

Index

GENERAL NOTES:

1. As this volume is mainly concerned with the Roman Fort at Newcastle (i.e. the Roman phase of the excavations at Castle Garth), entries for it are not concentrated under 'Newcastle Roman Fort' but spread throughout the index. Unless otherwise stated, all places or features referred to (e.g. East Granary, ditches, hearths) are at Newcastle Roman Fort, and are of Roman date. Unless otherwise stated, all finds and objects referred to (e.g. amphorae, coins, plaster) are from Newcastle Roman Fort, and are Roman in date and in type (as opposed to Romano-British Native). In cases of possible ambiguity, the letters 'NRF' are added (see abbreviations, below).
2. Abbreviations:
 - * indicates that the reference is to a detailed description, usually in a finds catalogue
 - + the reference is to Roman forts generally
 - ‡ the range of pages referred to (e.g. ‡49–55) does not deal with the topic throughout, but contains frequent mentions of it (too many to list separately)
 - AS Anglo-Saxon
 - Bd includes bird remains
 - Bw Berwickshire (see note 3)
 - C century (C2 = 2nd century, C3 = 3rd century, C4 = 4th century)
 - c.* *circa*
 - Cu Cumberland (see note 3)
 - Dm County Durham (see note 3)
 - F includes fish remains
 - incl. including
 - Med Medieval period (*c.* 1100–1500)
 - Nc Newcastle upon Tyne (see note 3)
 - Nd Northumberland (see note 3)
 - NE England North East England
 - NRF Newcastle Roman Fort
 - post-Rm ('post-Roman') (see note 4)
 - post-Rm/N ('post-Roman/New') (see note 4)
 - RF Roman fort
 - Rm Roman/Roman period/Roman military or civil site
 - Rx Roxburghshire (see note 3)
3. Local government divisions and names. The index uses the historical ('traditional') counties and boroughs (i.e. large towns) of Great Britain, within the boundaries they had about 1960. 'Newcastle', means 'Newcastle upon Tyne'.
4. Features, activity, etc., dating to after the end of the Roman occupation are marked with the abbreviation 'post-Rm'. This usually denotes the post-Roman phase in the history of a feature (etc.) which was first created during the Roman occupation. The abbreviation 'post-Rm/N' ('post-Roman/New') refers to features, activity, etc., which did not come into existence until after the end of the Roman occupation.

A

Abandonment of NRF, *see under* Chronology of NRF.

Aedes, *see under* Principia, NRF.

Agriculture, pre-fort, 15–17, 22
see also Ardmarks.

Allason-Jones, Lindsay, report on small finds, *211–32

Altars:

see also: Inscriptions; Sculpture; Stone objects.
Newcastle:

found near NRF, 5, 7

from river Tyne, to Neptune and Oceanus, significance of, 260

NRF, *134

Amphorae (Rm pottery), incl. stamps, *150–1

see also Pottery.

by date of deposition:

C3–C4, 87

C4 (later), 54, 91

Anglo-Saxon occupation of NRF site, *see under* Chronology of NRF.

Animal remains, 14, 71, 72 (F), 91, 102, 115 (Bd), 117, 120, 125, 241–2 (F)

for objects made of bone, antler, etc., *see* Bone objects.

see also Human remains.

Antler, objects made from, *see under* Bone objects.

Antonine Wall, small forts on, 262

Apollo? on intaglio, 226

Ardmarks, pre-fort, excavation of, described, 15–17
see also Agriculture.

Area of NRF, *see* Size of NRF.

Army, Roman, *see* Roman Army.

B

Bad Canstatt RF (Germany), fort wall at, 264

Barracks, NRF:

possible size, discussed, 271–2

suggested layout, 273

BB2 (Black-Burnished Ware 2), dating significance of, 169, 253

Bearsden RF (Dunbartonshire), 271

Beckfoot RF (Cu), granaries, small size, 269, 270

Beilby, Ralph (?1743–1817), 261

Benwell RF (Nc), 259, 271

possible Rm road near, 259

praetorium, 269

Bewcastle RF (Cu), 254

Bidwell, Paul T.:

(with Alex. T. Croom) reports on:

architectural stonework, *135–6

pottery, *151–72

(with Margaret E. Snape):

on *Excavations at Castle Garth, Newcastle upon Tyne*, . . . , 1–249

on *The history and setting of the Roman Fort at Newcastle*, 251–83

Birdoswald RF (Cu):

granaries, normal size, 270

few coins from street excavations, 277

workshop at, 271

Bone Objects (including antler), *221–5

This heading is for worked objects in bone. For bones generally, *see* Animal remains and Human remains.

by date of deposition:

pre-fort activity, 81

C3 (earlier), 84, 104

C3–C4, 94

C4 (earlier), 43, 51, 52

C4 (later), 38, 40, 54, 55, 66, 91

post-Rm/AS, 115, 116, 125

Bone Objects, Med (antler), *232

Brand, Rev. John (1744–1806), 261

Brick, NRF, 136

see also Tiles (ceramic/clay)

Brickstock, Richard J., report on coins, *175–209

(with David B. Dungworth) report on EDXRF analyses of coins, 183–5

Bridge Hotel, excavations at (1995–1996), 2, 5, 253
described, 107–10

Brooch, trumpet, copper alloy, from West Granary, *211–2

Brough-on-Noe RF (Derbyshire), 262

Building I, 254, 275

excavation of, described, 81, 86, 89, 90, 91

post-Rm, 117, 119, 120

Building II, 9, 254, 271, 273

excavation of, described, 81–7

post-Rm, 119

Building III, 9, 271, 273

excavation of, described, 87, 89–90, 91

post-Rm, 117, 119, 120

Building IV, 9, 271, 275

excavation of, described, 87–9, 91

post-Rm, 117, 119, 120

Buildings in the north-east area, NRF, *see* North-eastern buildings, NRF, and Buildings I–IV.

Burgh-by-Sands RF (Cu), 251

garrison of, 264

Butzbach RF (Germany), schola at, 268

C

Caernarvon RF, 269, 270

granaries, normal size, 270

schola at, 268

Cannel coal, *see under* Jet and Shale, etc.

Cappuck RF (Rx; NT 6920), granaries, small size, 269

Carlisle RF, 259, 262

fort wall at, 264

late occupation, coin evidence, 280

Carrawburgh RF (Nd), 251, 263

size compared with NRF, 254

Carvoran RF (Nd), 251

Cat bones, from ruins of *principia*, NRF, 115

Catterick RF (YNR), coin finds compared with NRF, 181

Cemetery, Rm, NRF, evidence of, 5–7

Ceramic objects, NRF, *136–7, *230, *231–2
see also Pottery, and Tiles (ceramic/clay).

by date of deposition: C4 (later), 91

Chard, Margaret, *see* Ellison, Margaret.

Chester RF, possible market hall in, 277

Chester-le-Street RF (Dm), 260

coin finds compared with NRF, 182

Chesters RF (Nd):

granaries, 269–70

small size, 269, 270

praetorium, 269

Chimney pots, *see under* Ceramic objects.

CHRONOLOGY OF NRF:

general survey/discussion, 251–4, 262–4, 273–80

summaries:

general, 7–9

individual features/areas, 15, 25–7, 41, 49, 57, 67–8, 77, 99, 102–3, 107, 111

pre-fort activity, 7, 15–28, 41, 57–9, 77–81, 99, 103

dating evidence, pottery, 145, 148

excavation of features, described, 15–24

construction of fort (c. 200), and its primary form,

7, 28–33, 41–3, 49, 59–62, 67–70, 81–3, 93, 99–100, 107–8, 251–6

date of construction, 253

coin evidence, 180–1, 253

pottery evidence, 148, 166–8, 181, 253

plan, 10, 252

C3 (earlier), 9, 33–4, 83–6, 100, 103–4, 107–8, 273–5

C3 (later, and into C4), 9, 26, 34–7, 70–2, 84–90, 93–4, 100, 104–5, 108–10, 273–5
plan, 11

C4 (earlier), 9, 26, 37, 41, 43–4, 49–52, 94–7, 100–2, 103–5, 110
plan, 12

C4 (later), 9, 26–7, 37–40, 44–7, 52–5, 62–6, 91–2, 94–7, 102, 103–5, 110, 275–80
plan, 13

abandonment (c. 400), 280

coin dating evidence, 182–3

post-Rm and/or early AS, 9, 27, 41, 47, 55, 57, 66, 111–27, 280

early AS (before c. 700), 7, 9, 47, 48, 57, 77, 87, ‡111–27, 111–9, 125–7, 254

Clay objects, NRF, *231

by date of deposition:

pre-fort activity, 24

C3 (earlier), 104

C3–C4, 90

Cohors I Cornoviorum, later NRF garrison, 7, 263, 264

Cohors I Flavia Cilicum, 265

Cohors I Nervana Germanorum, 264

Cohors I Thracum, possible NRF garrison, 264

Cohors I Ulpia Traiana Cugernorum civium

Romanum, NRF garrison (early C3), 7, ‡262–4, 273

Cohors V Gallorum, 264

COINS:

general remarks and discussion, 175–85

alloy/metal composition, 183–4

by date of deposition:

C3–C4, 87, 90, 100:

C4 (not closely dated), 110

C4 (earlier), 26, 37, 43, 46, 102

C4 (later), 27, 37, 38, 40, 53, 54–5, 91, 95–7, 102

post-Rm/AS, 117, 119, 122

by date of manufacture:

to early C3, 180–1

C3–C4, 181–2

C4, large quantity, 181–2

late C4, 182–3

catalogue:

before Septimius Severus (to 193), *186–7
Septimius Severus to Constantine (193–306), *187–94

House of Constantine (306–348), *185, *194–201, *203–7

COINS, catalogue (cont.):

House of Constantine (348–364), *200,
*201–3, *207

Houses of Valentinian and Theodosius
(364–402), *207–9

counterfeits, 180–1

characteristics and general discussion, 179
alloy/metal composition, 179, 181, 183–5
date of, 179, 181
manufacturing techniques, 184–5

dating evidence from, 180–3, 253

EDXRF analyses of metals, 179, 180–1, 183–5
disadvantages, 181
method, 183

hoard (from East Granary), 68, 70, 71, 178–80,
253

market, coin evidence for (C4), 275–9

Combs, bone, Rm & AS, method of construction,
221–2

Commanding officer's house, NRF, *see Praetorium*,
NRF.

Commercial importance of NRF (C4), 277

Construction of NRF, *see under* Chronology of NRF.

Construction debris, pre-fort, 15, 17–20

Context of NRF, *see* Setting of NRF.

Copper Alloy finds, *211–9**by date of deposition:**

not closely dated, 104
pre-fort activity, 23
construction of fort (c. 200), 62, 77
C3 (earlier), 104
C3–C4, 87
C4 (earlier), 52
C4 (later), 40, 54, 55, 97
post-Rm/AS, 114, 115, 120, 122, 125

Corbridge RF (Nd), 256, 257, 259, 268

coin finds compared with NRF, 181, 183
controlling river crossing, 259
fort wall at, 264
principia, 270
principia, without forecourt, 265
small granary?, 270
street plan, 265

Counterscarp bank, post-Rm/N, 111, 122, 125, 127

Croom, Alex. T., reports on finds from NRF:

additional ceramic finds, *232
Bridge Hotel excavation finds, *232, *237
graffiti on pottery, *173
metalworking debris, *232–3

painted plaster, *136–7

sculpture, *129–31

tile and brick, *136–7

(with Paul T. Bidwell) reports on:

architectural stonework, *135–6

pottery, *151–72

Croy Hill RF (Dunbartonshire), granaries, small size,
269

D

Daniell, John R.G., and Jacqueline P. Huntley,
report on charred plant remains, *239–43

Dating evidence, general:

see also Abandonment and Construction, *under*
Chronology of NRF.

coins, 180–3, 253

plant remains, 239

pottery, 145–8, 151, 166–72

small finds, 211

Defences, post-Rm/N, NRF, 111, 122, 125

Dere Street (Roman road), 256, 257, 260, 261

date of, 256

main route into NE England, 256

Devil's Causeway (Roman road, Nd), 256, 257, 260

Dickinson, Brenda, report on Samian pottery, and
potters' stamps, *139–48

Ditches & gullies:

see also Drains.

fort ditch, 254

post-Rm/N, 111, 122–5, 127, 254

pre-fort, 7, 15, 25, 41, 49, 50, 57, 73, 77, 80, 83,
99, 103

excavation of, described, 20–3

infilling, 22–3

interpretation, 20–2

Dodecahedra, copper alloy:

distribution, 68, 215

purpose discussed, 215

Dodecahedron, copper alloy, 68, 72, 211, *214, *215

ritual deposition of, 68

Doors, Rm, mounting of, 267–8

Drains (incl. street drains and eavesdrip gullies, etc.):

9, 46, ‡49–55, ‡81–3, ‡86–96, ‡99–102, 275

post-Rm, 120

post-Rm/N, 9, 41, 47, 57, 61, 66, 111–4, 124

Drobeta RF (Romania), 262

Drumburgh RF (Cu), 251

fort wall at, 264

size compared with NRF, 254

Dungworth, David B., and Richard J. Brickstock,
report on EDXRF analyses of coins, 183–5

Durham (County), Rm period, *see under* North East England.

E

East Granary, 9, 49, 253, 275

see also Granaries and West Granary.

change of use (later C3 onwards), 70–2

coin evidence for construction date, 178–9, 180

conjectural plan of, 73, 75

discussion, *see under* Granaries.

excavation of, described, 67–75

post-Rm, 116–7

history/narrative:

detailed, 68–75

summary, 67–8

Ebchester RF (Dm), 256

EDXRF analyses, *see under* Coins.

Eining RF (Germany), 268, 269

Ellison, Margaret [Margaret Chard], directs

excavations at the Castle, Nc, 1, 253

Elstob (Dm), possible RF at, 257

Enclosure?, AS, 125–7

Excavation trenches, location & date, plan, 8

Excavations, Rm, near NRF, before 1976, 5, 7

Extent of NRF, *see* Size of NRF.

Extra-mural area, NRF, 5, 9

see also Northern defences, NRF.

excavation of, described, 102–5

post-Rm, 122–5

F

Fence?, AS, 117–9

Foodstuffs identified, 77, 241–2

Fort plan, NRF, *see* Plan, layout & buildings of NRF.

Fort plans +, *see under* Roman Forts.

Fort wall, NRF:

north wall, 5, 9, ‡99–102, 103, 108, 253, 254, 264, 271, 272

post-Rm, 111, 120–2

width, 99

south wall, 107, 108, 272

west wall, 273

Fort, Roman, *see* Roman Forts.

G

Garrison, NRF, *see* Units (Roman Army) in occupation, NRF.

Gateshead:

Bottle Bank, Rm remains at, 257, 277

possible RF at, 251, 256, 257, 259, 260, 262, 263, 264

Gelligaer RF (Glamorgan), *via principalis* at, 272

Glass (small finds, incl. 1 AS bead), *223, *225–6

by date of deposition:

C3–C4, 86, 87

C4 (earlier), 52

post-Rm, 117

Graffiti:

on lead objects, *219–20

on pottery, *173, *231

Granaries +, twin, fire precaution?, 270–1

Granaries, NRF, 5

see also East Granary and West Granary.

buttresses, layout, 73

conjectural plans of, 73–5

differences between, 57

granaries compared, 57, ‡67–75

discussion of, 269–71

significance of, 270

siting of, 271, 272, 273

small size of, 254, 269

Granaries, South Shields RF, 73

Great Chesters RF (Nd), size compared with NRF, 254

Ground levelling, ‡99–100, ‡103–4, 126

pre-fort, 22–4, 57

Gullies, *see* Drains and Ditches & gullies.

H

HADRIAN'S WALL

Individual Wall forts are listed under their own names (e.g. Chesters RF), in the main sequence of the index.

Hadrian's Wall, 1: General and miscellaneous:

building of, effect on region, 259–60

Denton (Nc), the Wall at, 17

ditch, Nc centre, 261

Military Way, 254

Newcastle:

centre, Wall line through, 5, 103, 260–2

original starting point, 1

possible layout of a Nc terminus, 262

Wallsend to Newcastle, 262

probably a later extension, 261

Hadrian's Wall, 2: Milecastles, Westgate Rd. MC, 254, 261, 262

Hadrian's Wall, 3: Turrets, possible turret, head of Side, 254, 262

Hadrian's Wall, 4: Vallum:

at Benwell RF, 259

in Nc, 264

HADRIAN'S WALL (cont.):**Hadrian's Wall, 5: Curtain wall:**

- Broad Wall, 261
- Intermediate Wall, 264
- Narrow Wall, 261

Halton Chesters RF (Nd), 259, 270

- granaries, normal size, 270

Harbottle, Barbara [R.B. Harbottle], directs excavations at the Castle, Nc, 1, 253

Hartley, Kay F., report on mortaria and mortarium stamps, *148–50

Headquarters building, NRF, *see Principia*, NRF.

Hearths, 43–4, 77, ‡79–87, 91, 103, 240, 271
 metalworking/industrial, 9, 101, 103, 104
 post-Rm/N, 124
 pre-fort, 7, 25, 28, 77, 83, 239
 trench hearths, 47, 57, 59, 65, 77, 79–80
 corn-drying?, 80
 temporary nature, 77

Heslop, David H., report on querns, *235–7

High Rochester RF (Nd), 268, 269
 abandoned (early C4), 264
 granaries, normal size, 270

History of NRF, 251–4, 262–4, 273–80
see also Chronology of NRF.

Hod Hill RF (Dorset), 271

Housesteads RF (Nd), 251, 270
 coin finds compared with NRF, 182
 granaries, normal size, 270
praetorium, 269

Human remains, 94, 111, ‡114–9, 125, 254
see also Animal remains.

Huntley, Jacqueline P., and John R.G. Daniell, report on charred plant remains, *239–43

Hypocausts +, 268

Hypocausts, NRF, 9, 266, 267, 268, 269, 273
praetorium, 41, 43, 44, 46, 47, 111, 112
principia, 26, 31, 33, 34, 35

I

Industrial activity, NRF, 9, 57, 65, 86, 104, 271
see also Metalworking.

Inscriptions:

- for altars with inscriptions, *see* Altars.
- see also* Stone objects.
- on lead objects, *219
- to Julia Domna, 26, 27, 38, 40, *133–4, 181

Intaglio, carnelian, 90, *226

Intervallum street:

- northern, 5, 81, 90, 101
- post-Rm, 120
- southern, ‡107–10, 254, 271, 273

Iron finds, 178, *219–20
 by date of deposition: C3–C4, 34

J

Jet and Shale, etc. (incl. cannel coal), *226–9

- by date of deposition:
- pre-fort activity, 20
- C4 (later), 97
- post-Rm/AS, 120, 122

Julia Domna, *Roman Empress, wife of Septimius Severus*, inscription of, 7, 26, 27, 38, 40, *133–4, 166, 181, 253, 263, 264

L

Lanchester RF (Dm), granaries, normal size, 270
 Landslip, post-Rm/N, 5, 103–4, 124, 125, 127
see also Subsidence.

Latrus RF (Bulgaria), principia, with forecourt, 265
 Layout of NRF, *see* Plan, layout & buildings of NRF.

Lead finds, *219–21
 with graffiti, *219–20

by date of deposition:

- pre-fort activity, 17, 23, 81
- construction of fort (c. 200), 100
- C3 (earlier), 104
- C4 (earlier), 102
- C4 (later), 37, 40, 54, 55, 66, 102
- post-Rm/AS, 122

Learchild RF (Nd), 257, 260

Legio VI Victrix, 260, 269

Levelling of site, *see* Ground levelling.

Loading bays:

- East Granary, 57, 62, 68, 70, 72, 73
- post-Rm, 116–7
- West Granary, 57, 62, 73

Location of NRF established, 251–3

M

McMaster, Andy:

- contributor to *Buildings in the North-East Area*, 77–92
- on *The East Granary*, 67–75

Manufacturing, *see* Industrial activity, NRF.

‘Margary 806’ (Roman road), 256–9, 260
 date built, discussed, 256–9

Market, inside NRF (C4), 9, 275–80

- coin evidence, 275–9
- pottery evidence, 280

Melon beads, glass:

- distribution, 226
- talismanic role?, 226

Mercury:
 on intaglio?, 226
 relief of (stone), *129–30
 Metalling, streets, etc., 9, 44, ‡49–55, ‡77–97, 99,
 102, ‡107–14, 117, 119, ‡272–7
 Metalworking (unknown metal), 9, 28, 59, ‡101–4,
 271
 see also Industrial activity.
 debris/slag, 28, *232–3
 Military ceremonies, *see under* Roman Army.
**Mortaria (Rm pottery), incl. stamps, *148–150, *164,
 *165**
 see also Pottery.
 by date of deposition:
 pre-fort activity, 23, 83
 construction of fort (c. 200), 100
 C3 (earlier), 104
 C3–C4, 87, 105
 C4 (earlier), 37, 102
 C4 (later), 53, 54

N

Neptune, altar to, Nc, significance of, 260
 Nether Denton RF (Cu), 259

Newcastle:
 Castle and Castle Garth, 1
 Anglo-Saxon cemetery, position of, 254
 medieval development of, 254
 excavations (1929), 5, 266–8
 excavations (1976–1992), directors of, 1
 (1960's & 1970's), 5
 Castle Stairs, Rm deposits at, 5
 Clavering Place, 264
 Dean Street, 5
 Dog Leap Stairs, 103
 Lort Burn, and site of NRF, 5
 Roman finds & excavations before 1976, 5, 7
 Side, 5, 103, 127
 Hadrian's Wall on line of?, 261
 Whitefriars (Carmelite Friary), 264

Nolan, John, directs excavations at the Castle, Nc, 1,
 253
 North East England, Roman military geography of,
 256–60
 before Hadrian's Wall, 257–9
 C2–C3, 260
 effect of Hadrian's Wall on, 259–60

North-eastern buildings, NRF, 5, 9, 253
 see also Buildings I–IV.
 discussion, 271
 excavation of, described, 77–92
 post-Rm, 117–20

 rebuilding (C3–C4), 264
 workshops?, 271

North wall, NRF, *see under* Fort wall, NRF.
 Northern defences, NRF
 see also Extra-mural area, NRF.
 excavation of, described, 99–102
 post-Rm, 120–2
 Northumberland, Rm period, *see under* North East
 England.
Notitia Dignitatum, evidence from, 7, 251, 263–4
 probably accurate, 264
 Numbering system used in excavation report, 9–14
Numerus barcariorum Tigrisiensium, 264
Numerus Maurorum Aurelianosorum, 264

O

Oceanus, altar to, Nc, significance of, 260
 Olive oil imports, from southern Spain, 150–1
Opus signinum, 34, ‡41–7, ‡71–2, 136, 267
 Oram, Roger, on *Excavations At The Bridge Hotel*,
 1995–6, 107–10

P

Palettes, slate, uses of, 229
 Palmyra RF (Syria):
 principia, with forecourt, 265
 street plan, cruciform, 265
 Paving, late Rm, 127
 Paving, post-Rm/N, 103, 104, 120–5, 126
 Paving 1, 120–5
 Paving 2, 122–5
 Picktree (Dm), possible RF at, 257

Plan, layout & buildings of NRF, 264–73
 discussed, 253–4, 272–3
 importance of, 263
 reconstruction, 273–4
 reflecting army needs, 268–73

Plans +, *see under* Roman Forts.
 Plant and Botanical Remains, 68, 72, 77, 79, 80,
 *239–43
 Plaster (building material), *136–7
 Ploughing, pre-Roman, *see* Ardmarks.
Pons Aelius, the bridge (Nc), 1, 5, 259–60, 261
 monument to Hadrian?, 260
 significance of name, 259
Pons Aelius, the bridge (Rome), 260
Pons Aelius, the name, 251
 Portchester RF, (Hants.), few coins from street
 excavations, 277
 Position of NRF, *see* Location of NRF, Site of NRF,
 and Siting of NRF.
 Post trenches, Extra-mural area, NRF, 103, 104

Postholes, 22, 23, 59

AS, 77, 117–9, 127

East Granary, 70, 72, 116

Extra-mural area, NRF, 103, 104, 105

North-eastern buildings, 77, 81, 83, 86, 87, 89, 90, 91, 117, 119

Northern defences, NRF, 99, 100, 102, 104, 120–2

principia, NRF, 25, 28, 30, 31, 37, 40'*via principalis*', NRF, 51**Potters' stamps:**

on amphorae, *151

on mortaria, *149–50

on Samian ware, *142–4

POTTERY*see also* Ceramic objects; Clay objects *and* Tiles (ceramic/clay).**Pottery, general:**

discussion, 165–72

C2, 166–9

C3–early C4, 169

C4 (later), 171–2

Local Traditional Ware, 168, 169–70

non-Roman in date:

AS, *162–3

Med (disc), *232

sources, same as South Shields RF & Wallsend RF, 166

Pottery (Samian):

catalogue, *139–42

graffiti on, *173, *231

stamps, *142–4

summary/discussion/sources, *145–8

by date of deposition:

not closely dated, 103

pre-fort activity, 23, 80

construction of fort (c. 200), 33, 83, 93

C3 (earlier), 84, 104

C3–C4, 37, 94

C4 (earlier), 37, 44

C4 (later), 65

Pottery (non-Samian & coarseware):amphorae *and* mortaria are listed separately in the main sequence of the index.

graffiti on, *173

fabric catalogue, with examples, *151–4

finds catalogue, *154–65

by date of deposition:

not closely dated, 86, (C4?) 110

pre-fort activity, 17, 23, 24, 28, 80–1, 99

construction of fort (c. 200), 33, 43, 49, 62, 83, 93, 100

C3 (earlier), 84, 100, 104, 108

C3–C4, 35, 37, 72, 86–7, 90, 93, 104, 105, 109–10

C4 (earlier), 37, 43, 44, 102

C4 (later), 37, 38, 40, 46, 54, 65, 91, 102

post-Rm, 124

Pottery (Local Traditional Ware), 168, 169–70**by date of deposition:**

C3–C4, 72

C4 (earlier), 50

C4 (later), 95, 102

Pottery (unspecified type), 25, 26**by date of deposition:**

pre-fort activity, 22

C3–C4, 71–2

C4 (earlier), 52

C4 (later), 26, 53, 54

Praetoria +, 265, 269*Praetorium*, NRF, 5, 9, 25, 50, ‡111–5, 253, 273, 275

discussion, 269

excavation of, described, 41–7

history/narrative:

detailed, 41–7

summary, 41

rebuilding (C3–C4)

Principia +, 263, 264–5, 268, 273

ceremonial use, 265, 280

forecourts, function, 265

significance of, 280

sizes, 265

with forecourts, 265

without forecourts, 265

Principia, NRF, 5, 9, ‡50–3, 62, 112, 253, ‡268–73*aedes*, 31, 38

position of, 25

alterations (C4), 280

briefly restored to use (C4), 9, 280

change of function (C4), 280

coin concentration in front of (C4), 275, 277

coin dating evidence, 26–7

date of construction, 25–6

discussion, 264–5

excavation of, described, 25–40

post-Rm, 114–6

history/narrative:

detailed, 27–40

post-Rm, 114–6

summary, 25–7

***Principia*, NRF (cont.):**

- new floor (end C4), 280
- north wall, 275, 280
- out of use (C4), 280
- plan of, 25
- small size, 254, 265, 269
- stone-built, 25
- streets in front of:
 - ceremonial use, 265, 273
 - commercial use (C4), 280
- strong room, ‡25–30, 31–3, 35, 37
 - post-Rm, 115–6
 - primary, 26
- structures behind, 25, 33–4
 - discussed, 266–9
 - schola?*, 9, 33, 268–9, 275

Q

Querns, NRF, *235–7

R

- Reconstruction of plan of NRF, *see* Plan [etc.] of NRF, reconstruction.
- Recording conventions used in excavation report, 9, 13–4
- Rigg and furrow cultivation, Rm:
 - Nd and the Borders, 17
 - NRF, pre-fort, 15, 17
- Risingham RF (Nd):
 - abandoned (early C4), 264
 - principia*, without forecourt?, 265
- River-crossings, with RFs, 257–9, 262

Roman Army:

- see also* Units (Roman Army) in occupation, NRF.
- ceremonies, 280
 - influence on fort plans, 265
- changes in dispositions, NE England (late C3 – early C4), 264
- changes in units at forts (c. 180), 253
- NRF, fort plan reflecting army needs, 268–73
- reduction in unit-strength (C3), 262, 263, 270, 272
- size of centuries, 272
- small equipment, some manufactured locally, 104, 211, 217, 231

Roman Forts:

- changes in plan (late C2–C3), 262
- changes in plan (C3), 263
- design and function changing (late C3), 254
- Hadrian's Wall zone, changes in plan (C3), details, 263

- new fort plan, C3 onwards, 265, 273
- NRF compared with (size, etc.), 253–4, 264, 265, 268, 269–70, 271–2, 277
- small forts, 262–3

Roman Roads:

- Individual named roads (e.g. Dere Street, Stanegate) are listed separately, under their names.
- NE England, development of network, 256–9, 260
- road from south, via Wrekenton, *see* 'Margary 806'.
- road, northwards from Nc?, 254, 257

Rudchester RF (Nd), 264

S

- Samian ware, *see* Pottery (Samian).
- Schola*, NRF, *see under principia*, NRF.
- Scholae* + , purpose, 268–9
- Sculpture, stone, *129–31
 - see also* Altars; Inscriptions; Intaglio; Jet and shale, etc.; Querns; Stone and stone construction *and* Stone objects.
- Seal boxes, copper alloy, use of, 214
- Setting of NRF, 254–62
 - see also* Site of NRF *and* Siting of NRF.
- Severus, Septimius, *Roman Emperor* (193–211), campaigns in Scotland, 253
- Shale, *see* Jet, shale, etc.
- Shape of NRF, 272–3
- Simpson, F. Gerald (1882–1955), and NRF, 26, 28, ‡31–4, 46, ‡251–4, 261, 273
 - 1929 discoveries, 5, 25, 70, 266–8, 275
- Site of NRF, 5
 - plan, 6, 255
- Siting of NRF, unorthodox, discussed, 254–6
- Size of NRF (small), discussed, 253–4, 262–3, 272–3
- Sleeper walls, in granaries, NRF, ‡57–75
- Small finds, NRF, general characteristics, 211
- Snape, Margaret E., and Paul T. Bidwell:
 - on *Excavations at Castle Garth, Newcastle upon Tyne*, . . . , 1–249
 - on *The history and setting of the Roman Fort at Newcastle*, 251–83
- South Shields RF**, 251, ‡256–63, 271, 280
 - barracks, 273
 - later barracks small, 271, 272
 - change of garrison (c. 300), 264
 - coin finds, 181, 182, 183
 - few from streets, 277
 - communications with, 253
 - date established, discussed, 256–7

South Shields RF (cont.):

- granaries, 269
- late occupation, coin evidence, 280
- need for, 257
- pottery finds, ‡166–171
- praetorium*, 269
- principia*, 280
 - C3, normal size, 265
 - C3, without forecourt, 265
 - C3/C4, with forecourt, 265
 - church built in, 280
- rebuilt (c. 200), 253
- road access to, 256
- street reserved for ceremonial use?, 265
- trench hearths at, 59
- workshop at, 271

South wall, NRF, *see under* Fort wall, NRF.

Southern defences, NRF, 253

Stakeholes, *see under* Postholes.

Stamps, potters', *see* Potters' Stamps.

Stanegate (Roman road, Cu/Nd), eastern extension?, 257–9

Stanwix RF (Cu), 262

Stone and stone construction, NRF, *135–6
principia, NRF, 25

Stone Objects, NRF, *227, *229–31

- This heading is for worked objects in stone. For building stone, *see* Stone and stone construction.
- see also* Altars; Inscriptions; Intaglio; Jet and shale, etc.; Querns and Sculpture, stone.

by date of deposition:

- construction of fort (c. 200), 100
- C4 (earlier), 102
- C4 (later), 97, 102
- post-Rm/AS, 125

Strategic/tactical function of NRF, discussed, 254–6

Street metallurgy, *see* Metallurgy, streets, etc.

Street plan of NRF, *see under* Plan, layout & buildings of NRF.

Street plans +:

- see also under* Roman Forts.
- conventional, 265
- cruciform, 263, 265
- 'T' shaped, 265
- unconventional, 265

Streets, minor, NRF:

- see also* *Intervallum* street.
- near 'via principalis', etc., ‡49–55, 273
see also *Via praetoria*, and 'Via principalis'.
excavation of, described, 49–55

near North-eastern buildings, 77, 81, 83, 89, 90, 271

see also North-eastern buildings, NRF.

excavation of, described, 81, ‡87–90

near Northern defences:

see also Northern defences, NRF.

excavation of, described, 99–102

coin evidence for, 99

Subsidence, 19, ‡25–8, 33, 37, ‡49–52, 57, 61, 66, 68, 73, 83, 91, 94

see also Landslip.

T

Tags, lead, purpose?, 219

Thatching, heather, possibility of, 242

Tiles (ceramic/clay), NRF, *136

Timber construction, 70, 72, ‡101–9
post-Rm, 117–9

Topography, NRF site, pre-fort, 5–7

Trade, at forts, *see under* Market and Vici.

Transdrobeta RF (Serbia), 262

Trench hearths, *see under* Hearths.

Trenches, *see* Excavation trenches.

Troesmis RF (Bulgaria), *principia*, without forecourt, 265

Trumpet brooch, *see* Brooch, trumpet.

Tyne, River:

and site of NRF, 5

importance for shipping and supplies, 257

U

Units (Roman Army) in occupation, NRF, 7, 263–4

see also *Cohors I Cornoviorum*, *Cohors I*

Thracum, and *Cohors I Ulpia Traiana*

Cugernorum civium Romanum.

changed late C3 - early C4?, 264

discussed, 263–4

Usk RF (Monmouthshire), market in, coin evidence, 277

V

Via praetoria, NRF, 5, 9, 25, 52, 57, 62, 68, 70, 77, 81, 87, 89, 119, 124, 254, ‡269–73, 280

see also *Viae praetoriae* +.

discussion, 265

coin concentration on (C4), 95–7, 275

north end, excavation of, described, 93–7

south end, excavation of, described, 49–55

Via praetoria 1, 49, 93

Via praetoria 2, 50, 51, 93–4

Via praetoria 3/4, 94–7

Via praetoria 4, 53

'Via principalis', NRF, 25, 41, 44, 46, 57, 95, 111, 112, 115, 269, 271
see also *Viae principales* + .
 coins deposited on (C4), 275
 discussion, 272
 excavation of, described, 49–55
 position of, 272
 'Via principalis' 1, 49
 'Via principalis' 2, 49–51, 53–4, 275
 dating evidence, 50–1
 'Via principalis' 3, 51–2, 54, 275
 'Via principalis' 4, 52–3, 54–5, 275

Viae praetoriae + , discussion, with comparisons, 265
see also *Via praetoria*, NRF.

Viae principales + , 25, 270
see also 'Via principalis', NRF.
 discussion, with comparisons, 265, 272–3
 position of, 272

Vici outside forts, abandoned (later C3), 277

Vicus, NRF, evidence of, 5–7, 277

Vindolanda RF (Nd), 251, 259, 262, 263
praetorium, 269
principia, 270
 C3, normal size, 265
 small granary?, 270
 small later barracks, 271, 272

Vindonissa RF (Switzerland), market in, written evidence, 277

W

Wall (Fort Wall), NRF, *see* Fort wall, NRF.

Wallsend RF, 251, 259, 263, 270, 271, 280
 abandonment of *vicus* (C3), 277
 coin finds, 182
 granaries at, 61
 normal size, 270
 late occupation, coin evidence, 280
 market in (C4), coin evidence, 277
 pottery finds, 166–169
praetorium, 269
principia, 280
 workshop at, 271

Washing Wells RF (Whickham, Dm), 256, 259

Water tank, post-Rm/N, 57, 111–4

Weissenburg RF (Germany), *schola* at, 268

West Granary, 9, 19, 50, 52, 111, 112
see also East Granary and Granaries.
 change of use (later C4), 62–6
 conjectural plan of, 73–4
 discussion, *see under* Granaries.
 excavation of, described, 57–66
 history/narrative:
 detailed, 57–66
 summary, 57
 pre-fort, 57

West wall, NRF, *see under* Fort wall, NRF.

Wiesbaden RF (Germany), *via principalis* at, 272

Williams, David F., report on amphorae, *150–1

Wine imports, from Italy and France, 151

Workshops?, NRF, 271

Wrekendike (Roman road, Dm), 256–7, 259, 260

Wrekenton (Dm), possible RF at, 257
 road from south, via, *see* 'Margary 806'.