

INDEX LOCORUM

LITERARY TEXTS

Appian	2.3.19–20, 151
<i>Samnite History</i>	2.3.227, 334
Frag. 12, 38	2.3.34, 153
<i>Sicily and the Other Islands</i>	2.3.36, 154, 242
Frag. 2, 149	2.3.36–37, 153, 155
Archimedes	2.3.38–39, 153
<i>Sand Reckoner</i>	2.3.53–55, 334
258.5–12, 155	2.3.53–57, 153
Aristotle	2.3.78, 154
[<i>Oikonomika</i>]	2.3.83, 154
1349a, 149	2.3.99, 154
1349a15–1350a.7, 149	2.4.118, 76
2.1349b, 148	2.4.119, 76
<i>Politics</i>	2.4.48, 13
5.1313b, 149	Columella
Athenaeus	<i>De Re Rustica</i>
<i>Deipnosophistai</i>	1.1.8, 151
5.194c, 75	1.6.10, 237
5.206d–209e, 237	1.6.12–13, 238
5.206e–209c, 78, 333	
5.206f, 108	Demosthenes
5.209b, 148	<i>Against Dionysodorus</i>
5.40–45, 78	9, 197, 333
8.330c, 197	<i>Against Zenothemis</i>
	4, 197
Cassius Dio	Diodorus Siculus
<i>Roman History</i>	11.26, 79
52.30.9, 194	11.38.4, 76, 78
Cicero	12.29, 149
<i>In Verrem</i>	12.29–30.1, 149
2.2.145ff, 110	13.114.1, 148
2.2.185, 148	13.59.3, 148
2.2.5, 151	14.106.3–4, 149
2.3.102, 154	14.42.4, 108
2.3.112, 108, 153, 154, 156, 333	14.63.3, 76, 78
2.3.117, 153, 154	16.83.2, 76
2.3.120, 153, 154	16.83.3, 105
2.3.120–121, 154	19.106–110, 36
2.3.14, 151, 153, 154	19.5.4–5, 36
2.3.148–149, 154	19.5.4–8, 36, 40
2.3.149, 154	20.1–79, 36
2.3.167, 148	20.29, 150
2.3.18, 151, 154	20.32, 150
	20.4.5–8, 150
	20.5, 150

Diodorus Siculus (cont.)	Dionysius of Halicarnassus
20.53–54, 40	<i>Antiquitates Romanae</i>
20.54.1, 36, 74	20.8.3–4, 40
20.78–79, 37	
20.96.1, 243	Epiphanius of Salamis
21.18.1, 37	<i>On Weights and Measures</i>
21.18.3, 37	21, 198
21.4, 79	Eutocius
22.1, 40	<i>In Libros Archimedis de Sphaera et Cylindro</i>
22.1.2, 37	II.90.13–27, 155
22.1.2–3, 37	Eutropius
22.10.1, 38	2.15, 289
22.10.1–2, 38	2.19, 41
22.10.3–4, 38	2.19.1, 104, 105, 108
22.10.7, 38	3.1, 43, 73
22.13, 39	3.1.3, 78
22.13.1, 37, 40, 105, 108	
22.13.1–8, 40	Festus
22.13.2, 40, 105	<i>Glossaria Latina</i>
22.13.4, 108	s.v. Mamertini (150 L), 37
22.13.6–8, 40	<i>FGrH</i>
22.2.1, 36, 37	174, 37
22.2.1–3, 36	239 F12, 36
22.2.2, 332	327 F14, 149
22.2.2–3, 37	575 F1, 147
22.2.2–4, 37	Frontinus
22.3–4, 38	<i>Strategemata</i>
22.7.2–3, 38	3.4.6, 240
22.7.4, 37	
22.7.4–5, 38	<i>Geoponica</i>
22.7.6, 38	2.27.1–2, 237
22.8, 332	
22.8.1, 38	Herodotus
22.8.2, 38	2.109, 194
22.8.2–5, 38	7.156–162, 149
22.8.4, 38	7.157–161, 13
22.8.5, 38	Hesychius
23.1.2–3, 41	<i>Lexicon</i>
23.1.4, 37, 41, 107	s.v. φιλιστιδείου νόμισμα, 79
23.1–2, 13	Homer
23.3.4, 42	<i>Iliad</i>
23.4, 104	16.137–138, 73
23.4.1, 41, 42, 105	3.336–337, 73
23.4.1–2, 42	
23.4.2, 294	
23.8.1, 78, 333	
23.9, 76	Josephus
23.9.1, 76	<i>Antiquitates Judaicae</i>
23.9.4, 76, 107	12.4.4–5, 153
23.9.4–5, 108	Justin
23.9.5, 107, 294	<i>Epitome of Trogus</i>
24.1.4, 73, 78, 333	15.4.13–18, 36
24.1.7, 108	22.2.1, 107
24.14.1, 75	23.3.2, 39
25.14, 78, 333	23.4.1, 39
26.8, 77, 148, 333	23.4.12, 39
5.2.3–5.5.1, 13	23.4.1–4, 78
5.2.4, 108	23.4.3–15, 17, 36, 40

Livy

- 21.49.3, 73
- 22.37, 78, 220
- 22.37.10, 34
- 22.37.7–9, 75
- 23.21.5, 43, 78
- 23.30.11–12, 43
- 23.38.13, 78
- 24.21, 43, 76
- 24.21.11, 239
- 24.21.11–12, 239
- 24.21.9–10, 75
- 24.22.8, 78
- 24.25.11, 78, 81
- 24.26, 81
- 24.29.2–4, 105
- 24.29.7–12, 104
- 24.30.2–13, 106
- 24.34.12–14, 77
- 24.35.1, 106
- 24.36.10, 201, 236
- 24.37–39, 108
- 24.4, 43
- 24.4.1–6, 81
- 24.4.4–7, 80
- 24.44.4, 43, 82, 105
- 24.6.1–3, 43
- 24.7, 43
- 24.7.1–2, 75
- 24.7.2–7, 81
- 24.7.9, 43, 105
- 25.11.1.6, 43
- 25.28.8, 43
- 25.29.7, 43
- 25.3.6, 106
- 25.31, 43
- 25.40, 43
- 26.21.14–17, 196
- 26.31, 43
- 26.32.4, 43
- 26.40.15–16, 337
- 27.8.18–19, 337
- 29.1, 337
- 31.23.5–7, 242
- 33.38.1–7, 108
- 37.3, 333
- 42.31, 333
- Periochae*
 - 14, 289

Naevius

- Bellum Punicum*
 - 7.41–43, 42

Orosius

- 4.7.3, 42

Pausanias

- 1.14.2–3, 73
- 6.12.2, 39
- 6.12.2–4, 74
- 6.12.4, 43, 74
- 6.15.6, 74

Philo of Byzantium

- Poliorcetica*
 - B6–9 [86.39–87.1], 237, 240
 - B10.1–3 [87.2–4], 238
 - B10.1–4 [87.2–5], 240
 - B10–24 [87.2–51], 237
 - B10–24 [87.2–57], 240

Plautus

- Menaechmi*
 - 15, 197

Pliny the Elder

- Naturalis Historia*
 - 18.10, 108
 - 18.12, 333
 - 18.5, 151
 - 18.73, 237

Plutarch

- Demetrios*
 - 17.1, 73
 - 17.2–18.1, 40
 - 17.2ff, 40
- Dion*
 - 33.5, 39
 - 49.1, 39

Marcellus

- 19.1–3, 43
- 8.6, 73, 75

Pyrhus

- 10.7, 79
- 22.1–2, 38
- 22.3, 38
- 23.1, 38
- 23.3, 38
- 23.3–4, 38
- 23.4–5, 40
- 23.5, 38
- 23.5–6, 38
- 26.5, 73
- 5.1, 289
- 9.1, 79

Polyaenus

- Strategemata*
 - 5.1.3, 240

Polybius

- 1.11.10–12, 41
- 1.11.4, 41
- 1.12.4, 41, 332
- 1.15.1, 36
- 1.15.10, 39
- 1.15.5, 41

Polybius (cont.)

- 1.16.10, 73
- 1.16.10–11, 36, 77
- 1.16.3, 41
- 1.16.4, 41
- 1.16.9, 42
- 1.17, 105
- 1.17.1, 41
- 1.19.15, 76
- 1.24.10–11, 294
- 1.24.12, 107, 108
- 1.62.7–63.3, 42
- 1.62.8, 42, 76, 79
- 1.7.1–4, 37
- 1.7.6, 40
- 1.7.8, 37
- 1.7.1, 149
- 1.8.1, 37
- 1.8.2, 40
- 1.8.3, 39, 73
- 1.8.4, 39
- 1.83.1–4, 42
- 1.83.2–4, 77, 78, 333
- 1.88.8–12, 78
- 1.9.2, 40
- 1.9.4–6, 39
- 1.9.6, 26, 39
- 1.9.7–8, 40
- 1.9.8, 40
- 18.10–11, 242
- 18.41.7, 40
- 29.27.1–9, 75
- 3.75.7, 75
- 30.25–26, 75
- 31.16.1, 75
- 39.8.4, 36
- 5.88.5–8, 77, 148
- 5.88.7, 333
- 5.89, 243
- 6.12.3, 79
- 6.39.13, 178
- 7.2.2, 78
- 7.4.5, 38, 39, 79
- 7.5.1–9, 43
- 7.8.1, 36, 78
- 7.8.1–7, 40
- 7.8.3, 73
- 7.8.4, 40, 41
- 7.8.6, 63, 77
- 7.8.7, 43
- 8.7.2–3, 77
- 9.23.2, 150

Silius Italicus

- Punica*
- 14.198ff, 106, 107
- 14.258–278, 110

- 14.79–93, 43
- Stephanus of Byzantium
- s.v. Συράκουσαι, 149
- Strabo
- 6.2.4, 108, 149
- Suda*
- s.v. βασιλεία (B147A), 72

Theokritos

- Idylls*
- 16.103, 47
- 16.73–81, 73
- 16.76–77, 47
- 16.76–87, 39
- 16.85–87, 47
- 16.85–99, 73
- 16.88–97, 298, 332
- 17.103, 47
- 17.56, 47
- 17.57, 47

Thucydides

- 3.86, 333
- 3.86.4, 13
- 6.1.1, 13
- 6.20.4, 149
- 6.75.3, 197

Varro

- De Re Rustica*
- 1.57, 237
- 1.8.1, 151

Zonaras

- 8.16, 42
- 8.5, 38
- 8.6, 36, 39, 78
- 8.6.14, 40
- 8.9, 41, 105

PAPYRI AND INSCRIPTIONS

Austin 2006

- no. 260 · 148
- no. 269 · 242
- no. 290 · 195, 200
- no. 296 · 153, 154
- no. 45 · 72

C.Ord.Ptol.

- 21 · 148

CIL

- XIV 364 · 337

I.Sicily

- 1060 · 109

IG	
I ²	
52 · 197	
I ³	
78a · 198	
II ²	
1013 · 190, 200	
1672 · 198	
1688 · 236	
283 · 197	
408 · 197	
584 and 679 · 333	
XIV	
2 · 74, 110	
7 · 109	
240 · 105	
421 · 198	
423–430 · 198	
645 · 104	
<i>Lind. Temp. Chron.</i>	
XL.114–121 · 73	
XLI.122 · 48	
XLI.122–126 · 73	
XLII.127–131 · 73	
XXVIII.29–35 · 73	
XXXVIII.103–109 · 73	
OGIS	
223 · 109	
269 · 40	
<i>P. Berlin</i>	
13535 · 136	
<i>P. Cair. Zen.</i>	
I 59021 · 292	
<i>P. Hib.</i>	
74 ll.2 · 200	
98 · 155, 200	
<i>P. Lille</i>	
I.21 · 200	
<i>P. Rev</i>	
25 · 200	
27–28 · 153	
28 · 153	
33 · 154	
34 · 154	
40 · 200	
42 · 154	
<i>P. Tebt.</i>	
5 · 195, 200	
8 · 154	
SEG	
XII 370 · 104	
XIX 332 · 105	
XLV 108 · 333	
XLVII 96 · 152	
XVII 196 · 105	
XXXIX 128 · 333	
<i>Syll.3</i>	
334 · 230, 242	
427 · 74, 110	
428 · 79	
502 · 242	
976 · 231	

INDEX

- Abakainon, 29
Achaemenids, 126
Adranon, 32, 87
Agathokles, 19–22, 31, 92, 255
 as *stratēgos autokrator*, 36, 39
 coinage of, 26, 247–8, 261
 fiscal policies, 118
agriculture
 archaeobotanical remains
 from Morgantina, 217
 crop yields, 306
 cultivators, 125, 129, 130, 135, 139, 318
 food shortage, 230
 harvest
 threats to, 139–40
 timing of, 139
 and political authority in Sicily, 4
 risk-buffering strategies, 310
 sale of surplus goods, 309–12
 treatises written by Hellenistic kings, 151
Agyrion, 22, 25, 28, 88, 97
Aiakid dynasty
 coinage of, 264
 marriage alliance with Hieron II, 67–8, 265
Aidone, 155
Aigai in Aolis, 116
Akragas (Agrigento)
 fall to Romans in 210, 35
 salma measures of, 181
 under Phintias, 19–22
Akrai, 32, 87–9, 98
 agora, 228
 civic institutions, 100
 coinage of, 278
 farmhouse at Contrada Aguglia, 137, 173, 179, 184
Alexander III of Macedon, 48, 51
Alexandria, 33
 contact with Syracuse, 63, 255, 264, 285
 royal granaries, 191, 227–8
 royal mint, 273
Alfonso V, 182
Ameselon (Regalbuto), 25, 28
Antigonid dynasty
 Antigonos I, 29
 Letter to the Teans, 230, 308
 Antigonos II, 63, 255
 Demetrios Poliorketes, 29
Apollonia (Monte di San Fratello), 196
Apronius, 129
Archimedes, 113
 Sand-Reckoner, 141–3
Arkhelas, son of Eukleidas, 314
Artemidoros
 co-archon with Hieron II, 25
 named on stamped measuring vessels, 184–8
Athens
 civic weights and measures, 159, 168, 176, 190
 cleruchies, 115, 126
 Coinage Decree, 180–1
 envoy to Gelon I, 4, 117
 Grain Tax Law (374/3), 120, 126
 as an importer of Sicilian grain, 175, 308
 metrological consolidation within the Athenian
 arkē, 162
 Sicilian Expedition, 1
 sitonai in Sicily, 333
Attalid dynasty
 Attalos I, 40, 224
 Eumenes I, 224
 Eumenes II, 242
 Philetairos, 74, 224
Azones, 23

basileia. See Hellenistic kingship
Bidis, 106

Carthage
 in the 16th idyll of Theokritos, 47–8
 and Agathokles, 19, 31, 94
 and Hieron II, 25, 31, 63
 and Hieronymos, 34
 and Hiketas, 22
 and Pyrrhus, 22–3
 taxation on Sicily, 116
 treaty with Rome in 241, 33, 55
Castelli, Gabriele Lancillotto, 82, 245
Cato the Elder, 3, 151
Charles I of Anjou, 181
Claudius Caudex, Appius, 31, 297

- Claudius Marcellus, Marcus, 35, 53, 90
and the capture of Herbessos, 90
Claudius Pulcher, Appius, 87
coinage
of Agathokles. *See* Agathokles
circulation, 26, 71, 267–70, 272, 281, 320, 322, 324
civic minting
following the death of Hieron II, 278
royal interference, 274–81
under Roman rule, 344–5
Damareteion, 65–6
denominations
dekadrachm, 65
diobol, 255–7
hemistater, 26
octobol, 26
stater, 26
halving of, 281–5
and Hellenistic kings, 244
of Hieron II
“dynastic” series, 68–71, 259–65
chronology, 247–66
introduction of portrait coinage, 50
monometallic minting, 266–71
and Ptolemaic imitations, 255–7
study of, 245–7
ubiquity of bronze coinage, 267–71
of Hiketas. *See* Hiketas
hoards, 270, 272
Barrafranca (*IGCH* 2241), 106
Carlentini (*IGCH* 2206), 287
containing both Hieronian and Ptolemaic coinage, 255, 292
containing both Hieronian and Roman coinage, 292
containing Hieron’s dynastic coinage, 71
Montagna di Marzo (*IGCH* 2242), 91
Polizzi Generosa (*IGCH* 2229), 246, 288
with the legend ΣΙΚΕΛΙΩΤΑΝ, 101–3
with the legend ΣΥΡΑΚΟΣΙΟΙ, 263, 277–8
monetary policy
coordination by Hieron II and Ptolemy II, 257
Ptolemaic, 270–4
overstrikes, 282
and the payment of soldiers, 26, 267, 271
Philistideion, 66
as reflection of political ideology, 51, 69
seigniorage, 284
types
Gelon / Eagle on thunderbolt, 261
Gelon / Nike driving a biga, 261
Head of Apollo / Horse, 259, 284
Head of Apollo / Isis, 324
Head of Apollo / Wingless Nike holding scroll, 261
Head of Artemis / Owl, 261
Head of Artemis / Pegasus, 249
Head of Athena / Mark of value (three dots) XIII, 261
Head of Athena / Pegasus, 248, 276
Head of Demeter / Plow, 344
Head of Herakles / Mark of value XII, 261
Head of Persephone / Bull IE, 249–51, 257
Head of Persephone / Nike driving biga, 248
Head of Persephone / Pegasus, 249
Head of Poseidon / Trident, 257
Head of Poseidon / Trident (halving of), 281–5
Hieron II diademed / Cavalryman, 52, 252–4
Hieron II diademed / Nike driving a biga, 252
Hieron II diademed / Nike driving a quadriga, 259
Hieron II laureate / Cavalryman, 50, 252–4
Philistis / Nike driving a biga, 261
Philistis / Nike driving a quadriga, 261
Phthia / Thunderbolt, 264
Tripod / Mark of value XIIIΠ, 261
Zeus / Eagle (Ptolemaic and imitations), 255–7
weight standards
Attic-Euboic, 26, 271
Corinthian, 271
interoperability of, 271–3
Ptolemaic, 257
Roman, 272
Sicilian *litra*, 271–2
conscription, 24, 100
Contrada Casalrosato, 297
Cornelius Cethegus, Marcus, 169
Cornelius Lentulus, Publius, 87, 90
Damarete
child of Hieron II, 65
wife of Gelon I, 65
Deinomenids, 7, 65
Gelon I, 4, 65–6, 117
and the Syracusan *dekate*, 116–17
Delphi, 67
Demeter, 3
on coin types, 344
dedication to (at Syracuse), 67, 68
sanctuaries at Morgantina, 171, 179
temple at Heloros, 60
Diadochoi. *See* Successor kings
Diodorus Siculus, 1, 36
Dionysius I, 117–18, 148
Dionysius II, 118
Douketios, 117
Echetla (Grammichele), 39, 89
economy
coinage as index of trade, 318–31
information
asymmetry of, 302–3
lex Hieronica
and economic integration, 311–13

INDEX

393

- market integration resulting from Hieronian
 - policies, 304–11
 - piggybacking trade, 306, 311, 322
 - transaction costs, 302–3
 - lowered by Hieronian policies, 303–5
- Eirene, goddess, 299
- Epikides, the Carthaginian envoy, 43, 85, 90
- epikrateia, of the Carthaginians and Syracusans, 19,
 - 22, 94
- Epiphanius of Salamis, 178
- Eratosthenes of Cyrene
 - Letter to King Ptolemy*, 143, 189
- Eryx, 23
- Euboia, city in Sicily, 89
- euergetism
 - civic, 62, 314
 - royal. *See* Hellenistic kingship
- Fabius Pictor, 41, 42
- famine, 232, 234
- Ferdinand II, 182
- Ferdinand III, 182
- First Punic War
 - impacts on settlements in western Sicily, 33
 - Mamertine embassy to Rome, 30
 - Siege of Messana, 31–2
 - treaty between Carthage and Rome (241),
 - 33, 55
 - treaty between Hieron II and Rome (263), 32,
 - 51, 298
 - definition of political boundaries, 54
 - renewed in 248, 33, 88
- Francavilla di Sicilia, 297
- Frederick II, 199
- Frederick III, 182
- fruits, 151
 - fig, 217
 - olive, 217
 - orchards, 125, 135
- Gagliano Castelferrato, 297
- Gela
 - archaeological excavations, 246, 249
 - archaeological survey, 297, 317
 - destruction in the *chora*, 296–7
 - resettlement by Phintias, 22, 297
 - territorial extent, 97
- Gelon, son of Hieron II, 34, 62
 - as co-regent, 65, 66–71, 142, 259
 - marriage to Nereis of Epirus, 67–8
- grain
 - barley, 64, 135, 137, 217, 220
 - controlled by kings, 116, 230
 - gifts of, 27, 63, 64
 - harvest, 137
 - measurement
 - on the threshing floor, 137–9
 - Mediterranean trade, 48, 304, 305, 307
 - milling, 179, 315
 - purchase of, 230–1, 307, 322
 - shortage, 230, 233, 306
 - Sicily as a perennial source, 3
 - sitōnikon*, 231
 - storage, 205
 - wheat, 64, 135, 137, 219, 220
 - timing of harvests, 139
 - Triticum aestivum*, 195, 217
 - Triticum dicoccum*, 217
- grain measures. *See* volumetric measures
- granaries
 - as administrative centers, 229
 - civic, 230–2
 - construction, 205–9, 225–6
 - described in Philo's *Poliorcetica*, 225–6
 - estimating capacities, 216–20
 - locations
 - Alexandria, 141, 191
 - Castillejo, 220
 - Chalkis, 242
 - Corebridge, 220
 - Gerace, 240
 - Jebel Khalid, 224
 - Morgantina, 59, 139, 220, 232
 - Mount Karasis, 224
 - Pergamon, 224
 - Reniblas, 220
 - Syracuse, 57, 220, 235
 - Teke Kale (?), 224
 - Thamusida, 240
 - military, 220
 - as projections of royal power, 232–6
- gymnasia*, 53, 58, 99–100
- Halaisa (Tusa), 25, 28, 31
- Halicyae, 23
- Haluntion, 40
- Hamilcar, 95
- Hanno, 90
- hegemon*, 24, 49
- Hellenistic kingship
 - and the army, 29, 39, 71
 - charismatic authority, 24, 45–6, 56
 - and cities, 98, 280
 - competitive display, 62
 - euergetism, 58, 62, 64, 84, 234
 - iconography
 - diadem, 50
 - portrait coinage, 51
 - militarism, 45–51
 - and Rome, 52
 - royal correspondence, 84
 - Hieron's letter to the Syracusans,
 - 82–5, 100
 - spear-won territory, 51
 - and taxation, 114–15
- Heloros, 32, 60–1, 87, 89, 90, 101

- Henna, 97, 344
Heraian Mountain Range, 31, 89, 97
Heraklea, 23
Herakles, 262
 Kraterphron, 68
Herbessos, 32, 89–91, 96, 101
 resistance to Rome, 101
Hierokles, father of Hieron II, 65
Hieron II
 acclamation of, 29
 agricultural treatise, 121
 Baupolitik, 58–62
 campaigns against the Mamertines,
 25, 27–9
 defeat at the Kyamosoros River, 25
 siege of Messana, 31
 victory at Longanus River, 29
 co-regent with Gelon, 66–7
 death of, 34
 as *euergetes*, 58–63
 foreign aid
 to Carthage, 63
 “grain diplomacy,” 63
 to Rhodes, 62–3
 to Rome, 63–4
 and *gymnasia*, 99–100
 as *hegemon*, 49
 of the *koinon tōn Sikeliōtān*?, 103
 as Hellenistic king, 30, 31
 portrait coinage, 50
 kingdom of
 delineation of boundaries, 85–7, 90
 natural resources, 97
 territorial extent, 87–9, 97–8
 letter to the Syracusans, 82–5
 marriage to Philistis, 26
 and mercenaries, 25, 26
 oligarchic support at Syracuse, 26
 omens of future rule, 17
 parents and upbringing, 17–18
 physical attributes of, 17
 and Rome
 amicitia, 32
 gifts of grain, 27
 model of the ideal client king, 18
 Treaty of 263. *See* Rome
 ruler cult
 miniature altar, 54
 statues of, 48–50
 as *stratēgos autokrator*, 25, 26
 and Syracuse
 building programs, 56–8
 and the *Syrakosia*, 63, 113–14
 and taxation. *See* taxation
 and Theokritos, 48
 treaties between king and *poleis*, 85
Hieronymos, 34, 72
 assassination of, 72
 contacts with the Ptolemaic kingdom, 78
 Roman attitudes toward, 81
Hiketas, 19–22, 296
 coinage of, 26, 247–8, 262
 as *stratēgos autokrator*, 321
Himilco, 202
Hippana (Montagna dei Cavalli), 294
Hippokrates, the Carthaginian envoy, 43, 90
honey, 116
Hybla Magna, 89, 96, 278

Iatas (Monte Iato), 270, 312, 322
indemnity, 32, 267
Insubres, 53

Kale Akte, 40
Kallipolis. *See* Francavilla di Sicilia
Kamarina, 32, 89, 94–6, 100
 agora
 coin finds, 268, 282, 329–30
 West Stoa, 95, 172
 chora, 297
 siege of (258), 95, 96
 standardized measures, 172–5, 184
 territorial limits, 97
 trade with Athens, 175
 victim of Mamertine aggression, 22
Katane, 27, 97
 bronze coinage, 324–30
 commercial contacts with Morgantina, 328–31
 as a principal Roman port, 328
Kentoripe, 25, 28, 32, 87, 88, 97
 bronze coinage, 344
Kingdom of Sicily, 181
Koinon tōn Nēsiōtōn (koinon of the Islanders), 103
Koinon tōn Sikeliōtān (koinon of the Sikeliotai),
 100–3, 145, 189
Kyllirioi, 116

Lanassa, daughter of Agathokles, 38
League of Corinth, 101
Lebedos, 230
legumes, 151, 154
 fava beans, 217
 lentils, 217
Leontinoi, 22, 32, 85, 87, 89, 97, 101
 ager Leontinus, 306
 alliance with Athens, 175
 auction of tithe collection in the *chora* of, 154
 coinage of, 344
 standardized measures, 174–5
Leptines, father of Philistis, 26
Levi, Margaret, 123–4
 predatory rule, 123, 126
 quasi-voluntary compliance, 128–9, 162
lex Hieronica. *See also* taxation
 collection of a second tithe, 306–7
 deportatio ad aquam, 139, 344

- as detailed by Cicero, 10, 121–2
 - reporting, 131
- and Jérôme Carcopino, 122
- and legal protections, 128
- and record-keeping, 145
- and *voluntas*, 129
- lex Seyrig*, 292
- Lilybaeum, 23–4
- Lipari, 29
- ludi Romani*, 34, 78
- Lutatius Catulus, Gaius, 42
- Maecenas, Gaius, 194
- Mamertines, 19–22, 24, 27–9, 54, 251, 255, 297, 317
 - embassy to Rome, 30, 31–2
 - victory at the Kyamosoros River, 25
- Massinissa, 242
- measurement
 - Epiphanius of Salamis
 - On Weights and Measures, 190
 - of land, 131
 - of mass, 193–4
 - metrological standards
 - enforced by the State, 180–3
 - (in)accuracy, 176
 - lowering transaction costs, 303–5
 - state-sanctioned weights, 160
 - Sumerian weight from reign of king Shulgi, 159
 - trade weights, 343–4
 - and the State, 158–62
 - of time, 160
 - of volume. *See* volumetric measures
- Megara Hyblaia, 32, 87, 89, 90, 101
 - Building VI A, 132
 - standardized measures, 168–9, 173
 - temple (Zeus Olympios?), 61
- Menai, 89, 101, 278
- Menon, 22
- mercenaries, 19, 25–6, 255, 271
- Mercenary War, 42, 63
- merchants, 181, 303, 322
 - in Ptolemaic Egypt, 273–4
 - Rhodian, 48, 62, 308
 - and the structure of the Hieronian tithe, 304, 309
 - and trade in Sicilian grain, 307–8, 328
- Mergane, 24–5
- Messana, 25, 30, 85
 - besieged by Hieron II, 31–2
 - coinage in circulation, 329
 - seizure by the Mamertines, 19–22
- metrology. *See* volumetric measures
- Molossians, 24
 - royal house, 67
- Monreale Survey, 312–13
- Monte Adranone, 42, 294
- Monte Iato. *See* Iatas (Monte Iato)
- Monte Maranfusa, 312
- Morgantina, 32, 89, 91–4, 101
 - agora
 - building program, 59, 62
 - Central and South Shops, 169, 320
 - ekklesiasterion, 132, 236
 - granaries, 201–5, 215–16
 - capacity estimates, 216–20
 - East Granary, 205–12
 - West Granary, 212–15
 - Great Steps, 171
 - macellum, 324
 - Public Office, 132, 145
 - theater, 314
 - archaeobotanical remains, 217
 - and the ΣΙΚΕΛΙΩΤΑΝ coinage, 102
 - chora*, 139
 - Gornalunga River. *See* Rivers
 - intensive survey, 229, 316
 - settlement, 229, 316–18
 - city plan, 92
 - civic institutions, 100
 - clay sealings (*cretule*, *bullae*), 145
 - coin finds
 - Central and South Shops, 320–2
 - as indices of regional trade, 327–31
 - macellum, 324–7
 - site-wide, 268–70
 - coinage of, 217
 - destruction following the Roman siege of 211, 171
 - euergetism by local elites, 314
 - houses
 - House of Eupolemos, 315
 - House of the Two Mills, 315
 - peristyle houses near the agora, 314–15
 - in the kingdom of Hieron II, 93–4, 96
 - and prosperity of the third century, 313–15
 - residential neighborhoods
 - Collina Papa, 315
 - Contrada Agnese, 179
 - Contrada Drago, 171, 315
 - resistance to Rome, 101
 - sanctuaries of Demeter and Persephone, 171, 179
 - shops attached to houses, 179
 - standardized dry measures, 165–7, 172
 - stamped *akribazontos*, 184
- Mount Etna, 19, 25
 - and timber resources, 98, 114
- Mount Karasis, 224–5, 232
 - granary building. *See* granaries
- Mutyka, 89, 101
- Mylae (Milazzo), 27–9
- Myttistraton, 42, 55
- Naxos
 - standardized measures, 174–5
- Neaiton, 32, 87, 89, 98, 101
 - gymnasion*, 99

- Nebrodi Mountains, 28, 97
 Nereis of Epirus, 67–8, 265
 Nesiotic League. *See* Koinon tōn Nēsiōtōn (koinon of the Islanders)
 New Institutional Economics, 301–4, *See also*
 Economy
 and the ancient economy, 301–2
 Hieronian tax administration as rule-setting institution, 304–5, 331
 predatory states, 303
 Nice
 royal salt taxes (*gabelle*), 127
 Nikophon's Law on Silver Coinage, 294
 Norbanus, Gaius, 154
- Olympia, panhellenic sanctuary
 genealogical monument dedicated by Nereis and Gelon II, 67–8
 honorific statues of Hieron II, 48–9, 88
 standardized measures, 168
 Ostia, 64, 220
 Otacilius Crassus, Manius, 32, 85
- Palestine
 tax assessment on the threshing floor, 137–9
 Panormus (Palermo), 23, 312, 329
 coinage of, 322, 344
 Papyrus
 clay sealings, 145
 cultivation in Sicily, 156
 inkwells, 156
 Revenue Laws papyrus, 120
 tax receipts, 228
 tax registers and contracts, 145
 Pergamon
 granaries (“arsenal” buildings), 221–4, 226
 palace complex, 221
 Persephone, 3, 67, 68
 sanctuaries at Morgantina, 179
 on Syracusan coin types, 249–51
 Phalaris, tyrant of Akragas, 240
 Philinus of Akragas, 37, 41
 Philip II of Macedon, 101, 262
 Philip V
 and fortified granaries, 232
 Philistis, 26, 69
 coinage of. *See* coinage
 portrait with royal diadem, 66
 royal title, 71
 Philo of Byzantium
 Poliorcetica, 225–6
 Phintias (settlement). *See* Gela
 Phintias, tyrant of Akragas, 19–22, 94, 249, 296, 297
 Phthia, Queen of Epirus
 portrait coinage, 264–5
 Ploutos, god of wealth, 299
 Polizzi Generosa, 181
 Hoard. *See* Coinage
- Popillius Laenas, Gaius, 75
 prisoners of war, 32
provincia (consular assignment), 35
 former kingdom of Hieron II as a, 87, 90
 provincia vetus, 87, 90
 Ptolemaic dynasty
 Berenike II
 portrait coins, 71, 263–4
 Cleopatra II, 195
 Cleopatra III, 195
 coinage
 as a tool of political and economic integration, 270–1
 weight standards, 271
 influence on kingship of Hieron II, 63
 as manifested in Hieron's tax laws, 119–20
 as manifested through coinage, 71, 255–7, 263–5
 Ptolemy I, 29, 234
 Ptolemy II, 103, 119, 189
 bronze coins struck on Sicily, 255–7
 and Theokritos, 47
 Ptolemy III, 63, 136, 234, 263
 Ptolemy VIII
 Amnesty Decree, 191–2, 195
 royal granaries. *See* granaries
 royal officials
 assessing grain shipments, 191
 dioiketes, 188
 mint official, 273
 sitologoi, 227
 tax farming, 127, 130
 auctions, 135
 publicani, 148
 Pyrrhus I, king of Epirus, 23, 48, 255
 campaigns in Sicily, 23
 coinage of, 26, 50, 248, 264
 political standing among Sicilian *poleis*, 23–4
 Pyrrhus II, king of Epirus, 67
pyxis, silver
 found at Morgantina, 299
- Raddusa, 155
 Rhegion, 19, 31
 Roman siege of (270), 27, 30
 Rhodes, 234
 earthquake of 227, 62–3
 role in Mediterranean grain trade, 48, 308
 sanctuary of Athena Lindia
 dedication by Hieron II, 48
- Rivers
 Acquabianca River, 316
 Belmontino River, 316
 Chrysas (Dittaino) River, 32, 92, 97
 Gornalunga River, 92, 97, 229, 316–17
 Halykos (Platani) River, 19, 94
 Himera (Salso) River, 24
 Battle of (311), 31

- Hyblaëus (Dirillo) River, 97, 297
 Battle of, 22
Kyamosoros (Salso Cimarosa) River, 25
 Battle of, 25–6, 30–1
Longanus (Patri) River, 29
 battle of, 29–31
navigable, 97
 seasonal, 229
Olivo River, 89
Salsus River, 22
Symaithos (Simeto) River, 25, 97
Terias River
 battle of, 22
- Rome
 administration of Sicily, 99, 232, 312
 civitas decumana, 108
 and the *lex Hieronica*, 121–2, 329, 344
 and the *annona*, 311
 and Carthage
 Treaty of 241, 55
 coin circulation in Sicily, 321, 322
 and grain exports from Sicily, 327–8
 and Hieron II, 7–8, 18
 as model of a client king, 34
 Treaty of 263, 32, 52, 54
 and Hieronymos, 34
 and the Mamertines, 30, 31
 mint operations on Sicily during Second Punic War, 108, 215
 and the outbreak of the First Punic War, 31–2
- Samian Grain Decree, 231
Scornavacche, 297
Second Punic War, 34–5, 169, 202
 Cannae, 64, 220
Segesta, 23
Seleucid dynasty
 administrative center at Tel Kadesh, 195
 Antiochos III, 84, 224
 Antiochos IV, 160
 “Day of Eleusis,” 75
 dating systems, 160
 fiscal administration, 116
 garrisons and granaries, 224, 232
 magistrates, royal, 132
 relationship between cities and king, 98
 Seleucus II, 63
 State-sanctioned weights, 160
Selinus, 23, 55, 270
 Temple C archive, 156
shops. *See* Morgantina
Shulgi of Ur, 159
Sicily
 climate, 3
 as a perennial source of grain, 3
 in Roman narratives of imperial growth, 2–3
slavery, 55, 95
Sosistratus, tyrant of Akragas, 23
survey, archaeological
 Gela Survey. *See* Gela
 Monreale Survey, 312–13
 Morgantina Survey. *See* Morgantina, *chora*
symmachoi
 and the acclamation of Hieron II as king, 29
synedrion, 103
Syracuse
 Achradina, 49, 54, 57
 agora, 57
 besieged by Marcellus, 35
 coinage of. *See* coinage
 dēmos, 25, 67, 72
 Epipolai plateau, 58
 Euryalos fortress, 58
 Fifth Syracusan Democracy, 102, 277
 Great Altar, 56
 monumental granaries, 57, 229
 Neapolis, 56, 67
 palace of Hieron II, 57, 229
 Second Syracusan Democracy, 117
 Temple of Zeus Olympios, 57
 theater, 56, 68
 Third Syracusan Democracy, 262, 321
 water supply
 Galermi gallery, 58
- Talaria, 106
Tarentum, 23, 64, 328
Tauromenion, 23, 27, 32, 87–9, 97
 agora, 229
 dedication to Hieron II at Olympia, 49
 minting and coinage, 88, 275–6, 284
 temple under Santa Caterina, 61
 timber resources, 97
Taurus Mountains, 224
taxation
 administration under Hieron II. *See also* *lex Hieronica*
 compulsory sale of grain to the king, 306
 fostering market exchange, 311
 importance of archives, 135–6
 information-gathering and dissemination, 144–7
 legal protections, 128–30
 loci of administration, 132–4, 227–8
 officials and magistrates, 132
 proportional harvest tax, 124–5
 reporting of agricultural production, 131–2
 tax farming, 125–8
 on agricultural production, 115–16
Carthaginian on Sicily, 116
census
 professio iugerum, 131
 professio sationum, 131
 subscriptio aratorum, 131, 132
contracts
 between tax farmers and the State, 136

- taxation (cont.)
 - pactio, 136
 - sungraphē*, 136, 141
 - under Hieronian law, 136–7
 - dekatē*, Syracusan, 117
 - exemption from, 115
 - experience of, 130–1, 137
 - Harbor dues (*ellimenion*), 115
 - pasture tax (*scriptura*), 115
 - in pre-Hieronian Sicily, 116–18
 - in the Ptolemaic kingdom, 119–20
 - rates, 151
 - records
 - archives, 137, 141
 - duplication of, 136–7
 - and the royal economy, 116
 - salt tax, 136
 - tax farming, 125–8
 - by the Athenians, 126
 - auctions, 134–6
 - contracts, 136
 - introduction by Hieron II, 125
 - in the Ptolemaic kingdom, 127
 - oversight, 129–30
- Teke Kale, 224
- Tel Kadesh, 195
- Theokritos, 47–8, 298
- Thoinon, the Syracusan leader, 38
- Timaeus of Tauromenion, 35, 39
- timber, 98
 - forested land in Sicily, 237
 - from Mount Etna. *See* Mount Etna
 - use in granary construction, 204–5, 225–6
- Torremuzza. *See* Castelli, Gabriele Lancillotto
- Torrentius, Laevinus, 245
- Troina, 31, 105
- Tyndarion, tyrant of Tauromenion, 23
- Tyndaris, 28, 31, 87
- Upper Belice Valley, 312
- Val di Mazara, 181
- Valerius Laevinus, Marcus, 328
- Valerius Maximus, Manius, 32, 85
- Valguarnera, 155
- Valverde, 297
- Verres, Gaius, 2, 121–2, 129, 137
- volumetric measures
 - accuracy, 176, 184, 189
 - overseen by an official, 187, 191
 - Codice metrico-siculo*, 182
 - conversion tables of 19th-century Sicily, 182
 - described by Eratosthenes, 143, 189
 - distribution of, 169–75, 179–80, 187–8
 - for dry goods, 165–8
 - Hieronian typology, 165–8
 - medimnos* (Attic), 177–8
 - medimnos* (Sicilian), 178
 - metrology of Hieronian types, 176–7
 - from pre-Hieronian Sicily, 173–5
 - Ptolemaic *artaba*, 178, 197
 - Roman *modius*, 178
 - sacks, 177
 - salma*, 181
 - endorsed by the State, 159–60
 - for liquids, 168–9
 - materials used for manufacture, 177, 190
 - multiplicity of standards on Sicily, 181–2
 - in Ptolemaic Egypt, 188, 190, 191
 - abuses by officials, 191–2
 - sekōmata*, 190
 - stamped
 - akribazontos, 183–8
 - with names of magistrates, 187
 - standardization
 - benefits of, 162–3
 - Early Modern efforts on Sicily, 181–3
 - essential for taxation, 162–3
 - as an expression of royal power, 192–3
 - within the kingdom of Hieron II, 163–79
- Washington, George, 157–8
- Weber, Max, 46
- wine, 312, 334
 - vineyards, 125, 135
 - wine press, 317
- wool, 114
- Zeus, 262
 - Hellaios, 67
 - Olympios, 48, 53, 56–7, 61, 68
 - Sōtēr*, 54