

# Index

Principal authors' names do not appear in the Index as these are given in the Table of Contents at the beginning of this volume. Authors of specialist reports are listed with a brief indication of subject matter. Site names cited as parallels are not as a rule indexed. Place-names are individually indexed, but also appear under the relevant old or historic county name. County names appear in capitals; names of the relevant new council areas (ie post-1996) are given in brackets. Correspondence between the post-1996 councils areas and the old historic counties is not always exact. Fellows are urged to consult the Foreword and maps in the General Index to Volumes 106–126 for clarification. Multi period entries, eg coins, houses, pottery are listed chronologically, then alphabetically (thus, various sorts of medieval pottery will follow Romano-British pottery).

- Abbey Mains Farm, Haddington, East Lothian, BA cist 193–204
- Abercromby, the Honourable John 19
- ABERDEENSHIRE (Aberdeenshire)
- Balbridie 66, 86, 95, 96, 105, 106–11, 119
  - Bennachie 307
  - Berryhill 213–25
  - Spurryhillock 186
- Adomnán, St 360
- adze, shaft-hole, quartzite 145, 168–69
- aerial photography and reconnaissance
- prehistoric 66, 108–09, 213, 215
  - Roman 273
  - post-Roman 313, 347, 374
  - and see* cropmark sites
- agate 170
- agricultural practices
- cattle ranching 362
  - cereal cultivation 359, 364–65
  - clearance of land for 173, 460–61
  - (the) Clearances 489, 490, 492
  - dairy products and wool 412
  - early establishment of 88
  - Improvement 482, 489 and change 483
  - overlap between gathering/hunting and husbandry 166–67
  - pastoralism/pastureland 359, 431
  - stock raising 364–65, 374
  - and see* cereals, plants, weeds
- Allandale Cottages, Allandale, Falkirk, Antonine Wall site 269–71, 299
- Alldritt, D M, plant remains, Chapelfield 173–78
- analyses *see* charcoal, cluster, dental, geophysical, magnetic susceptibility, palynological (pollen), phosphate, radiocarbon dates, sedimentological, skeletal
- Anderson, Joseph (1832–1916), Keeper of National Museum of Antiquities 1–18, 20
- early career 3–4
  - editor, *John O'Groats Journal* 4
  - 1892 catalogue to Museum 9
  - lecture to Glasgow Archaeological Society 6–7, 10, 11, 13–15
  - record keeping 7–9, 11
  - Rhind lecturer 6
  - scientific archaeology 7–8
  - sculptured stones 14–15
  - uniqueness of Scottish archaeology 8, 14–16
- Anglo-Saxon period
- buildings 368
  - finds 368, 369
  - and see* Lothians, Northumbria
- ANGUS (Angus)
- St Vigean, Arbroath 4, 14
- Antonine Wall excavations 1994–2001
- Berm 266, 281, 282, 284, 291–92, 299
  - commentary on interventions 297–98
  - Ditch 262–63, 266, 269, 270–71, 273, 275, 279, 281, 283, 287, 289, 292, 299
  - fortlets 279, 301
  - forts and camps 300–01
  - lilia* 266, 279, 299
  - Military Way 264, 266, (possible 269), 289, 292, 300
  - Outer Mound 271, 273, 289, 292, 300
  - Rampart 266, 272, 275, 281, 282, 283–84, 286, 289–91, 299
  - robber trench 264
  - turf 281, 286, 299
  - tutulus* at Tamfourhill 268
  - sites along Wall with no significant archaeological results 261, 301
  - and see* individual sites
- anvil, stone 152, 167, 186
- apple, crab (*Malus sylvestris*) 94, 96
- archaeology
- and ethnography 478–81
  - garden, lecture summary 557–58
  - historical 476, 487
  - prehistoric 478–81
  - social history 488–93
- architects, Arts and Crafts, lecture summary 556–57
- architecture
- on cathedral seals 439
  - the 'chief introducer' 499–519
  - late 17th-century influence of classical 502
- ard-marks 364
- ards 364–65
- Arran, pitchstone source 169
- arrowhead, hollow-based leaf-shaped 147
- Arts and Crafts: house restoration projects, lecture summary 556–57
- Atkinson, J A, The Manse, Hillhead Road, Kirkintilloch, East Dunbartonshire, Antonine Wall site 284–85
- Auchendavy, East Dunbartonshire 274–79, 298, 299, 301
- Auchenlaich long cairn, Perthshire 66, 114–19

- Balbridae, Aberdeenshire 66  
 comparison of interior with Claish 105, 106–11  
 nature of structure 119  
 palaeoenvironmental evidence 95, 96  
 pottery 86
- Balcaskie, Fife, remodelled house 502, 503, 506
- Balfarg Riding School 1 & 2, Fife 110, 111
- balls, *cache* 521–28  
 bouncing ball games 527
- banks, associated with pit alignment *see* pit alignment  
 turf 388–89, 418
- Bannockburn, Stirling, Neolithic site, structured deposition in pits 187
- barrows, square ditched 347–49
- bath-houses, Roman 365, 367  
 stone from reused as cist slabs 329
- Bearsden, No 39 Roman Rd, Dunbartonshire, Antonine Wall site 287, 288  
 Ballaig Avenue, Antonine Wall site 288
- Beckton Farm, Lockerbie, Dumfriesshire 184, 187
- Bennachie, Aberdeenshire, possible site of Mons Graupius 307
- Berryhill, Aberdeenshire 213–27
- birch bark 94, 95
- Birdoswald fort, Cumbria 366, 367
- blackhouses, Western Isles 478–79, 480
- Board of Trustees for Manufacturers, established 1727  
 interest in production of linen diaper and damask 529–33, 535–36, 538, 542, 548, 549  
 established Drawing Academies in Edinburgh for designers in damask patterns 537, 540 and in Dunfermline 541  
 offered prizes for designs 538, 539
- bogs, peat 178  
 Scots pine wood from 185  
*and see* peat
- bone, animal, species identified 96–98, 390, 395, 408–12  
 butchery evidence 411–12, 417  
 cull pattern 409–10  
*and see* pig, sheep
- bone, bird 408, 409
- bone, cetacean 408, 409
- bone, fish summary and identification 412–14
- bone, human remains, *see* inhumation, dental analysis, skeletal analysis  
 stray find, female femur 208, 209–10
- borer, sandstone 147, 148, 165–66, 186
- bottle, glass, 17th–18th-century green 397, 399, 407
- boundaries  
 cup-marks as markers 326–27  
 features 393  
 pit alignments 315, 325–26
- boundary earthworks 362  
 turf banks as 13th-century property divisions in Leith 388, 390
- Braby, Alan, illustrations, Ceann nan Clachan 256
- brass matrix of Dunkeld Cathedral chapter seal 439, 453
- brick 399, 406, 407  
 makers in Throsk 464–65, 467
- brochs, early excavations 4, 22, 34
- Bronze Age period  
 burials associated with pig bones 200–02  
 rectilinear structure 315, 318–19, 325  
 short cist burial 193–204
- bronze objects, penannular brooch 368
- brooches, penannular  
 bronze 368  
 copper alloy 207, 210–11
- Bruce, Sir William 499–519
- buildings, *see* houses, structures
- burghs  
 backlands 427, 434  
 burgage plots 427  
 decline, early to mid 14th-century 418  
 defensive ditches 425, 427–28, 429–30, 433, 434–35, 436  
 excavations, Inverness 428–29 and 40–42 Water Street, South Leith 362, 388, 390, 393, 418  
 expansion 12th–13th-century 417  
 property boundaries 362, 388, 390, 393, 418
- burials, *see* cemeteries, cists, graves, inhumations, skeletal analysis
- burnt mounds, Ceann nan Clachan 235–37, 253–54
- button, copper 395
- butts, grouse 224
- Burnswark hill fort, Dumfriesshire 362
- cache* or *caich* ball game 522–23
- Cadder, East Dunbartonshire, Antonine Wall site 286–87, 299
- cairns, chambered 155  
 Clyde Group 117–19  
 early excavations 4–5, 10  
 over square-ditched grave 337
- cairn, long, Auchenlaich 114–19
- CAITHNESS (Highland), late 19th-century scholars 4–5
- Callander, J Graham 35, 46
- Cameron, K and R Strachan, Cleddans Rd, Hardgate, West Dunbartonshire, Antonine Wall site 288–93
- Cameron, K with B Glendinning, Shirva, East Dunbartonshire, Antonine Wall site 273
- candlesticks 31–32
- cannon ball, iron 399, 420
- Carlisle, Cumbria 359  
 Castle 363  
*civitas* of the *Carvetii* 365–66  
*Luguvalium*, 366, 367, 368, 372
- Carruthers, Annette, Architecture, Nature and Magic: some house restoration projects in Scotland by Arts & Crafts designers, lecture summary 556–57
- Carter, S P, soil micromorphology 149–52
- the *Carvetii* 361, 365
- Ceann nan Clachan, North Uist 229–58  
 Structure 1 and associated burnt mound 233–37  
 Structure 2 237–42  
 Structure 3 242  
 discussion 253–56
- cemeteries, long grave, Thornybank, Midlothian 313, 327–50  
*and see* cists, inhumation
- cereals, barley, oat, rye, wheat (emmer and bread), identifications 92–93, 95–96, 126–27, 128, 173, 278, 389, 414–15, 416, 417, 431

- charred grain from drying kiln 432  
 no crop processing on site 96  
 small-scale processing 418  
 storage of grain 104, 107
- ceramics, spindle whorl 406  
*and see* pottery
- Cerón-Carrasco, R, marine molluscs 247–48
- chain, silver ‘Midside Maggie’s Girdle’ 21
- Chapelfield, Cowie, Stirlingshire 139–92  
 interpretation and discussion 183–88  
 pits 147–54  
 structures 142–47
- charcoal, used for identifying species and radiocarbon dating 71, 77, 95, 173, 174, 178, 217, 248–49, 414, 432
- Cheape, William, damask weaver 532–34, 536  
 patented loom 539  
 prizes for damask and diaper 537
- chert, blades 148, 170
- Childe, V Gordon 3, 19, 25, 56, 59
- Church, M, plant remains, Ceann nan Clachan 248–49
- cists, burial  
 long 313, 328–32  
 short 193–95, 205, 207, 211
- Claish, Perthshire 65–132  
 burning 103  
 comparanda 106–11  
 conclusions 130–32  
 contexts 119–23  
 discussion of structure 98–106  
 European comparisons 127–29, 130  
 function of structure 125–27  
 local units of measurement 112–13  
 radiocarbon dating 98, 99, 100  
 roofing 113–14
- Cleddans Rd, Hardgate, West Dunbartonshire, Antonine Wall site 288–93, 298, 299, 300
- cluster analysis 178, 179
- Cochran, Patrick R W, on Joseph Anderson’s work 6–9
- coal 389, 390, 391, 392, 394, 395, 417, 419
- coastlines  
 Solway Firth 359–60  
 Water of Leith 383, 385
- Coeling dynasty, *see* Urien
- coffins, log  
 shown as stains 327, 328, 332–35  
 tree trunk 332, 333
- coins  
 evidence for the use and circulation of coins in medieval Scotland, lecture summary 555–56  
 medieval: 14th–15th-century, identified in archive 317, James 1–11 silver groat 405, James 11–1V 405  
 modern: 15th–16th-century 394, 405, George 11 397, 405
- Columba, St 378  
 on Dunkeld Cathedral seal 439  
 relics at Dunkeld 440
- communication, seaways 360–61
- cooperage smithy 387, 397, 398, 400
- copper-alloy matrix seal 441
- copper-alloy objects, *see* brooches, button, pin, lace tag, strap loop, vessel
- cork(s)  
 bottle 521, 527  
 fishing float 521, 527
- cotton (*Gossypium sp*) 524, 525, 527
- crannogs 363
- Cree, James, excavation of Traprain Law 29–30
- Cressey, M, charcoal identifications, Ceann nan Clachan 248
- Cromwellian period, occupation of Leith 420
- Crone, Anne, charcoal, Inverness site 432
- cropmark sites,  
 Sprouston, Roxburghshire 108–09  
 square barrows 347  
 Roman temporary camp 267
- croziers, Celtic  
 represented on seal matrices 440, 446–47  
 St Fillan’s 441, 446
- Cumbria 358  
 Birdoswald 366, 367  
 Carlisle 359, 363, 365–66, 367, 368, 372  
 Roman presence 365  
 sub and post-Roman objects 368–69
- Cunliffe, Professor Barry, Rhind lecturer 563
- cup-marks 320–21, 322  
 as boundary/territorial markers 326–27
- Curle, Alexander O (1866–1955) 19–41  
 archaeological contributions 36–37  
 excavator of Traprain Law 20  
 Director, National Museum of Antiquities 29–30, 36  
 Director, Royal Scottish Museum 30, 36  
 Secretary, RCAHM Scotland 27–29, 36  
 Writer to the Signet (1892) 21
- Curle, James (1862–1944) 20–27  
 archaeological work 21–27, 36–37  
 excavation of Newstead, Roxburghshire 20, 22–25  
 public service 27, 37  
 Writer to the Signet (1886) 21
- cursus, pit or post defined 122–23
- Cuthbert, St 359, 368
- Dál Riata 357, 371, 375
- Darien project 506, 507
- David I (1124–53) 386, 417, 425
- Dawson, Jo, marine shell, Leith excavations 414
- dental analysis, Thornybank cemetery  
 abscesses 342  
 disturbance to formation of teeth 341  
 low rate of caries 341, 342  
 missing teeth in juvenile 341  
 periodontal disease 342  
 tooth infection 339  
 wear pattern on lower incisor 340
- deposition, structured 147, 148, 155, 172, 188  
 burials 200–02  
 pottery 162  
 stone tools 186  
 votive, Roman Iron Age 363
- destruction, deliberate, pottery 152, 156, 160, 186
- Digney, Stephen, illustrations 467
- ditches  
 Antonine Wall Ditch *see* Antonine Wall  
 at Auchendavy 274–75

- burgh defensive 425, 427–28, 429–30  
 dating 434–35, 436  
 fill 433  
 Dunbar Golf Course 207–08, 212  
 enclosure 362  
 foul water 435, 436  
*and see* house, ring-groove
- documents  
 Curles' collection given to Scottish Record Office 35  
 used in archaeological and historical studies 488–89  
 Donaldson, James, of Drumsheugh, damask and diaper weaver 531, 534–36, 549  
 Donnelly, M, struck stone, Chapelfield 169–73  
 Dragendorff, H 25  
 drains 233, 237, 394, 395–96  
*Drum Cett* convention 375, 376  
 Drumsheugh, Edinburgh, linen weavers 529–53  
 Duffy, A, Brewers Fayre, Falkirk, Antonine Wall evaluation 260  
 Dumbuck Crannog, Dunbartonshire 44, 48–49, 56
- DUMFRIESSHIRE (Dumfries & Galloway)  
 Beckton Farm 184, 185  
 Burnswark 326  
 Hoddum 368, 376  
 Dunadd, Argyll 376–77  
 Dun Ardtreck, Skye 309  
 Dunbar Golf Course, East Lothian, child cist burial and ditches 205–12
- DUNBARTONSHIRE (West and East Dunbartonshire)  
 Auchendavy 271–74  
 Bearsden (no 39 Roman Rd and Ballaig Avenue) 287–88  
 Cadder 286–87, 299  
 Cleddans Rd, Hardgate 288–93, 298, 299  
 Gavinburn Bus Depot, Old Kilpatrick 293–96, 300  
 Kirkintilloch (The Manse) 284–85  
 St Flannan's Church, Kirkintilloch 279–84  
 Dumbuck Crannog 44, 48–49, 56  
 Knappers 44, 56–59, 60
- Duncan, J S, geoarchaeological investigations, Chapelfield 178–82
- Dunfermline, Fife  
 centre for linen weaving 529, 531, 532, 537, 538, 540, 548  
 Drawing Academy 541, 542  
 mechanization 542
- Dunkeld Cathedral, chapter seal 439–58
- Dunragit, Wigtownshire 359, 372, 377
- dyes, natural 524, 525
- Early Christian period 14–15  
 church in Ireland 376  
 Hadrian's Wall evidence 367–68  
 memorial stones & church dedications in the Rhinns & Machars 368  
 Solway diocese 367  
 Thornybank long-grave cemetery 344, 347, 349
- Early Historic period  
 long cist cemetery, Thornybank 327–55  
 Rheged 357–82
- earthworks *see* banks, enclosures
- EAST LOTHIAN (East Lothian)  
 Abbey Mains Farm, Haddington, cist 193–203  
 Dunbar Golf Course, child burial and ditches 205, 212  
 Traprain Law 20, 29–30, 31, 32
- economy  
 impact of prestige goods 365, 374, 377  
 Iron Age 364
- EDINBURGH CITY  
 Drumsheugh weavers 529–54  
 the Exchange 505  
 Holyrood Abbey 386  
 Holyroodhouse 500, 502, 503–05  
 Linen Hall, Canongate 536, 540  
 17th-century cisterns and fountains 505  
 South Leith 383–424
- Ellis, C with J W Gooder, evaluation 3 at Shirva, Dunbartonshire, Antonine Wall site 273–74
- enclosures  
 Iron Age circular 362  
 long mortuary 120–21  
 medieval 278  
 possible Roman period at Auchendavy 274, 278  
 stone built 364  
 stone walled, Berryhill 241–17
- England, Anglo-Saxon *see* Anglo-Saxon period
- environmental evidence *see* bone, cereals, fruits, legumes, plants, soil, trees, weeds, woodland
- erosion, tidal 229, 231
- ethnology  
 Highland rural settlement studies 475  
 past in the present 478–81  
 travellers' accounts 477
- Evans, Caitlin, illustrations 203, 303
- Evans, Jeremy, Roman pottery, Auchendavy 276, 277
- Fairhurst, Horace 484, 485, 487
- Falkirk, Stirlingshire  
 Bonnyhill Road, Antonine Wall site 269, 270  
 Brewers Fayre, Antonine Wall site 260  
 Mary Street, Laurieston, Antonine Wall site 260, 262–67, 298, 299, 300  
 Tamfourhill, Antonine Wall sites 267–68, 268–69
- faunal remains *see* bones
- fields  
 ditched enclosure, Roman period 274–76, 279, 301  
 systems 279, 364
- FIFE (Fife)  
 Balcaskie House 502, 503, 506  
 Balfarg Riding School 110, 111  
 Dunfermline 529, 531, 532, 537, 540, 541, 542, 548  
 Morton on Tay 184, 185
- fig seeds 395, 417
- Finlayson, W, chipped stone, Ceann nan Clachan 247
- fish hook, iron 400, 405
- fishing, Leith village 386, 414
- fish processing 386, 390–91, 413, 417, 418  
*and see* bone, fish
- fives*, *see* handball
- flax (*Linum usitatissimum*) 415, 417, 532  
 spinning mill 542  
 thread 524, 525, 528
- flint  
 core 225, 394

- flakes 88, 89, 153, (possible 170), 225, 24, 242, 247  
 leaf-point *see* arrowhead  
 debitage 153, 170  
 scrapers 225–26, 390, 406
- flora *see* cereals, hazelnut shells, plants, weeds, trees
- flooring  
 ashy deposit 239–40  
 clay 221, 222  
 sand 145, 234–35, 239
- folk-life  
 Highland rural settlement studies 475, 487  
 traditional ways of life 481–82  
 unchanging 483–84
- food & drink  
 diet 197  
 drying/smoking of fish 256  
 filleted fish 413  
 fruit 152, 395, 417  
 herring 412  
 liquid contents of Beaker 196, 198, 202  
 nutritional stress in childhood 197, 209  
 piglet 411–12  
 pork joints 200–02  
 production of stock fish 413  
 sheep based product, residue analysis 244, 247
- forest clearance 173
- fortlets *see* Antonine Wall
- forts, Roman 365, 366  
 survival after Roman period 366–67, 374
- Foster, S M, the Auchenlaich cairn 114–19
- Franklin, Julie, finds from Water Street, South Leith 400–08
- fruit  
 crab apple 92–93, 94  
 grape and fig seeds 395, 417  
 sloe 152
- fuel  
 blanket peat 235, 236, 248, 249, 251  
 coal 389, 417  
 damp grassland turf 237, 248, 249, 432  
 peat moss for pottery kilns 461  
 Scots pine from bog peat 178  
 seaweed 237, 248  
 wood (grain drying kiln) 432
- furnace  
 hearth 277–78  
 lining 389
- gardens  
 archaeology of and designed landscapes, lecture summary 557–58  
 work at Kinross House 506, 509, 512
- geology of sites investigated  
 Abbey Mains Farm 193  
 Claish 66  
 Chapelfield 139–41  
 Inverness 425  
 Thornybank 313–14
- George IV, visit to Edinburgh 542, 543  
 commemorative damask tablecloth 543–47
- geophysical surveys  
 magnetic susceptibility analysis, Chapelfield 178, 179, 180
- resistivity, Berryhill 214, 216
- glass  
 bottle *see* bottle  
 18th–19th-century, A O Curle collection 31  
 19th–20th-century 266
- Glendinning, B and K Cameron, evaluation 1 & 2 at Shirva, Dunbartonshire, Antonine Wall site 273
- Gooder, J W, Antonine Wall sites  
 Allandale Cottages, Allandale 269–71  
 Bonnyhill Rd 269  
 Tamfourhill temporary camp, Falkirk 267–68  
 Tamfourhill, Lime Rd 268–69
- Gooder, J W with C Ellis, evaluation 3, Shirva, Dunbartonshire, Antonine Wall site 273–74
- Gotland, James Curle and Gotlandic antiquities 21
- Graham, Angus 1, 36
- grain, storage in building 104, 107  
*and see* cereals
- grape seeds 395, 417
- grave-markers, stone 332, 350
- graves  
 four-post 328, 337–39, 348  
 log coffins 237, 238, 332–35  
 pebble-lined 328, 339  
 square-ditched 327, 328, 335–37, 338, 350  
 comparanda 347–49  
*and see* Thornybank
- grinders 145 *and see* hammerstones
- Guthrie, John, damask weaver 541, 548  
 appointed damask weaver to George IV 547  
 commemorative damask table cloth for George IV 542–43
- Hadrian's Wall, Cumbria/Northumbria 359–60  
 army 366  
 early Christianity churches and epigraphy 367–68  
 sub-Roman and Anglo-Saxon finds 367
- harbour, Leith 386
- Haggarty, George, ceramic material Inverness sites 430
- hammerscale 390, 394, 395
- hammerstones 145, 148, 152, 167, 186
- handball games 522
- Hardinxveld, Rhine Delta, The Netherlands, lecture summary 558–59
- Hastie, Mhairi, Auchendavy, Antonine Wall site 274–79  
 plant remains, Leith excavations 414–18
- hazelnut shells, prehistoric 71, 73, 75, 77, 90, 92–93, 94, 96, 148, 149, 152, 154, 187  
 medieval 415, 417
- hearth/furnace 277–78
- hearths  
 Berryhill 219  
 Ceann nan Clachan 233, 236, 237, 238–39, 241, 251–52  
 Claish in pits 77  
 16th-century 394, 395
- Henderson, David  
 child burial, Dunbar Golf Course 209  
 faunal remains, Leith excavations 408–12  
 fish remains, Leith excavations 412–14  
 human and animal remains, Abbey Mains 196–97
- Hicks, K, illustrations 202, 350
- Highland rural settlement studies 475–93

- hill-forts, Iron Age 362  
 Hoddom, Dumfriesshire 368, 376  
 Hogg, D J, aspects of the Claish structure 111–14  
 Holmes, Nick M McQ, coin identification 317, 405  
   The evidence of finds for the circulation and use of coins in medieval Scotland, lecture summary 555–56  
 Holyrood Abbey, Edinburgh endowed with lands and harbour, Leith 386  
 Holyroodhouse, Edinburgh 500  
   rebuilding of 502, 503–05  
 Hopetoun House, West Lothian 508, 509, 511, 512, 513, 515, vista 514  
 horseshoe, iron 278  
 houses  
   aristocratic country 503, 504  
   Iron Age roundhouses 362, 364  
   prehistoric, round, drip gully 66  
   post-Roman 369  
   round, stone walled 223  
   *and see* structures  
 human remains *see* cremation, dental analysis, inhumation, skeletal analysis  
 Hunter, Fraser, penannular brooch, cist, Dunbar 210–11  
 hut circle 219–23  
 huts, possible drovers' 218
- inhumation  
   child, prehistoric, in short cist 209  
   early Historic in long graves 329, 332, *and see* skeletal analysis  
   female in short cist 196  
   register of Thornybank graves 350–52  
 Inchtuthil, Perthshire, long mortuary enclosure 121  
 industry, light 390  
   workshop 390, 391–93  
 insect remains, Inverness 430–31  
 inventories, household linen 530, 531–32, 536, 537  
 Inverness, Inverness-shire 425–37  
 INVERNESS-SHIRE (Highland)  
   Inverness 425–37  
 Iona Chronicles 362  
 Iron Age period  
   Anderson, Joseph on the Scottish 13–14  
   child burial, Dunbar 205–12  
   hillforts 362  
   Roman Iron Age 363  
   settlements 362  
 iron objects, *see* cannon ball, fish hook, nails, spike, studs  
 iron working 395
- Jacobitism 508, 514  
 Jarlshof, Shetland 34–35  
 jeweller's citadel *see* Mote of Mark  
 Johnson, Melanie, pottery report, Ceann nan Clachan 242–46  
 Jones, A, petrological sherd analysis, Chapelfield 155–56
- Kentigern, St 368, 370, 377, 440  
 kilns  
   grain-drying 425, 428, 429–30, 433, 435, 436  
   peat moss for firing 461  
 kingdoms in early medieval period 374–76  
 Kinross House, Kinross-shire 505, 507, 513, 514, 515  
   architecture 508–11  
   landscaping and vista 506, 511–12  
   village of Kinross relocated 507  
 KINROSS-SHIRE (Perth & Kinross)  
   Kinross House 505, 506, 507, 508–12, 513, 514, 515  
 KIRKCUDBRIGHTSHIRE (Dumfries and Galloway)  
   Mote of Mark 28–29  
 Kirkintilloch, The Manse, Hillhead, Dunbartonshire, Antonine Wall site 284–85, 299  
 Knappers, Dunbartonshire 44, 56–59, 60  
 knives, stone 152, 166, 168
- lace tag, copper 405  
 landscape  
   the archaeology of designed landscapes, lecture summary 557–58  
   coastline 359–60  
   cognitive 490  
   creation of vistas 502, 512, 513, 514  
   18th–19th-century travellers' accounts of Highland 477  
   identification and study of medieval 485  
   projects 486  
   Rheged 359–61, 372  
 land use 359, 376  
 languages  
   Brittonic 305  
   Celtic 306, 307, 308  
   (proto) Pictish 306–07, 309  
   Welsh 305, 306, 308, 309, 357  
 latrine, 16th-century 394, 395  
 Lauderdale, John Maitland, Duke of 501, 503, 504, 505, 506, 514  
 Laurieston, Mary Street, Falkirk, Antonine Wall site 260, 262–67, 298, 299, 300  
 lead, pistol ball 405  
 leather covering of *cache* balls 521, 522  
 legumes, garden/field pea 415, 417  
 Leiden, The Netherlands, town seal 451  
 Leslie, A and K Speller, Antonine Wall sites  
   Ballaig Avenue, Bearsden 287–88, 289  
   Cadder 286–87  
   Gavinburn Bus Depot, Old Kilpatrick 293–95  
   St Flannan's church, Hillhead, Kirkintilloch 279–84  
*lilia* (defensive pits) *see* Antonine Wall  
 linen  
   bleaching 540  
   damask 529–30, 531  
   diaper 529, 531, 548  
   holland cloth 535  
   improvements in weaving 533–34  
   weavers 530, 532–33, 534  
   weaving in Ireland 530–31  
 Linen Hall in Canongate, Edinburgh 537, 540  
 Linlithgow, West Lothian, new tolbooth 502  
 literature  
   early Welsh 361, 369  
   the Gododdin 375, 376  
   medieval 357, 377  
 lithics *see* flint, quartz, quartzite, pitchstone, stone  
 Littleour, Perthshire 66, 109–10  
 Loch Harport, Skye, possible site of Trucculan Harbour 309

- looms, linen  
 broad diaper 533  
 hand operated drawn 530, 531  
 Jacquard 542, 548  
 mechanical shuttle 535–36  
 powered 548
- Lothians, Anglian settlement of 347
- Louwe Kooijmans, Professor Leendert P, Hardinxveld, 5500–4450 cal BC. Recent excavations of two hunting-fishing sites in the wetlands of the Rhine Delta, The Netherlands, lecture summary 558–59
- MacAlpin, Kenneth 440
- McCullagh, R P J, Gavinburn Bus Depot, Old Kilpatrick, Antonine Wall site 295–96
- Macdonald, Sir George 23–24, 32, 34
- McGill, C, Neolithic pottery, Thornybank 317, 324
- MacSween, A, surface finds of Neolithic pottery, Thornybank 317–18
- McWee, Roger, metal detector survey, Thornybank 317, 335
- Mackie, Alexander, clerk of works at Newstead 23–24, 37
- magnetic susceptibility analysis 178, 179, 180
- Mann, Ludovic McLellan (1869–1955) 20, 43–64  
 career as insurance broker 46  
 early archaeological papers 46–48  
 obsession with prehistoric measurements 51, 54–56, 60  
 organized exhibitions 49–51  
 ‘rescue archaeology’ 47, 54  
 tribute from J G Scott 59–60  
 used the Press 52–54
- manuring 432, 433, 434
- Martin Martin 477
- Medieval or Later Rural Settlement studies (MoLRS) 485, 486
- medieval period  
 Inverness, ditches and grain-drying kiln 425–438  
 South Leith excavations 383–424  
 13th-century cathedral matrix seals 439–58
- Mesolithic period  
 Chapelfield 127, 183  
 excavations at Hardinxveld, The Netherlands, lecture summary 558–59  
 oak and hazel charcoal 148  
 pits 173, 182, 185–86, 187–88  
 Scots pine charcoal 178
- metal-detector survey, Thornybank 317, 335
- metalwork, Iron Age and late La Tène decorated 364, 376
- metal working debris, non-ferrous 276
- mica, tempering material 83, 84
- middens, medieval 388, 389, 393, 394
- Middleton, M, illustrations 203
- MIDLOTHIAN (Midlothian)  
 Thornybank 313–52
- Miller, J, plant macrofossils, Claish 90–96
- Mitchell, Arthur 479–80
- modern period (post AD 1500)  
 cache balls from St Andrews 521–28  
 Drumsheugh damask weavers 529–53  
 Highland rural settlement studies 475–97  
 Sir William Bruce 499–519  
 Throsk pottery 459–73
- molluscs, marine 247–48, 414  
 in middens 389, 390, 391  
 shellfish processing 394, 414
- monasteries 359, 368
- Mons Graupius 305–07, 308
- monuments, ‘mortuary’ 120–21
- Moray, Sir Robert 499, 504
- mortar 394, 395  
 oyster shell used in 397
- Morton on Tay, Fife 184, 185
- Mote of Mark, Stewartry of Kirkcudbright  
 excavation 28–29  
 metalworking 368, 369, 376–77
- mounds *see* burnt mounds
- Mowat, Sue, historical and archaeological background, South Leith 386–87
- Mowbray, Cecil (later Curle) 35
- Mudie, G, illustrations 202, 350
- Mulqueeney, Libby, illustrations 256
- Mumrills Roman fort, Stirlingshire 34
- Munro, Robert 2
- music, Scottish instrumental 1603–1707, lecture summary 559–60
- mustard, black (*Brassica nigra*), seeds used in soap manufacture 397, 417
- Mylne, John, King’s Master Mason 500, 501
- Mylne, Robert, King’s Master Mason 502, 505, 507, 513
- nails, iron 278, 399
- National Museum of Antiquities, Edinburgh  
 A O Curle as Director 29–30  
 Curle donations 35–36  
 Joseph Anderson 1, 3, 5, 8, 9
- National Trust for Scotland, archaeology of gardens and designed landscapes, lecture summary 557–58
- Neolithic artefacts *see* arrowhead, chert, flints, pitchstone, pottery, quartz
- Neolithic period  
 early 183, 184  
 elements transferred from Europe to Britain 127–29  
 middle to late 183  
 pits 185, 188, 317–18, 324  
*and see* pottery
- Newstead (*Trimontium*), Roxburghshire  
 James Curle as excavator 20, 22–25  
 report 24–26
- North Uist, Ceann nan Clachan 229–56
- Northumbria 357, 359, 370, 377
- Norway  
 English influence 443  
 Oslo cathedral seal 13th-century 439, 441–42  
 Scottish links 445  
 Stavanger, cathedral 435–54  
 Trondheim, cathedral seal 443, 453, 454
- numismatics *see* coins
- Old Kilpatrick, Gavinburn Bus Depot, West Dunbartonshire, Antonine Wall site 293–96, 300
- O’Neil, Marion, illustrations 123
- ORKNEY ISLANDS, Skara Brae 56

- Oslo Cathedral (St Hallvard's), Norway, matrix seal 439–58
- palisade(s) 314, 319, 321, 323, 327  
post-pipes 322
- palynological analysis, *see* cereals, fruits, legumes, plants, trees, weeds
- Paris, France, University seal 451
- peat  
clearance of peat moss for agriculture 460–61  
exploitation and sale 459–61, 467  
fills of Antonine Wall Ditch 274  
fuel for pottery kilns 461  
*see* fuels
- pebbles 147
- PERTSHIRE (Perth & Kinross/Stirling)  
Auchenlaich long cairn 66, 114–19  
Claish 65–132  
Dunkeld Cathedral 439–41, 445  
Inchtuthil 121  
Littleour 66, 109–10
- philology 305–11
- phosphate analysis 179, 180
- Photos-James, Effie, non-ferrous metalworking debris, Auchendavy 276
- the Picts  
kingdom 357, 371  
sculptured stones 14–15  
square barrows 348, 349
- pig  
interred scapula 195, 197  
bones in BA burials 200–02  
piglet cooked whole 411–12
- Piggott, Stuart 1, 11, 19, 36
- pin, copper-alloy 405
- pit alignment 314, 319–21, 325–26  
and bank 321, 326
- pitchstone  
blades 147, 148, 152, 153, 154, 170, 186, 187  
core 153, 171  
deposition 186  
flakes 147, 148, 152, 153, 154, 170, 186, 187
- pits  
Bronze Age 70  
burnt deposits, cereals, pottery 68, 70, 77–79  
Chapelfield examples 145, 147–54, 185–87  
demolition 16th–17th-century 397  
fire-cracked stone fill 319, 325  
firing pottery? 87–79  
*lilia*, *see* Antonine Wall *lilia*  
medieval rubbish 393, 394, 419–20  
Neolithic 317, 324
- plants  
Ceann nan Clachan 248–49  
Chapelfield 175–77, 188  
Claish 94, 95–96  
Inverness 431–32  
South Leith 414–18  
*see* cereals, fruit, legumes, trees, weeds
- plague, bubonic in Europe 418
- population  
decline 418
- early medieval health 342
- pottery, Early Neolithic  
carinated bowls 72, 73, 78–79  
analysis 79–84  
comparanda 85–88  
'north-east style' 86–87  
tempering materials, 83, 84  
Chapelfield sherds 147, 148, 152, 159–60, 186  
comparanda 161  
fabric 155–56  
food residue 162  
Grooved Ware 317–18  
later Impressed Ware 317
- pottery, late Neolithic  
Beaker, comb impressed 147, 149, 159, 160, 162, 185, 187  
Beaker Step 4 195, 197–98
- pottery, Bronze Age, undiagnostic 318  
later Bronze Age, flattish rimmed, bucket shaped 71, 81, 84–85, 318, 324
- pottery, Early Iron Age, Hebridean 242–46
- pottery, Romano-British  
Antonine date 275, 276, 277  
Dressel 20 amphora 277  
black burnished 287, 277  
samian 205, 211
- pottery, post Roman 369, 377
- pottery, medieval 278, 389–94, 400–01  
Leith assemblage tabulated 407, 408  
Perth Local 400  
Reduced 403, 430  
Scottish Redware 400–01, 402, 430  
green glazed 395  
White Gritty 392, 400, 400–03, 430  
Yorkshire ware 388, 389
- pottery, late and post-medieval  
15th–16th-century 394  
Merida ware 405, 407  
reduced green-glazed 263, 267  
Saintonge 405, 407  
Throsk ware 403, 430
- pottery, 17th-century to modern 266, 396, 397, 399
- pottery manufacture 81–84, 156, 324  
tempering material 83, 84, 155–56  
*see* Throsk pottery
- pounders, stone 152, 168, 186
- prehistoric period, late  
Berryhill settlement 121–27  
Ceann nan Clachan 229–58  
Thornybank 319–24, 325–27
- Proceedings of the Society of Antiquaries of Scotland  
*Scanning Project* 566, 570
- Ptolemy, *Geographia* 374
- quartz, flakes 88–89, 148, 166, 170, 237, 241, 247
- quartzite  
adze shafthole 145, 168  
tempering material 83
- querns 365  
saddle 152, 153, 154, 163, 186  
saucer 152, 163  
rubbers 152, 154, 163



- trough 153, 163, 186  
types 163–64
- radiocarbon determinations (summary pages only)  
Abbey Mains Farm burial 197, 198–99, 202  
Balbridie 108  
Balfarg Riding School 110  
Bannockburn 114  
Berryhill wall 215, 217  
carinated pottery date 85  
Ceann nan Clachan 252  
Chapelfield 182–83  
Claish 98, 99–100  
Dunbar Golf Course bone 208–09, 210  
Inchtuthil mortuary enclosure 121  
Inverness 429–30, 434–35  
Littleour 109  
long cairns & long barrows 119  
Parks of Garden 114  
Thornycroft, pit 319, skeletons 328, 342–44, 345, 349
- rampart *see* Antonine Wall
- Ramsay, S, plant macrofossils, Claish 90–96
- Rannie, James, buildings, South Leith 398–400
- Ravenna Cosmography 308, 311
- relics 440
- reliquaries *see* shrines
- resistivity surveys 214, 216
- Rheged, kingdom of 357–81  
location 358–59, 360, 370–74, 377
- Rhind Lectures 1999–2000, Presenting the Scottish Past 1–64
- Rhind Lectures 2002 563
- Rhinns and Machars of Galloway 368  
original kingdom of Rheged 374, 375, 377
- Richmond, Sir Ian 25, 26
- ritual *see* deposition, structured
- roads/routeways, drovers 218–19
- Robins, P, No 39 Roman Rd, Bearsden, Antonine Wall site 287, 288
- Roman period  
Antonine Wall excavations 259–304  
army, auxiliary soldiers 366  
military and native interaction 365  
reused Roman bath house stone 329  
settlement in North Britain 365  
Tacitus' Graupian Hill & Trucculan Harbour 305–11  
*vici*, civilian settlements 365, 374
- roofing  
slates 399, 406, 407  
thatch or turf 233, 242  
tiles 389, 399, 406–07  
timber? 104, 106, 113–14, 218
- rope, carbonized 393
- Roths, John Leslie, Duke of 500, 502, 504
- Rotten Row *see* South Leith
- ROXBURGHSHIRE (The Scottish Borders)  
Newstead 20, 22–26  
Sprouston 108–09, 346
- Roy, General William, 1747–55, map, the Military Survey of Scotland 216, 218, 225
- Royal Commission on the Ancient and Historical Monuments of Scotland  
A O Curle as Secretary 27–29, Commissioner 36  
Inventories include Highland rural settlements & landscape surveys 486–87  
Royal Scottish Museum, Edinburgh, A O Curle as Director 30, 34, 36  
rubbers, stone 147, 153, 164–65  
quern 152, 154, 163, 164, 186
- St Andrews, Fife  
*cache* played at 521, 525  
St Salvator's College 521, 525, 526  
University 521, 525
- St Flannan's Church, Hillhead, Kirkintilloch, East Dunbartonshire, Antonine Wall site 279–84, 298, 299
- St Vigeans, Arbroath, Angus 4, 14
- Saville, Alan, struck lithic artefacts, Claish 88–90  
flints, Berryhill 225–26
- Scott, J G 59–60, 61
- Scott, Sir Walter 20, 21, 543
- The Scottish Borders *see* Roxburghshire
- scrapers, flint, Neolithic 390, 406
- seal-makers, French 446
- seal matrices, cathedral chapters 439–58  
Bergen, Norway 443–44  
Leiden, The Netherlands 451  
St Magnus, Orkney 443  
Scottish abbeys 442, 443, 453  
Trondheim 443
- seal matrix workshop 452
- seals, royal 444–45
- seaweed, as fuel 237, 248
- sedimentological analysis 178–82
- settlements, human  
enclosed curvilinear/rectilinear 362  
Highland rural studies 475–93  
Iron Age 362, 364  
prehistoric, Dunragit 372–73
- sheep, polled 412
- Shepherd, Alexandra, retires as Monograph Editor 565, 570
- Sheridan, Alison, pottery and other ceramic finds, Claish 79–88
- SHETLAND ISLANDS  
Jarlshof 34–35  
shielings & beehive huts 478–79
- Shirva, East Dunbartonshire, Antonine Wall site 271–74, 298, 299
- shrines 440, 447–50  
on seal matrices 440–43, 446–47, 450  
shrine of Ste Gertrude of Nivelles 441, 443, 447–48
- shot, lead 405
- shrouds 328
- Sinfield, L N, human remains and teeth, Thornycroft cemetery 339–42
- Skara Brae, Orkney 56
- skeletal analysis by period  
prehistoric 196, 209  
early medieval 339–41  
analyses for accidents, disease, pathological conditions, trauma  
cribra orbitalia 209  
hyperostosis frontalis interna 340–41

- Inca/Wormian bones 341  
 malformation of skeleton 340  
 possible sign of sinusitis 341  
 trauma, broken bones 340, childbirth 339–40  
 Wormian ossicles 196, 209  
*and see* dental analyses
- Skene, Alexander, Provost of St Salvator's College, St Andrews 526
- Skye, Dun Ardtreck 309
- slag, iron smelting 394, 395
- slates, roofing 399, 406, 407
- sloes 152
- Smith, C, the mammal bone, Claish 96–98
- Smith, David, insect remains, Inverness, 430–31
- Smith, James, architect 505, 507, 512, 513, 514
- Smith, Sheriff D B, the R B K Stevenson Award 570
- smithing, iron 394
- soap manufacture 397, 417
- society and status  
 cosmological structures 123–25  
 Iron Age Solway Firth, emergence of aristocratic elite 364  
 post-Roman lordships centred on forts 367  
 prestige goods economy 377
- Society of Antiquaries of Scotland  
 early 20th-century archaeological methods 19  
 Joseph Anderson as assistant Secretary 1–2, 3, 8, 9  
 sponsored Newstead excavations 22
- soil micromorphological analysis 233, 247, 249–52, 432–34
- South Leith, Edinburgh, 40–43 Water Street excavations 383–420  
 analysis of finds 400–08  
 discussion 418–20  
 King's Harbour 386, 417  
 Rotten Row/Water Street 386, 419, 420  
 Seton's Land 397  
 specialized reports 408–18  
 Wilkie's House 397–98
- Speed, Laura, illustrations 203, 303, 420
- Speller, K, illustrator 203
- Speller, K and A Leslie, Antonine Wall sites,  
 Ballaig Avenue, Bearsden 287–88, 289  
 Cadder 286–87  
 Gavinburn Bus Depot, Old Kilpatrick 293–95  
 St Flannan's church, Hillhead, Kirkintilloch 279–84
- spike, iron 399, 405
- spindle-whorl, ceramic 406
- Sprouston, Roxburghshire  
 timber structure 108–09  
 long cist cemetery 346
- Spurryhillock, Aberdeenshire 186
- Squair, R with A Jones, prehistoric pottery Chapelfield 155, 156–62
- stake-holes  
 Bronze Age rectilinear structure 319  
 Chapelfield fence slots 142–47, 149, 154, 184, 185  
 sediment analysis work 181–82
- Stell, Evelyn, Scottish instrumental music, 1603–1707, lecture summary 559–60
- Stevenson, J B, the Auchenlaich cairn 114–19
- Stevenson, Robert B K Award to Sheriff D B Smith 570
- STIRLINGSHIRE (Stirling/Falkirk)  
 Bannockburn Neolithic site 187  
 Chapelfield, Cowie 139–88  
 Falkirk, Allandale cottages 269–71, 299, 300  
 Bonyhill Rd 269, 270  
 Brewers Fayre 260  
 Mary St, Laurieston 260, 262–67, 300  
 Tamfourhill 267–68 and Lime Rd 268–69  
 Mumrills Roman fort 34  
 Throsk pottery 459–72
- stones  
 burnt, Lewisian Gneiss 235  
 cup-marked *see* cup-marks  
 deposited deliberately 145, 147  
 fire-cracked 318, 319, 325
- stone tools and objects *see* arrowhead, flint, pebbles, pitchstone, quartz, quartzite, querns, scrapers  
 tool assemblage 162–69  
 deposition 186
- stones, worked  
 dry-stone masonry 211  
 dressed 329, 346  
 flagstones 193, 195  
 round slab used as pit cover 396  
 sculptured 14–15
- Strachan, R and K Cameron, Cleddans Rd, Hardgate, West Dunbartonshire, Antonine Wall site 288–93
- strap loop, copper 405
- straw, carbonized 393
- structures, stone/mixed  
 cellular 237–42, 254–56  
 rectangular drystone 217–18  
 turf & boulder 218, 233–35
- structures, timber  
 'Balbridie' type 119–20  
 long rectangular 89–106, 130–32  
 'ephemeral oval', fence slots 142–47, 184–85, 188  
 posts in foundation cut 390, 391, 419  
 rectilinear 318–19, 325  
 ring-groove 314, 322–24, 326
- Surveyor General and overseer of the King's buildings in Scotland 503, 505
- sweat lodges 237, 253–54, 256, 325
- tablecloth, linen damask, commemorative 543–47
- Tacitus, P Cornelius, *Agricola* 305, 306, 308, 310
- tacksman, account book 482, 483
- Taliesin, Books of 358, 359, 369–70, 377
- Tamfourhill, Lime Rd, Antonine Wall site 268–69
- Tamfourhill Roman temporary camp 267–68, 301
- Taylor, K J, coarse stone tools, Chapelfield 162–69
- Taylor, M, organic residue analysis, Beaker burial 246–47
- textile processing, plaiting 340 *and see* linen
- Thomson, James of Drumsheugh, weaver 536, 538, 540, 541
- Thornbank, Midlothian 313–355  
 cemetery 237–39  
 discussion 344–50  
 graves register 350–52
- threats to archaeological sites  
 Antonine Wall interventions, summary 297–98  
 Thornbank 314

- Throsk, Stirlingshire, the Pottery c 1600–c 1800 459–73  
 apprentices 463  
 Bond and Agreement 459, 463, 467–68  
 Brick and Tile Works 466  
 distribution and sale 465  
 exploitation of peat mosses 460–61  
 other tenants 462  
 Pollocks, tile makers 464  
 potters/piggers 461–62, 467, 468–72  
 pot types 463–64  
 shipping of goods via River Forth 465, 467
- tiles  
 floor 396, 406  
 glazed 397, 406  
 produced by Pollocks of Throsk 464  
 roof 389, 399, 406–07
- tobacco pipe, clay 399, 407
- town development *see* burghs
- trade  
 imports, 386, 387  
 exports 387
- Traprain Law, East Lothian  
 excavations 20, 29–30, 31  
 publication of monograph 32  
 Treasure 20, 30–31
- trees, summary reports and tables  
 Berryhill 217  
 Chapelfield 174  
 Claish 91, 92  
 Inverness 432  
 Thornybank 319
- tribes  
 Iron Age 361  
 post-Roman 374–75  
*tuatha* in Ireland 375, 376
- Trotter, William, upholsterer 543, 546
- Trucculan Harbour (*Trucculensis Portus*) 308–11
- tub, wooden 266
- turf  
 property boundary banks 388–89, 418  
 used as fuel 432, 433, 434
- Turner, Robin, The archaeology of gardens and designed landscapes in the National Trust for Scotland, lecture summary 557–58
- Ugrulentum* 308  
 identified with *Trucculensis Portus* 311
- Ulster, Annals of 368
- Urien, King of Rheged & Coeling dynasty 359, 369–70, 375, 376, 377, 378
- Vandorpe, Patrice, plant remains, Inverness 431–32  
 vessel, copper 399, 405  
*vici*, civilian settlements 365, 374
- Wales 358, 361  
 kingdoms 362, 377  
 square-ditched barrows 348–49
- walling  
 plank 391–92, 419  
 stake type 146  
 wattle panelling 390, 419
- Walton Rogers, Penelope, analysis of *cache* ball textiles 524, 527–28
- Watson, W J 305
- weaving *see* linen
- weeds of cultivation/waste ground 94, 95, 147, 149, 152, 154, 187, 396, 415, 431
- WEST LOTHIAN (West Lothian)  
 Hopetoun House 508, 509, 511, 512, 513, 514, 515
- wheelhouses 479  
 ‘beehive dwellings’ 480
- whetstone, schist 406
- Whithorn, Wigtownshire 367, 368, 376
- WIGTOWNSHIRE (Dumfries & Galloway)  
 Dunragit 359, 372, 377  
 Whithorn 367, 368, 376
- William I the Lion (1165–1214) 427
- wooden objects  
 possible oak rack in grain-drying kiln 432, 435–36  
 tub 266
- woodland  
 exploitation 173  
 Neolithic period 95
- wood-working 148, 164
- workshop, wooden 390, 391, 419
- Worsaae, J J A 12
- yarns, used in making *cache* balls 521, 524–25, 527
- York Minster, *cache* ball 527–28