

Index

Note: *Italic entries indicate major discussion of a topic.*

- Aachen (Aix-la-Chapelle),
capitularies, 138, 142, 150
account, monies of, 253 n. 10,
263 and n. 4, 266; pound,
148; local, 263
accounting systems, 253 n. 10; of
Andrew Halyburton, 263
Ælfred the Great, king of
Wessex, abandonment of
periodic recoinage, 153–60
Æthelbearht, king of Wessex,
153, 154
Æthelred I, king of Wessex, 153,
154, 304
Æthelred II, 209
Æthelwulf, king of Wessex, 153,
154, 156
Æthered, archbishop of
Canterbury, 154, 155
Africa, 98–100
Agen, mint of, 140
Aistulf, Lombard king, 129
Albrecht, Günther, 163, 167
Alexander III, king of Scotland:
sterlings imitated, 307, 308,
309, 319 n. 46; sterlings, 321
pl. 19 nos. 5, 7, 12, 17
Alexander the Great, 13, 16 n. 1
alloy, 5
in mint production, 235,
241–2, 248
of Carolingian gold coins, 133;
deniers, 143, 149
of Merovingian silver coins,
113–24
Alost, mint of, 308, 314, 320 n.
49
Altanitis, Cornelius, 265
Alyattes, king of Lydia, 6
Amadeus III, count of Savoy,
176 n. 14
Anastasius, emperor, 105 n. 20
angel, 269, 270–1, 293;
half-angel, 269, 270
Anglo-Saxon coinage, 9 n. 26;
Ælfred the Great and
recoinages, 153–7; finds in
Schleswig-Holstein, 205,
206–11; *see also* ‘*sceattas*’
Ansedert/Austrebert, Patrician of
Provence, 114
Antioch, mint of, 38 n. 9, 76, 80
antoninianus, 66, 70–3 *passim*,
97, 103 nn. 4, 5
Antoninus Pius, emperor, 107 pl.
10 no. 14
Antony, Mark, 24, 30, 31
and Cleopatra, Cyrenaican
bronze coins, 26–7, 39 n. 17;
halved, 30; chronology, 32;
denominations, 34
denarii of Scarpus for, 32
Fleet Praefect coinage, 30, 33
Antwerp, 239, 247, 249, 253 n. 7,
255 n. 47, 265
Apollonia (Cyrenaica), 30,
37 n. 1, 38 n. 15, 54
Aquileia, mint of, 78–82 *passim*
Aquitaine, 140
Aradus, 13
Arcadius, emperor, 76–80 *passim*,
90 figs. 11, 12
Arles, mint of, 75–83 *passim*, 138
Arnhem, mint of, 253 n. 9
Arnold, duke of Guelders, 278,
279
Arnold II, of Randerath, 322 pl.
20 no. 22
Arnold of Oreye, lord of
Rummen, 309, 313, 314, 322
pl. 20 no. 31
as, 50, 54, 55, 97
confused with *dupondius*,
105 n. 14
‘countermarked’, 98–9,
103 n. 1
halved, 36–7
of Cyrenaica, 27–37 *passim*
semuncial, 33, 34, 36; uncial,
33, 36; sextantal, 36
assay, 242, 246; *see also* *pyx*,
trial of the
assayers, mint officials, 244,
248–9, 252
Athelstan, king of Wessex and
Mercia, York coinage, 225
Athens, 7, 11, 13, 53, 57
Attigny, capitularies of, 138, 141,
142
Augustus, 31, 33, 34, 39 n. 17;
on Scato’s coins, 27–8, 30,
32; halved coins of, 36, 37;
Capricorn type of, 52
aurei, 31, 39 n. 29
Aurelian, emperor, 72, 73
Aurelius, Marcus, 16, 107 pl.
10 no. 15
Austrebert, *see Ansedert*
Bachkovo, monastery of, 179–88
passim
Balliol, John, 308
banker/ing, 188, 252, 286
Barcelona, recoinages of,
193–202
Bardi, Walter de, mint master,
226, 229
barter, 150, 325–6
Basel, re-used obverse die, 16
Basiliscus, emperor, 105 n. 20
Bayeux, 177 n. 22; mint of, 173,
174
Belgium, 304; late fourth-century
Roman bronze finds from,
75–94 *passim*
Benedict III, pope, 137
Berenikeion, 57
Bergamo, 132
Berry, 265
Bertha, queen, 162–3
bigati, 53
billon, 188, 197, 199, 291, 311
bisancii, 196
blanchers, 254 n. 22
blancs, 311
blanks, in production, 241–2,
234–5; *see also* *flan*
Blomberg, mint of, 307
Bohemund, archbishop of Trier,
309
Bonn, mint of, 308
Bordeaux, mint of, 141
Bosingsfeld, mint of, 306
bossonaya, 194–9 *passim*
botdraeger, 309, 313
Bourges, 115; mint of, 140
‘Bourgogne, serment de’, 241
Brabant, 311; mint organisation
in, 240–52 *passim*; ‘serment
de’ 241
bracteates, 211
Braumbach, F., 162
‘brief’, of an *ouvrier*, 235
briquet, 289–91
bronze coinage (*aes*), 5–6, 66;
Cyrenaican, 23–46;

- bronze coinage (*cont.*)
 Tiberian, 29; of Nemausus, 31; of Augustus, 33; local Gallic, of Octavian, 33; Mamertine, 39 n. 20; Belgian finds, 75–83; re-use of Roman imperial, 95–111; of Flavians, 97, 100; *see also names of denominations and of coins*
- Brooke, G. C., 225–7
- Bruce, Robert, *see* Robert I
- Bruges, 265; mint of, 245, 249, 250, 253 n. 7, 255 n. 46
- bruna*, 194
- Bruniquer, Rùbriques de*, 194–7
- Brussels, 250; mint of, 253 n. 7; hoard, 307
- Brutus, 51–2
- Bulgaria, 179, 188
- bullion, 8, 227, 234, 241, 244, 245, 246–7, 248, 265
- burial, coins to accompany a, 50–1
- Busch mony*, local money of account, 263
- Byzantine coins, xi, 209, 210, 315; re-use of, 97, 103 n. 5; bronzes, 106 n. 24; and the Gornoslav hoard, 179–88; minor denominations, 187–8
- Cambrai, mint of, 141
- Canterbury, mint of, 153
- Capito, 39 n. 29
 coins, 27, 31, 37;
 denominations and types, 28–9, 34; dating, 33
- Capitula legibus addenda*, capitulary of 819, 140, 147
- Capitulare missorum*: of 809, 147; of 829, 147
- Cappe, Heinrich Philipp, 161, 162
- Carolingian coins, 208; Ilanz hoard of gold, 127–34; introduced into Italy, 137; *novi denarii* and forgery, 137–44; rejection of good coin, 139, 141, 147–51
- Caron, E., 172
- Carthage, mint of, 40 n. 29, 98, 99, 106 n. 24
- Catalonia, 193–202
- caution money (mint master's), 245
- Celles, 170 n. 16
- Cely Papers, coin and exchange rate comparison with Halyburton, 263–92 *passim*
- Ceolnoth, archbishop of Canterbury, 153
- Ceolwulf II, king of Mercia, 154
- Chabouillet, M., 172–3, 175 n. 11
- chaise d'or*, 273, 277
- Châlons, 237 n. 10
- Chambres des Comptes, and Burgundian mint organisation, 244–50
- Charlemagne, 137, 138, 140; gold coins of (Ilanz hoard), 127–32; *deniers*, 145 pl. 13 nos. 1, 2; rejection of good coin, 147, 150
- Charles VI, king of France, 231, 237 n. 7
- Charles VII, 283–4
- Charles VIII, *écus au soleil*, 284; *Karolus* penny, 309–311
- Charles VIII (Karl Knutsson), king of Sweden, *Karolus* penny, 309–11
- Charles the Bald, 138–43 *passim*, 148; *denier*, 145 pl. 13 nos. 7–10
- Charles the Bold/Rash, duke of Burgundy, 240, 250, 253 n. 11, 290, 291
- Chartres, mint of, 141, 142
- chemical analysis, 113 and n. 4, 133
- Chronicon Barcinonense*, 194
- circulating medium, 66, 83, 97, 188, 264–6
- circulation of coin, 134, 166, 173, 305; early, 5–6, 8; Roman bronze in northern Gaul, 75, 83; ancient, in later periods, 97; in Carolingian Italy, 131; Gornoslav hoard evidence of, 188; medieval English, in Schleswig-Holstein, 205–14; evidence from Halyburton's Ledger of, 263–6
- Cirksena, Edzard and Ulrich, 310, 313
- cistophoros*, 53
- citharephoroi*, 53
- Citium, mint of, 13, 14–15
- Civitas Biturigum*, 114–15
- Claudius, emperor, 107 pl. 10 no. 17
- Claudius II, 70–1
- Cleopatra, Antony and, 31
- Cyrenaican bronze coins, 26–7, 39 n. 17; halved, 30; chronology, 32; denominations, 34
 daughter, 27
- Clermont, mint of, 140
- clinkart*, 273, 277–8
- Clovius, 39 n. 29
- Cnut, 209, 304
- Cobbe, Hans, mint master, 245
- coin finds, 2, 6, 27, 98–9, 311, 312
 analysis of Belgian finds of Roman bronze, 75–83; of finds in Schleswig-Holstein of English medieval coins, 205–14; list, 214–18
 from Coventry, 305; Dankirke, 206; Horsted Keynes, 227; Massafra, 106 n. 24; Ribe, 206, 211, 315; Velleia, 100
- coin inscriptions/legends, 70, 161, 167
- early Greek, 2, 6
- function of, on ancient coin, 51
- of Carolingian gold coins, 127–32; *deniers*, 138, 141
- of countermarked Roman coins, 102 Table 10
- of Roman coins of Cyrenaica, 24–32 *passim*
- on imitative coins, 305, 309, 314
- coins
 clipped, 133, 312
 defacement of, 56
 names on, 6; of moneyers, officials, 28; of Carolingian towns of issue, 138, but common mint, 132–3, 143; mint names, 141; Norman personal names, 171–5
 output of, 65, 242
 re-use of, 95–111
- coin types
 and coin names, 53
 and re-used Roman coins, 106 n. 26
 as indication of denomination, 33–6
 changed to defeat forgery, 139–43
 earliest Greek, 2–7 *passim*, 9 n. 17
 functions of ancient, 5, 7, 51, 56
 imitations of medieval
 Scottish, 303–17
 of the Roman coinage of Cyrenaica, 24–36 *passim*
 public opinion and Roman imperial, 47–59
 statistical analysis of, 66–7; stylistic (German), 167–9
 West Saxon, 153–5
see also portraits on coins
- Cologne: mint of, 71, 141, 314; archbishops of, 276
- coloriseur*, mint worker, 242 and n. 22

Index

331

- Commodus, emperor, 107 pl. 10 nos. 9, 13
- comites*, Carolingian, 138–44 *passim*, 176 n. 21
- Conan II of Brittany, 176 n. 15
- Conrad II, emperor, 167, 169
- Conrad, abbot of Helmarshausen, 307, 321 pl. 19 no. 4
- Constans II, emperor, 97
- Constantine, emperor, 52
- Constantinople, 76
- Consuetudines et Justicie*, 174
- '*contregardes*', mint officials, 248, 252
- control marks/letters, 24, 141; *see also* privy marks
- Cook, R. M., 6
- Copia, 34, 40 n. 30
- copper, 114, 149, 311
- copper coin, 8, 188, 312
- Corinth, 56
- Cornificius, Q., 39 n. 29
- Corvinus, Matthias, king of Hungary, 287
- Cosconius, P., 39 n. 29
- counterfeiting, *see* forgery
- countermarking, 6; for re-use of obsolete coin, 95–100, 103 n. 5
- courtes*, 243
- Crassus, 34; mints of, 25; coins of, 30–1, 36
- Crawford, M. H., 32, 33
- Crete
- and Cyrenaica, 23, 27, 30, 31
 - coins of Lollius, 24–5, 30; of Crassus, 25, 31
- crockards*, 211 and n. 45
- crocodile, 31, 40 n. 40
- Croesus, 7; temple of, 1–4; coins of, 2, 4
- crowns, on eleventh-century *pfennigs*, 168
- crowns, in Andrew Halyburton's Ledger, 264, 266, 293; Scottish, 272; old and new, 283–4
- Crux pellit pennies, 309 n. 39
- crypt mony*, 264, 266
- Cyprus, 13, 16
- Cyrenaica, Roman coinage in, 23–37
- Cyrene: mint of, 24–37 *passim*; Antony's donation to Cleopatra, 27
- Cyzicus, 4
- Dampierre, Gui de, count of Flanders, 241, 308
- Danes, Danelaw, 153; commerce and imitative coinage of, 155–7; Danegeld, 210–11
- Dannenberg, Hermann, 161–3, 167, 168
- daric*, 53, 57
- dates on coins, 11–12, 13, 30, 65
- dating techniques, 129, 131, 140, 142; in determination of coin origins, 1–4; die studies and relative chronology, 11; and the chronology of the Roman coinage of Cyrenaica, 30–3; evidence from hoards, 65, 67; study of dies and types, 166–9; use of privy marks, 225–9
- David I, king of Scotland, 312
- David II, half-groat, 309, 322 pl. 20 no. 30; groat, 311, 322 pl. 20 no. 32
- David of Burgundy, bishop of Utrecht, 280, 281
- Dauidschild/Davidsharp*, 281
- Dax, mint of, 140
- debasement, 114, 149, 188, 213, 225, 237 n. 11, 306, 309; debased coins, 139, 140, 193, 196, 253 n. 10
- dedications, coins as, 132
- Demareteion*, 57
- Demeter Sanctuary, at Cyrene, 37 n. 1, 27, 30
- demonetisation, 138–40, 143, 150–1, 153–5, 198
- demy(e)*, 270
- denarii*, 31, 32, 39 n. 29, 53, 55, 66, 67, 103 n. 5, 137, 156; *see also* *deniers*
- deniers*, 134 n. 9, 135 n. 35, 176 n. 21, 306, 313; Merovingian, 113–24; *novi denarii*, 137–44, 147; demonetised, 138–40, 143; rejection in Carolingian Europe, 147–51; Charlemagne's reform, 147; eleventh- and twelfth-century Norman, 171–5; *deniers tournois*, 237 n. 7; *deniers de la thoison*, 250; *denier paris*, 253 n. 10; *see also* *diners*
- Denmark, 208, 210, 211, 214; minting abandoned in, 213; imitation sterlings of, 213, 306, 308–10, 321 pl. 19 no. 16
- denominations: of early coins, 5–6; weight misleading as a guide to, 29; of the Roman coinage of Cyrenaica, 33–7
- Desiderius, Lombard king, 129, 131, 132, 135 nn. 26, 27
- devaluation, Carolingian, 150–1
- decken*, 16
- Diergarde, Ambroize, mint employee, 255 n. 42
- dies, 13, 16
- composition of a set, 250, 258 n. 81
 - determination of size, length of issue, 2, 4, 164–6; date, 166
 - die-axis, 133
 - die-linkage, identities, 2, 6, 11, 76, 132–3, 143, 166
 - die position, control letters, 24
 - die-wear, 11
 - life of obverse dies, 11–16, made by the engraver, 249–51
 - movable, 133
 - Roman production of, 59
- Dietrich II, count of Mörs, 276
- Dieudonné, Adolphe, 148
- Dijon, 255 n. 38
- dikastikon*, 7
- diners*, 193–9 *passim*
- Dio Cassius, on coins, 51–2, 55, 65
- Diocletian, emperor, 71
- dirhem/dirham*, 135 n. 29, 156, 208
- doblench*, 193–9 *passim*
- Domitian, emperor, 50, 97, 103 n. 5, 107 pl. 9 nos. 5, 8
- Dordrecht, mint of, 253 n. 7, 254 n. 22, 309
- Dorestad/Duurstede, 141, 207, 208
- Dortmund, mint of, 167, 168, 169 n. 7
- 'doubles', tetrarchic *nummi*, 53
- drachma*, 12, 53
- ducats, in Andrew Halyburton's Ledger, 263–6 *passim*, 274, 282–3, 285–6, 293; Hungarian, 282–3, 285–6, 287; Italian, *di camera*, *papale*, 285–6; double, 287
- Duisburg, mint of, 169 n. 7; 'King Henry' pfennig, 161–9; new portrait style, 167
- dupondius*, 27–37 *passim*, 97, 99; confusion with the *as*, 105 n. 14
- Duurstede, *see* Dorestad
- Eadgar/Edgar, 155, 157, 225
- East Anglia, 157; pence of, 154
- écus*, 265–6, 272, 273, 274; *à la couronne*, *au soleil*, 284; *à la chaise*, 273
- Edward I, king of England, 211, 226, 230 n. 16, 306; Edward penny, 212

- Edward II, 225
 Edward III, 225, 226, 228, 288
 Edward IV, 229, 267, 288, 304;
 ryals imitated, 269, 304;
 Patrick farthing, 310
 Edward the Confessor, king of
 England, 209
 Edward the Elder, king of
 Wessex, 208
 Egypt, 31; coinage of, 23 and
 n. 1
ekklesiastikon, 7
 Elector Palatine, 276
 electrum coinage, early Greek, 2,
 4–8
 emergency money, 100
empirances, table of, 248
 Engel, A., 162–3
 Enger, 305
 England, coins of, 172, 173, 263,
 265; medieval, found in
 Schleswig-Holstein, 205–18;
 imitated, 304, 306–15
 passim; *see also*
 Anglo-Saxon coins; named
 coins; pyx, trial of the
 engravers, mint workers, 59, 244,
 248, 249–51; engraving,
 cold, 97
enseignes, 247
 Ephesus, 1–7 *passim*
 Erik Magnusson, king of
 Norway, 308
esterlins, 253 n. 10; *see also*
 sterlings
 exchange rates: of old *deniers*,
 150; during the reconinages
 of Pere I and Jaume,
 196–200 *passim*; in Andrew
 Halyburton's Ledger, 264,
 268–93 *passim*
 Exeter, mint of, 155
 farthings, 310
 Ferri IV, duke of Lorraine, 308,
 313, 314
 Ferrières, Lupus of, 137
 fineness, 114, 129, 131, 133,
 149–50, 235, 244, 246,
 248
 flan, 24, 28–9, 36, 39 n. 24, 133,
 171; dumps, 4, 9 n. 17
 Flanders 211–14, 272, 313; mint
 organisation in, 239–52
 passim; Flemish money
 253 n. 10, 263, 268, 272,
 283
 Flavius Victor, emperor, 78, 79,
 94 fig. 9
 florins, 250, 253 n. 10, 303; St
 John, 278
 Floris V, count of Holland, 309,
 315, 321 pl. 19 no. 6, 322
 pl. 20 no. 21
folllis, 97–100
fonditore/fondeur/smeltere, mint
 worker, 242
 forgery/counterfeiting, 70, 103 n.
 3, 174, 177 n. 22, 311;
 Carolingian, 137–44, 148,
 151; in medieval French
 mints, 231–7
 France, 137, 212, 239, 311
 coins of, 137, 171, 265, 311;
 see also named coins
franc-monnaieurs, 240–4
francs, 253 n. 10, 263;
 francs-à-cheval, 313
 Frankfurt, Synod and capitulary
 of 794, 137, 139, 142, 147,
 150
 Franks, 131, 206, 208
 Frederick I (Barbarossa),
 German emperor, and the
 Gornoslav hoard, 179–87
 Friesland, 303; 'scaettas', 114,
 206; trade, 207–8
 Gaetens, Richard, 163, 167
 Gariel, E., 137
 Gaul, 29, 36, 73, 137; finds of
 late fourth-century Roman
 bronze in, 75–94;
 Merovingian *deniers* in,
 113–24
 Gelderland, mint organisation in,
 240–52 *passim*
 Genoa, barter in, 327–8
 Geoffrey II of Anjou, 15
 Germanic coinages, 9 n. 26
 Germany, 36, 37, 166, 209, 312,
 316
 coins of, 166, 209; imitative
 sterlings, 307
 Ghent, mint of, 243–4, 253 n. 7,
 278
 gifts, coins as, 7–8, 50
 Gjerstad, E., 1
 Gloucester: hoard, 72; mint of,
 155
 Godfrid, abbot of
 Helmshausen, 307
 Godfried, bishop of Utrecht, 306
 gold coinage, xi; earliest, 4–5, 7;
 Visigothic, 103 n. 5;
 Carolingian, 127–35;
 Byzantine, 179–91; minting
 of bullion, 234, 245; in
 Andrew Halyburton's
 Ledger, 263–88; *see also*
 names of denominations and
 of coins
 goldsmith, 244, 249, 252
 graffiti, on coins, 50, 103 n. 5
 Grant, M., 31, 32
 Gratian, emperor, 83 n. 2;
 Belgian finds of coins of,
 75–8, 94 figs. 1, 3, 4, 5a
 Greek coinage, 11–12; origins of,
 1–8; Hellenistic die life,
 11–21; types of, 53, 56–7;
 see also Cyrenaica
 Grierson, Philip, 9 n. 26, 65, 98,
 131, 132, 137–8, 150, 179,
 194, 198, 205, 239, 272, 273,
 327; an appreciation of,
 xi–xvi; bibliography,
 xxvii–xxviii; Grierson
 Collection, xiii, 99
 'griffon', 289–91
 groat, 226–8
 Flemish groat, 253 n. 10
 imitations, 307, 310–11
 in Andrew Halyburton's
 Ledger, 269, 271; English,
 288–9; old groats, 291
gros, 232, 313; *au lion*, 309, 313;
 tournois, 211, 213, 237 n. 7,
 305, 309, 310
 Guillelmus, 277–8
gulden, 310
 in Andrew Halyburton's
 Ledger, 264, 265, 266, 293;
 Philipsgulden, 265, 266, 280;
 Andrew *gulden*, 266, 276,
 280; Rhenish, 276; Bavarus,
 277–8; *clemmergulden*, 278;
 Ghent, 278–9;
 Light/*Arnoldusgulden*, 279,
 281; unspecified, 279–80; of
 account, 279; Imperial, 280;
 Utrecht, 280; *Davidsgulden*,
 280, 281; *Davidharpen*, 280,
 281
 Rhinegulden, 253 n. 10
 Guthrum ('Æthelstan'), of East
 Anglia, 155, 156
 Hadrian, emperor, 16, 56, 103
 n. 5, 107 pl. 9 no. 6, 108
 pl. 11 no. 22
 Hague, The, mint of, 253 n. 7
 Hainault, 308; mint organisation
 in, 240–52 *passim*; hoard,
 287
 Haithabu (Haddeby) 206, 208,
 209
 Hakon V, king of Norway, 308,
 322 pl. 20 no. 24; Duke
 Hakon penny, 322 pl. 20
 no. 23
 Halfdene, 155
 halved coins, 27, 34
 at Cyrene, 30
 Mamertine, 39 n. 20
 Roman, 36; in Cyrenaica, 36–7

Index

333

- Halyburton, Andrew, Ledger of, 263–6; coins in, 266–93; ‘paper hoard’ list, 293–9
- Hamburg, 205, 211, 213
- Hans I, of Denmark, *gulden*, 310
- Hanseatic League, 205, 213, 214
- Harold I, king of England, 209
- ‘harps’ (coins), 280
- Helmarshausen, mint of, 313, 314
coins of the abbots Conrad, Godfrid, John, 307; of Conrad, 321 pl. 19 no. 4
- Henry of Wirnenburg, archbishop of Cologne, 322 pl. 20 no. 29
- Henry, count of Sternberg, 307
- Henry II, German emperor, 167, 168
- Henry III, 166, 167, 169
- Henry IV, 162, 163, 166–7, 168, 169 and n. 9
- Henry V, 162, 167
- Henry VI, 162
- Henry I, 176 n. 14 (c)
- Henry II, king of England, 211
- Henry IV, 267; privy marks, 227
- Henry V, 267–8; privy marks, 227, 229
- Henry VI, 267–8; groats of, 226; reprieve of mint workers, 232–5; *salut d’or* of, 282
- Henry VII, 270, 288–9
- Henry IV, king of Spain, 288
- Heregeld, 210
- Herman IV of Hesse, archbishop of Cologne, 276
- histamenon trachy*, 184, 188
- Historia Augusta*, 48, 51
- hoards, 2–5, 97, 105 n. 20, 113, 138–40, 154–5, 160, 173, 179, 311
comparison with ‘paper hoards’, 264–6
find and hoard evidence compared, 75–83 *passim*
from Achlum, 138;
Apremont-Veuillon (Cher), 138–9; Batkoun, 190 n. 52; Broughton, 308; Brussels, 307; Bünstorf, 211, 217; Castro dei Volsci, 106 n. 24; Cimiez (Nice), 114; Courcelles, 287; Dorking, 153, 154; Dransau, 208, 214; Fécamp, 175 n. 8; Ferrières-sur-Risle, 172–3, 176 n. 17; Gaillefontaine, 175 n. 8; Gloucester, 72; Gornoslav, 179–88; Gotting-Kliff, 206, 214; Hainault, 287; Hemptinne, 75–82 *passim*;
- Hollingbourne, 71; Ilanz, 127–34; Jynevad, 208; Lierre (Antwerp), 80, 83 n. 9; List, 209, 210, 215; Lübeck, 209; Luneau, 176 nn. 14, 17; Meldorf, 211, 218; Montfort l’Amaury, 176 nn. 14, 17; Norrby, 320 n. 47; Nus, 176 nn. 14, 17; Osmery I and II, 103 n. 4; Oudenburg, 75, 83 n. 9; Over Randlev, 208; Paphos, 13; Réka-Devnia, 67; Rüseldorf, 223 n. 61; Savonnières, 114; Sibbenarve, 167; Susa, 176 n. 14; Sutton Hoo, 179; Utersum, 209, 210, 215; Whittonstall, 320 n. 49
- of English medieval coins in Schleswig-Holstein: list, 214–18
- of fifteenth-century gold coins, 264
reasons for hoarding, 73
techniques of analysis and their uses, 65–73
- Hohlpfennig*, 213
- Holland: mint organisation in, 240–52 *passim*; imitative sterlings of, 306, 309, 314, 315
- Hungary, ducats of, 282–3, 285–6, 287
- Huy, mint of, 141
- hybrids, 70, 71, 312, 314
- hyperpyra*, 179–80, 185, 187, 188
- imbianchitore*, mint worker, 242
- imitative coinages, 78, 131, 143, 272, 273, 277, 303–5;
Roman coinage of Cyrenaica, 27–37 *passim*; of the west Saxon penny, 155–7; of the ‘sceat’, 206; of sterlings, 211–14, 304, 306–15 *passim*; of *ryals*, 269; of medieval Scottish coins, 307–17
- inflation, 82, 264
- Innes, Cosmo, 263
- inscriptions, *see* coin inscriptions
- ‘interlace’ coins, 114
- Ireland, coins of, 209, 212, 306, 311–12
- ‘Isoprobe’, 113
- Italy, 36, 76, 80, 83, 131, 137;
countermarked coins from Africa in, 98–100; mints of, 239
- James II, king of Scotland, 272
- James III, 271, 272, 310, 316;
farthing, 322 pl. 20 no. 39;
penny, 322 pl. 20 no. 41
- James IV, 271
- James V, 271
- Jaume (Jaime) I, king of Aragon, 193, 198, 199
- Jecklin, F., 127, 133
- John, abbot of Helmarshausen, 307
- John, king of England, 212; Irish penny of, 306, 312
- John, king of Scotland, 322 pl. 20 no. 25
- John of Bavaria, count of Holland, 277
- John the Fearless, duke of Burgundy, 272
- John of Heinsberg, bishop of Liège, 281
- John of Horn, bishop of Liège, 282
- Joseph, Paul, 162
- journey-weight, 225
- Jülich, Walran of, 308
- Justinian, emperor, 105 n. 20, 99
- Jutland peninsula: English medieval coin finds in, 205–18; imitative coins in, 312, 315
- Karolus* penny, 310–11, 312, 322 pl. 20 no. 42
- Köpfchen/Kopken*, 309, 315–16
- Kroiseioi*, 57
- Ladislaus II, king of Hungary, 287
- Lafaurie, J., 113, 114, 171
- latten, 250
- Lawrence, L. A., 225
- Liège, 240
- Lille, 249, 255 n. 45
- Limburg, 310, 316
- ‘lion’, 250
in Andrew Halyburton’s Ledger, 266, 293; Scottish, 272; Burgundian, 274–5
- lioncels*, 250
- Lippe, Widekind sterlings, 307, 321 pl. 19 no. 13
- Lollius, 28, 30, 33, 34, 37; types of, 24–5; denominations of, 36
- Lombards, 129–33
- London, mint of, 153
- Longnon, A., 231
- Lorraine, 306, 313, 314
- Lothar I, emperor, 141, 147
- Louis I, the Pious, emperor; 150, 303; *novi denarii* and forgery, 138–44; *deniers*, 145

- Louis I (*cont.*)
 pl. 13 nos. 3, 4, 5, 6;
 rejection of good coin, 147
- Louis II, 137
- Louis III, the Blind, 138
- Louis XI, king of France, 284, 310
- Louis XII, 284
- Louvain, mint of, 253
- Lübeck, 205, 211, 213; hoard, 209
- Lucca, mint of, 131, 135 n. 22
- Lucullion*, 57
- Lügde, mint of, 307
- Luxemburg, 240, 241, 242, 253 n. 11, 306, 309–10
- Lydia, 4, 5, 6
- Lyon, mint of, 72, 78–83 *passim*
- Maastricht, mint of, 114, 141, 208
- Magnus Maximus, emperor:
 coins of, in Belgian finds, 76, 78, 79, 88 figs. 6, 7, 8;
 coinage reform of, 82–3
- Mainz, 276
- Malines, mint of, 240, 245, 249, 251, 253 nn. 7, 9, 292
- Mamaea, Julia, 67–70
- mancusi*, 194, 195
- Mantua, capitularies of, 132, 137
- Marius, Gallic emperor, 71
- marks, 194–200 *passim*, 263
- Marseilles, mint of, 114
- Maussoleia*, 57
- Maximian I, emperor, 104 n. 6
- mazmudins*, 196
- Meaux, mint of, 141, 142
- medallions, Roman, 16, 59
- Medemblick, mint of, 309
- Melgueil, 196, 197
- Melle, mint of, 138, 140
- Menadier, Julius, 162–3, 167, 168
- Mercia, 154, 155, 156
- Merovingian coinage, silver alloy of, 113–24
- metrology, *see* weights of coins
- Metz, mint of, 141, 310;
 municipal *gros*, 322 pl. 20 no. 36
- Middelburg, 263, 265
- Milan, mint of, 72, 129, 132, 285, 292
- military issues, Roman, 32, 33
- Minden, mint of, 169 nn. 7, 8
- minimi*, 106 n. 24
- minting, 4, 11, 59, 213, 303; by private individuals, 6; right of, 143; costs and profits of, 148–50, 198, 234, 245–6; possible collapse of Norman ducal monopoly in, 173–5; the production process, 237 n. 11, 241–2
- mint marks, 78, 141; signatures, 11 and n. 2, 71, 155
- mint masters, 173, 234, 244–6, 252; and the trial of the pyx, 225–9 *passim*; *see also* moneyers
- mint pound, 148–9
- mint production rate and die-use, 13–16; attribution, 26, 71–2; names on coins, 132, 141; accounts, 198–9, 239–40; workers, 237 nn. 8, 11, 240–4; officials, 244–52
- mints, 4, 5, 6, 25, 75–83, 113, 114, 140, 225, 316;
 Carolingian common mint, 132, 143; counterfeiting in and control of, Carolingian, 141–4; under Ælfred the Great, 155; Norman, 173; counterfeiting in, medieval France, 231–7; organisation of, in the Burgundian Netherlands, 239–52
- missi*, 137–42, 147, 148
- mites*, 253 n. 10, 254 n. 28
- module, 26, 31, 37 n. 1, 98, 105 n. 12, 131, 133
- monetarium*, Norman tax, 173
- monetaticum/monedatge*, 193, 199
- moneychangers 244, 246–7, 252
- moneyers/monetarii, 28, 72, 143, 149, 155, 197–9, 237 n. 11, 311, 314; Norman, 171–4, 176 n. 11; and forgery in medieval France, 231–5; in the Burgundian Netherlands, 240–4, 255 n. 45; *see also* mints, mint masters
- monnayeurs*, 240–4
- monometallism, xi, 127
- morabetins*, 196
- Morgantina, 39 n. 20
- Morrison, K. F., 148
- moutons*, 313
- Müller, L., 27, 33
- Musset, L., 171
- Mytilene, 4
- Namur, 240, 242, 253 n. 11
- Naples, kings of, 319 n. 39
- Nemausus, 31
- Nemfidius, 114
- Nero, 51, 52, 56, 108 pl. 11 no. 26
- Nerva, *denarius* adjusted to later use, 103 n. 5
- Netherlands, 212, 304, 306
- Netherlands, Burgundian, 263
- coins, pls. 17, 18
- currency, in Andrew Halyburton's Ledger, 263–6; noble, 272–3; 'rider' and 'lion', 274–5; schuitken, 275; Andrew *gulden*, 276; *vuurijzer*, griffon, 289–91
- fifteenth-century mint organisation, 239–52
- Nijmegen: capitulary of 808, 142; mint of, 253 n. 9
- Nijmegen, Janne van, die maker, 250
- niquets/doubles tournois*, 237 n. 7
- nitric acid, 242
- nobles, 214, 250
 in Andrew Halyburton's Ledger, 263, 264, 293; English, 267–9; half-noble, 268; quarter-noble, 269; nobles of account, 269; Burgundian, 272–3
- nomismata*, 184–8 *passim*
- Norman coinage, inscribed personal names examined, 171–5
- Norse coinage, 208
- Northmen, 139, 144, 210
- 'North Sea coins', 206
- Northumbria, 157, 208
- novi denarii*, *see deniers*
- Norway, 207, 208; imitation sterlings from, 222 n. 57, 306, 308, 313
- nummi*, 53, 98, 99
- obols*, 5, 193, 197, 198, 203 n. 15, 103 n. 5,
- Octavian, *see* Augustus
- officina*, 67, 70, 72; marking, 67, 71
- O'Reilly's money, 312
- Orléans, mint of, 141, 142
- örtugs*, 222 n. 57
- Osnabruck, Bishop Conrad of, 320 n. 47
- Ostrogoths, 99, 105 n. 20, 106 n. 24
- Otto IV, German king, 212
- ouvriers*, mint-workers, 234–5, 237 n. 11, 248; in the Burgundian Netherlands, 241–2
- Pacourianus, Gregory, founder of the monastery of Bachkovo, 179–86 *passim*
- Palace, mint, 141, 142
- Palau-solità, Templars of, accounts, 197–8
- Palikanus, 29 n. 29

Index

335

- Palikanus* (*cont.*)
 coins of, 27, 31, 37;
 denominations and types,
 28–9, 34; dating, 33
 ‘paper hoards’, 264–6; of
 Andrew Halyburton, list,
 294–9
 Paris, mint of, 114, 141, 142,
 233, 238 n. 12
patards, 244, 250, 289–91
 Pavia/Papia/Ticinum, 72, 129,
 131, 135 n. 32
 payments in coin, early, 4–8
passim
 pennies
 finds of later Anglo-Saxon
 pennies in
 Schleswig-Holstein, 205,
 208–11
Karolus penny, 310–11
 West Saxon, 153–60; ‘reform’
 penny, 153; half-penny,
 multiple penny, 155; Danish
 imitations, 156–7
see also pfennig, ‘sceattas’,
 sterlings
pennings, 308
 Pepin, king of the Franks, 113,
 148, 150, 151, 152 n. 13
 Pere I (Pedro II), king of
 Aragon, 193–200 *passim*
 Pere ‘the moneyer’, 197, 204
 n. 34
 Perl, G., 30, 31
pfennig, 213; ‘King Henry’,
 161–9
 Phanes, 2, 4, 6, 10 n. 30
 Philip I, emperor, 16, 67
 Philip I, king of France, 176
 n. 15
 Philip the Bold, duke of
 Burgundy, 242, 244, 272
 Philip the Good, 259 pl. 17 nos.
 1–7, 281; common coinage
 of, 240; mint management
 under, 249, 253 n. 11; coins
 of, in Halyburton’s Ledger,
 272–4
 Philip the Handsome, 259 pl. 18
 nos. 8–11, 265, 266, 275,
 280, 290
Philippeiot, 57
 Philippiopolis: campaign of
 Frederick I (Barbarossa),
 180–7 *passim*; mint of, 190
 n. 60
Philippus, 273–4, 293
Philistideion, 57
piedforts, 247
 piles (lower dies), 250, 258 n. 81
 Pitres, edict of 864, 149;
 provisions relating to
 recoinage in, 137, 139, 140,
 143, 148
 ‘plack’, 291
 Plegmund, archbishop of
 Canterbury, 155
pollards, 211
 Pompey, Sextus, 33, 36, 40 n. 30,
 54
 ‘porcupines’, 114, 206, 208
 portraits on coins, 55, 71, 95, 96,
 157, 167–8, 291, 314–15
 postlates, 279, 293; old, 281;
 Horn, 282
 pound, 253 n. 10; Carolingian
 and Roman, 147, 152 n. 14;
 account, coining and mint
 pounds, 148–9
preposito degli operai, degli
affilatori, mint workers, 242
 presents, coins as, 7–8, 50
 prices, 150–1
 privy marks, 141, 234; and the
 trial of the pyx, 225–9
passim; issuer’s mark, 305
 Probus, 72, 73
 propaganda, 315; rôle of Roman
 imperial types examined,
 47–59
 Provins, 176 n. 14 (c)
 Ptolemaic coins, 26, 30
 Ptolemaic mints in Cyprus,
 13–16
 Ptolemaic monetary system in
 Cyrenaica, 23
 puncheons/punches, 249
 Pymont, imitative coins of, 307,
 313, 314, 316, 321 pl. 19
 no. 11
 pyx, trial of the, and privy
 marking, 225–9

quadrans, 28, 31, 34, 36, 54
quadrigati, 53
 Quierzy, capitulary of 861, 139,
 142, 148
quinarii, 32
 ‘radiati’, 97, 104 n. 6
 Ramon Berenguer IV, count,
 194
 Randerath, mint of, 315
 Ravenna, mint of, 99
rebus bellicis (*de*), 49, 52, 143
 reckoning counters/jettons,
 250–1
 recoinages: Carolingian, 137–44,
 150–1; concept abandoned
 by Ælfred the Great,
 153–60; at Barcelona,
 193–200
 Rhaetia, 131
 Rhineland, 36, 37, 161, 212
 Rhineland Electors, *gulden*, 276,
 278
 Ribe, 206, 211, 213, 315
 Richard I, king of England, 175
 n. 3
 Richard II, 227
 Richard, earl of Cornwall, 213
 ‘rider’, 244, 266, 274, 293, 310
 Robert I, Bruce, king of
 Scotland, 313; groat
 imitated, 311; sterling, 322
 pl. 20 no. 26
 Robert III, 272
 Robert de Béthune, count of
 Flanders, 308, 313–14, 322
 pl. 20 no. 27
 Robert Curthose, duke of
 Normandy, 174
 Robinson, E. S. G., 1, 24–37
passim
 Rochester, mint of, 153
 Rome, coinage of: of Cyrenaica,
 23–37; military issues, 32;
 propaganda function
 examined, 47–59; imperial
 involvement in type choice,
 49, 59; imperial portraits,
 55–6; die production, 59;
 disrespect *lèse majesté*, 62
 n. 58; in third-century
 hoards, 65–73; Belgian finds
 of fourth-century bronze,
 75–94; re-use of imperial
 bronzes, 95–111; in
 continued circulation, 103
 n. 5
 Rome, mint of, 28, 67, 70, 71, 72,
 137, 285; coins of, in
 Belgian finds, 78–83 *passim*
rosenkreuzsterlinge, 305
 rose noble, *see* ryal
 Rouen, mint of, 173, 174
royal d’or, 283
 Rudolf of Diepholt, bishop of
 Utrecht, 281
 Rufus, A. Pupius, 39 n. 29
 coin types of, 26–7; halves, 30,
 37; chronology, 31–2;
 denominations, 34–6
 Rupert of the Palatinate, 276
 ryal, 293, 304
 in Andrew Halyburton’s
 Ledger; English rose noble,
 269–70; half, quarter, of
 account, 269; Spanish, 288

 Saarwerden, Frederick of,
 archbishop of Cologne, 277
 Sainte-Menehould, mint of, 231,
 234, 237 n. 10
 Salamis, mint of, 13
salut d’or, 282–3, 293

- Scandinavia, 312, 314
 Scato, 39 n. 29; coins of, 31, 36; denominations and types, 27–8, 34; halves, 30, 37
 ‘sceattas’, early Anglo-Saxon pennies, 113–14, 214
 finds in Schleswig-Holstein, 206–8
 imitations, 206; Anglo-Frisian / North Sea coins, 206
schild, 273
 Schleswig-Holstein, English medieval coins from, 205–14; table of finds, 214–18
 Schramm, Percy Ernst, 163, 169
schuitken, 265, 275
scissel/sisailles, coin rejected in manufacture, 255 n. 45
 Scotland, coins of, 212
 in Andrew Halyburton’s Ledger, 263–6; unicorn, 271; crown, 272
 medieval imitations of, 303–17
 seals, 6–7
 seignorage, 234, 239, 242–7
passim
semis, 28, 29, 31, 34, 36, 37
senarius, 197, 198
serment de France / de l’Empire, de Brabant / de Bourgogne, 241
 Serrure, R., 162–3, 172
sestertius, 32, 33, 97, 98; ‘countermarked’ coins, 103 n. 1; value relationship with the *dupondius*, 105 n. 14
 Severus Alexander, emperor, 66, 67, 70, 97, 108 pl. 11 no. 21
 Sforza, family, 287, 291–2
 ship-tolls, 269
 Sicily, 36; mint of, 242
 Siegen, 308, 314
 Siegfried, archbishop of Cologne, 308, 321 pl. 19 no. 14
 Sigismund, emperor, and king of Hungary, ducat, 287
siliqua, 98, 99
 silver coinage: early, 4, 7, 8; Hellenistic, 11–21; Roman Cyrenaica, 32; *antoniniani*, 65–74; Merovingian, 113–25; Carolingian, 137–46, 147–52; Anglo-Saxon, 153–60; of Barcelona, 193–204; English medieval, 205–23; in Andrew Halyburton’s Ledger, 288–92; imitation of Scottish, 303–25
 Simonett, C., 131
sisailles, *see scissel*
- Siscia, mint of, 72, 77–81 *passim*
sizers, mint workers, 242
solidus, 98, 99, 211, 305; ‘of Uzès’, 135 n. 35
sous, 148–9
 Southampton, 153
 Spain, coins of: recoinages of Barcelona, 193–202; double ducat, 287; *ryal*, 288
 spectrometer, 113, 114
staters, 4, 5, 10 pl. 1, 313; earliest literary mention of, 4, 9 n. 18; of ‘Phocaea’, 10 n. 28
 Steemair, Clais, Assayer General, 249
stephanephoros, 53
 ‘sterlingi coronati’, 211
 sterlings
 double or quadruple, 309
 English: finds in Schleswig-Holstein, 211–14; imitations, 211–14 *passim*, 304, 306–15 *passim*
 Irish, 209, 212, 306
 Long Cross, Short Cross, 212, 306
 Scottish, 212; imitations, 303–17 *passim*
see also pennies, Widekind sterlings
 Sternberg, 307, 313, 316, 321 pl. 19 no. 10
 striking of coin, *al marco*, 148
stuivers/sturis, 263
 Suhle, Arthur, 163, 167
 surface depletion, enrichment, 113, 114
 Susa, 176 n. 14
 Swalenberg, 307, 313, 316, 321 pl. 19 nos. 8, 9
 Sweden, 208, 213, 310, 311
 Symonds, H., 226
 Syracuse, 57, 103 n. 5
- tagliatore*, mint worker, 242
 taxes, 6, 173, 174, 193, 210; exemption of *franc-monnayeurs* from, 240–1
tessera, 103 n. 5
 testoon, 291–2
tetartēron, 188
tetradrachm, 12, 13, 38 n. 9, 57
 Tetricus I and II, Gallic emperors, 71, 72, 73
 Theodahad, king of the Ostrogoths, 100, 106 n. 26 and fig. E
 Theodosius I, emperor, 83 n. 2, 103 n. 5; Belgian finds of coins of, 75–80 *passim*, 83 n. 12, 94 figs. 2, 5b, 10, 13
- Thibaut IV, count of Champagne and Brie, king of Navarre, 176 n. 14 (c)
 Thionville, capitulary of 805, 142
 Thompson, Margaret, 11–16
passim
 Tiberius, emperor, 23, 36, 99, 100; coins from Cyrenaica of, 29–30, 31, 33, 34, 37
 Ticinum, *see* Pavia
 Titus, emperor, 98, 104 n. 9, 107 pl. 9 no. 3, pl. 10 no. 10, 108 pl. 11 no. 27
 token coinage, 66, 312; emergency money, 100
 touchstone, 237 n. 11
 Toulouse, 140, 319 n. 40
 Tournai, mint of, 240, 251
trachy, 188
 trade/commerce, 241; and early coinage, 5–8; and Carolingian gold coins, 134; markets, 142; Ælfred’s monetary policy and Danelaw, 156–7; Schleswig-Holstein coin evidence for, 207–14 *passim*; currency of international, 266
tremisses, 135 nn. 26, 27
 tribute, 210, 214
triens, 54, 208
 Trier, mint of, 71, 78–83 *passim*, 141, 276
tripondius, 33
 trussels, upper dies, 250, 258 n. 81
 Tuscany, 129, 131
 types, *see* coin types
typikon: of the monastery of Bachkovo, 181, 184, 188; of the monastery of the Pantokrator, 188
- unicorn, 271–2
 Utrecht, 240, 280, 318 n. 24
 Uzès, *solidi* of, 135 n. 35
- Valenciennes, mint of, 249, 253 n. 7
 Valens, emperor, 75, 83 n. 2
 Valentinian II, 83 n. 2; Belgian finds of coins of, 76–9
passim, 92 fig. 14
 Vallseca, Guillem de, 202 n. 8
 value of coins, 5, 6, 66, 148–51, 156; marks of current value, 97; *see also* exchange rates
varlet de la monnaie, mint worker, 247
 Venice, 285

Cambridge University Press

978-0-521-09133-6 - Studies in Numismatic Method: Presented to Philip Grierson

Edited by C. N. L. Brooke, B. H. I. H. Stewart, J. G. Pollard and T. R. Volk

Index

[More information](#)*Index*

337

- Verdun, mint of, 141
 Vernon, capitulary of 754 or 755, 148–9
 Vespasian, emperor, 51, 59;
 ‘countermarked’ coins of, 98, 99, 100, 107 pl. 9 nos. 1, 2, 4, 7, pl. 10 nos. 11, 12, 16, 18, 108 pl. 11 nos. 19, 20, 23, 24, 25, 28
vicomtes, and names on Norman coins, 174–5
victoriati, 53
 Vienna, 34, 40 n. 30
 Vikings, 208, 210; penny, 208
vuurijzer, 289–90
- Walem, Pieter van, mint master, 245
 Wardens, mint officials, 244, 246–8, 252; ‘warden’s books’, 246 and n. 45; ‘warden’s boxes’, 246 and nn. 46–8
- weights of coins, 5, 7, 138–43, 171, 231–2, 234, 242, 244, 264, 304, 309, 311, 314
 of ancient bronze coins, 98
 of Carolingian gold coins, 129–33 and Table 12; weight systems, 134 n. 9; of *deniers*, 148–9
 of Merovingian silver *deniers*, 114 and Table 11
 of the Roman coinage of Cyrenaica, 25, 28–32, 33–7
- Wenceslas I, duke of Luxemburg: coin design of, 309; *gros* of, 322 pl. 20 no. 33
- Wentzel, H., 163
 Westphalia, 212, 214; imitative sterlings of, 306–7
- Widekind, count of Swalenberg, 307
- Widekind, sterlings, 307, 313, 321 pl. 19 no. 13
- William II, count of Holland, 309
 William I, the Conqueror, king of England, 173–4, 176 n. 16
 William II, Rufus, 174
 William I, king of Scotland, 306 319 n. 46; sterlings of, 321 pl. 19 nos. 1, 3
 William VI of Bavaria, count of Holland, 277
- Winchester, mint of, 155
 Wirnenberg, Henry of, 308
Witten, 213
- Worms, capitulary of 829, 141, 147
- X-ray fluorescence spectrometry, 113, 115
- Zaltbommel, mint of, 253 n. 9
 Zeno, 105 n. 20