

INDEX

Note: Page numbers in italics refer to figures and plates

- Aachen
 Palatine Chapel 148–50
- Abbasid empire, Abbasid Iraq 15, 18, 22, 25, 32, 35, 40–41, 44, 46, 49, 50, 53, 64, 65, 102, 105, 109–12, 114, 139, 170–72, 174–75, 177–80, 197
- ‘Abdah 109, 111
- Abnu šikinšu* 131, 137
- Abū l-Ḥusayn Bajkam 111
- Achaemenid empire 139
- adamas* (diamond) 83, 120
- Adamnan 71
- Aden 46, 48, 50, 105
- Afghanistan 53, 56, 137, 243, 253
- Africa 13, 15, 35–36, 38, 41, 44–50, 97, 105, 147, 169, 171, 200, 245
 East Africa 15, 35–36, 45, 49–50, 171
 North Africa 13, 46, 245
- Agnellus of Ravenna 216
- Agnes of Hungary 183, 194
- Agnus Dei 197–98, 202, 208, 281
- Akkadian dynasty 131, 133–34, 136–37
- Alamannia 74
- Albert the Great (Albertus Magnus) 83, 117, 120, 122, 128, 205
De mineralibus 81, 83, 120
- Alexander Romance* 215
- Alexandria 105, 110, 248
- Alhambra (Zirid empire) 84
- Alhazen. *See* Ibn al-Haytham
- Alhazen’s problem 241
- Alps 46, 100, 147, 165, 168, 169, 233
- altar 87, 206–7, 209, 230
 portable altar 100, 191, 229, 230, 234–36, 235, 285
 altar cross 191, 233, 233, 284
- al-Amīn (Abū Mūsā Muḥammad ibn Hārūn al-Rashīd) 15
- Amurru 129
- Anabaptists 206
- al-Andalus 52, 55
 poetry 246
- Andreas Capellanus 81
- Andrew III of Hungary 183
- Aquinas, Thomas 206, 225
- Arabia 36, 56, 105, 131, 137, 200
- Arabian Peninsula 36, 47, 50
- Arabic 16, 17, 35, 47, 52, 62, 84–86, 101, 103, 108, 113, 124, 170, 237, 241–43, 245–49, 251–52, 254, 256
 literature 245–46
 pharmacognosy 243
 poetry 246
 sources 47, 237, 249
- Ardashir, king 140
- Arethas 214
- Ariadne 141, 143–45, 143, 146, 148–50
- Aristophanes 238
- Aristotle 83, 117, 131
- Armenia 56, 105
- Arsacid empire. *See* Parthian empire
- Asag/Asakku 137
- Asia 36, 47, 55, 169
 Central Asia 55, 119, 139, 193
 East Asia 171
 South Asia 131
- Assassins 112
- Assisi 193, 194
- Assyrian empire 135, 137, 138
- Assyrian Dream Book* 131
- Astorga 54
- Atalia, queen of Sargon II 135
- Augustine 92, 204, 206
- ‘Awwād, Miḥā’il 247
- ‘Aydhab 47
- Ayyubid dynasty 50
- al-‘Azīz Bi’llāh 16, 24, 32, 47, 103, 108, 170–72, 179–80
- Babylon 85, 136–38
- Bacchus 145, 149
- Bachelard, Gaston 86, 223
- Bacon, Roger 81, 124, 239, 242, 247
Perspectiva 81, 241
- Badakhshan 104
- Baghdad 18, 19, 41, 48–49, 87, 109–11, 180
- Bahrain 49
- Bald’s Leechbook* 71
- Bamberg 227
- Barovier, Angelo 163
- Barthes, Roland 10
- Bartholomaeus Anglicus (Bartholomew of England) 123–25, 125, 206
- Barus 251
- Basra 15, 19, 22, 41, 46, 49, 52–53, 56, 105–7, 109, 112, 114, 171, 175, 178–80, 241
- al-Bayhaqī, Abū al-Faḍl Muḥammad b. Ḥusayn 64
- bead (*see also* whorl) 44, 68–72, 68, 70, 76, 253, 263
- beaker 110, 110, 166, 167, 167
 Hedwig (glass) beakers 18, 100, 165, 199, 274
- Becket, Thomas 30
- Bede the Venerable 70, 126, 190, 206
- Berengaudus of Ferrières 205
- Berlin 158
- Bern 183, 184–92, 194–95
- Bern diptych 183–95, 184–85, 279
- Bilād al-Barbar 36
- Bilād al-Sufāla 36
- Bilād al-Zanj 36

- billawr* (rock crystal, lens) 46, 85, 102–3, 241, 243–44, 246, 248–49
- billawra* (a telescope lens) 248
- al-Bīrūnī, Abū 'l-Rayḥān Muḥammad ibn Aḥmad 15, 22, 46, 53, 56, 71, 75, 104–7, 109–12, 117, 171, 174–75, 179–80, 243–45, 247, 255
- Blair, Sheila 16, 17
- Blasius, Saint 230–31
- Blois 25, 63
- blood (*see also* Holy Blood of Christ) 80, 82, 92, 120, 190, 206, 229
- Borghorst (cross of) 167, 227, 233–34, 234, 284
- Born, Bertran de 87
- bottle (*see also* flask, flacon) 13–14, 14, 15, 113, 233, 257, 265
- Bowl of Atalia 135
- Browne, Sir Thomas 152–53, 155
- Burgundy 102, 104
- Burning glass (burning lens) 105, 121, 121, 238
- Buyid dynasty 49, 113
- Buzurg ibn Shahriyār 48
- Byzantine 9, 71, 87, 90, 91, 95, 99, 111–12, 117, 119, 141, 147, 149, 150–51, 161, 214, 220, 226–27, 229, 236
- Byzantium 8, 52, 64, 91, 228
- Caillois, Roger 86
- Cairo (*see also* Fustat) 9, 15–16, 21–22, 32–33, 46–49, 85, 103–5, 109–10, 114, 170, 175, 178–80, 228, 241, 248, 252, 253, 256
- Cáliz de Santo Toribio 54
- cameo glass 19, 27–28, 54, 56, 58, 60, 63–64, 262
- Candidus, Saint 221–23, 222
- Carolingian dynasty 80, 90–92, 125–26, 149–50, 213, 230, 234
- catcombs 215
- chalice 67, 198, 202, 206–7, 207, 207, 227, 234, 274
- Champagne (*see also* Blois) 25, 63, 83
- chanson de départie* 83
- Charlemagne (Carolus Magnus) 112, 149
- Charles II the Bald 92, 150
- chasuble of Thomas Becket 30
- chess piece 107, 112, 112, 207, 207, 228–29, 229, 229–30
- China 40–41, 55, 57, 104–5, 193–94, 238
- Chinese ceramics 44–45, 45, 49–50, 102, 171
- Christ 80, 145, 148, 151, 183–85, 189–92, 197, 200, 202, 204–5, 212–13, 215–17, 219, 223, 225–27, 230, 231–34, 236
- Christ Pantokrator 151
- ciati cristallini* 167
- Cicero 238
- Circa instans* (“The Book of Simple Medicines”) 201
- Claudian 84, 152–53, 155–56
- Carmina minora* 152
- Clovis II, king 150
- coconut (*nux indica*) 197–202, 201, 204, 206, 208–9, 280
- Columba, Saint 71
- Collectanea rerum memorabilium*. *See* Solinus, Gaius Julius
- communion verse (*koinōnikon*) 217–20, 218
- Comoros Islands 35–36, 37, 40–41, 45, 47, 49–50, 56
- Anjouan (Nzwani) 36, 47, 49
- Mayotte (Mawuti) 35–36, 37, 40–41, 44–47, 49, 56, 171
- Constantine I, Roman emperor (Constantine the Great) 147, 148, 213–14, 282
- Constantinople 13–14, 112, 148, 151, 216
- Hagia Sophia 213–17, 217, 223
- Contadini, Anna 29, 45
- conversion 36, 39, 82–83, 204–5, 208
- Corning, New York
- Corning Museum of Glass 27, 54, 58
- cornucopia 26, 29–31, 172–74, 177
- corpus spiritale* 221, 231
- cristallo* 163, 167–68, 226, 230
- colorato* 167
- cross, crux, crucifix 11, 11, 123, 166, 167, 188, 201–2, 207, 207, 208, 213–14, 215, 217, 219, 227, 230, 232–34, 233, 234, 284
- Crusade, Fourth 14, 200
- crystal glass 18, 52, 163–68
- crystalline 211
- effect 80, 82, 84–87, 162, 211–23
- sphere 205–6, 209
- Ctesiphon (Iraq) 140
- cultural exchange 198, 208
- Cup of Khosrow I (Tasse de Salomon) 65, 138, 138, 270
- Cyprus 118, 132
- Dagobert (throne of) 148–49, 149
- Damascus 109, 111–12
- Dante 82, 87
- Rime Petrose* 80, 82
- al-Dawla, Nāṣir (Nāṣir al-Dawla Abū 'Alī al-Ḥasan b. Ḥamdān), 109, 111, 113
- Dead Sea Scrolls 246
- De diversis artibus*. *See* Theophilus Presbyter
- Dembeni 36–41, 38, 39, 44–45, 48–50, 56, 260
- De mineralibus*. *See* Albert the Great
- Dibājāt 46
- Diodorus Siculus 155, 211
- Dionysius of Halicarnassus 151
- Dioscorides 117
- De materia medica* 117
- Doctrina poliendi pretiosos lapides* 96–97
- Dominicans 118
- Du Sommerard, Alexandre 141, 142, 150
- Du Sommerard, Edmond 141–42
- Egypt 13, 15, 18–19, 22, 24–30, 32, 35, 44, 46, 48–50, 52, 55, 65, 95–96, 101, 104, 114, 117, 149, 164, 169–71, 226–27, 241, 252–53

- ekphrasis 129–30
 Elamite 139
élan vital 223
 emerald (*zumurrud*; Nero's emerald) 83, 87, 119, 156, 238, 243–44
 England 67, 74–75, 206
 Enki/Ea 134
 Epiphanius of Salamis 69–70
 Erdmann, Kurt 22–23, 109, 170, 172
 Esarhaddon 137
 Ethiopia 201
 Euclid 241
 Exaltation of the Cross (Ἐξωσις) 217
 eyeglasses (*see also* spectacles) 115, 124, 187, 237–39, 241–42, 247, 249
 Ezekiel 145, 153, 189, 205, 221, 225, 232
 ewer
 al-Aziz ewer 20–21, 23–26, 30, 171, 172–74, 179, 276
 Buckley glass ewer 22, 26–28, 259
 Corning ewer 26–28, 54, 59, 60, 61, 262
 Fatimid ewer 104, 104, 264
 Fermo ewer 25, 28–29, 32, 107–8, 108, 258
 Keir Collection (Francis Mills) ewer 31–32, 53, 61
 Ḥusayn ibn Jawhar (Palazzo Pitti) ewer 16, 17, 23–24, 28, 108, 179, 288
 Mouflon ewer (Venice ram ewer) 26, 59, 60, 174, 174–76, 179–80, 277
 Saint-Denis ewer 24–25, 62, 114, 266
 Victoria and Albert ewer 25, 29–30, 63, 261
- Fahd ibn Ibrāhīm 253
 al-Fārisī, Kamāl al-Dīn 241–42
 Fars 41
 Fatimid
 period 15, 17–18, 22, 32, 105, 108–9, 170, 180
 rock crystal 16, 24, 27–29, 32, 45, 85, 89, 107, 109, 114, 114, 165, 257, 258, 259, 261, 264, 265, 266, 276
 Fatimids 15, 47–49, 101–2, 108, 114, 171, 179–80, 227
 firmament 80, 154, 189, 205–6, 221, 225, 231–32
 flacon (*see also* bottle, flask) 113, 155, 198, 199, 202, 209, 281
 flask (*see also* bottle, flacon) 13, 54, 56, 62, 63, 111, 155, 155, 175, 176, 178, 203, 203, 227, 228, 228, 233–34, 234, 281, 284
Floire et Blancheflor 85
 Florence 12, 16–17, 22–24, 47, 108, 173, 237
 Franciscans 118, 194
 Franks 105
 Fustat (*see also* Cairo) 27, 46–47, 52–53, 56, 109–10, 165, 175
- Galilei, Galileo 248
 Gandersheim 13, 15, 227, 232, 234
 Gaul 74
 gazelle 17, 30
 gem, gemstone 7–8, 10–11, 67–70, 80–81, 83, 87–89, 91–94, 96–97, 99–100, 107, 120, 125–27, 131, 136–37, 139–40, 145, 147–49, 152, 154, 156–62, 159, 164–66, 183, 186, 191, 205, 212–13, 222–23, 226, 233, 236–37, 243, 244, 246, 272
- Genesis* (Bible) 205, 216
 Geniza 46, 112
 Germany 141, 143, 167, 194, 200–201
 Gertrude “the Great” of Helfta 83
 Ghazna 109–11, 243
 Ghaznavid dynasty 53
 al-Ghūrī, Shihāb al-Dīn 111
 al-Ghuzūlī, ‘Alā’ al-Dīn ‘Alī b. ‘Abdallāh al-Bahā’ī 105, 109–10, 111
 Giordano da Rivalto (Giordano da Pisa) 237
 gospel book 80, 86, 226
 Gottfried von Strassburg 82
 Tristan 82
 Great Khan. *See* Kublai Khan
 Greco-Arabic
 medicine 243
 mineralogical knowledge 246
 Greece 241
 Greek
 medicine 242
 sciences (translation and reception) 241
 Greeks 35, 157, 162, 238
 Gregory of Nazianzus 213, 282
 Gregory of Tours 67
 Gregory I, pope (Gregory the Great) 80, 153, 189, 221, 231
 Grube, Ernst 28, 65, 172
 Guelph Treasure (portable altar) 227, 230, 231, 234–36, 235, 285
 Guillaume de Lorris 81, 124
 Roman de la Rose 80–81, 124, 267
- Hadhramaut 49
 Hadhrami 50
 Haimo of Auxerre 189, 220
 al-Ḥākīm 112, 179
 Halberstadt 14–15, 18, 230–31
 al-Hamadāni 105
 Ḥamd Allāh Mustawfī 105
 Hamdanid dynasty 109, 111
 Heavenly Jerusalem 80, 86, 189, 213–14
 heavenly realm 206, 209, 225
 Hejaz 56, 105
 Hellenistic period 131, 137–38, 140, 159–60
 Henry II, Holy Roman Emperor 149–50, 227, 271
 Hercules 161, 273
 Heraclius 92–94
 De coloribus et artibus Romanorum 92, 94
 Heribert of Cologne 202, 202
 Holy Blood of Christ 13, 190, 197, 200, 202, 204, 209, 227, 233, 234

- Holy Blood relic 13–14, 14, 197, 200
 Holy Lamb. *See* Agnus Dei
 Holy Land 13, 85, 112, 194
 Holy Sepulchre 112
 Honorius Augustodunensis (Honorius of Autun) 232
 Hormuz 41, 47–49
 Hova 45
 Hrabanus Maurus 68, 118, 125–26, 201, 204, 206, 226, 236
 De rerum naturis (De universo) 125, 126, 127, 268
 Hungary 67, 74, 183, 194
- Ibn al-Habhāb, ‘Ubayd Allāh 252
 Ibn al-Haytham (Abū ‘Alī al-Ḥasan b. al-Ḥasan b. al-Haytham, Alhazen) 239–40, 241, 241–42, 244–45
 Kitāb al-Manāẓir (Opticae Thesaurus) 241
 Ibn Hubayra, ‘Awn al-Dīn 112
 Ibn al-Khabīr 113
 Ibn Naghrillah, Samuel 84
 Ibn al-Zubayr, al-Qadi al-Rashīd 101–2, 108
 Ibn Bassām al-Shantarīnī, ‘Alī 246
 Ibn Ḥamdīs (‘Abd al-Jabbār ibn Abī Bakr ibn Ḥamdīs al-Ṣiqillī) 85, 245–47
 dīwān 245, 247
 Ibn Jubayr (Abu ‘l-Ḥusayn Muḥammad b. Aḥmad b. Jubayr al-Kinānī) 112
 Ibn Khurradādhbih, ‘Ubayd Allāh 47
 Ibn Lākīs 47
 Ibn Sahl, Abū Sa‘d al-‘Alā’ 241
 Ibn Sīnā (Avicenna) 245
 Ikhshidid dynasty 22
 Inanna 134, 137
 India 41, 48, 55, 57, 61, 65, 100, 104, 117, 132, 139, 163, 205, 238
 Deccan Plateau 50
 Indus Delta 50
 Indus Valley 137
 people of India 50, 238
 Indian Ocean 35, 35–36, 40, 44, 46–47, 48, 49–50, 56
 intaglio 91–92, 91, 159, 185, 185, 189, 190–91, 193, 212, 213, 239, 272
 Iphur 134
 Iran 15, 19, 22, 24, 27, 29, 41, 44, 49, 51–52, 64, 104, 107, 110, 132, 139, 164, 200, 253–55
 Iraq 15, 19, 22, 24, 32, 35, 41, 44, 46, 49, 51–54, 65, 113, 130, 132–35, 164, 171, 177, 238, 253
 Ishtar 137
 Isidore of Seville 67, 70, 81, 118, 120, 124–25, 127, 204
 Etymologies 118, 126, 153
 Ismaili Shia 22, 46, 179
 Italy 28, 67, 74, 92, 104, 165, 167, 194, 234, 249
- Ja‘far al-Marwazī 47
 Jacob van Maerlant 121, 121, 123
- Jaipur 59, 65
 Java Sea 56, 171
jawhar (“gems,” “[fluidic] essence”) 245–46
 al-Jawzī, Sibṭ ibn; Abu‘l-Farash b. 113
 Jeddah 49
 Jerusalem 14, 80, 86, 112, 126, 189, 213, 214, 227
 Jet (*sabaj*) 243, 253
 John Climacus 220
 John of Ibelin 85
 John of Joinville 112
 John the Baptist 112
Jowhar-nāma-ye neẓāmī 97, 107
 al-Jurjānī, Abū l-Ḥasan ‘Alī b. Muḥammad b. Abdallāh al-Ṣā‘igh 243
 al-Juyūsh, Nāẓir 111
- Kabti-ilani-Marduk 136
 Erra Epic 136
kallichoros 216–19, 223
 Kamāl al-Dīn al-Fārisī 242
Tanqīh al-Manāẓir 242
 Karlsreliquiar 163, 274
 Kashgar 104, 110, 111
 Kashmir 56, 104–5, 107, 171
 Kepler, Johannes 248
khawāṣṣ al-ahjār (specific virtues of precious stones) 243, 246
 Khudov Psalter 219, 219
 Khorasan 52–53, 64, 87, 109
 Khosrow I 65, 138–39
 Khusraw, Nāṣir-i 15, 46, 53, 85
 Khuzestan 41
 Kilwa 44, 47, 49–50
 al-Kindī, Abū Yūsuf Ya‘qūb b. Ishāq 52, 105–6
 Kish 49
Kitāb al-Manāẓir. *See* Ibn al-Haytham
 kohl, *kuhl* 46, 112, 243
 Königsfelden 183, 194
krystallos (χρυστάλλος) 81, 151, 225, 246
 Kublai Khan (fifth Great Khan) 86, 193
 Kufic script (letters, inscriptions) 17, 47, 65, 251, 253–56
 Kühnel, Ernst 17, 170–72, 180
 Kurdistan 132
- al-Laḥḥām 243
 lamb. *See* Agnus Dei
Land of Cockayne 79–80, 88
 lapidary (texts, literature, tradition) 58, 61, 69, 71, 72, 79, 81, 83–84, 117, 120, 121, 122, 131, 137, 170, 204, 220
lapides ad legendum. *See* reading stone
 Lamm, Carl Johan 18, 19, 19–20, 22, 170, 175
 Larsa (Tell Senkerah, Dhi Qar Province, Iraq) 129–30
 Lateran Council, Fourth (1215) 199
 lathe 57, 60, 64, 95–96, 132, 200

- Latin (language) 69–70, 83, 117, 121, 151, 201, 205, 212, 221
 Latin East 84–85
 Latin West 13, 16–17, 25, 241
 lenses. *See* eyeglasses, magnifying glass
 Levant 52, 55
 Linnaeus 131
 lion, lionhead 16–17, 21, 31, 85, 111–12, 119, 134, 137, 141, 143–50, 143, 144, 145, 197–98, 200, 202–4, 203, 208, 219, 271, 281
 Lipperhey, Hans 248
 Livia, Roman empress 120, 157
 Louis IX, king 10, 112
 Lugale 137
 Lupus de Ferrières 92
- Madagascar 8, 35–36, 40–41, 44–45, 47–50, 56, 100, 105, 171
 Maghreb 46, 52, 105, 113
 magnifying glass, reading glass (*see also* eyeglasses, reading stone) 79, 124, 136, 187, 226, 229–31, 238–39, 244, 246
 Mahilaka 56
 Maignan, Alfred 150, 271
 Maldives 46–47, 56, 171
 Mamluk sultanate 50
 al-Ma'mūn ibn Dhī al-Nūn 113
 Manda 44, 49
Mappae clavicula 92–95, 200
 Mapungubwe 105
 al-Maqrīzī, Aḥmad b. al-Mas'ūdī 15, 22, 101, 103–4, 170, 179–80
 Marbode of Rennes 121, 225
Liber lapidum 121
 Marco Polo 193
Le devisement du monde 86
 Marduk 136
 Marinid sultanate 53
 Marrakesh 105
Martyrium Juliani et Basilissae 215
 Mary. *See* Virgin Mary
 Mecca 39, 112
 Zamzam Pavilion 112
 Medina 112
 Mediterranean 9, 30, 55, 64–65, 85, 89, 99–100, 228
 Merovingian dynasty 67, 71, 73, 76–77, 90–91, 148–49
 Mesopotamia 29, 46, 129–32, 136–37, 139–40, 169
 Metz 149, 226
 Meydenbach, Jacob 122–23, 122
 Middle East 97, 165, 252
 Migeon, Gaston 17, 169
 Mogadishu 35, 49
 Mombasa 36, 45, 49
 Morocco 53, 46, 245
 Morosini, Tomasina 183
 al-Mu'izz li-Dīn Allāh 109, 111
 Münster 197–203, 206, 208, 228
- muqaddir* 15, 46, 56, 106–7, 109
 Murano glass 163, 167, 195, 239, 240
 al-Mustanşir Bi'llāh 170
 al-Mutawakkil 111, 178
 Mwene Mutapa 49
- Natter, Lorenzo 60
 Near East 8, 19, 51, 117, 129, 131–32, 139, 165, 170
 Nero's emerald (*see also* emerald) 238, 244
 New Jerusalem. *See* Heavenly Jerusalem
 Nimrud 135, 238
 Nimrud lens 135–36, 136, 238
 Nimrud palace 135, 238
 Ninlil 137
 Ninurta 137–38
 Nishapur 23, 44, 52, 109–10, 253
 Niẓāmī 246
 Normans 96
 Nosy Be 46
 Noto 345
nux indicia. *See* coconut
- ophthalmology 242–43
 optics 128, 194, 237–39, 241–44, 246, 248
Orphic Lapidary 69
 Otto I 228
 Otto II 150, 227
 Otto III 228–29
 Otto the Mild 229
 Ottonian dynasty 149–50, 228
- Pamir Mountains 104
 Paradise 205
 Paris 97, 100, 102, 104, 166
 Hôtel de Cluny 141
 Musée de Cluny 141–43, 146–47, 149–50
 Saint-Denis abbey 25, 47, 63, 138, 148–49
 Sainte-Chapelle 141
 Parthian empire 138, 140
 Passion of Christ 134
 Paul, Saint 82, 206, 229, 231, 233
 pendant 11, 11, 69, 72–77, 72, 74, 75, 90, 90, 148, 263, 267
 Persia (*see also* Iran) 27, 46, 48, 87, 169, 193
 Peter the Lombard 205–6
 Philes, Manuel 151
pierre de lecture / pierre à lire / pietra di lettura. *See* reading stone
 Pinder-Wilson, Ralph 25–26, 29, 30
 Pisa 194, 237
 Pliny the Elder 7, 70, 81, 147, 152, 169, 238
Natural History 7, 70, 117–19, 132, 147, 152, 156, 169
pneuma 152, 216–17, 219, 221
poikilos (ποικίλος), *poikilia* (ποικιλία) 212

- polymorphy 212–13, 220
 Posidippus 152
 precious stone (*ahjār*) (*see also* gem, gemstone) 80, 83, 86, 97,
 103–4, 111, 114, 117–19, 126, 136, 140, 151, 161, 164, 178,
 193, 199–200, 202, 205, 226–27, 242–43, 246
 Procopius 216
 Prüm 226
 Psalm 4:6 (Bible) 218, 219
 Psellos, Michael 71
 Ptolemy 157, 247
 Optics 241

 Qanbalū 40–41, 47–48
 al-Qazwīnī, Zakariya 15, 103, 255
 Quedlinburg 228
 Qulaila (lamp) 109, 112

 al-Rāḍī (Abū al-‘Abbās Aḥmad [Muḥammad] ibn al-Muqtadir)
 15, 111–12
 Raqqa 52, 55
 al-Rashīd, Hārūn 64, 112, 180
 Rasulid dynasty 50
 al-Rāzī, Fakhr al-Dīn 252
 Ravenna 216
 Cappella Arcivescovile 216
 reading stone (rock crystal and ruby as reading stones) 238–40,
 239, 240, 244, 244, 249
 refraction 85, 195, 241–42
 reliquary 10, 14, 47, 93, 95, 98, 100, 123, 176, 183, 198–200,
 199, 202, 207, 230, 236, 257, 275
 Revelation, Book of 10, 80–81, 86, 145, 185, 189, 191, 199,
 214, 225
 Rhineland 74, 232–34
 Ria 148
 Rice, David Storm 16, 23, 24, 25, 28, 29, 170, 172, 173,
 175, 179
 Richard of Saint Victor 190, 205, 213, 226, 232
 Rim-Sin, king 129
 Romans 67, 69, 157, 238
 Romanos 111–12
 Rome 119, 149, 151, 157, 169
 Santa Maria Maggiore 145, 215, 223
 ruby 83, 107, 243, 244
 Rupert of Deutz 190, 220

 al-Sallāmī, Abū ‘Alī al-Ḥusayn 243–44
 Samarra 18–19, 41, 52–54, 65, 110, 164–65, 175–76, 178, 180
 Samarra bowl 21, 164, 164–65, 175–76
 San Lorenzo bottle 17, 21, 22–23, 23, 32, 259
 Sanje ya Kati 38, 50
 Sarandīb (*see also* Sri Lanka) 106, 243–44, 253
 Sargon II 135
 Sasanian period 19, 22, 30, 45, 46, 50, 51, 64, 65

 Savignone, Andalò da 194
 scepter 148, 214, 216, 283
 Scheerbarth, Paul 86
 Schütte, Thomas 115, 115
 Sciascia, Leonardo
 Il consiglio d’Egitto 245, 247
 Scythia 119
 seal 159, 254, 286
 cylinder seal 51, 131, 132–35, 133, 134, 137, 269
 amulet seal 254–55, 255, 256, 256, 286
 pyramidal seal 253, 253
 Seleucia, Seleucid period 137–38, 140
 Sennacherib 137
 Seneca 152, 155, 238, 246
 Shanga 44, 49
 Sharma 44, 49
 Sheba, queen 145
 Shep-Sin 129–30, 269
 al-Shihr (*see also* Yemen) 50
 Shiraz 47, 49
 Shirazi period 36, 47, 49–50
 Sicily 49, 63, 85, 96, 104, 112, 165, 245
 Siegfried, bishop of Münster 206
 Sinbad 47
 Siraf 41, 44, 47, 49, 252
 al-Sīrafī, Abū Bishr 243
 Sofala 35–36, 48, 50
 Solinus, Gaius Julius 118–22, 127
 Collectanea rerum memorabilium 118–19, 119
 Solomon, king 84–86, 145
 Song of Songs 201
 Spain 54, 67, 84–85, 110, 194, 245
 spectacles (*see also* eyeglasses) 124, 194, 238, 243, 247–48
spolia 8, 86, 208
 Sri Lanka (*see also* Sarandīb) 46, 56, 106–7, 253
 Stavelot 229, 230
 Stoicism 152
 Sufāla al-Dhahab 36
 Suger, abbot 63, 79
 Suitger 229
 Sulayhid dynasty 48
 Sulaymaniyah/Slemani 132
 al-Ṣūlī, Abū Bakr Muḥammad b. Yaḥyā 109
 Sultan Qa’it Bay 112
 Sumatra 251
 Sumerian sources 129, 131, 137
 Susa 41, 44, 46, 139, 139
 Suso, Henry 10
 Swahili 35–36, 38, 40, 45–47, 49–50, 105, 200
 Syria 52

 Ṭāhir, Muḥammad b. 109
 Taifa 113

- Takiyüddin (Muḥammad ibn Ma'rūf Taqī al-Dīn) 248
Nūr ḥadaqat al-abṣār wa-nawr ḥadiqat al-anzār 248
Tamerlane 194
Tanqīḥ al-Manāzīr. See Kamāl al-Dīn al-Fārisī
Taqī al-Dīn, Muḥammad ibn Ma'rūf. See Takiyüddin
Tasse de Salomon. See Cup of Khosrow
Taut, Bruno 86
Taymūr, Aḥmad 245, 247
Tbilisi 244–45
National Georgian Museum 245
telescope 242, 248–49
Theobald, abbot of Montecassino 126
Theophanu 150, 227, 230–31
Theophilus Presbyter 93–95, 120, 226, 239
De diversis artibus 93–94
Thessaloniki
Hosios David 215
Thibaut I (the Troubadour) 83
Thibaut II (the Grand) 25, 63
Thomas of Cantimpré 125
al-Tifāshī, Aḥmad ibn Yūsuf 104–5, 243
Tigris 140
Toledo 113
transparent bodies (*al-ajsām al-mushiffa*) 242
transparent stones (*aḥjār mushiffa*) 242
Trier 147–48, 226
Trinity, Trinitarian 201–2
Tripoli 108
Tulunid period 18, 22, 46
Turkey 101, 132
turquoise (*fīrūzaj*) 243
al-Ṭūsī, Nāṣir al-Dīn 110
Tyre 52
Umayyads 102
Ur 133–34
Uruk 132, 137
Venantius Fortunatus 216
Venice, Venetian 9, 28, 97, 99–100, 104, 163, 166–68, 172, 183–88, 193–95, 207, 230, 232, 239
San Marco 163, 195
Venus 137, 161, 273
Vincent of Beauvais 206
Vioni, Pietro 193
Virgin Mary 83, 123, 147, 185, 191, 207, 223, 227–28, 236
vision aids. See eyeglasses, spectacles, reading stone
Vohemar 44, 46
votive 86–87, 129–30, 140
Wādī al-Naṭrūn (Egypt) 55
al-Walīd 109
Waq-Waq 36, 40, 47
Wessobrunn 227
whorl (see also bead) 69–70, 69, 71–73, 75, 76–77
Wilbrand of Oldenburg 85
Journey in the Holy Land 85
William of Malmesbury 123
Wisigard, queen 76
Wolfram von Eschenbach
Parzival 86
Yemen 47–48, 49, 50, 53, 105, 256
Zacharias of Babylon 137
Zagros Mountains 132
al-Zāhir ('Alī al-Zāhir li-'izaz din Allāh) 16, 108, 170, 171, 172, 180, 287
Zanj 35–36, 46–48, 105–7
Zanzibar (Unguja) 26, 46, 49
Zimbabwe 49, 105
Zwiefalten 227, 230