

INDEX

- abortion, 119, 165, 193
 acorns, 140, 152–53, 154, 157, 158, 160
 Acqua Acetosa Laurentina, 148
 Acquafredda, 151
 Acquarossa, 161, 210, 312
 Adad, 66–67, 115, 183, 243, 248, 249, 253, 256,
 306, 326
 Adad-aplu-iddina, 244
 Adapa, 244, 262
 Aequi, 197
 Aesculapius (Asklepios), 28, 59
aesir (*aeseras*, *aiseras*), 50, 60, 257
 “affliction of plenty,” 196
Ager Faliscus, 214
Agrimensores (surveyors’ guild), 125
Ahiqar, 272
Airs, Waters, Places (Hippocratic), 183, 186, 188
 Akkadian omen literature, 281
 Akko, 66
 Alalia (naval battle), 139, 192, 197
Alamdimmû, 243, 244–45
 Alban Mount, 166
 Albegna valley, 172
Almagest, 259
 Almuñecar, 269
 Alvethna family, 258
 Amarna tablets, 262
 Ammianus Marcellinus, 51, 288
Amurru (West), 111, 121, 250, 336
 anatomical votive models, 169–70
 anemia, 141, 172, 174, 177, 180, 185
 animals, 119–20, 138–39, 153
 animal sacrifice, 20
Annales Maximi, 35
Annals (Assyrian), 59
Anopheles mosquitoes, 195–96
 anthrax, 188, 190, 190 n. 118, 197
Antiates Maiores (*Fasti*), 107
 Antium (Anzio), 107
 Antonine (Aurelian) plague, 166, 190 n. 121, 192
 Antony (Marcus Antonius), 289
Apkallû, 244, 274, 355
Apotelesmatika, 279, 292
 Apries (Arnth Apries of Tarquinia), 49
 Apsu, x, 355
 Apuleius, 59, 291
 Arabs, 123
 Aramaic (language, inscriptions), 268, 274, 280–82
 Aranth Heracana, 222
Arbores infelices, 287
 Arene Candide, 188
 Arezzo, 182, 217, 227
 Aristotle, 37
 Arnth Praxias, 216
 “Arruns,” 27–29, 60, 125, 316–17
 arthritic conditions, 176, 178, 179, 180, 193
 artists’ signatures, 222
 Arval Brethren, 22, 133
ašakku-disease, 118, 181
 Ashur, 66–67
 Ashurbanipal, 235, 248, 254, 260, 262, 268, 271,
 273, 275, 276, 277, 352
 library of, viii, 245, 248, 252, 256, 274, 275, 305,
 352
 Ashurnasirpal, 67, 268, 352
 Astarte, 25
 asthma, 183, 192
Astrologoumena, 292
 Athenio, 126
 Athens, 224, 271
 Athens Codex 10, 123
 Atilius (Marcus), 135
 audio frequencies, 38–39
 Augustine, 291
 Augustus/Octavian, 8, 194
 Avellino event, 46, 156, 351
avil (Etr. “year”), 109
 Bab-edh-Dra, 188
 Babylon, 113
 Babylonian/Akkadian texts, 181
Babylonian Planetary Omens, 112

- Babylonian system (calendar, time-reckoning), 109, 328
- Balaerics (Balaeric islands), 39–40
- Balasi, 254
- Banche, 207
- Barche di Solferino, 147–48, 154, 207
- barley, 139, 143, 155, 157, 159
- barometric pressure, 171, 183, 189
- Bārātu*, 243, 257, 280, 355
- Bauernregeln*, 249
- berries, 152
- Beth Shean, 66
- bibbu* (pestilence, Mesopotamia), 181
- Bidental/bidentalìa*, 59–60, 63, 210, 306, 309
- bifurcate tooth roots, 177
- biometeorology, 183
- bird(s), 119, 146, 156, 198–200
- birqu*, *bir-qa*, 49, 67
- births, abnormal, 251
- birātu*, 49
- Bisenzio, 230, 235
- blind-mice, 151
- boar(s), 120
- Bogazkhöy, 66
- Bologna, 156, 175, 182, 213, 214, 220, 224, 286
- Bologna *tintinnabulum*, 236
- Bolsena, 46–47, 65–66
- bones, 173, 176, 178
- borers, 151
- Boscovale, 145, 146
- boundary (-ies), 125
- bounty, 118
- bowls, metal (Assyrian), 273, 309
- Bozzolo (Mantua), 162
- bronchitis, 188
- brontologion*, *brontologia*, ix, 123, 259, 281, 293, 311
- Brontoscopic Calendar*, Etruscan
 English translation, 86–101
 Greek text, 73–85
- brontoscopium*, *brontoscopia*, 105, 108, 276,
 Chapter 9 passim, 289, 293, 355
- brucellosis, 188, 192, 193–94, 197
- bubonic plague (*Yersinia pestis*), 166, 171, 192
- Budrio, 180
- Bulla*, 212
- Byblos, 66
- Byzantinisms, 12, 25, 124
- Byzantium, 25
- Cadiz (Gadir), 269
- Caecina/Caicna (family, various members of), viii,
 26, 57, 112, 282, 286–87, 353
- Caere/Cerveteri, 25, 146, 147, 148, 172, 219, 220,
 230, 271, 287
- Caeretan inscriptions, 216
- Caeretans, plague affecting, 139, 192, 197
- Caesar, 8, 14, 15, 31, 112, 139, 229, 353
- Cafates/Cafatius, 49, 51, 257
- calendars, comparative table, 328
- Camillus, 143
- Campania, 157, 158, 166, 174
- Campanians, 214
- Campester/Campestrio, 282
- Campo della Fiera, Orvieto (*fanum Voltumnae*),
 66, 220
- Campylobacter, 200
- camthi eterau*, 218, 231
- Cannicella goddess (Orvieto), 307
- Canticum Rusticum*, 142
- Capito, *see* Fonteius Capito
- Capua tile, 5, 23, 34, 106–8, 125, 127, 134, 206, 217,
 274, 309, 355
- caries (tooth decay), 175, 176, 180
- Carthage, 41, 220
- Casale Marittimo (Casalvecchio), 150, 154, 230,
 271 n.151
- Castel di Decima, 273
- Castel San Mariano (chariot), 61
- Castenaso, 159–60, 179–80
- Castiglione, 176 n.37
- catasterism, 8
- Catiline, 14
- Cato, 144, 209
- cats, 151
- cattle, 144–45, 159, 161, 198
- Cel (goddess, “Earth”), 109
- Celano, 159
- “Celer,” 106
- Censorinus, 29–31
- cereals, 143, 155, 160, 162, 174
- Cerveteri, *see* Caere
- Chaldei, 7, 12, 14
- (Chaldeans), 34, 123, 355
- chariots, 197, 205, 222, 234–35
- chestnut(s), 160, 162
- chicken, 146, 156
- chickenpox (*Herpes zoster*/ shingles), 191
- childbirth, 119, 165, 171, 221
- childhood diseases, 191, 199
- children, 211–12
- Chiusi, 62, 172, 178, 218, 220, 225, 228, 257
- chlamydia, 198
- cholera, 171, 184
- Christian epitaphs, 195
- Cicero, Marcus Tullius, 5, 6, 19, 21–22, 31–33,
 53–55, 131, 286–87, 353
- De divinatione*, 112, 241, 315–16 (Appendix A
 text 1), 320–21 (Appendix A text 6)
- De haruspicum responso*, 13, 19, 32, 126, 312,
 317–18 (excerpts = Appendix A text 3)
- Cicu, Nae (Gnaeus), 257
- citizens, 206
- Civil War (Roman) 26, 229
- Civitavecchia, 148
- Claudius (emperor), 5
- Claudius Tuscus, 11, 108, 124, 282, 283–85 (Table
 9.1), 286, 289–95, 311
- Cleopatra, 289
- cliens libertus*, 218

Index

* 401

- climate change, 38–39
Cloaca maxima, 186
 Clodius Pulcher (Publius), 19, 32, 127, 353
 Cnaeus Flavius, 23
Codex Casolinus, 11
 codices with *brontological* texts
 Athens 2, 299
 Athens 5, 299–300
 Athens 10, 300
 Athens 11, 300–31, 302
 Berlin 25F.12, 295–96
 Berlin 26F.152V, 296
 Bologna 18, 294
 El Escorial 1 (F.161), 301
 El Escorial 1 (F.165), 301, 302, 345–48 (Appendix C text 3)
 Geoponica 1.10, 301–2, 348–49 (Appendix C text 4)
 London Harleian 47, 298–99
 London Regius 48, 299
 Milan 19F315, 294
 Naples 20F123V–125V, 294–95
 Naples 20F.125v–127, 295
 Paris 35, 296
 Paris 43, 297
 Paris 44, 297–98 (multiple texts)
 Paris 61, 298
 coins, 148
 colonization, 197
 Columella (*De re rustica*), 123, 144, 147, 151, 162, 192, 290, 353
 comet(s), 10, 26, 31
 commonwealth, 205
 Como, *see* Vigna di Mezzo
Consentes (Dii Consentes), 57–58
 Constantine VII Porphyrogenitus, 301
 Constantinople, 3, 9, 16, 124, 192, 205
 consumption (φθίσις) 188–89
 Corinthians, 275, 310
 Cornel fruits/berries (dogwood), 152, 154, 156, 160
 cosmic rays (galactic cosmic rays), 37–40
 costume/clothing, 215
 “cough,” 187–88
 Creice, 222
cribra orbitalia, 174, 175, 180, 185
 Croce del Papa, *see* Nola (Croce del Papa)
 crop rotation, 170
 C-section, 170
 Cumae, 215–15
cuniculi, 186, 195
 Cures Sabini, 148, 151
curia (curiae), 130, 229
 Curtius, Marcus, 130
 Cusna, 222
 Cybele, 28
 Cyprus, 4, 234, 271, 274
 Daunians, 214
 David, ix, (Table 9.1)
Decemviri sacris faciundis, 28
 deer, 145, 161
 deformity, 198, 199
 Delphi, 192, 271
 Demaratus, 268, 310, 352
 Demeter and Persephone, 28
 dendrochronology, 151
 dental health, 178, 180
 destruction, 181, 198
deteriores, 126–27
 diarrhea, 186, 187
Dii (various: *Superiores, Involuti, Penates, Consentes et Complices*), 58, 325
Dii animales, 290–91 (also title of work by Labeo)
Dii Involuti, 61
 Diodorus Siculus, 52–53, 136, 353
 Library of History excerpt, 318–19 (Appendix A text 4)
 Dionysios of Halikarnassos, 44, 135, 167, 353
 diphtheria, 189
 diplomats, Aegean, 266
 discord (δισχονοία), 111, 217
 disease(es), 118, 125, 129, 181, 195
 of flocks, animals, 119
 predictions, Chapter 6 passim
 “Disease of Canaan,” 190
 Divination
 “artificial,” 242
 “natural,” 241
 divination literature, Canaanite, Phoenician, 265–66
 dog(s), 120, 159, 192, 197, 252
 donkey (bones), 271
 Dorotheus of Sidon, 292
 δουλομαχία, 229
 δούλος, 226
 downfall (of one in power), 118–19
 “dragon” (*mušhullu*), 120
 Drusus (M. Livius) 29
 duck, 155
 “dumb animals” (ἄλογοι), 130, 139, 197
 dysentery, 186
 earthquake, 253, 283–85 (Table 9.1), 286
 eclipse, 27, 44, 164, 165 n.2, 183, 250
 Egyptian calendar, 109
 Elam, 264
 electrical storms, 183
Elogia Tarquiniensia, 231, 288
 Emar, 264
 enamel hypoplasia, 173, 175, 176, 178, 180, 185
Enbu-bēl-arhim, 247
 Enkomi, 265
 Enmeduranki, 243, 351
 Enoch, ix
 enteric disease, 186, 197
Enuma Anu Enlil, ix 114–16, 118–19, 121, 122, 123, 124, 151, 165 n.2, 181, 181 n. 67, 183, 190 n.119, Chapter 8 passim, 244–45, 248, 249–50, Chapter 9 passim, 311, 328–31, 355

- environmental change(s), 20; *see also*
 Hallstatt Minimum
Ephemeris, 290
 “epidemic of Perinthos,” 198
Epidemics (Hippocratic text), 199
 epilepsy (*bennu*), 118, 181
 Erechtheus, 59
ergasteria, 201
 erysipelas, 199 n.159
 Esagil-kin-apli, 244, 351
 Esarhaddon, 245, 254, 260, 267, 268, 276, 277, 352
 Esdras the prophet, 283–85 (Table 9.1), 299
 Este, 147, 201
etera, 218
 Etna, 46
etruscan disciplina, viii, 3, 12, 15, 20–21, 26, 31,
 57–58, 106, 125, 139, 170, 229, 304, 308,
 315–16, 355
Etruscan Brontoscopic Calendar, text
 English, 86–101
 Greek, 73–85
 Euboians, 275
 Eudoxus, 298, 300
 exogamy, 175
 expiation, 27
 extispicy, 242, 355
- “faces of the gods,” 61, 116
 Falerii, 271, 274
 Faliscans, 219
familia rustica, 223
 famine, 118
farrago, 143
farrata, 143
fascas, 213, 230, 272
Fasciola hepatica (liver fluke), 184, 186, 187
Fasti, 107, 133
 favism, 196
 Felsina, *see* Bologna
Feralia, 128
 Fermo, 220
 Festus, 217
Manubiae, 324 (Appendix A text 10)
 Fiavé, 147, 153, 207
 fibulae (Villanovan), 214–15
 Ficana, 41, 148, 151
 Fidenae, 151, 217
 field-voles, 151
 Fiesole, 182
 Figulus, Publius Nigidius, vii–viii, 5–8, 15, 19,
 283–85 (Table 9.1), 353
 titles of works, 7
 filariasis, 171
 fish, 119, 146–48, 156, 161, 200
 fishermen, 148
flamen/ flamines, 107
 flanged axe, 234
 flocks, 144–45
 flood (of Tiber), 44
Floralia, 131
- fodder, 158, 162
 Fonteius Capito, 11, 14, 18, 34, 108, 124, 259, 282,
 283–85 (Table 9.1), 288–89, 311
Brontoscopia, 339–43 (Appendix C text 1)
 food
 offerings, 153
 supply, 137–38
 footstool, 273, 308, 309
 Forcello di Bagnolo di San Vito (Mantua), 147,
 151, 156, 161
 “four-footed” (τετραπόδοι), 130, 139, 197
 François Tomb, Vulci, 106, 233
Fratres Attiedii, 130
frontac (Etr.), 49
 fruits, 140, 143, 152–53, 163
fulgur conditum, 65
fulguriator (fulguriatores), 49, 63, 355
fulmen condere, 59
fulmina regalia, 112
- Gabii/Osteria dell’Osa, *see* Osteria dell’Osa
garum, 148
 Gauls, 134, 136
 Gelidonya, shipwreck, 267 n.135
 Gellius, 6, 290
gens, gentes, 218, 229
 Gens Cilnia, 227
Geoponica, 283–85 (Table 9.1)
 Gezer, 66
 goats, 145, 156–57, 159, 161, 197
 goatskins, 193
 good health, 182
 Gordion, 66
 Gordion (“Tomb of Midas,” Tumulus MM-42), 42,
 155 n.97, 274
 Grabovius, 130
 Gracchan land reforms, 29
 grain(s), 140, 143, 157, 159, 161
 Gran Carro (Lake Bolsena), 160–61, 210, 217
 grapes, 144, 152, 160
 grasshoppers, 151
 Graviscae (Gravisca), 270
 Greek cities, 173
 Greek colonists, 214–15
 Greenland ice cores, 46
Gruppo di Orvieto, 63
 Gubbio, 130
 Guerruccia, 176 n.36
 Gula, 181
- Hala Sultan Tekke, 66
 Hallstatt Minimum (Hallstatt Disaster), 40–42,
 44–45, 68, 158, 160–61, 183, 306, 351–52
 Hannibalic War (Second Punic War), 136
 Hanno’s voyage, 267
 Harris lines, 185
 haruspicy, *haruspices/haruspex*, 5, 19, 22, 33–34,
 49, 52, 123, 145, 187, 255–58, 337, 355
 Greek (terminology), 256
 Mesopotamian texts, 337–38

Index

* 403

- harvest, 196
 Hasanlu, 67
 Hattuša, 251, 263–64
 heavy metal poisoning, 163
 Hebrew calendar, 109, 328
 Hekla (Iceland), 189
 Hellenistic Greek scholarship, 259
 hemerologies, 247, 355
 hepatoscopy, 19, 274
 Hephaestion of Thebes, 279, 283–85
 (Table 9.1), 292
 excerpts from *Apotelesmatika*, 343–45 (Appendix C text 2)
 Heraclius, 123, 283–85 (Table 9.1), 298, 300
 Hecnas, 222
 Herculaneum, 157 n.102, 158 n.112, 162–63, 188, 189, 193, 202 n.169
 herds, 144–45
 Hermes Trismegistus, 259, 283–85 (Table 9.1), 356
 Herodotus, 197
 Hesiod, 130, 166
hieros gamos, 220
 Hippokrates, 193, 196
 Hippocratic texts/corpus, 166, 183, 186, 188, 198, 199, 202
 Hiram of Tyre, 272, 308
 Hisa Tinnuna, 215
 Hittite kingdom, diplomacy, 263–64
 Homer, 130, 166
 Homeric epics, 267
 honey, 150
 Horace, 289
 horoscopes, 276
 horse, 145, 234
 Huelva, 41
 hydatid disease, 187
 hymns, 288
- Iberia, 214
 “Iceman,” 186
 Ides, 107–8
 Ides of March, 112, 229
Iguvine Tables, 25, 130, 134–35, 144, 198
 immune system, 184
 inbreeding (livestock), 157–58, 198
 infant (child) mortality, 177, 178, 179, 180
 infectious disease, 178
 influenza, 198
 Innana-Ishtar, 307
 insects, 151
 insomnia, 187
Iqqur ipus, ix, 114, 120–21, 123, 252–54, 311, 335–36, 356
 Ishtar, 248, 307
iškar baruti, 275
 Isola del Giglio shipwreck, 262
iuvenes, 219
iuventus, 218–19
 ivory, 272
- John the Lydian/ Johannes Lydus, viii, 3, 8–11, 25, 288, 353
 De ostentis, viii, 3, 9, 11, 25, 115, 117, 119, 282
 De mensibus, 11, 124, 293
 De magistratibus, 11
 On Signs, 279
 Julian calendar/Julian system, 106, 328
 Jupiter (Zeus), 55–58, 59
 Justinian, 9, 12, 170
 Juvenal, 143
- Kalatur, 216
 Kalchas, 258
 Kalḫu, *see* Nimrud
kalūtu, 243
 Kapaneus, 59
 Kape Mukathesa, 222
kardiophylax, 235
 Karmir Blur, 67
karum (Assyrian), 263
keraunos, 61, 66
 Khorsabad, 262
 king, 129, 220, 229–31
 kings of Rome, 44
 Kosovo, 193
 KTU 1.163 (Canaanite text), 265–66
kudurru (Assyrian), Fig. 14, 24, 66, 306–7
 Kültepe, 66
 Kuyunjik, 245
Kvsnaillise, 222
- Labeo (Cornelius?), 11, 14, 282, 283–85
 (Table 9.1), 286, 290–91
 Lachish, 66–67
 Lactantius, 288
 Lacus Curtius, 129, 167
 Lago dell’Accesa, 41, 210–11
Laienastrologie, 14
 Lake villages, 39
 La Marmotta (Lake Bracciano), 152
 Lamaštu demon, 118, 181
 Lars Pulenas, 5
 Larthai daughter of Telicles, 216, 224
 Larthia, wife of Velthur, 221
latifundia, 227
 Latins, 214
 Latium, 148, 176, 212
lautneteri, 218
Lautni, 218, 228
lautnitha, 228
 Lawrence, D. H., viii
 Lazise, 154
 leanness, 182
 lecanomancy, 242
 Lecu, Aule, 257
 Ledro, 154, 207
 Leinie family (Orvieto), 49
 leprosy, 171, 190 n.119
 Les Grandes Corvées, 207
 Lethaie/Lethaies, 228

- Letham (god of underworld), 23
 Lethe (Etr.), 222
 Levant, 197, 212, 234
 Levantine colonists, 214–15, 275
Lex regia de mortui inferendo, 170
Liberalia/Agonalia, 128
Liber Linteus, see Zagreb Mummy Binding
libertini, 227
libertus/liberta, 228
 Library of Ashurbanipal, see Ashurbanipal: library of
Libri fulgurales, 112
Libri tonitruales, libri rituales, libri acherontici,
 16, 23
 Libya, 196
 lice, 189, 194–96
 life expectancy, 162
 lifespan, Etruscan epitaphs, 254 n.67
 lightning, lightning-bolt (*L. fulmen*)– 16, 26, 27,
 37–38, 45, 58–60, 131, 232, 252
 Listeriosis, 181 n.67
lituus, 213, 230, 232, 305, 309
 liver-fluke, 151
 livestock, 193
 Livy, 197, 209
 Lixus, 267
 locusts, 151
 longships, 221, 228
 louse, see lice
 Lucan, 6, 8, 26, 27, 60
 Lucius Piso, 56
 Lucretius, 37, 53, 192
De rerum natura excerpt, 319–20 (Appendix
 A text 5)
Lucumo (Etr. *lauch*-?), 230
Lupercalia, 128, 193–94
- mace, 235
 Macrobius (*Saturnalia*), 27, 60, 287
Macstre/mastarna/magister, 213
 Maecenas, 289
 Magi, 263
 Magliano (lead plaque), 109, 257
mahhû, 242
 malaria, 141, 167, 177, 180, 184, 185, 192, 194–96,
 226
 malnutrition, 178, 184–85
 Malta fever, see brucellosis
 Manilius, 192
manubiae, 61, 261
 Mari, 243, 260–61
 Marsiliana d'Albegna, 64, 262, 306, 309
 Martial, 143
 Martius (prophecies of), 27
 Marzabotto, 182
masseboth (standing stones/ baetyls), 66
Matronalia, 223 n.93
 meals, 154
 measles, 190–91
 Megiddo, 257
- meleri* (Etr. “crops”), 127
 menologies, 252, 356
 Menrva/Minerva (Athena), 60–61
 Mesopotamian omen literature, 111, 113, 139, 151,
 164, 165, 202, 226, 233, Chapter 8 passim,
 304, 306 Appendix B passim
 formatting, 246
 Mesopotamian Standard Calendar, 105, 107, 108,
 110, 246–47, 304
 Metru, 216–17
 Mezentius (Lauclie Mezentie), 128, 230
 Micali Painter, 222
 mice, 151
 middens, 186
 miscarriage, 193
 models, sheep liver, 265
 Modigliani, 182
 Monte Argentario, 147
 Monte Cucco (Latium), 146
 Monterozzi (Tarquinia), 142
 Montescudaio urn (Volterra), 223
 month-names, Roman, 110 (Table 4.1)
 month-names, Babylonian, 110 (Table 4.1)
 month-names, Phoenician, 110 (Table 4.1)
 MUL.APIN, 123, 181 n.71, Chapter 8 passim, 244,
 250, Chapter 9 passim, 311, 331–32, 356
 mules, 192
 mumps (parotitis), 198–200
mundus, 153
 Murlo, see Poggio Civitate
 Myrsilos of Lesbos, 167
 myths, 164
- Nabû-iqiša, 255
 Nabû-zuqup-kēnu, 122, 251, 262, 337, 352
Namburbû, 261, 356
 Napoleon, 193
 Narce, 165, 177–78, 212, 230, 273
natinusnal etc. (Etr.), 217
 Nebuchadnezzar, 307
 “necessities of life”, 162, 163
 “Nechepso,” 283–85 (Table 9.1), 292
nefts, 213
 Nemi, sanctuary of Diana, 182
 Neolithic Revolution, 152
 Nepi, 222
 Nestor, 275 n.168
nethšrac, netsšvis, 52, 256–57, 355, 356
 Newcastle disease, 198–200
 New Year (Mesopotamian), 247
 Nimrud, (Kalḫu), 67–68, 113, 262
 Nimrud, Temple of Nabû, 261
 Nineveh, 113, 243, 271, 272, 273
 Ninurta, 67
 noise (sound, radio noise, galactic noise etc.),
 38–39
 Nola (site of Croce del Papa), 46, 151, 156–58,
 163, 174, 197, 200
 Nora (Sardinia; Nora stones), 42
 Norchia, 165

Index

* 405

- Novensiles*, 57
 Numa Pompilius (king of Rome), 23, 56, 59, 107,
 134, 166, 170, 225, 232, 270 n.147, 305
 “books of Numa,” 35
 Numnei, 222
 Nuragic artifacts, 214
 nutrition, 184–85
 nuts, 138, 143, 152
 Nuzi, 264
- obesus etruscus*, 182
obsecratio, 56
 Obsequens (Julius), 35, 47, 129, 167–69 (Table 6.1)
 οἰκέται (“household slaves”), 227
 oil, 140
 Oinarea, 219
 olive(s), 140
 Olta, 52
 Olympia, 271
 “Ombra della Sera,” 182
 Oplontis, 158 n.109, 162, 163
Ordo LX Haruspicum, 288
 Orientalizing period, 42–43
 Orvieto, *see* Volsinii
 Oscans, 180
 osteological studies, 173, 176, 177–78
 osteomyelitis, 193
 Osteria dell’Osa, 22, 174, 176, 212, 216, 224, 273
 Ovid, 128, 133, 192, 290
- palace, 229–30
palafitte, 152–53, 154, 207–08, 356
 Palermo/Panormos, 269
 Palestine, 42, 273, 281
 Paphlagonian, 224
 papyri
 Egyptian, 190, 202, 278
 Greek, 293
 paramyxoviruses (avian, human), 198–99
Parapegmata (Greek), 293
 parasites, 186, 187
 parasol, 205
Parentalia, 109, 128
Parilia, 210
 parotitis, *see* mumps
paterfamilias, 219, 222, 231
Pava Tarchies, 22 (*see also* Tages, Tuscania)
 Pelasgians, 167
 πενέσται, 227
 Perperna (M.), 31
 Persian (Achaemenian) conquest of Near East, 278
 Persian king, 226
 Perugia *cippus*, 5, 24–25, 125, 307
 Perusia (Perugia), 6, 24, 173, 218, 225, 228, 235
 Pesaro, 257
 pest(s), 118, 141, 150–52, 158, 161, 163
 pestilence, 181, 183
Pestilentia, 193
Pestis, 193
 Peticina, 216
 Petillius (L.), 134
 Petosiris, 10, 259, 279, (Table 9.1), 292, 356
 Pharsalos, 6
 Philistines, 166
 Phlegon of Tralles (*Book of Marvels*), 28
 Phoenician (inscription, language), 25, 274
 Phoenician colonies, 267, 269–70
 Phoenician masonry style, 232, 270, 310
 Phoenicians, 269–70, 272
 Piacenza liver model, 51, 62, 125, 187, 257, 306,
 356
 pig(s), 120, 145, 159, 161
 Piovego, 201
 pip (*pituita*), 191
 Pisa, 63, 305, 309
 Piso, Lucius, 56
 Pithekoussai, 177, 195, 214–15, 226, 267, 271,
 274–75, 306, 352
Pittore della Nascita di Menerva, 222
 “plague”, 28, 166–67, 181, 191–93, 203
 “plague of Athens”, 166, 191, 194
Plasmodium falciparum, 195–96 (*see also* malaria)
 Plautus, 143
 Plikašna situla, Fig. 19, 154, 236
 Pliny the Elder (*Natural History*), 45–47, 55–57,
 123, 134, 144, 150, 151, 287, 321–24 (Appendix A texts 7, 8, 9), 353
 Plutarch, 59
 pneumonia, 188
 Poggio Civitate (Murlo), 211, 217, 310
 Poggiomarino, 41, 158
 Polada, 154
 polio (poliomyelitis), 192, 194
 pollen, 155
 Pompeii, 47, 145–46, 148, 151, 153, 157 n.102, 158
 n.109 n.112, 162–63
 Pompey, 6, 8, 14, 112, 353
 Pontecagnano, 141, 180, 271, 273
pontifex, 107
pontifex maximus, 289
 Pontine marshes, 196
 poppies, 152, 160
 population (density), 172
 Populonia, 147, 148, 213, 214, 217, 229–30
populus, 229
 porotic hyperostosis, 172, 173, 180, 185, 197
 porridge, 161
 Porsenna (Lars), 52, 231, 262, 323
 Poseidon, 59, 66
 Posidonios, 225–26
 Postumius (haruspex), 112
 Pott’s disease, 173, 188
 Pozzuolo (Perugia), 188
 Praeneste, 133, 271
 Praeneste, Bernardini Tomb
Prayer to the Gods of the Night, 263
 “prince, princess,” 212, 221
 princely tombs/burials/goods, 221
prodigia (prodigy/prodigies), 14, 19, 26, 167–69,
 171, 270 n.146

- Prodigies of the Fall of Akkad*, 122–23
Prophecy of Vegeoia, 16, 24, 26, 28–29,
 124–25, 127, 165, 170, 202, 307, 316–17
 (Appendix A, Text 2)
 prophets, itinerant, 208, 263
 Protovillanovan period, 21, 158, 159, 208–9
 psittacosis, 198
 Ptolemaic omen literature, 278–79
 Ptolemy (astronomer), 10, 259, 290
 Ptolemy, “Claudius,” 279
 public works, 159
puer senex, 232
 Puiuna, 222
 Pulenas, Lars, 257
puls (L. “porridge”), 141, 143, 356
 pulses, 140, 144, 155, 160, 161
multiphagi, 143
 Pultuce, 222
 purple (dye), 272
 Pyrgi, 147, 220, 270
 Pyrgi plaques, 5, 24–25, 109–10, 220, 230–31
 Pyrgi Temple A, 61
- Qatna, 264
 “queenly city,” 205
 Qumran Caves, ix, 18, 306
 Qumran papyrus (4Q318), 123, 276,
 280–82, 311
- rabies, 171, 171 n. 13
 radiocarbon dating, 40–42
raggimu-/raggintu, 242
 Ramses V, 190 n.120
 Ramtha Višnai (Boston sarcophagus of), 226 n.109
rapādu-disease, 118, 181, 181 n. 67
 Raqunthia Tipeia, 224
 Ras Shamra, *see* Ugarit
 regalia (Near Eastern, Etruscan), 272
 Regolini-Galassi Tomb, Cerveteri, 221, 272
 Remzna, Arnth, 257
 reptile(s), 120, 149–50, 158, 200–20
Revelations for the Kingdom of Nippur, 326–27
 revolts (στάσεις), 111
 rhinoviruses, 188
 rickettsial pox, 190
 “ringworm” (*Tinea*), 190
 Ripaie, 176 n.36
 Riserva del Ferrone (Monti della Tolfa),
 141–42, 179
Robigalia, 128
 Roman day, reckoning of, 109
 Roman Forum, 148
 Rome, 124, 172, 186, 194, 196, 205
 Romulus, 59, 210, 232, 288, 305
 Romulus and Remus, 44, 106, 234
 rooftiles (Corinthian, Etruscan), 310
 roundworm, 186, 187
 Roverbella, 160
 Rubiera *cippus* (inscription), 230
 Rubula virus, 198
- Ruler, 129, 229–31
 Rutile Hipucrates, 216
- šabrú*, 242
 sacred sites, 153
saeculum (-a), 29, 30, 106
 Salamis (Cyprus), 269
 Salii, 22, 107, 132–33, 270 n.147
 Salmonella, (salmonellosis), 200, 200n.165
 “same, the,” 115–16
 Samsuiluna of Babylon, 247, 351
 San Giovenale, 47, 161, 179, 210
 San Lorenzo a Greve, 144
 San Paolo Belsito, 157, 174
 Sant’Abbondio, 174–75
 Santa Marinella, 148
 Sant’Antimo (Montalcino), 66
 Sardinia, 42, 196, 213, 270
 Sardinians, 214
 Sarepta, 270
 Sargon II, 122, 235, 260, 274, 277, 352
 Saserna, 44, 160
 Sasso di Furbara, 148
šasû (Assyrian “thunder”), 115
 Satricum, 41, 153, 161
Saturnalia, 223 n.93
 scarabs, 271
 schistosomiasis, 171
Scholars’ Research Reports (Assyrian), 254–55,
 336–37
 seafood, 120
 seals (scarabs), 271
seismologia, ix, 108, 293, 302, 356
 Seleucid omen literature, 279–80
selindromia, 281, 293, 356
 Semele, 59
 Seneca, 19, 57–58, 131, 192, 287, 353
Quaestiones Naturales, 324–25 (Appendix A
 texts 11, 12, 13)
 Sennacherib, 122, 166, 235, 260–61, 268, 277, 352
 servants/caretakers (θεράποντες), 225
servi (L. slaves), 217, 227
 servile class (τὸ δουλικόν), 225
 Servius (author), 7, 55, 112, 209, 290
 Servius Tullius, 225, 230
 Shalmaneser III, 68, 268, 352
 Shamash, 243, 248, 249
 sheep, 145, 155, 157, 159, 161, 197
 Shield of Mars, 132
 shields, 131
 shooting star 26
Sibylline Books, 21, 26, 28, 135, 151
 sickness, 118
 Sidon, 268
 Silius Italicus, 192
 Sin (Bab. Moon-god), 248
 skeletons, skeletal studies, 142, 157, 162, 201
 skin lesions, 189
 slave revolt, 226
 slavery, 223–29

Index

* 407

- slaves, 201–2, 216–17, 220, 222, 312, 316–17
 smallpox (*Variola*), 171, 190
 snail(s), 151
 snake, serpent, 120–21, 138, 149–50, 200
 social stratification, 208, 215–17
 social strife, 217–20
 solar activity, 40
 Solomon's Temple (Jerusalem), 272, 308
 Sorgenti della Nova, 158–59, 172, 186, 209,
 217, 271
sortes, 133
 Sothic cycle, 109
 Spartacus, 126, 353
 Sperandio Tomb, Perugia, 235
 Spina, 156
 Spurinna (*haruspex*), 139, 229
 Spurinna, Aulus, 231
stasis (στάσις = civil unrest), 219
 Στάσις δουλικῆ, 229
 state, 205
Steinkeile (symbolic stones), 65–66
 Sterno-Etrussia solar excursion, 39
 storm, 183
 Strabo, 146
 Suetonius, 6, 8, 133, 287
 Sulla, 112
Šumma ālu, ix, 55, 120, 122, 123, 183, Chapter 8
 passim, 251, Chapter 9 passim, 311, 333, 356
Šumma izbu, 114, 123, 167, 181, 221, Chapter
 8 passim, 251–52, Chapter 9 passim, 311,
 333–35, 356
 Susa, 264
sveleri (Etr. “beings”), 127
 swine, 145
 syphilis, 172
 Syracuse, 166, 191
 Syracuse, Carthaginian siege of, 191
- tablet, ivory (Assyrian), 262
 tablets, writing, 262
Tabula Cortonensis, 307
 Tages, 3, 21–22, 136, 232, 274, 282, 283–85 (Table
 9.1), 286, 308, 315–16, 357
 Talamone, 148
 Tambora, 189
 Tanaquil, 106
 tapeworm (*Taenia*), 186, 187
 Tarchon, 20–21, 357
 Tarquinia (Tarquinii), 21, 30, 56, 143, 146, 147,
 148, 172, 173, 179, 213, 214, 216, 218, 219,
 220, 225, 230, 257, 271, 287
 Tarquinia, Pian di Civita, 178–79, 185, 203,
 231–32, 233, 270, 305, 310
 Tarquinius Priscus, 21, 28, 106
 Tarquinius Superbus, 135
 Tarquinius Priscus, viii, 28, 31, 282, 283–85
 (Table 9.1), 287–88
 Tarsus, 274
 Tarutius of Firmum, 7
 Tassinai Tomb (Chiusi), 62
- Tataie, 216
 Telicles, 216
 Tell Defenneh, 66
 Temple of Jupiter Optimus Maximus (Capitoline,
 Rome), 28
 Tepe Sialkh, 66
 teratomancy, 266
 Terramare, 158, 186, 206–7
 Tertullian, 47
 Teshub, 66–67
Tetrabiblos (of Claudius Ptolemy), 123, 292
 thalassemia, 175, 177, 179, 180, 185, 195–96
 Thanes, 222
 Thasos, 199
 Thefarie Velianas, 25, 220, 230–31
 Theodora, 12
 Theophrastus, 44
thesan (Etr. “morning”), 109, 116
 Thesan (Dawn), 62, 109
 three-part names, 215
 Thuf (Etr. deity), 50–51
 thunder, 3, 15, 16
 (thunderstorm), 37–39, 53
 thunderbolt (*fulmen*), 27, 55–58
 thunder-omens (Mesopotamian), 249–50
 Tibeios/Tibios/Tipei, 224
 Tiglath-Pileser (kings of Assyria), 67, 235, 247,
 253, 268, 273, 351, 352
tin (Etr. “day”), 60, 108
 Tin/Tinia (Jupiter), 60–62, 108
 Tite Latine, 216
tiur (Etr. “month”), 62, 109
 Tiv/Tiur (Etr. Moon-goddess), 62
toga picta, 213
 Tolfá district, 141
 Tolumnius (Etr. Tulumne) family/king, 231
 Tomba dei Due Giovanetti, Tarquinia, 219
 Tomba dei Giocolieri, Tarquinia, 222
 Tomba dei Leopardi, Tarquinia, 226 n.109
 Tomba delle Bighe, Tarquinia, 226 n.109
 Tomba delle Statue, Ceri, 272
 Tomba dell'Orco, Tarquinia, 182
 Tomba del Tridente, Vetulonia, 63
 Tomba Golini, Orvieto, 49–50, 154, 226 n.109, 258
 Tomb design, Near Eastern influence, 308–9
 Tomb of Hunting and Fishing, Tarquinia,
 146 n.38, 148
 Tomb of the Reliefs, Cerveteri, 23, 63
 Tomb of the Shields, Tarquinia, 226 n.109
Tonitruale (of Fonteius Capito), 108, 288–89, 357
tonitrualia, 228
 Toprakkale, 67
 Toscanos, 41, 173
 Tragliatella oinochoe (Fig. 20), 146, 236–37
 transhumance, 175
 trash, 157, 161, 163
 Trayamar, 269
 treponemas, 171–72
 trident, 61, 63–68
triga, 234

- triumphator*, 213
 Troy, 166
trutnut/trutnuth, 49–51, 257
trutvecie, 50
 tuberculosis, 184, 188–89, 192, 196, 197, 200
tular (Etr. “boundary”), 125
 Tullus Hostilius, 56, 59, 166
tupšarru, 242, 258, 308, 357
 turtles, 200
 Tuscania (find of Etruscan mirror), 22
 Tutankhamun, 195
Twelve Tables, 134, 225
 typhoid, 184, 192, 194
 typhus, 190, 194
Tyrrhena carmina (“Etruscan hymns”), 53

 Ugarit (Ras Shamra), 66, 251, 264–65, 267, 351
 Uluburun (shipwreck), 68, 262, 266
 Umbrian(s), 130
ummānu, 242
 Undulate fever, *see* brucellosis
 Uni (Juno/Hera), 60
 Urartu, 66
 Urnfields culture, 208
 Uruk, scholarly families, 280
usil (uslane) (Etr. “noon”), 108
 Usil (Etr. Sun-god), 62, 108
 usurper, 129

 Valerius Maximus, 135
 Varro, 6, 7, 31, 133, 142, 144, 353
 Vecu (nymph: Vegoia?), 29, 52
 Vegoia, 17, 52, 170, 190; *see also* (*Prophecy of Vegoia*)
 Vei (Vea, Ceres), 170
 Veii, 172, 186, 210, 212, 213, 216, 220, 229, 230–31, 273, 287, 305, 312
 Vel Saties, 233
 Vercna-Cnezus family (Orvieto), 49, 258
 Verrius Flaccus, 21
 Verucchio (Tomba del Trono etc.), 64, 150, 151, 155–56, 178, 213, 311
 Vestal Virgins, 107
 Vestirikina, 216
 Vesuvius, 46, 156, 162
 Vetulonia, 42, 63–65, 148, 213, 214, 230, 272, 273, 305, 309
 Vetusia, 221
 Vibenna (Aulus/Avile), 230
victimarii, 134
 Vigellius, 282, 283–85 (Table 9.1), 286, 291–92
 Vigna di Mezzo (Como), 63, 305, 309
 village life, 153–54

 Villanovan culture, 42
 Villa of the Papyri, Herculaneum, 35
Vinalia, 128
vinum (Etr. “wine”), 140, 213
 violence, 174–75
 volcanoes, vulcanism, 45–47
 Volcatius, 31
 Volsinii (= Orvieto), 29, 47, 52, 55, 65, 172, 217, 218, 225, 227, 312
 Volterra, 148, 218, 230, 257, 286
 Voltumna, 52
 vulcanism, 189
 Vulcano, 46
 Vulci, 59, 146, 148, 158, 170, 172, 177–78, 220, 229, 235, 236

 want, 118
 war, 232–37
 warrior, 233–34
 wartime, 199
 “watch post,” 122
 weather, 37–39, 142–43, 183
 weevils, 151, 161
 wheat, 139, 141, 152, 157
 whipworms, 186
 wind, 183
 wine, 128, 140, 143–44, 160
 “winged ones”, 130, 139, 145–46, 198
 wolves, 128, 151
 “woman at the well,” 235
 women, 165, 178, 220–23
 “woolsorters’ disease,” 190
 wound(s), 125, 170, 190, 316–17

xenos, 215

 Yellow fever, 171
 youths, wellborn youths, 218–19, 231, 236

 Zagreb Mummy Binding (*Liber Linteus*), 5, 20, 23–25, 34, 51, 53, 106–9, 116, 125, 127–28, 130, 135, 206, 274, 357
zephyrus, 131
zilath, 230
zilath eterau, 218
zilath mechl rasnal, 231, 258, 357
 Zimrilim, 243, 351
ziqīqu, 245
 zodiac, 105, 108, 124, 280, 283–85 (Table 9.1), 289, 291
 zoonosis, 187–88, 192, 197–201
 Zoroaster, ix, 10, 283–85 (Table 9.1), 301, 348–49, 357