

INDEX

- abbreviations, 102, 104, 114
 abugida, *See* writing, alphasyllabic
 Accha, Peru, 240
 Addison, Joseph, 153
adinkra, 12
 Aegean Sea, 83–84
 Aeschylus, 178
 Aleppo, 97
 al-Harizi, Judah, 134
 al-Shadhili, 94
 Anatolia, 83, 93, 97
Andean Past, 233
 Andes, 236, 239, 241, 252
 labor organization in, 241
 antiquarianism, 154
 anti-Semitism, 154
 Anyang, China, 19–23
 Aphrodisias, Turkey, 201
 Arabic, 80, 82–83, 85, 87, 91–92, 151
 alphabet, 81, 83–85, 91
 diacritic marks in, 83
 letters of, 81–83, 88–90, 92–96
 verticality in, 81, 83–85
 writing, 81–87, 101, 125
 cursive, 58, 81, 92–93, 97
 Kufic, 81, 92–95, 98–99
 naskh, *See* cursive
 on candlesticks, 93–95
 on ceramics, 90
 on coins, 98
 on medicine bowls, 95–98
 on metal objects, 93–95, 98
 on stone, 81
 on tiles, 87–91, 99
 archives, 28
 Arık, Rüçhan, 88
 Arntz, Gerd, 14
 Arretium, Italy, 178
 Arretine ware, *See* Roman Empire, pottery, *terra sigillata*
 art historians, 57, 84–85, 97, 124–25, 143, 160, 175, 221
 artists, 8, 58, 87, 91, 101–11
 genius of, 114–15, 124
 self-portraits, 117
 signatures, 100, 102, 106, 113, 115–20, 124
 Asante, 12
 Ascalon, Israel, 84
 Assmann, Jan, 41
 audience, *See* viewer
 Austria, 141, 151
 ayllus, 238–41, 252–53
 as work group, 239–40
 definition of, 238
 instability of, 239–41
 land tenure, 239, 241
 moieties of, 239
 Baetica, 181, 198
 Bailey, Julia, 85
 Bali, 131–32
 Balkans, 83, 142
 Barberini Palace, *See* Palazzo Barberini, Rome
 Baudius, Dominic, 155
 Bavaria, 141, 151
 Bedouins, 13
 Benjamin, Walter, 41
 Biblioteca Civica, Bergamo, Italy, 58
 bilingualism, 109, 131, 144, 238, 259, 267
 Blair, Sheila, 91
 Blanjong inscription, 131
 Bohemia, 151
 Bolivia, 239, 256, 269, 274, 279–80
 administrative organization of, 257–58
 communities, 258–60, 282–83
 districts, 257–60, *See also* Padcoyo, Bolivia
 indigenous communities of, 256–57, 275, 279
 agriculture in, 270, 276
 churches in, 260, 263, 266, 268, 275, 277, 280, 283
 pastoralism in, 264, 270, 276
 mestizos in, 278
 books, 62, 138–39, 142, 145, 154, 256, 266, 279
 Decas Mariana, 151
 Bracciolini, Poggio, 114
 Brahmi (script), 132
 brands, 13
 bricks, 15, 84–86, 133, 173, 178
 adobe, 233, 236–37, 240, 242–53
 soil composition of, 242–43, 246, 249, 251
 Roman, 184, 189
 imperial monopoly of, 192

- brickstamps, 184–94, 197–98
 atextual, 189–93
 commercial function of, 184–86, 188–89
 consular dates, 189–90
 evolution of, 184–86, 189, 192
 matrices, 190, 193
 military implements as, 192
 names of *officinarios*, 188, 190–91
 names of slaves, 189–92
signa, 184–89, 192–93
 definition of, 184
 motifs, 187
 textual elements in, 184–87
- Buddhism, 5
 sutras, 5–6
- buoys, 13
- bureaucracy, 10, 128, 234, 252
- Byzantine Empire, 84–87, 97, 178, 202, 206, 210
 art of, 204–6, 212
 artists of, 85, 87, 91
 churches of, 80–81, 84–85, 87, 98, *See also*
 Kapnikarea church, Athens; Hosios Loukas,
 Greece
 coinage of, 97
 emperors of, 212
- Calancha, Antonio de la, 245
- Campbell, C. Jean, 125
- Campbell, Stephen, 101, 114
- Caracol, Belize, 70, 75
- Castre, Sabatier de, 154
- Cavallaro, Raffael, 242–43
- chaîne opératoire*, 237, 243
- Chama, Guatemala, 64
- Chan Chan, Peru, 234, 244–45
- chihiuta*, 239–40, *See also ayllus*
 definition of, 239
- Chimor, *See* Chimú Empire
- Chimú Empire, 243–46, 252–53
ciudadelas, *See* palaces
 expansion of, 244
 officials of, 251
 palaces, 244–46
 construction of, 244–45
- China, 19, 26
 Tang, 15, 215
 Warring States period, 31
- Chinese writing, 2, 19, 39
 disguised, 39
 inlaid, 31, 34
 on bamboo, 32
 on bells, 31
 on bronze vessels, 29, 34, 37
 on weapons, 31
- Christianity, 85, 134, 201, 206
 angels, 108, 111, 114–15, 124, 145
 Saint Michael, 206, 209
 Annunciation, 100–15, 119–20
- Bible verses, 106, 213
- bishops, 147–48, 150, 210, 212
- Books of Hours, 268, 283
- catechism, 258, 266, 268–69, 279, 283, *See also*
doctrina
- Catholicism, 141–42, 256, 267, 275–76
- Counter-Reformation, 141
- Crucifixion, 104, 125, 284
- early, 200
- Easter, 256, 274, 276, 278–81
- Eastern Orthodox, 86, 98
- Jesuits, 257
- John the Baptist, 106
- Lent, 256, 258, 266, 271, 276–80, 282
- liturgy, 123, 209
- martyrdom, 201
- missionaries, 259, 264, 283
- Old Testament, 123
- paideia*, 210
- pilgrimage, 86, 212
- prayers, 199, 256, 258–66, 275, 278–79,
 281–83
- Protestantism, 141–42
- Reformation, 141
- symbolism in, 104, 115
- Ten Commandments, 256, 267
- chronograms, 8–10, 128, 130–31, 155
- Arabic, 135
 chronology of, 135
tarikhs, 135
 arguments against, 153–54
blutasamkhyā, 131–33
 chronology of, 131
cabala, 147–48, 151–53
 classification of, 130–31
 definition of, 155
 double, 147
 errors in, 137
- Hebrew, 134–35
 chronology of, 134–35
- inscribed, 126, 139, 145
- ludic, *See* playful
- playful, 8, 128, 136–37, 144–45, 150, 153, 155
- pure, 147
- Roman numeral, 136–48, 154–55
 chronology of, 138–40
 geographical distribution of, 140–41
 Latin, 142
 multilingual, 144–45
 relation to other traditions, 151–53, 155
 vernacular, 145
- sengkala*, 131–32
- Chu, 31–32
 bird script, 31–33
 definition of, 31
 inlaid, 31
 on bells, 31–33
 on bronze vessels, 29–30

- on weapons, 31–33
 - pictorial elements in, 30–31
- Cinteño Tambo, Bolivia, 282–83
- circus (Roman), 201
 - factions, 201–2
- Cleveland Museum of Art, 58
- code-switching, 4
- cognitive science, 128
- communication, 4, 11–12, 15–16, 66, 120, 191, 213
 - visual, 3, 57, 160, 173, 200, 279, *See also* Elkins, James
 - with the divine, 111, 204, 209
- comunidad*, *See ayllu*
- Copan, Honduras, 61–64, 66–67, 69–71, 74, 77
- Coptic, 203
- Corbie abbey, France, 209
- Cotzumalhuapa civilization, 76–77
- Crete, 83–84, 86, 235
- cryptographers, 3, 138
- cryptography, 41, 66, 130, 133–35
- Crystal, David, 126
- Cultural Graphology, 3
- curse tablets, 4
- Czech, 142
- Czech Republic, 141
- da Fabriano, Antonio, 102
 - Saint Jerome in his Study*, 102
- Daidōji Yūzan, 231
- Dalgarno, George, 14
 - Ars signorum*, 14
- Danesi, Marcel, 127
- decipherment, 54, 99, 115, 124, 130, 132, 137, 155, 159, 162, 210, 234, 259
- Decoster, Jean-Jacque, 240
- Deir el-Medina, Egypt, 14, 161, 163, 167, 182, 254
 - literacy rates at, 170
 - organization of workforce, 167–68
- Derrida, Jacques, 3
- Dickens, Charles, 10
- Diocletian, 192
- doctrina*, 256–57, 259–63, 266, 283
 - definition of, 256
 - doctrineros*, 262, 267–68, 281–83
 - competency of, 280, 282
 - election of, 258
 - in printed form, 256, 259, 275
 - maestros*, *See doctrineros*
 - teaching of, 260–63, 266, *See also rezos*
 - as compulsory, 281
 - bodily engagement in, 266, 269, 274–75, 278
- Dumbarton Oaks, Washington D.C., 70, 204
- Dutch, 136, 142–44
- Egypt, 56, 67, 84, 160–61, 163–64, 173
 - chronology of, 46, 162
 - Eighteenth Dynasty, 162–63, 166, 169–70
 - First Intermediate Period, 46
 - Middle Kingdom, 46, 167
 - New Kingdom, 46, 48, 52, 161–63, 166–67, 171
 - Nineteenth Dynasty, 166, 168
 - Old Kingdom, 167, 235
 - Ptolemaic, 44–45, 163
 - Ramesside, 44, 162, 164, 166, 169
 - Roman, 44
 - Twentieth Dynasty, 162, 164, 166–67, 170
 - hieratic, 49, 162–64, 166, 170
 - on ostraca, 166, 170
 - on papyrus, 163
 - origins of, 164
 - hieroglyphs, 8, 42–44, 161, 164, 166, 170, 172
 - animals, 44–45
 - deities, 42–43
 - iconicity of, 46, 164, 169
 - substitution in, 49–51
 - Netherworld Books, 48, 52
 - pyramids, 167, 234–35
 - royal necropolis at Thebes, 48, 161, 167, 170
 - Valley of the Kings, 161, 169, 172
 - Valley of the Queens, 161
 - Sais Decree, 47–48
 - writing in, 41–42, 46, 48, 53
 - acrophony, 44
 - determinatives, 47–48, 50–51
 - full-figure, 42–44, 50
 - logograms, 48–51
 - monumental, 42–46
 - phonograms, 47–48, 50–51
 - pictorial nature of, 42, 160, 165–66
 - repetition in, 50–52
- Egyptian, 46–50
- Egyptian Museum, Cairo, 58
- Egyptologists, 163, 165
- elites, 23, 32, 206, 214–15, 217, 220, 241, 243–44, 246
 - competition amongst, 46, 253
- Elkins, James, 57, 160, 165, 171, 175, 177, 193
- Elsner, Jan, 212
- emojis, 11–12, 144
- England, 14, 140–41, 145, 151
- English, 14, 129, 142, 144, 147–48, 150
- Ephesos, Turkey, 201
- Esna, Egypt, 44–46
- Etruria, Italy, 184
- et-Tereif, Sudan, 206
- Ettinghausen, Richard, 85
- Euripides, 178
- Europe, 6, 104, 126, 134, 138, 151, 153–54, 226, 231, 243, 268, 279
 - central, 145
 - early modern, 130
 - Eastern, 139
 - medieval, 136
 - vernacular languages of, 142
 - Western, 150, 153

- Farfán Archaeological Project, 246
 Farfán, Peru, 233–34, 243–52
 chronology of, 245–46
 Compound II, 246–49
 variability of brick sizes, 246–49
 conquest by Chimú, 245
 Fincher, David, 129
 Seven, 129
 Finkel, Irving, 127–28
 Fischer, Henry, 66–67
 footprints, 175–81, 197
 as marks of presence, 177–78
 France, 141, 144, 149–50
 Carolingian, 209
 French, 137, 142, 144
- Gerace, Sicily, 194–96
 German, 140, 142, 144–45, 149
 Germany, 126, 150–51
 Gobert, Thomas, 6
 graffiti, 162–63, 174–75, 181, 202
 Grammatology, 3
 graphicacy, 15, 169, 173, 188, 199
 definition of, 199
 Greece, 84–85, 199
 Hellenistic, 199
 Greek, 3, 86, 131, 178, 188, 201–3
 loanwords, 155
 writers, 153
 writing, 101, 111, 183
 letters, 104
 Guinea-Bissau, 3
- Hagia Sophia, 210
 Han, 39
 writing, 34–39
 on *hu*, 37
 pictorial elements in, 37
 hands (scribal), 81–82
 Harris, Roy, 171
 Hebrew, 6, 151, 155
 writing, 101, 109
 heraldry, 13, 215, 231, *See also* mon
 Herbert, Sir William, 156
 Hermitage, St. Petersburg, 204
 Hibis temple, Egypt, 44
 Hilton, James, 138–42, 145, 147–48, 151, 154
 Hirschfeld, Al, 4, 8
 Hmong, 3
 Hokusai, 8
 Holy Land, 86, 101, 119
 Hosios Loukas, Greece, 85–87, 91
 Houston, Stephen, 33, 120, 125
 huacas, 236, 244
 construction of, 237, 241–42
 chamber-and-fill technique, 242
 horizontally integrated, 242–43, *See also*
 Shimada Izumi, Sponsor Model
 vertically integrated, 237, 242, 253, *See also*
 Moseley, Michael, Labor Tax Model
 work groups, 237, 242
 definition of, 236
 Huacas of Batán Grande, 241–43
 Huaca Las Ventanas, 242
 Huaca Rodillona, 242
 Huacas of Moche, 234, 236–37, 242–43, 245,
 251–52
 Huaca de la Luna, 236–37, 249–52
 Huaca del Sol, 236–37
 Humanism, 106, 114, 120
 humanists, 114
 Humboldt, Wilhelm von, 41
 Hungary, 141
 Huysburg monastery, Germany, 126, 141
- Ibn ‘Arabi, 94
 Ibn Wahshiyya, 82
 Ichnology, 3
 icon, 188
 iconography, 77, 88, 263, 266, *See also* Christianity,
 symbolism in
 identity, 160, 175, 231
 familial, 214–15
 group, 45, 214–15
 individual, 14, 56, 180, 197, 215
 religious, 213
 social, 214–15, 224
 imitation of nature, 176, 212, 269
 Inca, 12, 239, 243–46
 India, 131, 133
ingenium, *See* artists, genius of
 Inka, *See* Inca
 Iran, 58, 91–92
 Islam, 80, 82, 87, 91–92, 135, 231
 art of, 39, 80, 83–85, 87–88, 125
 in Europe, 101
 metalwork, 92–95
 scholars of, 83
 textiles, 84–85
 tiles, 88–91
 coinage, 97, 99
 Emirate of Crete, 83, 86
 expansion of, 83
 Fatimid dynasty, 84
 Qur’an, 81, 94
 phrases of, 85, 95
 Sufism, 92–95
 science of letters, 94
 Sunni, 97
 Sunni Revival, 97
 writing in, 84, 87
 Italy, 119, 140–41, 149, 151, 175, 177–78
- Japan, 3–5, 214–15, 215, 225
 art of, 5
 chronology of, 215

- ancient, 215
 early modern, 214
 Heian Period, 4
 Kamakura Period, 5
 medieval, 215
 court nobility, 215–16, 218
gunki monogatari (war tales), 217, 221
 Genpei jōsui ki, 218
 Heike monogatari, 217, 219–21
 Kakuichi manuscript, 218
 Taiheiki, 217, 219–21, 224
kaō, 226–29
 definition of, 226
kassen emaki (picture scrolls), 221
 Heiji monogatari ekotoba, 221–22, 224
 Mongol scrolls, 221–22
 kinship, 227
 corporate nature of, 214, 225–26, 229–31
 genealogy, 225–26, 229–30
 ie (house), 224–25
 iemoto system, 226
 shogunate, 214, 220, 224, 228–30
 warfare in, 216–17. *See also* Mongols, invasion of
 Japan
 Genpei War, 216–18
 warrior class, 214–16, 220–21, 225–26, 232
 ascendancy of, 217, 220
 writing in, 5, 8
 ashide (reed writing), 4
 hiragana, 8
 logographic character of, 220
 on scrolls, 5
- Java, 131–32
 Jin, 28
 oaths of loyalty, 26–28
 pit deposits, 26, 28
 record keeping, 28
 sacrifice, 28
 writing, 26–28
 on tablets, 26
- Judaism, 134
 kabbalah, 134
 Julius Victor, 210
- Kapnikarea church, Athens, 85
 Karnak, Egypt, 42, 58
khipu, 12
Klarschrift, 8, 42
 Klotz, David, 56
 Konya, Turkey, 93
 Kubadabad palace, Turkey, 87–88, 90–91, 94, 99
 Kufesque. *See* pseudoscript, pseudo-Kufic
 Kyoto, Japan, 224
- La Corona, Guatemala, 72, 74
 Lambayeque. *See* Sicán
 language, 1, 12, 159
 cryptic, 210
 divine, 109
 playful, 126–27, 130, 153, 155
 universal, 14
- Lanteires, Jean, 154
 Latin, 101, 124, 142, 144, 148, 154, 183
 graffiti, 175
 medieval, 209
 numeral verse, 148–51
 Roman numeral verse, 148–51
 Le Murate (convent), Rome, 111
 leetspeak, 129
 Leiden University, 162
 Lippi, Filippo, 100, 102–20, 124–25
 Adoration in the Wilderness, 106–8, 117, 119
 Annalena Adoration, 109
 Barberini Annunciation, 100, 114–19
 Coronation of the Virgin, 111, 113, 117
 Le Murate Annunciation, 114, 116
 Madonna and Child with Sts. Francis, Damian, Cosmas, and Anthony of Padua, 125
 Maringhi Coronation. *See* *Coronation of the Virgin*
 Medici Adoration. *See* *Adoration in the Wilderness*
 Tarquinta Madonna, 102–6, 114, 123–24
- literacy, 12, 66, 72, 130, 134, 138–39, 163, 171, 187, 197, 209, 252, 260
 as spectrum, 169–70
 biases of, 159–60
 rates of, 163, 174
 visual. *See* graphicacy
- logos, 160
 Low Countries, 140, 144, 149–51
 Luxor temple, Egypt, 42–44
- Mackey, Carol, 244–46
 Madagascar, 13
 magic, 39, 95–98, 182–84, 202–3
 charakteres, 182–84, 203, 212
 talismanic, 98, 178
 vores magicæ, 203, 210
- makers' marks, 175–77, 233–35, 255. *See also* stamps
 distribution of, 235, 237, 249–52
 of work groups, 235, 237, 252
 on adobe bricks, 234, 236–37, 242–43, 245–46
 function of, 249–52
 motifs, 237
 on amphorae, 182
 on stone, 234
 on tiles, 175–77
- Malayalam, 133
 Mantegna, Andrea, 101
 Minerva Expelling the Vices from the Garden of Virtue, 101, 125
- manuscripts, 110, 114, 133–34, 136, 199
 Arabic, 81
 Book of Kells, 4
 Bruce Codex, 203, 206
Calendar of 206–9
 Dresden Codex, 69

- manuscripts (cont.)
 Italian, 120
 Kennicott Bible, 134
 Manzikert (battle), 97
 marking systems, 2, 12–13, 159–60, 164–67, 174, 182, 196–98
 identity marks, 160–61
 as inheritable, 164, 168–69
 classification of, 164–66
 contents of, 162, 169–70
 dating of, 161, 169–70
 names in, 168–69
 on ceramics, 162–64
 on ostraca, 162–64, 167, 169–70
 on textiles, 162
 origins of, 167, 171
 phonetic value of, 164, 168
 identity tags, *See* makers' marks
 marking ownership, 13, 162–63, 181
 masons' marks, 12–13, 171, 235
 relation to writing, 160–61, 174, 197
 tally marks, 10, 136, 173–74
- Martin, Simon, 57
 Massareel, Frans, 14
 Maya, 63, 67, 79
 altars, 61, 66, 68–69, 71
 books, 62
 chronology of, 63, 73
 Classic, 64, 66
 Colonial, 64, 77
 dates, 64–65, 68, 71, 77
 Late Classic, 61, 73
 Classic Ch'olti'an, 61–62, 68–69, 71, 74, 77
 competition between cities, 63
 deities, 66, 69–71, 74–75
 God of Censing, 61
 God of Maize, 75
 Moon Goddess, 62
 Storm God, 61
 gender norms, 64
 gestures, 64–66
 hierarchies among, 64–65
 kings, *See* rulers
 Lowlands, 54, 64
 rulers, 56, 62–64, 66–67, 70
 Tzotzil of Mexico, 64
 writing, 55–57, 71–73, 75–76
 as mark of possession, 56
 chronology of, 73–74
 day signs, 70
 face type, *See* full-figure
 foreign elements in, 66, 72–73, 76–79
 full-figure, 57, 61–67, 70–71, 73–75, 79
 glyph blocks, 55, 63, 65
 head variants, 75
 month signs, 74
 noisy, 72
 painted, 62, 79
 pictorial character of, 57, 79
 spelling, 71, 77
 syntactical function of, 69–71
- Mediterranean, 5, 83, 101, 130, 133, 135–36, 140, 173–74, 176, 182, 196, 203, 206, 212–13
 Melikian-Chirvani, Asadullah Souren, 92–95
 memorization, 131, 256–63, 267, 274–75, 282
 Menkaure, 234
 merography, 56
 Mesoamerica, 75–76
 calendar of, 76
 Epiclassic, 76
 Postclassic, 76
 Rain God, 76
 sacrifice, 76
 writing, 75–76
 day signs, 75–76
 full-figured, 75–76
- Mesopotamia, 97, 173
 Michaux, Henri, 125
 Middle East, 130, 150, 154–55
 Miles, George, 84
 Moche (civilization), 236–37, 241–44, 251–52
 chronology of, 242, 244
 organization of labor, 238, 242–43, 251–55, *See also* huacas, construction of
- mon*, 15, 214–15
 adoption by non-elites, 214, 226
 as decoration, 215, 218–19
 as markers of kinship, 214–20, 224–26, 231
 genealogical function, 226
 inheritance of, 215
 catalogues of, 226
 evolution of, 215
 imperial, 230–31
 in warfare, 219–20, 222–23
 motifs, 215
 textual elements in, 219–20
- Mongols, 87, 91
 Ilkhanid dynasty, 91, 93
 sultan Uljaytu, 91
 invasion of Japan, 217, 222
- monograms, 15, 199, *See also* *kaō*
 acclamatory, 202, 206, 209–10
 apotropaic function of, 206
 as marks of authority, 210
 Christian, 200–1, 203, 206
 cruciform, 204–6, 209
 evolution of, 199
 Greek, 199–200, 202, 206
 inscribed, 199
 intercessory function of, 203–4
 Latin, 200–2, 209
 monumental, 210–12
 names in, 200–3, 210
 on belts, 204, 206
 on coins, 199, 210
 on epitaphs, 200

- on glass, 199
- on lamps, 206
- on pendants, 206
- on pottery, 199
- on rings, 204, 210
- on seals, 201, 204
- on textiles, 206
- personal, 200–2, 210
 - use of letters, 199, 201, 213
- Monte Testaccio, Rome, 181–82, 184, 198
- Morales, Ricardo, 249
- Moseley, Michael, 235–37
 - Labor Tax Model, 237
- Myanmar (Burma), 133

- Nagel, Alexander, 101
- Naj Tunich, Guatemala, 39, 70, 74
- Near East, 173, 242
- Neith, 48
- Neolithic, 10
- Neoplatonism, 209
- Neurath, Otto, 14
 - Isotype, 14
- Niger, Roger, 150
- North Africa, 84, 178
- Nubia, 206
- numbers, 128, 133, 136
 - homophonic use of, 128–29
 - notation of, 128–30
 - Arabic, 133–35, 151, 154–55
 - Greek, 133–34, 148, 151
 - Hebrew, 151, 154
 - Hieratic, 169
 - katapyádi*, 132–33
 - Maya, 67–69, 74–75
 - Roman, 102, 104, 130, 134–37, 142, 144, 148, 154–55. *See also* Latin, numeral verse; Latin, Roman numeral verse
 - transmission of, 151
 - numerology, 128, 130
 - gematria*, 134, 155
 - hisab al-jummal*, 134–35
 - isopsephia*, 134
 - used as letters, 129
- numeracy, 130, 135, 138, 155
- Nur al-Din Mahmud ibn Zangi, 97
 - coinage of, 97–98

- Oaxaca, Mexico, 76–77
- Old Balinese, 132
- Old Javanese, 131
- Old Khmer, 131
- onomastics, 202
- Oscan, 175–76

- Pacariqtambo, Peru, 237–41, 252
- Pachamama, 275
- Padcoyo, Bolivia, 258, 282–83

- pagans, 200–1, 213
- Palazzo Barberini, Rome, 100, 102
- Palazzo Medici, Florence, 106
- Palenque, Mexico, 63, 70–71
- paleography, 114, 120
- Paleolithic, 10–11, 160, 173, 197
- paragrams, 136
- Peace of Westphalia, 126, 138
- Peirce, Charles Sanders, 175, 188
- Peru, 233, 235, 239, 242
 - chronology of, 243
 - Early Intermediate period, 244
 - Late Horizon, 243
 - Late Intermediate period, 243
 - Late Moche period, 242
 - Spanish administration of, 237, 252–53
 - colonial census, 253–54
- Petrarch, 114
- Petrucchi, Armando, 3
- Phylae, Egypt, 45
- Piedras Negras, Guatemala, 63
- Pietrabbondante, Italy, 175–77, 190, 197
- Pihan, Antoine, 135
- Pisanello, 117–19
 - Virgin with Saints Anthony and George*, 117, 125
- Pisano. *See* Pisanello
- Pitt Rivers Museum, Oxford, 10
- planta pedis*. *See* stamps, footprint
- Potosí, Bolivia, 256, 278
- printing press, 139
- pseudo-Dionysius, 209
- pseudoscript, 8, 100–2, 170
 - as ornament, 80, 100–15
 - divine associations of, 109, 111, 124
 - foreign associations of, 95–97, 101, 120, 124
 - imitating Greek, 111
 - imitating Hebrew, 109
 - intelligibility of, 80, 86–87, 95–97, 109, 114, 120
 - orientation of, 114
 - pseudo-Arabic. *See* pseudo-Kufic
 - pseudo-Kufic, 82, 86–87, 89, 92, 124
 - in brick, 85–86
 - on textiles, 85
 - semantic content of, 100–1, 115
- Püchler, Johann Michael (the Younger), 6
- Pugin, Augustus, 10

- Qantir Tell el-Dab'a, Egypt, 58
- Qin Shihuang, 235
- Quechua, 238–39, 257, 259, 262, 264–67, 270–73, 280, 282–84
- Quirigua, Guatemala, 63, 70–71

- Ramses II, 42, 58
- Ramses III, 170, 254–55
- readers, 1–2, 6, 8, 23, 30, 33, 43, 61, 71, 127, 130, 148, 155, 222
 - active, 42, 46–47, 52, 67, 148

- readers (cont.)
 expectations of, 31, 35
 knowledgeable, 56, 75, 79, 175
- reading, 3, 47–48, 61, 72, 174, 187, 277–78
 aids to, 26
 as urge, 33, 160
 delayed, 31, 47, 50–53, 57, 63
 slow, 1
 strategies of, 35–39, 51–52, 66, 188, 220, 262–63
- rebus, 15, 46–48, 187, 259, 268, 278–79
 definition of, 259
- Renaissance painting, 101–2, 119
cartellini, 102–6
 definition of, 102
 donors, 115, 117, 119–20, 123–24
 representation of text, 112
 use of perspective, 106, 115
- rezos*, 15, 257–61
 as offerings, 276
 creation of, 256–58, 280–81
 as communal, 280
 definition of, 256
 destruction of, 281–82
 figurines, 258, 263, 266, 277, 279–81
 “day,” 273
 “dead,” 272
 “earth,” 273
 “living,” 272
 “marriage,” 267
 “sin,” 264, 272
 “sky,” 273
 “year,” 273
 Christ, 270
 contested meanings of, 267
 dog, 258
 Easter, 274
 flowers, 258
 God, 271, 283
 Holy Ghost, 264
 Lent, 271
 saints, 268
 Ten Commandments, 267
 verbs, 264, 266–67, 271
 Virgin Mary, 258, 263
- materiality of, 261, 263, 266, 279, 281–82
- physical components of, 270–73, 284
 clay, 275–76
 semantic value of, 273–75
 wool, 271–73
- relation to speech, 259–63, 267
 metonymy, 263–66
 puns, 267
 rebus, 259, 268–69, 278–79
- relation to writing, 259–63, 279
- scale of, 260
- spatiality of, 260
- Rhode Island School of Design Museum of Art, 204
- riddles, *See* language, playful
- ritual space, 212
- rock art, 10, 160, 172, 197
- Roman alphabet, 114, 262, 283
 capitals, 101–4, 106, 110–11, 120
 gothic rotunda, 102, 104, 110
 letters, 114, 116–17, 120, 124
- Roman Empire, 83, 174, 178, 196, 201
 art of, 177
 seals, 178, 200
 conquest of Italy, 175
 conquest of Mediterranean, 174
 economy of, 174, 182, 184, 189
 pottery, 178, 196
amphorae, 174, 181–82, 184, 197–98
terra sigillata, 178–81
- Rome (city), 4, 181, 184, 188, 192, 194, 196
 Aurelian Wall, 192
 brick industry of, 184
 catacombs of, 200–1, 203, 213
 oil trade of, 181–82
 population of, 184
- royal titlature, 42, 83
- Rumi, Jalal al-Din, 93
- Samnites, 175
- San Bartolo, Guatemala, 73
- San Clemente (church), Rome, 210
- San Lucas, Bolivia, 258–60, 270, 275, 282–83
- San Vitale (church), Ravenna, 210
- Sanskrit, 131–32
- Saussure, Ferdinand de, 2–3
- Savage-Smith, Emilie, 95–97
- Schulz, Vera-Simone, 101
- scribes, 10, 28, 31, 40, 54, 62, 73, 81, 99, 114, 128,
 168–70, 172
- sculptors, 47, 54, 62–63
- Seler, Eduard, 64
- Seljuks of Rum, 87, 93
- semasiography, 11, 57, 128, 169, 171, 200, 213, 215,
 220
 classification of, 57
 definition of, 11
- sensoriality, 260, 266, 274–75, 280, 282
- Shadgurucishya, 133
- Shakers, 3
- Shang, 20, 24
 altars, 22–23
 ancestor worship, 20–26
 chariots, 22
 divination, 20–22, 39
 diviners, 20, 23
 human sacrifice, 21–23
 pit deposits, 19–20, 22–23
 writing, 39
 buried, 20, 23
 on bronze vessels, 23–26
 on oracle bones, 19–23
 seal script, 61

- Shimada Izumi, 234, 242–44, 252
 Sponsor Model, 243, *See also* Cavallaro, Raffael
 Shintō, 2
 Sicán, 241–43, 245, 252
 sign types, 174–75, 177, *See also* Peirce, Charles
 icon, 12, 37, 42, 44, 46, 56, 160, 164–65, 169, 174,
 177, 179, 197, 216, 279
 index, 53, 174, 179, 181, 188, 197
 symbol, 106, 131–32, 175, 177–78, 180–81, 188,
 197, 212, 215, 234, 266, *See also* Christianity,
 symbolism in
 slaves, 175–77, 188–92, 283
 Slavic languages, 139, 142
 slow food movement, 2
 Sōjō Henjō, 6
 Southeast Asia, 130–32, 154
 Spain, 140–41, 151, 181, 206
 Spanish, 238, 256, 263, 267, 270, 275, 283
 loanwords, 284
 speaking signs, 172, 187–89, *See also* brickstamps,
signa
 Spinden, Herbert, 57
 St. Michael's Abbey, Antwerp, 149
 St. Paul's Cathedral, London, 150
 St. Quentin, France, 149
 stamps, 174, 196, 198, *See also* brickstamps
 footprints as, 175–81
 on amphorae, 181–82
 on tableware, 178–79
 on tiles, 175–77, 194–96
 names in, 194
 textual elements in, 178, 196
 stelae, 47–48, 56, 61, 64–65, 70, 74–75, 77
 Stroop effect, 57
 Sultaniyya, Iran, 91
 Suriname, 3
 Symmachus, Quintus Aurelius, 201
 Syria, 83–84, 95, 97–98

 Takezaki Suenaga, 222–24
 Tanis, Egypt, 58
 tattoos, 4, 206
 Teotihuacan, Mexico, 66, 77
 glyptic style of, 66, 72, 77
 Terracotta Army, 235
 Thirty Years War, 126
 Thomas Aquinas, 284
 Tikal, Guatemala, 74, 77
 Marcador monument, 77
 time, 106, 124, 239, 260
 recording of, 22, 25, 170, 226, *See also*
 chronograms; Mesoamerica, calendar of
 Tindari, Sicily, 194
 Tirahoyu, Bolivia, 267, 282
 tombs, 23, 29, 31–32, 34, 46, 48, *See also* Egypt,
 royal necropolis at Thebes
 of Khnumhotep II, 67
 of Padikakem, 44

 Tower of Babel, 13
 translation, 82, 109, 144, 150, 203, 259–64, 283
 translators, 124, 151
 Trujillo, Peru, 237
 Tura, Cosmè, 114–15
 Turkey, 39, 87–88, 93
 Turkish writing reform, 135
 Tutankhamun, 49–50
 Twombly, Cy, 8, 125

 Uceda, Santiago, 236, 249
 Umbria, Italy, 184
 University of Virginia Japanese Text Initiative
 database, 231
 Urton, Gary, 238–41, 253
 utopias, 14

 van Eyck, Jan, 143–44
Portrait of Jan de Leeuw, 143–44
 viewers, 1, 23, 25–26, 42, 48, 51, 67, 72, 77, 102,
 106, 115, 117, 177, 206–8, 212, 222
 competency of, 39, 42, 127, 174, 180, 220
 expectations of, 35, 104, 115, 123
 non-human, 20, 23, 25–26, 184, 203
 Vitruvius, 177
 Voogt, Alexander de, 127–28

 Wade Cup, 58, 63
 Walker, Alicia, 85–87
 wampum, 12
 Ward, Lynd, 14
wasm marks, 13
 Welsh, 142
 Wilkins, John, 14
 writing, 1–3, 41–42, 55–56, 127–28, 159, 259–63
 alphabetic, 2, 130, 182, 259, 277
 alphasyllabic, 130, 132, 155
 apotropaic function of, 84–85, 87, 182, 184, 196
 archaizing, 120
 as mark of possession, 23
 as ornament, 2, 39, 58, 80–84, 92, 102
 as puzzle, 37–39, 42, 44–46, 50–52, 104
 as sign, 85, 87, 91, 111
 as speech act, 92, 94
 asemic, 8, 125
 cuneiform, 173, 269
 definition of, 159
 efficiency of, 2
 evolutionary idea of, 2, 10–11
 hidden, 1, 3–10, 19, 24, 28, 39, 47, 52, 55, 201,
 213
 hypergraphs, 3, 8
 logographic, 1–2, 41–48, 51, 220, 259
 micrography, 6
 origins of, 173–74, 269
 pictographic, 1–2, 220, 259–63
 playful, 8, 58, 79, 128
 redundancy in, 47, 51

320 INDEX

- writing (cont.)
 relation to images, 35–37, 57, 88, 94, 256
 relation to language, 1–2, 41
 slow, 1–2, 8, 55, 71
 talismanic, 2, 8, 16, 95–99
- Xi'an, China, 235
Xianyang, China, 235
- Xu Bing, 8, 12, 125
- Yavanajātaka*, 131
Yaxchilan, Mexico, 63, 66–68, 71
Yinxu, *See* Anyang
- Zoller, Joseph, 145