladh Bhile cross-slabs 451, 453
Elliott, Sarah, contributor (Mithen and Wicks), molluscs, Croig Cave midden 109, 113–14 enclosures, Eldbotle 250, 273–5, 274
Ensis spp (razor clam) shells
Croig Cave 109, 113
Eldbotle 257
environment, impacts of abrupt climate change in prehistory 9–25
environmental history
Eldbotle 276–95
settlement expansion 277–9
epidiorite rock carvings, Ben Lawers 30, 32–3, 34, 41, 43, 60
lithic artefacts 46, 49, 51, 52, 60
Estland boards 333, 341
European Ethnological Research Centre 7, 8
fairy lore, association with witchcraft 383, 384, 385, 386, 387, 390, 391, 393, 398, 399, 401, 402–3, 406, 411
Falkland Palace, timber 333
farming see agriculture
fat hen (Chenopodium album), Eldbotle 256
Fenton, Alexander, obituary 1–8
Fenton Tower (East Lothian)
dendro-dating 363
oak timbers 332, 336, 337, 339, 342, 343, 359, 360
Fiddes Fort 304, 326
FIFE
Elie Granary timbers 332, 343
medieval holy bells 240
St Andrews, dendrochronological data
Old Students Union 332, 338
Queen Mary’s House, 332, 335
St John’s House, South Street 332, 362
fir timber 333, 334
fish bones
Croig Cave 95–108, 101, 102, 121
analysis 126
Eldbotle 256–7, 260, 266, 269, 272, 282
fishing
Bronze Age 103–4, 108, 121
medieval period, Firth of Forth 282–3
flatfish bones, Croig Cave 107
flint chips, by rock carvings, Ben Lawers Estate 37, 48, 49, 50, 51
flint flakes, Pitcarmick 173
Flotta (Shetland), carved stone 447–8
flying 384–5
Forfar witches 382, 385, 388, 389, 390, 391–3, 394,
395, 396, 397, 398, 399, 405, 506
forkbeard, greater (Phycis blennoides) bones, Croig Cave 100, 105
Fort George (Inverness-shire)
dendrochronology 348–51
pine timbers 332, 348–51, 355, 361
Forteviot (Perthshire), holy bell 237
Fortingall (Perthshire), holy bell 237
forts, see also hillforts
Foulis, Lady, witchcraft trial 374
Fraxinus excelsior (ash) charcoal, Croig Cave 114, 116, 119
Gadidae spp (cod family) bones
Croig Cave 97, 100, 105, 126
Eldbotle 256, 260, 266, 269, 272, 282
Gaidropsarus sp (rockling) bones, Croig Cave 97, 98, 99, 100, 103, 106
Galloway, William B M 435–65
Colonsay and Oronsay 442–7
ecclesiastical monuments 447–54
interests beyond Scottish archaeology 457–8
International Fisheries Exhibition, London (1883) 445–6, 460–2
obituary 460
relationship with Sir Henry Dryden 437–40
Whithorn years 449, 454–7
working life 440–7

Garden, Major Alexander, 1st laird of Troup 322

Gasterosteidae spp, Croig Cave midden 107
Gibbula spp, Croig Cave midden 113
Gibbula cineraria (top shell), Eldbotle 257

GLASGOW
Elderslie House, pine timbers 332, 348, 349, 350
holy bell 240
Glasgow Cathedral, oak timbers 332, 335
glass artefacts, Cullykhan 318
Glassary parish
Columba and 231–3
see also Kilmichael Glassary
Glasserton (Wigtownshire), carved stones at St Ninian’s Cave 448, 456
Glenbuck Ironworks 424
Glenluce (Wigtownshire), Castle of Park, oak timbers 332, 343, 353

Guthrie, Helen, witchcraft trial 385, 389, 390, 391–2, 396, 397, 398–9, 401, 402, 405, 406
Guthrie (Angus)
Guthrie Aisle oak timbers 332, 336, 338, 339, 340, 341, 343
holy bell 220, 221, 222, 224–5, 239
Guttiérrez, Alejandra, contributor (Hindmarch and Oram), Eldbotle metalwork 254–5
gypsum, shell-midden, Croig Cave 85, 86, 89

Habib, Vanessa, brief biography 487
Haddington (East Lothian), 42–4 Market Street, pine timbers 332, 345, 347, 348, 350
haddock (Melanogrammus aeglefinus) bones, Eldbotle 256, 260, 266, 269, 272, 282
Haggarty, George, contributor (Hindmarch and Oram), Eldbotle ceramics 254
hake (Merluccius sp) bones, Croig Cave 97, 99, 106, 126
Hall, Allan, contributor (Carver et al), charcoal, Pitcarmick 180
Hall, Derek
contributor (Carver et al), medieval pottery at Pitcarmick 179–80
contributor (Greig), pottery at Kilmichael Glassary Bell-shrine 315–17
contributor (Hindmarch and Oram), Eldbotle ceramics 254
Hallowe’en and the supernatural 382, 384, 385
Hamilton (Lanarkshire), Cadzow, oak timbers 332, 353
hammerstones, by rock carvings, Ben Lawers Estate 37, 38, 40, 46, 47, 47, 48, 49–50, 50, 51, 60
handbells
Kilmichael Glassary Bell-shrine 207–8, 207
quadrangular 208
hazel (Corylus avellana) charcoal
Croig Cave 116, 117, 118, 119, 120
Pitcarmick 180, 182
hearths, Pitcarmick 159, 160, 171
heather (Calluna vulgaris) charcoal, Croig Cave 117, 119, 120
Hedera helix (ivy) charcoal, Croig Cave 117, 119, 120
hematite, shell-midden, Croig Cave 85, 119, 120
herring (Clupea harengus) bones
Croig Cave 105
Eldbottle 256, 260, 269, 282
hillforts, Midhill-Head (Corsehope Rings), Midlothian 441
Hindmarch, Erlend and Oram, Richard. Eldbottle; the archaeology and environmental history of a medieval rural settlement in East Lothian 245–99
Holmes, Matilda, contributor (Carver et al), Pitcarmick 181
Holmes, Nick, contributor (Greig), coins at Cullykhan 317
Holocene period, abrupt climate change 9–25
Holyrood Palace (Edinburgh), timber 331, 333
queen Mary's Bathhouse 332, 337
hook-nose (Agonus cataphractus) bones, Croig Cave 100, 107
Hooper, Janet, joint author see Carver, Martin
Hordeum sp (barley), Eldbottle 252, 256, 260, 262, 266, 269, 281
horse bones, Eldbottle 255–6, 266, 272, 274
horse shoe, Eldbottle 267, 294
Howell, James, engineer 421, 422, 425
Hunter, Fraser, contributor (Carver et al), cannal coal bangle at Pitcarmick 176–9
hunter-gatherers, impact of climate change 15, 18
Hypericum perforatum (St John's wort), Eldbottle 256
Icelandic cyprine (Artica islandica) shells, Eldbottle 257
Inchaffray (Perthshire), holy bell 220, 226, 237
Ingrem, Claire, contributor (Mithen and Wicks)
fish bones, Croig Cave 95–108
mammal, bird and amphibian bones, Croig Cave 108–12
Insh (Inverness-shire), holy bell 236
International Fisheries Exhibition, London (1883) 445–6, 460–2
Inverey (Aberdeenshire), pine timbers 332, 355
INVERNESS-SHIRE (Highland)
Eadarloch crannog, timbers 357
Fort St George, timbers 332, 348–51, 355, 361
Kingussie, use of pine timbers 356, 357
Leys stone circle 438
medieval holy bells 236
Iona (Argyll), Abbey and Nunnery 438
Ireland, Newgrange, Roman gold finds 137–8, 139, 140–1
Iron Age
climate change 13
middens 122
iron slag, Croig Cave 69, 78, 80, 122
lead isotope composition 80–1, 86, 125–6
ironwork, Eldbottle 273, 292
buildings 272, 292
domestic objects 254, 272, 273, 290
Irvine, James Thomas, architect 435, 437
ivy (Hedera helix) charcoal, Croig Cave 117, 119, 120
Janiszewski, Robert. A late Roman object from Cove, Dumfries and Galloway, rediscovered 33–44
jet necklace, Lunanhead 436, 436, 437
Johnson, Alfred Wintle 439
kaolinite, shell-midden, Croig Cave 85, 89
Keith family of Troup 321–2, 324, 326
Kerrowmore (Perthshire), holy bell 237–8
Kersey, A H, architect 440
Kilchattan, Lower, (Colonsay) cist 442, 454
Kilgallioch (Wigtownshire), Wells of the Rees 456
Kilmahog (Perthshire), holy bell 238
Kilmichael Glassary (Argyll), parish church 204, 205
Kilmichael Glassary Bell-shrine (Argyll) 201–44
Kilmichael Glassary Bell-shrine (Argyll) 202, 209, 210, 211, 212, 213, 214, 216, 217, 218
Arabic inscription theory 224
associated cross and chain 201, 203, 218–19, 219, 220, 221, 225, 226, 232–3
composition 215, 216–17, 222; cross and chain 219
crucifixion portrayal 210–12, 222, 223–4, 225
date 224–5
discovery and provenance 201–7
findspot 203, 204, 206
form and construction 220–4
handbell 207–8, 207
possible keepers 234–5
possible places of manufacture 225–7
Kilmichael Glassary Bell-shrine (cont.)
Scandinavian comparisons 222, 226–7, 233
suggested links: Columba 231–3; Dunkeld 224, 225, 231–3
technological examination 215, 216–18
Kiloran Bay (Colonsay), Viking boat grave 443–5, 446, 461–2
Kincardine-in-Menteith (Perthshire), St Lolan’s bell 238–9
KINCARDINESHIRE (Aberdeenshire)
medieval holy bells 240
Kingarth (Bute), St Blane’s Chapel 449, 451
Kingoldrum (Angus), holy bell 221, 225, 239
Kingussie (Inverness-shire), use of pine timbers 356, 357
KINROSS-SHIRE (Perth and Kinross)
Tullibole cross-slabs 454
Kirk, Susy, joint author see Caldwell, David H
KIRKCUDBRIGHTSHIRE (Dumfries and Galloway)
Lincluden College, timbers 332, 335, 353
Kirkmadrine Church (Wigtownshire) 456
Kirkwall (Orkney), St Magnus Cathedral 438, 439–40
knives, Eldbotle 254, 259, 272, 273, 288
Labridae spp (wrasse) bones, Croig Cave 96, 97, 98, 99, 100, 103, 106, 126
Labrus bergylta bones, Croig Cave 106
Lammas, witches’ meetings 382, 386
LANARKSHIRE
Cadzow, Hamilton, timbers 332, 353
Cuningar/Cuningar Loop 413–15, 420, 426–8, 429, 430, 431
medieval holy bells 240–1
larch (Larix sp) charcoal, Croig Cave 117, 119, 120
Lauria cylindricea, Croig Cave midden 109, 113
Lawrencedieck (Kincardineshire), holy bell 240
lead isotope composition, bracelet and slag, Croig Cave 84–6, 125–6
lead objects, Cullykhan 318, 319
lentils (Lens esculenta), Eldbotle 256
Lesmahagow (Lanarkshire), holy bell 240–1
Leys (Inverness-shire), stone circle 438
Limanda limanda (dab) bones, Croig Cave 100, 107
limpets (Patella spp) shells
Croig Cave 64, 108, 109, 113, 114, 115, 126
Eldbotle 252, 257, 266, 269, 272, 283
Lincluden College (Kirkcudbrightshire), timbers 332, 335, 353
Lintrathen (Angus), holy bell 231, 239
Lismore (Argyll), holy bell 237
lithic artefacts see stone artefacts
Littorina sp (periwinkle) shells
Croig Cave 64, 109, 113, 114, 115
Eldbotle 257, 266, 269, 272
Loch Katrine, Glasgow water supply 420
Loch Sheil (Argyll), holy bell 237
Loch Treig (Inverness-shire), Eadarloch crannog, pine timbers 357
Logierait (Perthshire), holy bell 238
longhouses continental 189, 190, 191–4
uses 193–4
see also byre-houses
loss on ignition (LOI), sediment matrix, Croig Cave 87, 94, 124–5
Lunanhead (Angus), jet necklace 436, 436, 437
McCulloch, Robert, joint author see Tipping, Richard
McKay, Alex, contributor (Greig), Cullykhan
documentary evidence 319–22
mackerel (Scomber scombrus) bones, Eldbotle 256, 260
Maclagan, Christian 448, 449
McLaren, Dawn, contributor (Greig), vitrified material at Cullykhan 319
McNeill family, Colonsay, association with William Galloway 442–3, 444, 445, 447, 448
MacRobert House, Kingussie, pine timbers 356
magnetic susceptibility of matrix sediments, Croig Cave 94–5, 95, 125
Maloideae charcoal, Croig Cave 116, 117, 119, 120
Man, Andro, witchcraft trial 383, 384, 391, 402, 403, 3405
Mar Lodge Estate (Aberdeenshire), Red House, pine timbers 332, 355, 357, 361
marbled polychrome ware, North Italian, Eldbotle 254, 285
Mares Craig Quarry (Fife), holy bell 240
Márkus, Gilbert, joint author see Caldwell, David H
Mearnis, James, brief biography 487
medieval period
Pitcarmick 150, 185–6
early medieval buildings 160, 164, 164, 188–95; pottery 155, 171, 179–80, 185;
structures 163, 163, 169, 171–2
rural settlements 275–6; Eldbotle 245–99
Megaw, Emeritus Professor JVS, brief biography 488
Meigle (Perthshire), carved stones 453–4, 455, 455
Melanogrammus aeglefinus (haddock) bones,
Eldbotle 256, 260, 266, 269, 272, 282
Merlangius merlangus (whiting) bones
  Croig Cave 96, 98, 99, 100, 103, 105
  Eldbotle 256, 260, 282

Merluccius sp (hake) bones, Croig Cave 97, 99, 106, 126

metal objects
  Cullykhan 317, 318–19
  see also specific metals

metalwork
  Bronze Age 83–4, 121
  Croig Cave 76, 77, 80–2
  Eldbotle 254–5

mica schist rock carvings, Ben Lawers 30, 32, 34, 35, 38, 42, 57–8, 60

Mithen, Steven and Wicks, Karen. Croig Cave: a late Bronze Age ornament deposit and three millennia of fishing and foraging on the north-west coast of Mull, Scotland 63–132

mollusc shells
  Croig Cave midden 101, 102, 109, 113–14, 115, 121
  analysis 126
  Eldbotle 257

mussel (Mytilus edulis) shells
  Croig Cave 109, 113
  Eldbotle 257, 269

Myxocephalus scorpius (bullrout) bones, Croig Cave 96, 99, 100, 107

Mytilus edulis (mussel) shells
  Croig Cave 109, 113
  Eldbotle 257, 269

nails
  clinch 254, 271, 272
  iron: Cullykhan 318; Eldbotle 254, 260, 271, 272, 292

NAIRNSHIRE (Highland)
  medieval holy bells 236

Native Oak and Pine Project (NOAP) 329, 345, 347, 348, 354–7, 364

necklace, jet, Lunanhead 436, 436, 437

Neolithic period, climate change 10–12, 15

Newark College, Port Glasgow (Renfrewshire)
  dendro-dating 363

oak timbers 332, 335, 353, 362

Newgrange (Ireland), Roman gold finds 137–8, 139, 140–1

NOAP (Native Oak and Pine Project) 329, 345, 347, 348, 354–7, 364, 365

North Berwick (East Lothian)
  witch trials 373–8, 379, 382, 386, 407–8
  witches’ sabbath 375, 376–8, 385, 388, 394, 395, 396, 397–8, 401, 403

Nucella lapillus (dog whelk) shells, Eldbotle 257

Nuntown (Benbecula), holy bell 236

oak (Quercus sp) charcoal, Croig Cave 114, 116, 117, 119, 120

oak timber
  dendrochronology 335–44, 358–60, 364
  imported 333, 364; East Baltic 332, 340, 341, 343, 346, 364; Scandinavia 332, 333, 335–41, 342
  native-grown 332, 335, 352–4, 364

oakwoods 352–4

oats (Avina sativa), Eldbotle 252, 256, 260, 262, 269, 281

Obituaries, Alexander Fenton 1–8

O’Connor, Brendan
  brief biography 486
  contributor (Mithen and Wicks), Croig Cave 80–6

Omoa Foundry 424

Oram, Richard, joint author see Hindmarch, Erland
ORKNEY
medieval holy bells 236
St Magnus Cathedral 438, 439–40
St Magnus Church, Egilsay 438, 438
William Galloway drawings 438–9
Oronsay (Argyll)
priory 448
shell mounds 445, 446
William Galloway’s work on 445–7
oysters (Ostrea edulis) shells, Eldbottle 257, 272

palynology 17
particle size distribution (PSD), sediment matrix, Croig Cave 92, 93–4, 124
Patella spp (limpets) shells
Croig Cave 64, 108, 109, 113, 114, 115, 126
Eldbottle 252, 257, 266, 269, 272, 283
Paterson, Laura. The Witches’ Sabbath in Scotland 371–412
peas (Pisum sativum), Eldbottle 256, 266, 269, 281
pebbles, by rock carvings, Ben Lawers Estate 37, 47, 48, 49–50, 50, 51
PEEBLESSHIRE (Scottish Borders)
medieval holy bells 241
Penningham (Wigtownshire), holy bell 241
periwinkle (Littorina sp) shells
Croig Cave 64, 109, 113, 114, 115
Eldbottle 257, 266, 269, 272
Perth Museum, carved oak panels 332, 341, 343, 344
PERTHSHIRE
Carpow cross-slab 454
medieval holy bells 237–9
Meigle carved stones 453–4, 455, 455
Pictish byre-houses at Pitcarmick and their landscape 145–99
prehistoric rock carvings, Ben Lawers Estate 27–61
Petrie, George 447, 448
Pholis gunnellus (butterfish) bones, Croig Cave 96, 97, 98, 99, 100, 106, 126
photography, early use by antiquarians 457
Phycis blennoides (greater forkbeard) bones, Croig Cave 100, 105
Picea sp (spruce) charcoal, Croig Cave 114, 117, 119, 120
Pictish byre houses, Pitcarmick 145–99
for detailed entry see byre-houses
pig bones
Croig Cave 109, 112, 122
Eldbottle 252, 256, 272
pine timber
dendrochronology 345–51, 361, 364–5
imported 332, 333, 364; East Baltic 348–51, 361–2; Scandinavia 345, 347–8, 361
native-grown 332, 334–5, 345, 354–8, 361
pinewoods 354–8, 361
Pinguinus impennis (great auk) bones, Croig Cave 109, 112
Pinus sp 12
charcoal, Croig Cave 114, 116, 120
pipefish (Syngathus sp) bones, Croig Cave 98, 100, 103, 105
Pitcarmick (Perthshire)
agriculture 168, 172–3, 185
early medieval buildings 160, 164, 164, 188–95
earthworks 150, 164
excavation 152, 154, 155, 156, 162, 165, 166, 167;
results 152–72
investigations/survey of area investigated 149, 150, 151
landscape 146, 184–5; Bronze Age 182, 184
location 146, 147
longevity of occupation 186, 188
Pictish byre-houses 145–99
plan of structures 148
prehistoric period 181–4
sequence of occupation 181–8
worked stone assemblages 173
pitchstone blade, by rock carvings, Ben Lawers Estate 37, 40, 49, 50, 51
Pitlug (Fife), holy bell 240
pits, Eldbottle 260, 262, 267, 272, 274
plaggen soil (anthrosol) 253, 281–2
Eldbottle 252, 256, 260, 269, 272, 274
plaice (Pleuronectes platessa) bones, Eldbottle 256, 266, 272
plant remains, Eldbottle 252, 256, 260, 269
Platichthys flesus bones, Croig Cave 107
Pleuronectes platessa (plaice) bones, Eldbottle 256, 266, 272
Pleuronectidae spp bones, Croig Cave 107
Pollachius pollachii (pollack) bones
Croig Cave 105
Eldbottle 256, 282
Pollachius virens bones, Croig Cave 105
pollen analysis (palynology) 17
carved outcrops on Ben Lawers Estate 52–6, 53–4
Populus (poplar) charcoal, Croig Cave 114, 116, 117, 118, 119, 120
post-holes and pits, Pitcarmick 155, 157, 159, 160, 161, 168, 171
post-medieval period, Pitcarmick 150, 163–4, 170, 172–3, 186
pot-lids, stone, Pitcarmick 155, 171, 176, 184
pottery
Bronze Age, Pitcarmick 173–5, 174
Cullykhan, Troup 315–17, 325
Eldbotle 254, 257, 259, 271, 272, 273
imported 254, 273, 285, 316–17
medieval, Pitcarmick 155, 171, 179–80, 185
Scottish redware 315–16, 317, 325
Scottish white gritty ware 171, 179, 185; Cullykhan 316, 325; Eldbotle 249, 254, 259–60, 262, 266, 267, 271, 272, 274, 275, 284, 285
prehistoric period, Pitcarmick 181–4
prickly cockles (*Acanthocardia echinata*) shells, Eldbotle 257, 269
Prunus sp (cherry) charcoal, Croig Cave 114, 116, 117, 119, 120
Quarter Days and the supernatural 381–3
quartz
Ben Lawers Estate 47, 49
shell-midden, Croig Cave 85, 86
trilobulinessence 60
quartz assemblage
by rock carvings, Ben Lawers Estate 37, 40, 41, 45, 48, 49, 51–2, 59–60
Pitcarmick 173, 182
Quercus sp (oak) charcoal, Croig Cave 114, 116, 117, 119, 120
radiocarbon dating
Croig Cave 71, 74, 75–9, 123–4
Eldbotle 251, 252
Pitcarmick 183
radish, wild (*Raphanus raphanistrum*), Eldbotle 256
*Raja clavata* (thornback ray) bones, Eldbotle 256, 269
*Raphanus raphanistrum* (wild radish), Eldbotle 256
razor clam (*Ensis* spp) shells
Croig Cave 109, 113
Eldbotle 257
redwares, Scottish 179
Cullykhan 315–16, 317, 325
Pitcarmick 179–80, 185
RENFREWSHIRE
Newark College, timbers 332, 335, 353, 362, 363
Rennie, John, engineer 418–19
Restenneth Priory (Angus) 449, 450, 450, 451
*Rhinonemus* sp bones, Croig Cave 106
Ritchie, Anna. From Colonsay to Whithorn: the work of a 19th-century antiquary, William Galloway 435–65
River Clyde
Cuningar Loop 413–15, 420, 426–8, 429, 431
Glasgow’s water supply 417, 419–20, 420, 426–8, 431
Robertson, Jackaline, contributor (Hindmarch and Oram)
Eldbotle animal bone 255–6
Eldbotle microplant remains 256
rockling (*Gaidropsarus* sp) bones, Croig Cave 97, 98, 99, 100, 103, 106
rocks, carved see carved stones/rocks
rodent bones, Croig Cave 109, 110–12
Romans, gold object from Cove, Dumfries 133–44
comparative study 135–9
function and character of deposit 139–42
ROSS AND CROMARTY (Highland)
medieval holy bells 236
roundhouses
Bronze Age 159, 191
Iron Age 190–1
Perthshire 190–1
Pitcarmick 152, 153, 157, 159, 182; double roundhouse 150
rowan (*Sorbus* sp) charcoal, Croig Cave 114, 117
Rowe, Peter, contributor (Carver et al), worked stone, Pitcarmick 173
Saevar Howe (Orkney), holy bell 236
St Alban’s (Hertfordshire), brass lectern in St Stephen’s Church 451, 452, 452
St Andrews (Fife)
Old Students Union, oak timbers 332, 338
Queen Mary’s House, oak timbers 332, 335
St John’s House, South Street, pine timbers 332, 362
St Blane’s Chapel (Bute) 449, 451
St John’s wort (*Hypericum perforatum*), Eldbotle 256
St Magnus Cathedral, Kirkwall, Orkney 438, 439–40
St Magnus Church, Egilsay, Orkney 438, 438
St Mary’s Episcopal cathedral, Edinburgh, design for 440–1
St Ninian’s Cave, Glasserton (Wigtownshire), carved stones 448, 456
Sali* sp* (willow) charcoal
Croig Cave 114, 116, 117, 118, 119, 120
Pitcarmick 180, 184
*Salmonidae* spp bones, Croig Cave 99, 105
Sambucus nigra (elder) charcoal, Croig Cave 116, 119, 120
Sampson, Agnes, witchcraft trial 376, 377, 378, 379, 384, 385, 396, 397, 398, 403, 405
sand eel (Ammodytes spp) bones, Croig Cave 96, 106
Sanders, Jeff, joint author see Tipping, Richard
Saville, Alan, brief biography 486
Scomber scombrus (mackerel) bones, Eldbotle 256, 260
Scophthalmus maximus bones, Croig Cave 107
Scophthalmus rhombus bones, Croig Cave 107
Scottish Agricultural Museum 3–4
Scottish Inheritance Fund 8
sea scorpion (Taurulus bubalis) bones, Croig Cave 97, 98, 99, 100, 103, 107
seaweed, Eldbotle 256
Sebastes viviparus bones, Croig Cave 106
Serbia, gold Roman bracelet from Watin 136–7, 136, 140
shamanism and visionary experiences 372–3, 408–9
sheep bones Croig Cave 109, 110–12
Eldbotle 255, 266, 271, 272
Pitcarmick 180, 181, 184
shell-midden, Croig Cave, Mull 63
midden analysis 95–100
radiocarbon dating 75–9
sediment analysis 86–95
shell mounds, Oronsay 445, 446
shellfish gathering, Bronze Age 121, 122
shells
Croig Cave midden 101, 102, 109, 113–14, 115, 121, 126
Eldbotle 257, 260, 267, 269, 283
Sheridan, Alison, contributor (Carver et al), Bronze Age pottery at Pitcarmick 173–6
SHELTAND
broch of Clickhimin 438
Flotta carved stone 447–8
Shotts Ironworks 424, 426
sickles, Eldbotle 270, 275, 281, 294
silica (SiO2), sediment matrix, Croig Cave 87, 89
Sinclair and Fairbairn, masons 421, 425
Skye (Inverness-shire), holy bell 236
slag, iron, Croig Cave 69, 78, 78, 80, 122
lead isotope composition 80–1, 86, 125–6
smectite, shell-midden, Croig Cave 85, 86–7
Smith, Sam, contributor (Mithen and Wicks), excavation report, Croig Cave 64–75
snails, Croig Cave midden 109, 113
soils
Eldbotle 251, 260, 269, 278
see also plaggen soil
sole (Soleidae spp), Croig Cave midden 107
Sorbus sp (rowan) charcoal, Croig Cave 114, 117
Southern, John, engineer 418, 419
spindle whorl
Eldbotle 267, 288
Pitcarmick 157, 174, 182
Spondyliosoma cantharus bones, Croig Cave 106
spruce (Picea sp) charcoal, Croig Cave 114, 117, 119, 120
spruce timber 333
Stevenson: RBK Stevenson Award 478
Stewart, Rosemary, contributor (Bradley et al), carved rocks on Ben Lawers Estate 31–3
stickleback bones, Croig Cave 99
Stirling Castle/Palace
dendro-dating 363
oak timbers 332, 335, 336, 339, 341, 343, 346, 348, 361, 362
pine timbers 332, 345, 350
STIRLINGSHIRE
medieval holy bells 240
stone, vitrified, Cullykhan 319
stone artefacts
at carved rocks, Ben Lawers Estate 37–8, 40–1, 45–52, 57, 59
Cullykhan 318
Pitcarmick 155, 157, 171, 173, 176, 184; coarse stone tools 176
stones, carved
Ben Lawers Estate 27–61
Cladh Bhole 451, 453, 453
Flotta stone 447–8
Meigle 453–4, 455
Oronsay Priory 448
recording by William Galloway 447–8, 451, 453–4
Whithorn area 448, 456
stoneware
German, Eldbotle 254, 273, 285
Rhenish, Cullykhan 316–17
Strath (Isle of Skye), holy bell 236
Strathfillan (Perthshire), holy bell 226, 238
Strathspey woodlands 356–7
stratigraphy, Croig Cave, Mull 66–70, 67, 69, 71, 72, 73
strontium (Sr), sediment matrix, Croig Cave 90, 91
Strowan (Perthshire), holy bell 239
Struan (Perthshire), holy bell 238
Sweden boards 331–2, 333
Sword: James Sword & Co. 424
Syngathus sp (pipefish) bones, Croig Cave 98, 100, 103, 105

Tain (Ross and Cromarty), holy bell 236
Tantallon Castle (East Lothian), oak timbers 332, 338
Tate, Jim, joint author see Caldwell, David H
Taurulus bubalis (sea scorpion) bones, Croig Cave 97, 98, 99, 100, 103, 107
Taxus baccata (yew) charcoal, Croig Cave 114, 116, 119
Telford, Thomas, engineer 417–19, 420, 420–2, 425–6, 431
tellin, thin (Tellina tenuis) shells, Eldbotle 257
thornback ray (Raja clavata) bones, Eldbotle 256, 269
thrush bones, Croig Cave 110–12
timber
felling dates and construction dates 358–63
imported 331–4, 338–44; Eastern Baltic 331, 332, 333, 334, 340, 341, 343, 346;
Scandinavia 331–3, 332, 334, 335–41, 342
native 332, 334–6, 345, 351–8
recycling 362
in Scottish buildings, 1450–1800:
dendrochronology 329–69; source 330–5
seasoning 358
stockpiling 358–9
transportation times 361–2
timber trade 331, 333–5, 364, 365
Tipping, Richard, Bradley, Richard, Sanders, Jeff, McCulloch, Robert and Wilson, Robert.
Moments of crisis: climate change in Scottish prehistory 9–25
Tombreck, Ben Lawers Estate (Perthshire), pollen analysis 55
tools
Eldbotle 254–5
agricultural tools 270, 281, 292, 294
stone, Pitcarmick 176
top shell (Gibbula cineraria), Eldbotle 257
Torbhlaren (Argyll), possible findspot of Kilmichael Glassary Bell-shrine 203, 203, 206–7
Tòrr a’ Bhlàrain, Hill of (Argyll) 204, 205, 206, 207
trace element composition, sediment matrix, Croig Cave 90, 91–2
Trachurus trachurus bones, Croig Cave 106
Traquair ( Peeblesshire), holy bell 241
Triglidae spp bones, Croig Cave 106
Trisopterus spp bones, Croig Cave 103, 105
Triticum spp (wheat), Eldbotle 256, 260, 262, 269, 281
Troup (Banffshire)
castle at Cullykhan, Castle Point 301–28
for detailed entry see Cullykhan
families associated with 319–22
Tullibole (Kinross-shire), cross-slabs 454
turf, use in buildings 188–9
Turner, Louise. ‘for beauty and desirability there is none in the kingdom to be compared’: Thomas Telford, James Watt and the evolution of Glasgow’s water supply 413–34
Uragaig, Colonsay, cist 442–3, 443, 457
Vicia Pisum sativum (peas), Eldbotle 256, 266, 269, 281
Viking Age graves, Colonsay 446–7
boat grave, Kiloran Bay 443–5, 446, 461–2
horse skeleton 444
visionary experiences, witches’ 372–3, 408–10, 411
vitrified material, Cullykhan 319
vole bones, Croig Cave 110–12
Volva molva bones, Croig Cave 106
water supply, Glasgow see Glasgow, water supply
Watin (Serbia), gold Roman bracelet 136–7, 136, 140
Watkins, Antoinette ‘Twin’, brief biography 486
Watson, Aaron, joint author see Bradley, Richard
Watt, James, engineer 415, 417, 418–19, 420, 426–8, 431
Webb, Sharon, joint author see Caldwell, David H.
W EST LOTHIAN
Duntarvie Castle, timbers 332, 337, 339
Westthorn River-Supply Works 430
wheat (Triticum), Eldbotle 256, 260, 262, 269, 281
whelks (Buccinum undatum) shells, Eldbotle 257
white gritty ware, Scottish 179
Cullykhan 316, 325
Eldbotle 249, 254, 259–60, 262, 266, 267, 271, 272, 274, 275, 284, 285
Pitcarmick 171, 179, 185
whiteware, French, Eldbotle 254, 285
Whithorn (Wigtownshire), carved stones 448, 456
whiting (Merlangius merlangus) bones
Croig Cave 96, 98, 99, 100, 103, 105
Eldbotle 256, 260, 282
Wicks, Karen, joint author see Mithen, Steven
WIGTOWNSHIRE (Dumfries and Galloway)
carved stones 448, 456
Castle of Park, timbers 332, 343, 353
Cruggleton Church 449, 456
Kirkmadrine Church 456
medieval holy bells 241
priory 449, 454–6
St Ninnian’s Cave, Glasserton 448, 456
Wells of the Rees, Kilgallioch 456
Whithorn Priory 449, 454–6
willow (Salix sp) charcoal
Croig Cave 114, 116, 117, 118, 119, 120
Pitcarmick 180, 184
Wilson, Patrick, architect 435
Wilson, Robert, joint author see Tipping, Richard
window glass, Cullykhan 318
winkle shells, Eldbotle 252
witch trials 380–1
data manipulation 376
false confessions 378–9
interrogators 382–3, 387, 398, 407, 410–11
North Berwick 373–8, 377, 378, 379, 380, 382, 386; interrogators 374, 375
witnesses 388–9
witches’ sabbath 371–412
devil’s role 394–6, 400, 401, 404, 411
feasting at 401–3
gather of body parts 396–7
history 371–3
as journey to the other world 404–10
Kirk and 379, 380–1, 403–4
locations 387–93
music and dancing at 377, 399
numbers attending 397–8
protection of identity at 399–400
times and dates 380–2, 385–7
travel methods 398–9, 405–7
witches/witchcraft
animal metamorphosis 398–9, 405
fairy lore and 383, 384, 385, 386, 387, 390, 391, 393, 411
flying 398, 405–6
influence of popular beliefs 383–5, 389–90
James VI and 373, 374, 376, 377, 380, 385, 407
origins 373–80
use of body parts 396–7
visionary experiences 372–3, 408–10, 411
witching hour 380
wood charcoal
Croig Cave midden 101, 102, 114, 116–20, 121, 122
analysis 126–7
Pitcarmick 180, 182, 184
woodland, native
dendrochronological data 351–8
oak 352–4
pine 354–8, 361
Strathspey 356–7
Wordsworth, Jonathan, brief biography 486–7
wrasse (Labridae spp) bones, Croig Cave 96, 97, 98, 99, 100, 103, 106, 126
X-radiographs, Kilmichael Glassary Bell-shrine 216, 218
X-ray diffraction (XRD), sedimentary analysis, Croig Cave 85, 86–92, 125
X-ray fluorescence (XRF)
Kilmichael Glassary Bell-shrine 215, 216, 217
cross and chain 219
sediment analysis, Croig Cave 89–92, 124
yew (Taxus baccata) charcoal, Croig Cave 116, 119
Yorkshire type ware, Eldbotle 254
zinc (Zn), sediment matrix, Croig Cave 90, 91