

INDEX

Note: Page numbers in *italics* refer to figures, and medieval names are given uninverted, in natural word order (e.g., Thomas Aquinas, not Aquinas, Thomas).

- Aavitsland, Kristin, 34–5, 139, 179
 Abel, 150–3, 150–1, 273–4, 274, 276
 Abraham, 222, 223
 Abu Ma'shar
 Great Introduction to Astrology, 270
 Adam, 276
Adelae comitissae (Baudri of Bourgueil), 52
 Agincourt, Seroux d', 34
 agricultural activities
 in calendar imagery, 32–3, 69, 142
 labors of the months, 130, 133–6
 theological conception of, 137–40
 Ahab, 223
 Aion, 131, 154–8, 156–7
 Akbari, Suzanne Conklin, 230
 Alan of Lille, 165, 230
 Anticlaudianus, 83, 103
 De planctu naturae, 52, 102
 Albertus Magnus, 90
 alchemy and transmutation, 264, 272–3
 Alexander IV, 38, 127
 Alexander the Great, 186, 192, 194, 204
 allegory. *see also* history; virtues and vices
 allegorical animals, 26–8
 biblical exegesis and, 218
 blurred with history, 204
 changing attitudes toward, 230
 dubious links to reality, 230
 personification allegory's equivocality, 230
 prosopopoeia, 219–20
 Alphonso X of Castile, 206
 Alvarus of Cordoba, 185
 Amon-Re, 168
 Anagni Cathedral, 18, 18, 60, 244, 252–3, 253
 Anagni crypt frescoes. *see also* elements, four;
 microcosm; papacy–Frederick II conflict
 about fresco program, 5, 5, 19, 20–3, 22, 243–5,
 281
 alchemy and, 273
 apocalypse, 22, 45, 257, 264, 266
 as apologia for extra-theological knowledge, 278
 Ark of the Covenant, 21, 21, 163, 253–7, 254
 astrology, 245–52, 247, 259, 278–9
 Cain and Abel, 274, 274
 cosmological knowledge, 20, 45, 245–52, 248,
 257, 291
 creation theory in, 260–7
 earthbound perspective, 279
 encyclopedism of, 6–7, 20, 245, 259
 four elements, 20, 45, 249, 250, 260
 Galen, 20, 21, 45, 245, 246, 267–8, 273, 274
 Gregory IX likely sponsor of frescoes, 6, 45
 grisaille technique, 274
 hagiographical images, 20, 22
 Hippocrates, 20, 21, 45, 245, 246, 267–8, 273, 274
 Homo signorum, 270
 human materiality, 279–81
 images establishing dialogue across space, 253–8,
 263–6
 marine frieze, 263, 263
 medicine, 245–52, 246, 257, 259
 as monumental image of world's knowledge,
 291–3
 mortality explored, 273–4
 papacy's interest in worldly knowledge, 6, 46
 papal associations, 45–6, 252–3, 296
 purpose and function of, 253
 Saint Aurelia, 20, 23
 Saint Magnus, 20, 24, 253, 255, 257, 274, 274
 Saint Neomisia, 20, 23
 Saint Sebastian, 20, 23
 Saint Secundina, 20, 23
 Santi Quattro Coronati, links with, 5–7, 244–5
 scriptural and astro-medical knowledge
 coexisting, 303
 sight instrumental for knowledge, 281
 spectatorship in, 22, 251, 253–9, 262, 279
 as tool for philosophical thinking, 291–2
 unity of frescoes, 20, 22, 281
 unity with built environment, 245, 251, 265
 Anagni, Italy, 5, 252, 257, 283
 Andberg, Bjarne, 8, 263
 Andrea di Bonaiuto, 293, 293
 Andrea Pisano, 294, 295, 297

- animals, 16, 26–8, 28, 35, 158, 159, 160, 162
 Antichrist, 43, 45, 185, 204, 212
Anticlaudianus (Alan of Lille), 83, 103
 Antiochus, 185
 apocalypse cycle, 22, 24, 45, 213, 218, 257
 Apuleius, 88, 93, 95, 103
 Arabic texts, 40, 47, 77, 89–90, 278
 archers, 29
 Archimedes, 89
 architectural space, affecting experience of frescoes,
 54–8, 245, 291–2
 Arena Chapel, Padua, 228, 228
 Arian Baptistery, Ravenna, 164, 164
 Aristotle, 77, 86, 90, 91, 93, 95, 275, *see also* natural
 philosophy
 arithmetic, 99, 108
 Arius of Alexandria, 190, 190
 Ark of the Covenant, 21, 25, 163, 253–7, 254
 Asclepius, 166, 167
Astrologia Ypocratis (Pseudo-Hippocrates), 268
 astrology. *see also* cosmos and cosmological
 knowledge; medicine
 Anagni crypt frescoes, 245–52, 247, 259, 278–9
 Arabic texts, 278
 astro-medicine, 267–73, 277, 303
 future knowledge through, 277–9
Liber astrologiae (Georgius Fendulus),
 29, 30
 limb assignment theory (*melothesia*),
 268–9
 materiality and, 245–52, 259, 279–81
 medicine's astrological dimension, 259
 microcosm, 257
 papal cultivation of, 45, 247, 251, 272, 278
 political power and, 277
 temporality and, 245–52, 259
 theology, compatible with, 279
 astronomy, 108–9
 Atkinson, Niall, 124
 Atlas, 95, 113, 154
 Augustine, 79, 191, 192, 218, 230, 300–3
 On Christian Doctrine, 79, 301
 Babylon, 227
 Bagnoli, Martina, 8
 Bamberg Apocalypse, 220–3, 222
 Bamberg Cathedral, 201, 203
 Barelli, Lia, 7
 Bargello, Florence, 197, 198
 Baudri of Bourgueil
 Adalae comitissae, 52
 bells and bell towers, 4, 105, 107, 124, 129, 294, 295,
 296, 297
 Berenbeim, Jessica, 211
 Bernard of Chartres, 98, 100
 Bertelli, Carlo, 173
 biblical exegesis, 218, 239
 Blume, Dieter, 7
 Boethius
 contingency, 277
 human versus divine knowledge, 292
 mathematics developed by, 93
 music and, 109
 Philosophy as female, 122
 on quadrivium, 108
 representing Arithmetic, 92
 representing Geometry, 86, 88, 95, 103
 representing Music, 110
 Santi Quattro Coronati's Geometry and, 89
De institutione arithmetica, 80
De musica, 109
 Bonatti, Guido
Liber astronomiae, 269, 270
 Boniface VIII, 40
 Boskovits, Miklos, 45
 Brancaloneo degli Andalò, 32
 Brunetto Latini
Livre du Tresor, 85, 86
 Caetani family, 252
 Caiaphas, 228, 228
 Cain, 150–1, 150–3, 185, 273–6, 274
 Calcidius, 264
 calendar imagery. *see also* labors of the months; time
 and temporal knowledge
 agricultural activities, 32–3, 69, 142
 about calendars, 129–30
 cosmos and, 131, 231
 courtly activities, 33
 descriptive summary, 174
 expression of ecclesiastical authority,
 128
 hagiographical stories, 32
 labors of the months and, 31, 143–5
 manuscript conventions reproduced, 33–4
 mortality explored in, 275–6
 Palazzo Senatorio, 32, 142, 142
 popularity of, 141–4
 Roman palace painting and, 30–4
 San Pellegrino in Bominate, 143–4, 144
 San Saba basilica, 31, 143
 Santa Maria de Aventino, 32–4, 33, 142, 144, 144
 Santi Quattro Coronati frescoes, 3, 14, 30, 31, 69
 Sylvester Chapel liturgical calendar,
 128, 129
 Tre Fontane Cistercian abbey, 34, 174
 Calixtus II, 197, 217
 campanile, Florence, 4, 294, 295, 296, 297
 Cappelletti, Lorenzo, 8
 Capuan Gateway, Capua, 209, 209
 Carruthers, Mary, 81
 Cassiodorus, 79, 86, 92–3
 Celestine IV, 271
Chaoskampf (chaos-struggle), 169
 Charles I of Anjou, 40
 Chartres Cathedral, 95–7, 96, 99, 201, 235

- Chrétien de Troyes
Érec et Énide, 52
- Christ, 164, 164, 169, 228, 229
- Cicero, 90, 91–2, 92–3, 94, 95
- Clarke, John R., 67
- Clotho, 148
- Cole, Bruce, 228
- Concordat of Worms, 217
- Constantine, 42, 42, 108, 215–16, 215
- Constitutions of Melfi, 208
- Conti family, 38, 78, 252
- Cosmati family, 18, 252
- cosmos and cosmological knowledge. *see also*
 astrology; microcosm; zodiac and
 constellations
- Anagni crypt frescoes, 20, 45, 245–52, 248, 257,
 291
- calendar and, 131, 231
- creation theory and, 263
- Homo signorum*, 269–71, 270
- liberal arts integrated with, 74
- matter's ability to change, 267
- medicine and, 257
- models of, 69, 291
- months and seasons, joined with, 29
- order and chaos, 264
- personifications, 17
- planets and stars, 13, 29, 142, 246, 248, 248, 268–9
- Plato's cosmogony, 260–1
- San Saba basilica, 29, 29
- creation theory, 146–53, 231, 257, 260–7, 262
- Croesus, 227
- cults, pagan, 161–5, 167–70, *see also* Mithras; river
 gods
- Cyrus, 227
- Daniel, 58–9, 189
- David, 189, 189, 222, 223, 226–7
- David of Dinant, 118
- De institutione arithmetica* (Boethius), 80
- De musica* (Boethius), 109
- De nuptiis Philologiae et Mercurii* (Martianus Capella),
 79
- De ortu et obitu patrum* (Isidore of Seville), 223
- De planctu naturae* (Alan of Lille), 52
- De retardatione accidentium senectutis* (Dominus Castri
 Goet), 47
- Demus, Otto, 54, 67
- disguised symbolism, 180
- distaff motif, 146–53, 275, 288
- Doge's Palace, Venice, 4, 295, 296–7
- Dominic de Guzmán, 192, 196, 204–5
- Dominus Castri Goet
*On Delaying the Symptoms of Old Age (De
 retardatione accidentium senectutis)*, 47, 272
- Domitian, 185
- Donation of Constantine, 42, 78, 214–17, 215–16,
 303
- Donatus, 94, 94
- Draghi, Andreina, 1, 7, 78, 145–6, 207, 244
- Ebstorf Map, 49, 51
- Eclissi, Antonio, 32, 33, 143, 201, 204
- Eco, Umberto, 165
- elements, four
 Anagni crypt frescoes, 20, 45, 249, 250, 260
 chaos and order, 264
 creation theory and, 260–4, 267
 human aging and, 272–3
 human body's connection to material world, 246
 medicine and, 259–60
 syzygy fresco, 21, 45, 260–1, 274
- Elijah, 163, 223
- Elsner, Jaś, 183
- encyclopedias
 Anagni crypt frescoes, 6–7, 20, 245, 259
 cathedral sculptures as, 51
 comprehensiveness, 48–9, 53
 divine knowledge, 259
 encyclopedic ekphrasis, 53
 encyclopedic motifs in pictorial programs, 53,
 293–5, 299
 florilegia, 20, 34
 organization of knowledge, 7, 48
 pictorial encyclopedias, 13, 49–53, 293–9
 political self-representation, 293–9
 rise in encyclopedism, 48
 Santi Quattro Coronati frescoes, 4, 6–7, 13, 48–9,
 55
Secretum secretorum (Philip of Tripoli), 47
 visual metaphors and literary descriptions, 52–3
 world maps (*mappae mundi*), 49, 51
- Érec et Énide* (Chrétien de Troyes), 52
- Etymologies* (Isidore of Seville), 93, 99
- eucharist, 158
- Euclid, 86, 88, 89, 91, 91, 95, 103
- Evans, Michael, 85, 126
- Eve, 148, 149
- Exodus, 168–9
- Ezekiel, 213
- Fassler, Margot, 109
- Ferrara Cathedral, 150, 150
- Fontana Maggiore, Perugia, 4, 100, 101, 294, 294,
 296, 299–300
- four humors, 275, *see also* elements, four
- Francis of Assisi, 192, 195, 204–5, 236
- Franklin-Brown, Mary, 122
- Frederick II of Hohenstaufen, 214, *see also* papacy–
 Frederick II conflict
- Constitutions of Melfi, 208
- crowned Holy Roman Emperor, 41
- cultural flowering at imperial court, 41, 47
- jurisprudence and, 207
- as “new Solomon”, 43, 206
- frescoes, generally, 53–4

- Galen, 246, 274
 Anagni crypt frescoes, 20, 21, 45
 astro-medicine, 268, 273
 body connected to material world, 245, 267
 lamp motif, 275
- Gardner, Julian, 104
- gendered knowledge, 95–7, 102–3
- Genesis, 179, 261–4, 276, 285
- Georgius Fendulus
 Liber astrologiae, 29
- Giotto, 228, 228
- Giovanni Pisano, 101, 299–300
- Gombrich, Ernst, 122
- Gorgias, 93, 94, 95
- Götze, Oliver, 7
- grammar, 99–103, 100
- great hall frescoes, Santi Quattro Coronati, 2, 14,
 see also calendar imagery; labors of the months;
 liberal arts; spectatorship; virtues and vices
 about, 1
 acrobats, 55, 56
 ambient vision and, 56
 Cain and Abel, 151, 151, 275–6
 calendar cycle, 69
 cosmos, model of, 69, 291
 encyclopedic rhetoric of, 7, 13, 48–9, 55
 illusionistic telamones and, 55, 56
 interactive design, 55–8
 Job, 151, 152
 missing sections, 60
 mortality explored, 275–6
 Muhammad, 58, 59
 Pharaoh, 151, 152
 propaganda in papal conflict with Frederick II, 1,
 42–5
 seasons personified, 69, 75
 Solomon, 43, 44, 69, 205, 206
 spatial enclosure, 49, 55
 Stefano Conti's throne placement and, 69
 "Third Master" of Anagni crypt, 11
 unity with built environment, 54–8, 245
 worldly knowledge as political power, 1, 43
 zodiacal signs and constellations, 75
- Great Introduction to Astrology* (Abu Ma'shar), 270
- Gregory IX
 Anagni and, 6, 45, 252, 283
 conflict with Frederick II, 41, 43, 212
 Conti family, 38
 coronation celebrations, 108
 education, 76, 78
 support for universities, 76
- Gregory the Great
 Moralia in Job, 152
- Haman, 225
- Hapi, 168
- Henry of Avranches, 65
- Henry V, 217
- Heptateucon* (Thierry of Chartres), 96–7
- Hereford Mappa Mundi, 49
- Hermagoras, 93
- Herrad of Landesberg, *Hortus deliciarum*, 49, 81, 83
- Hippocrates, 20, 21, 45, 246, 267–8, 273, 274
- Historia Scholastica* (Petrus Comestor), 88, 93,
 111–13, 113
- history. *see also* allegory; virtues and vices
 and allegory in virtues and vices cycle,
 218–31
 blurred with allegory, 204
 good versus evil, chaos versus order, 168–9
 interpictorial connections, 70
 interpretive uncertainty and historical time,
 165–73
 moral truths, 204
 polemical Christian reading of history, 163–5,
 168
 typology's cognitive paradigm, 201, 205
- Hodder, Ian, 54, 282
- Hoffman, Eva, 27
- Homo signorum*, 269–71, 270
- Honorius III, 40, 124, 210
- Honorius IV, 63
- Honorius of Autun
 Imago mundi, 52
- Horace
 Satires, 191
- Hortus deliciarum* (Herrard of Landesberg),
 49, 81, 83
- House of Aion mosaic, Antioch on the Orontes,
 154, 157
- Hugenholtz, Grederick, 45
- Hugh of Saint Victor, 79, 83, 98
- humors, four, 275, *see also* elements, four
- Imago mundi* (Honorius of Autun), 52
- imperial court, 41, 47–8, *see also* Frederick II of
 Hohenstaufen
- Innocent III
 Antichrist identifications, 185
 Aristotelian learning, 77
 Conti family, 38, 40
 education of, 78
 on human mortality, 273
 On the Misery of the Human Condition, 271
 as Solomon III, 43, 206
 Subiaco fresco, 211, 212
 support for universities, 76
- Innocent IV, 10, 41, 76
- Investiture Controversy, 216–17
- Isidore of Seville
 on Abel, 150, 274
 knowledge and words, 101
 on liberal arts, 93
 primeval matter, 264
 De ortu et obitu patrum, 223
 Etymologies, 93, 99

- James, Liz, 54
- Janus
about, 131, 145
distaff held by, 146–7, 153, 275
January personified as, 133, 145–8, 147, 153, 275
multi-stable gaze, 146
- Jean de Meun
Roman de la Rose, 230
- Jensen, Robin, 164
- Jerome, 192, 194, 204
- Jerusalem, 227
- Job, 151, 152, 168, 188, 213, 222, 223
- John (evangelist), 226
- John Chrysostom, 150, 276
- John of Salisbury
Metalogicon, 100
- John XXI, 65
- Jordan River, 164, 164
- Judas, 185, 190, 191
- Julian the Apostate, 186, 192, 195, 204–5
- jurisprudence, 206–7, 209–14, *see also* Donation of Constantine; Solomon
- Katzenellenbogen, Adolf, 80, 97
- Kinney, Dale, 166
- knowledge. *see also* allegory; Anagni crypt frescoes; astrology; cosmos and cosmological knowledge; encyclopedias; history; liberal arts; medicine; time and temporal knowledge; word–image relations
allegory potential impediment to, 230
ancient knowledge, 13, 14, 75, 245
Arabic texts, 40, 47, 77, 89–90, 278
contingency and future contingents, 277, 279
extra-theological knowledge, 278
future knowledge, 276–9
gendered knowledge, 95–8, 102–3
Greek texts, 77
human knowledge always incomplete, 277
human versus divine, 57, 277, 279, 292–3
language as impediment to, 165–7, 230
memory pictures and geometric organization, 35
moral knowledge, 13, 16
natural philosophy, 47, 77, 90
partial and complete, relationship between, 57
temporal–spatial position and, 281, 292
theological knowledge, 13, 16, 300
time and, 74
transmission of, 74, 95, 100
visualization's role in, 49, 81, 281
worldly and sacred knowledge coexisting, 7, 97, 299, 303
worldly knowledge, 1, 5–7, 43, 46, 95, 272–3
- L'Intelligenza*, 53
- labors of the months, 131
agricultural scenes, overview, 32–3, 130, 133–6
Aion, 154, 156, 157–8
- ancient motifs in, 144–5, 153–65, 167, 182
April, 134, 138
August, 135, 139
Cain and Abel, connected to, 276
calendar and cosmos united, 131, 231
calendar imagery and, 31, 143–5
cyclicity of year emphasized, 136
December, 135, 140
descriptive overview, 130, 133–6
eternity personified, 157–8
expression of Christian supremacy, 161–5, 167–70
February, 133, 136, 147, 276
Genesis creation story and, 146–53, 231
human labor and power structures in, 136, 140, 140
January personified as Janus, 133, 136, 145–7, 147, 153, 275
July, 135, 139
June, 135, 139
kraters, 158
liberal arts cycle and, 71–5, 85
March, 134, 137, 144, 147, 276
May, 134, 139
Mithras, 16, 158, 158, 162–3, 168–9
months personified, 144
mortality explored in, 131, 231, 275–6
multi-stable gaze, 146
narrative in, 143–6
noble gaze, 133–41
non-labeling of ancient motifs and temporality, 165–73, 231
October, 135
pagan cults rendered impotent, 161–5, 167–70
Palazzo Senatorio, 32
polemical Christian reading of history, 168
postlapsarian labor and mortality, 153, 179
river gods, 160, 160, 163, 168
San Saba basilica, 31
Santa Maria de Aventino, 33
Santi Quattro Coronati, 14, 31
seasons personified, 131, 132, 133, 134
September, 135, 154, 155
spinario (thorn) iconography, 144, 144, 147, 276
sun and moon personified, 158, 159, 160, 163, 168–9
time conceptualized as anthropocentric, 134, 146, 231, 276
time in, 130, 146, 174–5
tondo portrait reference, 154
viewers participating in creation of time, 146
winter as transitional season, 134
yearly cycle and human life cycle linked, 131, 231
- Ladis, Andrew, 229
- Lambert of Saint-Omer
Liber Floridus, 49, 50
- lamp motif, 275
- Laon Cathedral, 83, 84, 85, 99, 100

- Lateran Palace, Rome, 197, 199, 216–17, 216
 Leff, Gordon, 117
 Leonardo Fibonacci, 27, 65
 Levi, Doro, 154
 Leviathan, 43, 169, 213–14, 214
Liber additamentorum (Matthew Paris), 166, 167
Liber astrologiae (Georgius Fendulus), 29, 30
Liber astronomiae (Guido Bonatti), 269, 270
Liber floridus (Lambert of Saint-Omer), 49, 50
 liberal arts, 14
 about, 3, 70
 acoustic horns and Music scene, 104
 Admont diagram, 90–3, 91
 Aldersbach manuscript, 91–3, 92
 ambiguity in frescoes, 87, 90–1
 ancient knowledge and, 13, 14
 Aristotelian learning's impact on, 77
 Arithmetic, 72, 73, 80, 80, 91, 98, 104
 Arithmetic, ancient scholars paired with, 88, 90, 92, 95, 103
 Astronomy, 74, 74, 80, 80, 91, 95, 113
 Astronomy, ancient scholars paired with, 91, 95, 113
 Augustine on, 79
 Cassiodorus, 79, 93
 Chartres Cathedral cycle, 96
 cosmology and temporality integrated with, 74
 Dialectic, 79, 81, 90, 91
 Dialectic, ancient scholars paired with, 86, 90, 95
 dialectic, conception of, 98–9
 educational progression through, 95
 foundational to knowledge, 98–102
 gendered knowledge, 95–7, 102–3
 Geometry, 71, 71, 79–80, 80, 87–91, 88, 91, 95, 103
 Geometry, ancient scholars paired with, 86–7, 87–91, 88, 91–3, 95, 103
 Grammar, 71, 79, 81, 87, 90, 90–1, 93, 95, 98–102
 Grammar, ancient scholars paired with, 90, 90, 93, 98–102
 Isidore of Seville on, 93
 knowledge and, 87, 95, 100
 labors of the months and, 71–5, 85
 Logic, 71, 98
 in medieval tradition, 79–87, 90–5
 Music, 72, 73, 80, 80, 85, 89–90, 91, 95, 104–16, 112–13
 Music, ancient scholars paired with, 90, 109, 111, 112, 115
 musica practica and *musica theórica*, 108–16
 natural philosophy versus, 90
 Noah's sons preserving, 93
 origins of, 92–5
 overview, 69–75
 papal power asserted, 78, 97
 as pathway to God and philosophy, 97
 personifications of, generally, 79–81, 85–7
 philosophers' identities concealed, 87–9
 Philosophy, 81, 85, 99
 Philosophy, ancient scholars paired with, 95
 pictorial tradition, 79–87, 82, 84, 86, 90–3
 platform for intellectual discussion, 89–91
 purpose of, 89–90, 95, 97
 quadrivium, 81, 108, 121
 Rhetoric, 85, 87, 90–1, 91–2, 93–4, 94
 Rhetoric, ancient scholars paired with, 90–1, 90, 92, 93, 94
 rhetoric, conception of, 98–9
 rosette emblem, 82, 83, 85
 theology versus, 90
 trivium, 81, 98–9, 121
 Tubal preserving for future generations, 111
 as unified system of knowledge, 82–5
 worldly and sacred knowledge coexisting, 97
Livre du tresór (Brunetto Latini), 85, 86

 Maddalo, Silvia, 34
 Mâle, Émile, 51
 Marcus Aurelius, 171, 171, 187
 Martianus Capella, 74
 De nuptiis Philologiae et Mercurii, 79
 Master Gregorius
 Narracio de mirabilibus urbis Romae, 163, 170–2
 material universe and materiality
 astrology and, 245–52, 259, 279–81
 four elements and, 246
 humans linked to, 20
 interconnectedness of, 20
 matter's ability to change, 267
 medicine and, 245–52, 259
 mind versus matter, 279–81
 primeval matter, 264
 temporality and, 245–52, 259
 Matthew Paris
 Liber additamentorum, 166, 167
 medicine. *see also* astrology; elements, four; Galen;
 Hippocrates; mortality
 Anagni crypt frescoes, 245–52, 246, 257, 259, 303
 ancient knowledge and, 245
 astrological dimension of, 259
 astro-medicine, 267–73, 277, 303
 cosmos and, 257
 four elements and, 260
 limb assignment theory (*melothesia*), 268–9
 materiality and, 245–52, 259
 matter's ability to change, 267
 microcosm, 259–60
 papal cultivation of, 45, 247, 251–2, 272
 physician as artist, 267
 prolonging life and rejuvenation, 272–3
 time and temporality, 245–52, 259, 269
 Mediterranean courtly network, 28–30
Metalogicon (John of Salisbury), 100
 Michael Scot, 47, 65
 microcosm, 21, 249, 274
 creation theory and, 257, 263
 four elements and, 249
 human creation, 266–7

- human materiality, 279
 materiality and, 20
 medicine and astrology, 257, 259–60
 microcosmic–macrocosmic symmetry, 6, 260
 nature of change, 267
 papal cultivation of worldly knowledge, 45
 zodiac and, 269, 270
- Mirabilia urbis Romae*, 163, 170
- Mithras, 16, 158, 158, 162–3, 162, 168–9, *see also*
 pagan cults
- monochords, 111
- moral knowledge, 13, 16
- Moralia in Job* (Gregory the Great), 152
- Mordechai, 226
- mortality. *see also* medicine; time and temporal
 knowledge
 Anagni crypt frescoes, explored in, 273–4
 calendar imagery, 275–6
 cognition and, 276
 consciousness of time, 148–53
 distaff motif, 146–53, 275
 Innocent III on, 273
 labors of the months, 131, 231, 275–6
 lamp motif, 275
 life stages and aging, 35, 37, 74, 271–3
 papal life spans, 46, 248, 251, 271–3
 political power's transience and, 271–2
 postlapsarian labor and, 153, 179
 Santi Quattro Coronati frescoes, explored in, 275–6
 time transforms the body, 273
 Vita Humana frescoes, 35, 141
 Wheel of the Ages, 34–7, 35
 worldly knowledge and, 272–3
- Moses, 222, 223, 224, 226
- Muhammad, 58, 59, 185, 189, 213
- Müller, Kathrin, 8
- music, 104–11
- Narracio de mirabilibus urbis Romae* (Master
 Gregorius), 163, 170–2
- natural philosophy, 47, 77, 90
- Nero, 185, 191, 193, 204, 211, 213
- Nicola Pisano, 83, 84, 100, 101, 119, 299–300
- Nicomachus, 88, 91, 91, 93, 95, 103, 110, 111
- Nile River, 160, 168
- Norman reception room, Palermo, 27, 28
- Ohly, Friedrich, 201
- Old Testament, relationship to New, 201, 218
- On Brevity* (Peter Damian), 271
- On Christian Doctrine* (Augustine), 79, 301
- On Delaying the Symptoms of Old Age* (*De retardatione
 accidentium senectutis*) (Dominus Castri Goet), 272
- On the Misery of the Human Condition* (Innocent III),
 271
- On the Seven Liberal Arts Depicted in a Certain Picture*
 (Theodulf of Orléans), 81, 85, 99
- Opitz, Christian Nikolaus, 7
- optics, 242, 272–3
- Ottaviano degli Ubaldini, 40
- Otto III, 222
- pagan cults, 161–5, 167–70, *see also* Mithras; river
 gods
- palace painting, thirteenth-century. *see also*
 individual buildings and edifices
 allegorical animals, 26–8
 calendar imagery, 30–4
 extant frescoes and mosaics, overview, 25–6
 Mediterranean courtly network, 28–30
 monumental painting as political propaganda, 45
 papal court's rivalry with Hohenstaufen court, 25
 Santi Quattro Coronati in context, 2–7, 26, 36,
 293–303
- Palazzo Senatorio, Rome, 32, 62, 142, 142
- Pan, 145, 145
- Panofsky, Erwin, 153, 180, 182
- papacy. *see also* Anagni crypt frescoes; mortality;
 palace painting, thirteenth-century; Santi
 Quattro Coronati frescoes; *individual popes*
 astrological knowledge cultivated, 45, 247, 251,
 272, 278
 bureaucratic growth, 76
 cultural flowering at papal court, 6, 40–1, 43, 272
 education and papal court, 43, 75–6, 118
 intellectualization of court, 6, 46–8, 77, 247
 jurisprudence and, 97, 206, 211
 legal reforms, 210
 medical knowledge cultivated, 45, 247, 251–2, 272
 music at court, 104
 natural philosophy supported, 47, 77
 papal power asserted in frescoes, 1, 41–2, 78, 97
 papal self-representation in frescoes, 296
 political propaganda, 45, 197, 218
 shared cultural world with imperial court, 47–8
 time an expression of ecclesiastical authority, 127–30
 time cultivated, 77, 251
 worldly knowledge and, 5–7, 43, 45–8, 272
- papacy–Frederick II conflict. *see also* Sylvester
 Chapel, Santi Quattro Coronati, frescoes
 about, 40–3
 Anagni crypt frescoes commenting on, 7, 45–6
 as apocalyptic struggle, 213
 Donation of Constantine, 78, 214–17, 303
 Frederick as Leviathan and Antichrist, 43, 45, 204,
 212–13, 214
 legal framing of, 214
 palace painting and, 25
 pamphlet wars, 211
 pope as Pharisee and devil, 213
 propaganda, 1, 42–6, 217
 Solomon, claims to, 43
 worldly and sacred knowledge coexisting, 7
- Parabiago plate, 154, 157
- Paravicini Bagliani, Agostino, 41, 46, 271
- Paul, 189, 190, 210

- Paxson, James, 123, 219–20
 Pentcheva, Bissera, 54
 personifications. *see also* labors of the months; liberal arts; virtues and vices
 in Alan of Lille, 230
 allegory's equivocality and, 230
 cosmological personifications, 17
 eternity, 154–8
 female personifications with distinctive attributes, 79
 gender and grammar, 103
 Janus, 133, 145–7, 147, 275
 Jordan River, 164, 164
 moon, 17, 158, 159, 160, 163, 168–9
 seasons, 69, 75, 131, 132, 133, 134
 semantic openness of, 158, 163–5
 sun, 17, 158, 159, 160, 163, 168–9
 Peter, 191, 193, 204, 211
 Peter Damian
 On Brevity, 46, 271
 Petrus Comestor
 Historia scholastica, 88, 93, 111–13, 113
 Pharaoh, 151, 152, 168–9, 189, 213, 226
 Philip of Tripoli
 Secret of Secrets (Secretum secretorum), 47
 philosophy. *see also* Aristotle; Plato
 Aristotle's revisionary potential, 77
 frescoes as tools for, 291–2
 pagan philosophy's usefulness, 301
 as pathway to knowledge of God, 97
 realism versus nominalism, 242
 theology unified with, 300–3
 time in Neoplatonic philosophy, 154
 Piranesi, Giovanni Battista, 32
 Plato, 95, 110, 111, 260–1
 Timaeus, 260, 264, 285
 Plotinus, 156
 Poole, Reginald, 174
 Porphyry, 86, 95
 Pozzo, Cassiano dal, 32
 Priscian, 90, 91, 94, 94
Prognostication of Disease by Astrology (Pseudo-Galen), 268
 prophet–apostle motif, 200–1, 202, 204
 Prudentius
 Psychomachia, 43, 188, 196, 218–19, 221
 Prüfening manuscript, 222–7, 224
 Psalms, 226
 Pseudo-Aristotle
 Secret of Secrets (Secretum secretorum), 272, 277
 Pseudo-Galen, 269
 Prognostication of Disease by Astrology, 268
 Summary on Crises and Critical Days, 268
 Pseudo-Hippocrates
 Astrologia Ypocratis, 268
Psychomachia (Prudentius), 43, 188, 196, 218–19, 221
 Ptolemy, 91, 91, 95, 113
 Pythagoras, 89–90, 91, 93, 109–11, 110, 113, 114, 115
 Quadri, Irene, 29, 32
 Quintilian, 93, 218
 raising on shoulders motif, 200–1, 202, 204
 Raniero Capocci, 26–8, 63, 65
 Red Sea crossing, 152, 169, 179
 Remigius of Auxerre, 79, 93
 Revelation, Book of, 169–70, 226, 266, *see also*
 Anagni crypt frescoes
 Riccardo Conti, 38, 41
 river gods, 160, 160, 163, 168, 181, *see also* pagan cults
 Roger Bacon, 47, 65, 272–3
Roman de la Rose (Jean de Meun), 230
 Romano, Serena, 7, 26–7, 61, 244
 Rome
 artistic and architectural production, 4–6, 61
 as Christian triumph over paganism, 13, 170
 Mediterranean courtly network, 28–30
 soundscape, 108, 124
 Rowe, Nina, 207
 Royal Palace, Palermo, 27, 28
 Rudolph, Conrad, 51, 261
 Sacro Speco monastery, Subiaco, 211, 212, 236
 Saint Hubert Bible, 285
 Saint Thomas in Neumarkt, Merseburg, 201, 202
 Sala dei Nove, Siena, 4
 Salimbene di Adam, 213
 Samuel, 45, 46, 227
 San Clemente, Dominican monastery, 26–8, 27
 San Marco, Venice, 148, 149, 295
 San Pellegrino, Bominaco, 143–4, 143
 San Saba basilica, Rome, 29, 29, 31, 142, 143
 Sant'Andrea, Ferrara, 300, 302
 Santa Maria de Aventino, Rome, 32–4, 33, 142, 144, 144
 Santa Maria in Pallara, Rome, 201, 204
 Santa Maria at Summaga, Veneto, 196, 197
 Santa Maria Novella, Florence, 4, 293, 293
 Santi Giovanni e Paolo, Rome, 107
 Santi Quattro Coronati, 38
 acoustic elements, 104–5, 106
 administration of justice, site for, 207
 architectural development, 39, 122, 175
 as *Gesamtkunstwerk*, 105
 great hall, 38, 104–5, 207
 human versus divine knowledge dramatized, 58
 sensory engagement of spectators, 54
 Santi Quattro Coronati frescoes. *see also*
 encyclopedias; great hall frescoes, Santi
 Quattro Coronati; knowledge; palace painting,
 thirteenth-century; papacy–Frederick II
 conflict; spectatorship; Sylvester Chapel, Santi
 Quattro Coronati
 about, 1, 127
 Anagni crypt, links with, 5–7, 244–5
 animals, 28
 audience, 59

- calendar imagery, 14, 30, 31
 conditions of human existence, 37
 cosmological personifications, 17
 encyclopedism of, 4, 6–7, 13, 49
 as monumental image of world's knowledge, 291–3
 papal self-representation and, 296
 personified rivers, 16
 semantic ambiguity of, 165
 as tool for philosophical thinking, 291–2
 unified system of knowledge, 13
- Satires* (Horace), 191
- Saul, 45, 46, 223
- Scheyern codex, 103
- Secret of Secrets (Secretum secretorum)* (Pseudo-Aristotle/
 Philip of Tripoli), 47, 65, 272, 277
- Seidel, Max, 119
- semantic and iconographic ambiguity, 165–7, 171–2
- senses, physical, 35, 36
- Serafino de' Serafini
 Triumph of Saint Augustine, 299–303, 302
- shoulder-carrying motif, 200–1, 202, 204
- Sicily, 28–30
- Siena Cathedral crypt, 60
- Simon Magus, 185, 194, 196, 204, 213
- Sinding-Larsen, Staale, 54
- Smith, Michael Q., 8, 21
- Socrates, 95
- Solomon, 43, 44, 69, 97, 189, 205, 206, 207, 208
- Souigny Bible, 261, 262
- spectatorship
 active viewer participation, 262
 in Anagni crypt, 22, 251, 253–9, 262, 279
 ancient pictorial motifs, reception and
 repurposing, 153, 163–5
 bodily movement and, 7, 292, 296
 embodied viewing, 257–9
 entanglement and entrapment, 282
 frescoes generally, and, 53–4
 interdependency and reflective viewing, 54–60
 interpretive involvement, 223
 intervisual and participatory looking, 7, 253–9,
 296–9
 knowledge generation and, 6
 labels delimiting speculation, 184, 231
 limits of human knowledge, 292
 non-labeling of images and motifs, 167, 170, 172,
 223, 231
 semantic ambiguity of images and, 166, 171–2
 semantic openness of personifications, 158, 163–5
 virtues and vices as coded diagrams, 194
- Speculum astronomiae*, 268, 277–8
- Speculum maius* (Vincent of Beauvais), 52
- Stefano Conti
 about, 1, 38
 commissioning palace, 38
 curial career, 1, 42, 78
 Donation of Constantine and, 42
 education, 78
 knowledge, enthusiasm for, 78
 music appreciation, 104–5
 papal conflict with Frederick II and, 42
 power of written documents, 217
 throne, 69
- Strasbourg Cathedral, 207, 208
- Summary on Crises and Critical Days* (Pseudo-Galen),
 268
- Summers, David, 54, 68
- Sylvester, 42, 42, 108, 215–16, 215
- Sylvester Chapel, Santi Quattro Coronati, 104, 105,
 127, 128
- Sylvester Chapel, Santi Quattro Coronati, frescoes, 3
 Constantine and Sylvester, 108, 215, 215
 Donation of Constantine and, 42, 215, 215, 303
 liturgical calendar, 128, 129
Officium stratoris, 42, 42, 215
 papal power asserted, 41, 42, 78
 “Second Master” of Anagni crypt, 11
- syzygy diagram, 21, 45, 260–1, 274
- Theodulf of Orléans, 165, 184
*On the Seven Liberal Arts Depicted in a Certain
 Picture*, 81, 85, 99
- theological knowledge, 13, 16, 300
- Thierry of Chartres, 121, 261
Heptateucon, 96–7
- Thomas Aquinas, 77, 181, 277, 292–3, 293
- thorn motif, 144, 144–5, 145, 147, 276
- Thunø, Erik, 10
- Timaeus* (Plato), 260, 264, 285
- time and temporal knowledge. *see also* calendar
 imagery; labors of the months; mortality
 absolute versus earthly, 155–8
 as anthropocentric, 134, 146, 231, 276
 astronomy and, 245–52
 atemporal perspective versus human experience, 231
 Cain and Abel and, 148–53
 calculation of, 174–5
 calendar imagery and, 30–1, 34
 cosmological knowledge, joined with, 29
 education in relation to human life cycle, 74
 eternity, 154–8, 277
 Eucharist and, 158
 expression of ecclesiastical authority, 127–30
 incompleteness of knowledge and, 277
 interpretive uncertainty and historical time,
 165–73
 liberal arts integrated with, 74
 macrocosmic conception of, 130
 materiality and, 245–52, 259
 medicine and, 245–52, 259, 269
 months and seasons, 13, 14, 29, 31, 75
 narrative conveying, 145–6
 in Neoplatonic philosophy, 154
 non-labeling of ancient motifs, 165–73, 231
 papacy's cultivation of, 77, 251
 temporal-spatial position and knowledge, 281, 292

- time and temporal knowledge. (cont.)
 virtues and vices versus labors of the months, 231
 yearly cycle and human life cycle, 131, 231
- Toesca, Pietro, 19
- trampling motif, 195–200, 199, 222, 234, 300, *see also*
 virtues and vices
- Tre Fontane Cistercian abbey, Rome, 34–8, 35,
 139, 141, 174
- Triumph of Saint Augustine* (Serafino de' Serafini),
 299–303, 302
- Tubal, 89, 109, 111, 112, 125
- typology, 201, 203, 205, 218
- universities, 46, 76–7
- van Heemskerck, Maarten, 160, 161, 171
- Verkerk, Dorothy, 179
- viewers. *see* spectatorship
- Vincent of Beauvais
Speculum Maius, 52
- virtues and vices, 16
 Abraham, 222, 223
 Ahab, 223, 224
 Alexander the Great, 192, 194, 204
 allegory and history, interdependency of, 223, 226
 allegory versus history, 230–1
 ancient pictorial motifs, unlabeled *spolia*, 167–70, 172
 apocalyptic, eschatological framing, 213, 218
Appetite for Honor (*Honoris Appetentia*), 224, 225
 Arena Chapel frescoes, 228, 228
 Arius of Alexandria, 190, 190
 Augustine, 191, 192
 Avarice (*Avaritia*), 190, 191
 in Bamberg Apocalypse, 220–3, 222
 Caiaphas, 228, 228
 Charity (*Caritas*), 226
 Charity (*Karitas*), 191, 193, 210
 Chastity (*Pudicitia*), 222, 223
 Christ in the *Last Judgment*, 229
 as coded diagrams, 194
 Concord (*Concordia*), 189, 190
 Croesus, 227
 Daniel, 59, 189
 Daughter of Babylon, 226
 Daughter of Sion, 226
 David, 189, 189, 222, 223, 224, 226–7
 descriptive overview, 188–94
 Desire (*Voluptas*), 223, 224
 Despair, 197
 Discord (*Discordia*), 190, 190
 documentary rhetoric, 210–11, 217
 Dominic de Guzmán, 192, 196, 204–5
 Elijah, 223, 224
 eschatological image of history, 168–70
 exegetical understanding of history, 231
 Exodus narrative, 168–9
 Faith (*Fides*), 188
 Fear of God (*Timor Domini*), 192, 194, 222, 223
 Fortitude (*Fortitudo*), 226, 229
 Fortune (*Fortuna*), 227
 Francis of Assisi, 192, 195, 204–5
 good versus evil, chaos versus order, 168–9
 Greed (*Cupiditas*), 226
 Hatred (*Odium*), 191, 193, 211
 Heavenly Love (*Amor Celestis*), 192, 195, 204
 Heresy (*Heresis*), 219–20, 221
 historical and allegorical figures presented, 219
 historical knowledge and, 132, 163, 168–9, 194,
 204–5
 history versus allegory blurred, 204
 Holy Emulation (*Emulatio Sancta*), 192, 196
 Humility (*Humilitas*), 189, 189, 223, 224, 227
 Hypocrisy (*Ypocrisis*), 191, 192
 Idolatry (*Idolatria*), 183, 188
 interpicture connections, 70, 151
 Job, 168, 188, 213, 222, 223
 John (evangelist), 226
 Judas, 190, 191
 Julian the Apostate, 192, 195, 204–5
 Justice (*Iustitia*), 207, 210, 226, 229
 knowledge presented through, 13
 labels and interpretive keys, 184, 230–1
 levels of signification, 219
 Long-Suffering Patience (*Longanimitas*), 224, 226
 Love of the Present Era (*Amor Presentis*
Saeculi), 204
 Lust (*Libido*), 222, 223
 Luxury, 59
 Luxury (*Luxuria*), 189
 Magnanimity (*Largitas*), 190, 191
 Mary in *The Way to Cavalry*, 229
 metalepsis in, 220, 227
 moral knowledge, 13, 16
 Mordechai, 224, 226
 Moses, 222, 223, 224, 226
 Muhammad, 59, 189
 Nero, 191, 193, 204, 211
 Obstinacy (*Obstantia*), 222, 223
 Opulence (*Opulentia*), 227
 as papal propaganda, 218
 Patience (*Patientia*), 152, 168, 188, 213, 222, 223
 Patience/Meekness (*Mansuetudo*), 224, 226
 Penitence (*Poenitentia*), 222, 223
 Perverted Emulation (*Emulatio Perversa*), 194, 196
 Pharaoh, 152, 168–9, 189, 213, 224, 226
 Pharisee, 191, 192
 Pride (*Superbia*), 189, 189
 Prudence (*Prudentia*), 226
 Prüfening manuscript, 222–7
 psychomachian theme, 203, 205
 reflective viewing, 58
 Saint Jerome, 192, 194, 204
 Saint Lawrence, 190, 191
 Saint Paul, 189, 190, 210
 Saint Peter, 191, 193, 204, 211
 Saul, 223, 224

- scriptural narratives and exegetical commentaries
 evoked, 168–70
 shoulder-carrying motif, 200–1
 Simon Magus, 194, 196, 204
 Sobriety (*Sobrietas*), 59, 189, 223, 224
 Solomon, 43, 189, 207
 sources and references for, 197–200
 strict allegorical personifications, 219
 Temperance (*Temperantia*), 226
 temporal distance and contrast, 204
 trampling representing triumph, 196, 222, 300
 True Religion (*Vera Religio*), 191, 192
 typology structuring history, 203, 205
 Vainglory (*Inanis Gloria*), 192, 194, 222, 223, 224
 vices alluding to Frederick II, 43
 Violence (*Potentia*), 224, 226
 Wrath (*Ira*), 152, 168, 189, 213, 222, 223, 228, 229
 Vita Humana frescoes, 34–8, 35, 141
 Vitruvius, 67
 von Schlosser, Julius, 52
 Walters cosmography, 279, 280
 water and the seas, 168–9
 Williams, Steven, 47
 word–image relations
 de-naming, 166–7
 documentary mode of representation,
 210–11
 documentary rhetoric, 217
 documents in virtues and vices cycle, 210–11
 inscriptions, 165–6, 188
 knowledge preservation and dissemination,
 100
 non-labeling, 167–70
 propagandistic potential, 217–18
 words as visual knowledge repositories, 101
 zodiac and constellations, 75, 248
 astro-medicine, 257, 268
 clockwise versus counterclockwise arrangement,
 279
 interpictorial connections, 248, 257, 269
 microcosm, 269, 270
 viewpoint perspective, 279
 Walters Cosmography, 279, 280
 Zoroaster, 86