

Index

- Aachen, 105, 137, 139, 140, 173, 176
 Abbasid caliphate, 31
 acanthus, 105, 144
 Adalhard of Corbie, 97
 Adam, 82, 84, 86, 134, 137, 183. *See also*
 Eden
 Adoptionism, 155, 178
Aeneid. *See* Virgil
 agronomy, agronomical literature, 4, 5, 12,
 14, 15–16, 46, 69, 70, 71–2, 89, 94,
 97, 104
 Alcuin, 69, 85, 89, 102, 104, 111, 112, 113,
 166, 181–2
Alphabet of Galen, 115, 160–1
 Ambrose, 80, 111, 148, 159, 168, 170
 Hexaemeron, 80
 Angelomus, 87–8, 169
Annales Mosellani. *See* Moselle Annals
 Anthropocene, 14, 22
 Aquitainians, 38
 archaeobotany, 23, 57–9
 Arichis of Benevento, 141
 Aristotle, 34
 Categories, 192
 Augustine of Hippo, 4, 23, 75–7, 78–83,
 84–5, 87, 95, 110, 111, 115, 120, 123,
 159, 183
 Confessions, 76
 De Genesi ad Litteram, 81–2
 On Genesis against the Manicheans, 76,
 79, 80
 Augustus, 34, 92
 Austrasia, 43, 68, 130

 Bakels, Corrie C., 69
 barbarians, 38
 Barbarossa, Frederick, 176
 Barch, near Como, 67
 Basil of Caesarea, 80
 Hexaemeron, 80
 Bavarians, 38
 Bede, 10, 85, 93, 94

De Temporibus Ratione, 7, 92
 biodiversity, 13, 35, 57
 bipartite estates, 40–2
 Birkham, Helmut, 171
 Bloor, David, 194
 Boethius
 Consolation of Philosophy, 6–7
 Br'er Rabbit, his botanical insight, 25
 Britain, its weediness, 7
 Butzer, Karl, 69

 caltrop, 10–11, 78, 105, 107, 109, 192
Capitulare de villis, 112, 126, 165, 167, 176,
 185–6. *See also* Charlemagne
 cardoon, domestication, 32, 108, 167
 Carinthia, 131, 147
 Carolingian empiricism, 69–72, 74, 109,
 166, 198–9
 Carolingian Europe, defined, 2–3
 Catherine the Great, 29
 Cathwulf, 181
 Charlemagne, 9, 11, 24, 51, 56, 65, 69,
 89–91, 112–13, 126, 129, 133, 137,
 139, 140, 164, 171, 176–7, 186
 Charles the Bald, 1–2, 16, 134, 179
 Charles the Fat, 186
 chestnuts, 21, 37
 Christian of Stavelot, 118, 125
 Ciampini, Giovanni, 138
 classification, in vegetation, 4, 107, 169,
 193–7
 Claudius of Turin, 86, 103, 169
 Colline Metallifere, 66
 Columbian Exchange, 32–3
 Columella, 34
 compunction, weeds' stimulation of,
 159–60
 corncockle, 63, 64–5, 68, 71. *See also*
 Agrostemma githago
 cornflower, 62–3, 64–5, 68. *See also*
 Centaurea cyanus
 Council of Paris (825), 86

- crabgrass, 167
 Crimea, 29
 Crosby, Alfred, 19, 27, 29, 30, 33, 52
 Cyprian, 181
 Cysoing, 62, 70
- Dagobert II, 176
 dandelions, 30, 87, 173, 192. *See also*
Taraxacum
 Danes, likened to weeds, 120
 darnel, 24, 70–1, 78, 94, 109, 116–26, 168,
 169, 176, 177, 178, 190, 192,
 198, 199
 Devroey, Jean-Pierre, 184
 Di Palma, Vittoria, 21
 Donatism, 81, 120
 Dorestad, 62
 Douglas, Mary, 197
 Duby, Georges, 53–5
 Dungal, 123
 Durkheim, Émile, 193
 Dutton, Paul, 189
- Eastwood, Bruce, 69
 ecological equilibrium, delusion of, 13
 Eden, 189, 196
 Edenic landscapes, 23, 24, 80–3, 85, 88, 99,
 102, 111, 131, 134–7, 146, 155,
 177, 183
 Eifel plateau, 60, 63, 173
 Einhard, 89–90, 91–2
Life of Charles, 92
 Ekkehard, 71, 158
 Elton, Charles, 28
 environmentalism, 57
 Eriugena, John Scottus, 7, 183
 Ermenrich of Ellwangen, 124
 Eusebius of Caesarea, 86
 Eve, 83, 183. *See also* Eden
- fences, fencing, 42, 104
 Fiege, Mark, 49
 fire, and weed control, 55
 Flodoard of Reims, 163
 Foucault, Michel
The Order of Things, 192
- Galen, 121
 Gall, 158
 gardens, gardening, 40, 97–8, 101–2, 133,
 145, 161, 164–5, 167, 169, 172, 183,
 188, 195
 gender
 and labor, 56–7
 and use of tools, 55–7. *See also* technology
- Genesis*, 8, 75–7, 80, 82–3, 84, 89, 102, 113,
 123, 182, 196
Geoponika, 46, 97, 116
Georgics. *See* Virgil
 Germigny-des-Prés, 138, 140
Gesta, 164, 197
 Gisela, 62
 Godescalc, 135
 Godescalc Evangelistary, 131–3, 144
 grain states, 36–8
 grain storage, and weeds, 47, 58, 66, 70–1
 Greenblatt, Stephen, 75, 190
 Gregory IV, pope, 155
 Gregory the Great, 108, 162–3
Dialogues, 158
 Guthrie-Smith, William Herbert, 30, 31
- Hadrian I, pope, 137, 151
 Hagia Sophia, 156
 Haimo of Auxerre, 88
 Harlan, Jack, 12
 Heichelheim, Fritz, 32
 Henning, Joachim, 54
 herbals, 74, 115–16, 166–7
 herbicides, 17
 Hesiod, 77
 Hincmar of Reims, 159, 164
 Hoffman, Richard, 71
 Hohenstaufen, 176
 Hrabanus Maurus, 88, 107, 119, 160
De Universo, 85, 123, 125, 195
 Huy, near Liège, 173
- iconoclasm, 86, 155–7
 invasion, botanical, 27–9, 32–4, 66, 68,
 189. *See also* invasive species
 invasive species, 13–14
 Isidore of Seville, 5, 107, 111, 165, 196
The Etymologies, 123, 195
- Jerome, 84–5, 114, 115, 119
 Vulgate, 84–5, 102, 107
 Jerusalem, 139–40
 Juvenius, 114–15
- King, Lawrence, 7–8
 Kootwijk, 62
- labors of the month iconography, 95, 109
 Lactantius, 82, 88
 Languedoc, 68
 Leo III, pope, 149, 151, 155
 Leo IV, pope, 145
 Leopold, Aldo, 14, 16
Liber Glossarum, 5, 11–12, 107, 109, 166–7

222 Index

- Liber Pontificalis*, 151
Libri Carolini, 109–10, 189
 lilies, 101, 112, 146–8, 154
 Linnaeus, Carl, 87, 194
 Lombards, 38
 Louis the German, 186
 Louis the Pious, 182, 186
 Lucullus, 34
 Lupus of Ferrières, 113
 Lyminge, Kent, 43
- McKerracher, Mark, 59
 McKitterick, Rosamund, 98
 Maguire, Henry, 156
 Manicheanism, 76, 79–80, 83
 manors, 40–4. *See also* bipartite estates
 Mauss, Marcel, 193
 Mediterranean, 34
 Mexico, 169
 Miranduolo, 66–7, 70
 Mishnah, 121
 Monte Barro, 70
 Mordek, Hubert, 94
 Morvan hills, 61, 173
 Moselle Annals, 126–7
 mountain gentian, 74
 Moutier-Grandval Bible, 134
 Müstair, 60
 mutations, botanical, 122, 124
- Nanteuil-la-Forêt, 42
Natural History, of Pliny, 5, 81, 101, 108, 121, 168
 Neolithic Revolution, 36
 Neustria, 43, 68, 130
 New England, colonial, 30
 Nithard, 189
 Histories, 179
 Nogara, 174
 Notker “the Stammerer,” 4, 9, 164, 197
- oats cultivation, 38, 41, 46, 50, 51, 67–8, 97
 Orléans, 61
 ox-eye daisy, 48, 150
- Palladius, 5, 46, 71, 104
 Parable of the Tares, 113–14, 115, 119, 124–5, 127, 177
 Paschal I, pope, 143, 145, 155
 Paschasius Radbertus, 123, 125
 pasture, 9, 25, 31, 40, 47–8, 61, 62, 67, 91, 172–5, 184
 Paulinus of Aquileia, 178
 Perkins Marsh, George, 29
 Peytremann, Edith, 49
- phytosocial mobility, 20–1, 68, 72, 160, 167, 175, 195, 196, 198
 phytosociology, 22, 27, 31, 45, 48, 51
 Pippin “the Short,” 179
 Pippin, disgraced son of Charlemagne, 9, 56, 126, 131
 Plan of St. Gall, 164
 Plato
 Timaeus, 80
 Pliny the Elder, 5, 15, 34, 74, 81, 104, 108, 121, 161, 166, 168
 plows/plowing. *See* technology
 Poeta Saxo, 189
 polyptychs, 41, 56, 97
 Poreç
 Basilica Eufrasiana, 142
 Prudentius, 115
 Pseudo-Apuleius, 74
 Pyrenees, 60, 67
- Quintus Serenus, 166
- Ravenna
 S. Vitale, 142, 152
 Reference Bible, 85
 Reichenau, 61, 164
 Remigius of Auxerre, 86, 169
 Rhineland, 39
 Ritvo, Harriet, 197
 Roman empire, relaxed botanical attitudes in, 32
 Romantic poets, unusual enthusiasms of, 25
 Rome
 Lateran, 140, 151, 156
 S. Agnese, 154
 S. Cecilia, 140–2, 146, 154, 157
 S. Marco, 140, 142, 146, 154, 157
 S. Maria in Domnica, 140, 142, 146, 154, 157
 SS. Nereo and Achilleo, 140, 145, 149, 154, 156
 S. Prassede, 140–2, 143, 154, 157
 S. Stefano Rotondo, 146, 151
 S. Susanna, 151
 S. Zeno, 142–144
 roots and rootedness, 5, 110
 roses, 6, 105, 107, 110–12, 144–7, 148–9, 153, 158
 Roussillon, 68
 Runcina, obscure goddess of weeds, 95
 rye cultivation, 38, 41, 46, 50, 51, 61–4, 67–8, 97, 119
- St. Agnes, 144
 St. Andrew, 144

- S. Apollinare in Classe, 142, 151–3
 St. Benedict of Nursia, 158, 162–3
 in Dialogues, 162
 St. Columba, 171
 St. Gall Botany, 74
 St. Gall monastery, 169
 St. James, 144
 St. Kevin, 163
 St. Paul, 144
 St. Peter, 129, 144
 St. Praxedis, 144
 St. Pudenziana, 144
 San Paolo Bible, 134
 Saxons, 38, 39
 Scott, James C., 36–8
 sedentarism, 36–7
 seed trade, 31
 Septuagint, 84
 Sermersheim, 63, 64, 173
 Sigaut, François, 43
 Smaragdus of St.-Mihel, 95, 103, 180
 sowing, broadcast, 18, 39, 44–5
 Strabo, Walafrid, 6, 8, 86, 158, 161, 167

Table of Commutations, 163
 Tabor, Mount, 152–154
 technology
 billhook, 55
 coulter, 43–4
 early medieval history of, 53–4
 hoe, 18, 45, 46, 55
 plow, 17, 36, 43–5, 46–7, 56–7
 and productivity, 42
 scythe, 42–3, 45
 sickle, 46
 Theodora, 143, 145
 Theodulf of Orléans, 108, 109, 137, 140
 Theophrastus, 121, 122
 thistles, 10, 23, 32, 70, 74, 78, 96, 108, 159, 186, 190
 three-field rotations, 41, 42, 172
 tools, and archaeology, 53–5
 Tournedos, 64
 Tours, school of illumination, 133–7
 Transfiguration, 150, 152–4, 157
Triticum monococcum, 64, 68
 Troyes plain, 63–4
 tumbleweeds, unexpected power of, 49
 Tuscany, 60, 65, 174
 Tutira, New Zealand, 30–1

 Umayyad caliphate, 31
 urtication, 162–4
 Utrecht Psalter, 96

 Varro, 34
 Vavilov, Nikolai, 14, 172
 vegetation, pagan creation myths of, 77–9, 88
 Vetus Latina, 84–5, 114
 Vienna Dioscurides, 116–17, 146
 Villiers-le-Sec, 63, 64, 70, 173, 174
 Virgil, 4, 5–6, 11, 77–9, 88, 104, 116
 Aeneid, 4
 Georgics, 77
 Vivian Bible, 134

 Wandalbert of Prüm, 42, 69, 174
 On the Twelve Months, 93
 weeding tools, 3, 7. *See also* technology
 weeding, and labor, 18–19, 22, 40, 45, 52
 weeds
 Acontium, 67
 Agrostemma githago, 63, 66, 68, 71
 Anthemis cotula, 44
 Arenaria serpyfolia, 173
 Avena fatua, 41, 68, 71. *See also* wild oats
 Bromus secalinus, 41
 Carduus tenuiflorus, 109
 Centaurea cyaneus, 41, 62
 Chicorium intybus, 63
 Chrysanthemum leucanthemum, 48, 63, 150. *See also* ox-eye daisy
 and cosmology, 1–3, 188–91
 Cynara cardunculus sylvestris, 108
 Cynodon dactylon, 46, 74
 definition, 12–14
 Echinochloa crus-galli, 173
 Fallopia convulvulus, 62
 Festuca pratensis, 173
 Glebionis segetum, 188
 Helleborus viridis, 168
 Legousia speculumveneris, 61
 Lithospermum arvense, 63
 Lolium multiflorum, 66
 Lolium perenne, 120
 Lolium temulentum, 70, 117, 120, 190. *See also* darnel, zizania
 Lychnis flos-cuculi, 48, 63
 Neslia paniculata, 61
 Orlaya grandiflora, 61
 pernicious effects of, 31
 Phleum pratense, 62
 Plantago lanceolata, 58, 62, 67
 Poa annua, 173
 Polygonum, 173
 Polygonum aviculare, 63, 173
 Potentilla anserina, 63, 173

224 Index

- weeds (cont.)
 Prunella vulgaris, 48, 63
 Raphanus raphanistrum, 63
 Rumex acetosa, 67
 Rumex acetosella, 62
 Rumex crispus, 62
 Scleranthus annuus, 62
 Secalieta group, 41
 Spergula arvense, 62
 Synapis arvensis, 44
 Taraxacum sp., 63
 Tribulus terrestris, 109

 Urtica, 160–2, 166–7, 171
 Urtica urens, 59, 70
 vocabulary for, 3–12, 15
 White, Lynn Jr., 43
 Wigbod, 87, 169
 wild oats, 10, 41, 60, 66, 68, 71, 78, 115,
 186. *See also Avena fatua*
 woad, 7–8
 Wolf, Eric, 58

 zizania, 93–4, 101, 113–17, 119, 121,
 123–6, 128, 168