

Index

- acousmatic voice, the, 266, 295, 314
 Adams, John, 334, 335, 337–342
 advertising, 104
 Aeschylus, 251–253, 268
 Algee-Hewitt, Mark, 365, 388
 alphabet, the, 23, 24, 142
 ASCII (American Standard Code for Information Interchange). *See* text encoding
 astrolabe, the, 203, 208, 213
 atomic bomb, the. *See also* nuclear criticism and Manhattan Project
 public discourses on, 329, 330
 Auden, W. H., 277, 280, 409
 Austin, Alfred, 273, 276
 automata. *See* clocks
 automobile. *See* motor cars
- bamboo, 45, 52, 53
 Barthes, Roland, 34, 271
 Baudot code. *See* text encoding
 Behn, Aphra, 221, 233–235
 Bell, Alexander Graham, 307, 308
 Benjamin, Walter, 7, 269
 Berger, John, 273, 275
 Bhagavad Gita, the, 341, 357
 book. *See* codex
 book clubs, 130, 131
 Bringhurst, Robert, 17, 35, 37, 38, 41–43
 Buck, Pearl S., 132, 133
 Bush, Vannevar, 151, 397, 410
 Butler, Samuel, 241
- cameras. *See* film and photography
 Carlyle, Thomas, 4, 7, 239–241
 Carroll, Lewis, 270, 281
 Cavendish, Margaret, 212, 221, 232, 235
 celebrity, 126–129, 301
 censorship, 81, 138
 Cerf, Bennett, 126–129, 136–139
 Cervantes, Miguel de, 17–19
 charts. *See* data visualization and maps
- Chaucer, Geoffrey, 178, 188, 192–195, 203, 213
 Christie, Alex, 390–393
 cinema. *See* film
 Clark, Tiana, 285
 clocks
 arrival of mechanical clocks in England, 181
 and medieval *automata*, 115, 121, 177, 185, 186, 193, 195–197
 and monasteries. *See* monasteries
 prestige of possession in early modern courts, 191
 and relationship of “church time” with “merchant time”, 178, 182, 183
 relationship to bells, 180–182, 184
 the Strasbourg clock, 180, 196, 197
 Coach House Books, 402, 403
 codex, the, 54, 61, 93, 156, 398, 399, 403, 406, 409, 415
 communication and social change, theories of, 30, 87, 88
 compasses
 etymology of, 207, 208
 magnetic, 210–212
 pairs of, 199–202, 204–207
 Conrad, Joseph, 312, 316, 318, 323
 A Personal Record, 313
 Heart of Darkness, 288, 289, 313–315, 318
 Lord Jim, 312, 316
 Youth, a Narrative, and Two Other Stories, 314
 copyright law. *See* intellectual property law
- data visualization, 367
 epistemologies of, 379, 381
 and interpretation, 386, 388–392
 line charts, 386–390, 395
 Derrida, Jacques, 150, 325, 327, 329
 Dickens, Charles, 102, 166, 245, 247, 273, 293, 302
 A Christmas Carol (1912 phonograph recording), 293
 Dombey and Son, 246
 Hard Times, 243, 244

418

Index

- Dickens, Charles (cont.)
Mugby Junction, 246, 247
Our Mutual Friend, 276, 277
 stock characters in novels of, 277
- Difference and Analytical Engines (Babbage and Lovelace), 240, 249
- digital, definition of, 141, 144
- digital humanities, 141, 326, 361, 375, 377, 378, 383, 385, 389, 392, 412
- digitization, 46, 48, 68, 142, 143, 363, 368, 408
- distant reading. *See also* machine learning, topic modeling,
 and the canon, 367
 definition, 362, 363
vs. close reading, 362
- Donne, John, 204, 207, 217, 218, 221, 235
 “A Valediction: Forbidding Mourning”, 204–206
An Anatomy of a World, 337
 Holy Sonnet 14 “Batter my heart, three-person’d God”, 336–338, 341
Ignatius his Conclave, 220
- Drucker, Johanna, 379, 384
- e-books and e-readers, 141, 142, 408
 formats, 156–158
 origins of e-readers, 156
 skeuomorphism, 399
vs. electronic literature (e-lit), 403
vs. printed books, 399–401, 415
- Edison, Thomas, 260, 286, 289, 292, 294, 297, 299
- Eisenstein, Elizabeth, 5, 7, 71, 72, 90, 92, 93
- electronic literature (e-lit), 401, 403–405, 407, 408, 415
- Eliot, George, 245, 273, 276
- empire
 and global communication, 257
 and navigational technology, 202, 203
 and orality and writing, 31, 33
 and the spread of printing, 84
 and steam power, 244
- Empson, William, 270–272, 274, 278
- engraving, 98, 201
- Epstein, Jean, 271
- Eusebian Apparatus, 54
- Faulkner, William, 127, 137, 139, 164, 167, 174–176, 264
 “The Leg”, 163, 167–169, 171
- film, 271, 278, 280, 351, 353
 impact of film industry on book marketing, 127–129
 invention of, 279
 and the telephone, 263
- Foucault, Michel, 92, 109, 114, 118
The Archaeology of Knowledge, 110, 347
- Discipline and Punish*, 121
The History of Sexuality, 31
 “Language to Infinity”, 25, 38
 “Truth and Power”, 120
- Froissart, Jean, 178, 187, 188, 191, 192
- Gabler, Hans Walter, 408, 412
- Galilei, Galileo, 216–223, 225–228, 230–233
- Gaskell, Elizabeth, 243, 245
- Ghandl, 41
- Gibson, William
Agrippa, 151
The Difference Engine (with Bruce Sterling), 249, 250
Pattern Recognition, 347, 349–353
- Giesecking, Jack, 393, 394
- Gissing, George, 102
- Godwin, Francis, 221, 223–226, 235
- Goldstone, Andrew, 369, 370, 386, 388–390
- GPS (global positioning system). *See* maps
- gramophone. *See* phonographs
- Graves, Robert, 277, 278
- Greenlaw, Lavinia, 283, 284
- Gutenberg, Johannes, 27, 75, 94, 405
- hand, human, as technology, 48, 71, 79
- handwriting, 48, 56, 57, 60
- Hardy, Thomas, 114, 278, 279
- Havelock, Eric, 22, 26–33
- Hawthorne, Nathaniel, 248, 254, 255
- Hayles, N. Katherine, 352, 401, 413
- Helmoltz, Hermann von, 306
- Hemings, James, 379, 381
- hieroglyphs, 23, 24
- HyperCard (software). *See* hypertext
- hypertext, 141, 142, 151, 154, 354, 356, 397, 398, 408, 413
 Apple HyperCard (software), 397
 Storyspace (software), 356, 397
 Twine (software platform), 151, 354, 356, 409
- Indigenous literatures, 32, 35, 37, 39, 43, 44, 409
- Innis, Harold, 22, 29, 30
- Instapoetry, 404
- intellectual property law, 84, 157, 414
- James, Henry, 114, 166, 274–276, 278
- Jameson, Fredric, 351
- Jefferson, Thomas, 379, 381
- Jockers, Matthew, 364, 370–374, 376, 388
- Johns, Adrian, 5, 72, 86
- Joyce, Michael, 151, 397, 398
- Kipling, Rudyard, 263, 309, 310
- Kittler, Friedrich, 5, 107–109, 115, 118, 123, 289

- Klein, Lauren, 370, 379–381
 Korot, Beryl, 333
- Lévi-Strauss, Claude, 25, 31, 33, 34
 libraries
 catalogs, 364
 digital, 154, 156, 157, 361, 410
 lending, 83
 and serendipity, 393
 Licensing Act of 1662, 81
 linked data, 413
 lithography, 92, 98, 99
 Liveright, Horace, 126, 127, 129
 Long, Hoyt, 373
 Lord, Albert, 31
 Lovecraft, H. P., 265–267
- machine learning, 372–374
 magnetic resonance imaging (MRI), 303
 Manhattan Project, the, 332, 334–336, 338, 339, 343
 maps, 203, 204, 208
 and compasses, 200
 in contemporary art, 214, 215
 digital, 215, 377, 382, 388, 392–395
 Europe's Cartographic Revolution, 201–203
 GPS (global positioning system), 214, 215
 Martineau, Harriet, 244, 245
 Marx, Karl, 4, 134
 Marx, Leo, 3, 6, 247
 McLuhan, Marshall, 4–7, 22, 29, 30, 33, 72, 88–90, 107
 The Gutenberg Galaxy, 17, 31, 88–90
 Understanding Media, 4, 73, 88, 108, 266
 Mézières, Philippe de, 178, 187, 190
 middlebrow, 126, 130, 131, 133
 Milton, John, 200, 207, 208, 235, 239
 Areopagitica, 225, 226
 “Of Education”, 203, 204
 Paradise Lost, 199, 201, 204, 206, 207, 210, 221, 226–231, 332
 miscellanies, 53, 54
 monasteries
 and manuscript culture, 45, 59–61, 64, 66
 and timekeeping, 182, 183, 186
 Moretti, Franco, 361–363, 367, 388
 Morse code. *See* text encoding
 motor car, the, 249
 Moxon, Joseph, 69–72, 74–82, 86, 87, 90, 91
- Nabokov, Vladimir, 282
 narrative
 and disability, 164, 165, 168, 171, 173
 as technology, 38, 42
 networks
 computer networks, 346
 definition, 346
 vs. hierarchies, 344
 and literary form, 347
 and narrative *vs.* database logic, 348
 and politics, 348
 topological *vs.* topographical, 345, 346
 newspapers. *See* periodicals
 nuclear criticism, 325–331, 333, 334
- O'Connor, Flannery, 163, 169–171, 174, 175
 Ong, Walter, 6, 20, 22, 26, 27, 29–33, 35, 37, 72, 88
 Oolipo (tech startup), 406
 opera, 333–335, 338–343
 Oppenheimer, Kitty, 336, 337
 Oppenheimer, Robert, 332, 334–338, 341, 343
 Osbourne, Lloyd, 258, 259
- page, the
 layout of, 58, 59, 65–67, 121
 and oral *vs.* written poetry, 41
 printed *vs.* digital, 399, 401
 paper, 24, 30, 97, 98
 paperbacks, 101, 126, 127, 134–139
 papyrus, 30, 45, 50, 51, 58, 263
 parchment, 30, 50, 67
 Parry, Milman, 22, 31, 32
 periodicals, 82, 93, 95–97, 101, 136, 369
 phonographs
 acoustic recording, 291, 295, 296
 and acousmatic voice. *See* acousmatic voice
 distinctive formal features of audiotexts, 299, 300
 electrical recording, 292
 and elocution, 288
 etymology, 287
 invention of, 286, 306, 307
 as medium, 287
 and performance, 293–295
 production process, 296–298
 and realism. *See* realism
 recordings of Bible recitations, 1890–1900, 300, 301
 technology and media formats, 290, 291
 wax cylinders. *See* wax
- photography
 etymology, 271, 273
 Kodak Brownie, 278
 origins of, 269, 276
 and portraiture, 276
 and print reproduction, 99
 and realism. *See* realism
 symbolism, illusion, and the occult, 272, 275, 281
 Piper, Andrew, 99, 365, 366, 372

420

Pizan, Christine de, 178, 187, 190–192
 Plato, 20, 22, 26, 28, 29, 31, 255, 397
 Poe, Edgar Allan, 267
 Pope, Alexander, 89
 Porpentine Charity Heartscape, 347,
 354–356
 preservation, digital, 150, 153, 405–407, 412
 printing presses
 and capitalism, 93
 and consciousness, 88, 100, 102
 cylindrical press, 94, 95
 and democracy, 105, 106
 and gender. *See* women
 vs. the handmade, 105
 vs. manuscript, 46
 origins of, 74, 75, 79
 printing houses, 80, 81, 83
 proliferation of printed texts, 81
 spread of, 84–86
 prizes, literary, 131–133
 Project Gutenberg, 153, 155, 411
 Propp, Vladimir, 31, 33, 34, 44
 prosody, 41, 288
 prostheses
 artificial limbs, 163, 165, 167–169
 as metaphors, 172
 Proust, Marcel, 264, 308
 punctuation marks, 59

 Queer New York project, the, 393–394

 radio
 broadcasting, 310, 319, 320
 impact of radio on book marketing, 128, 129
 and propaganda, 319
 and the self, 322
 and the supernatural, 310
 waves, 303, 309, 320, 321
 realism
 and disability studies, 172
 and phonographs, 286, 290
 and photography, 99, 271–274, 277
 and steam engines, 247
 and vibration, 323
 Reich, Steve, 333
 remix culture, 152
 Rhody, Lisa M., 371
 Rowling, J. K., 402
 Rukeyser, Muriel, 336, 337
 Ruskin, John, 105, 272, 276

 Sartre, Jean-Paul, 282
 scribes, 55, 60–63, 88
scriptio continua. *See* words
 scrolls. *See* papyrus

Index

Sellars, Peter, 334, 335, 337–343
 Shakespeare, William, 208, 263
 Coriolanus, 210, 211
 Hamlet, 208
 Henry IV, Part I, 208
 Henry VI, Part I, 208
 Henry VI, Part III, 209
 Orbello, 222
 Romeo and Juliet, 44
 The Tempest, 209
 Titus Andronicus, 208
 Skaay, 22, 41, 43
 skeuomorphic. *See* e-books and e-readers
 So, Richard Jean, 373
 Spenser, Edmund, 207, 211
 steam engines
 applications of, 237
 and consciousness, 239–241
 and labor, 242–244
 and literary form, 242
 mechanism of, 237
 and mechanization of the mind, 240
 origins of, 236
 and printing, 94–96
 and realism. *See* realism
 and Romanticism, 238, 239
 steampunk, 250
 and transport (rail and sea), 245–248
 Stein, Gertrude, 128, 130, 329, 378
 Stevenson, Robert Louis, 258, 259
 Stiegler, Bernard, 4, 73, 283
 Stoker, Bram, 254, 289
 Storyspace (software). *See* hypertext

 Tanigawa, Katie, 390–392
 technology
 definition, 1, 21, 69, 114
 vs. science, 2, 3, 8
 technological determinism, 5, 72, 89, 90, 93
 telegraphs
 as digital, 144, 145
 electric, 251, 254
 and empire. *See* empire
 and nationalism, 256
 wireless, 131, 257, 309, 311
 telephones
 and acousmatic voice. *See* acousmatic voice
 and disembodiment, 317, 319
 as emblems of modernity, 262, 304
 and gender, 260
 invention of, 307, 308
 vs. other networked technologies, 264
 representations in literature, 258, 260,
 262, 265
 and the supernatural, 259, 266, 310, 311

- telescopes
 as disruptive technology, 216–218
 and interpretation, 232–235
 and objective observation, 220–223
 origins of, 216
- television, 3, 5, 139
- text encoding
 ASCII (American Standard Code for Information Interchange), 143–150, 153, 154, 158
 Baudot code, 144–146, 148
 Morse code, 143–145, 310
 Text Encoding Initiative (TEI), 412
 XML (Extensible Markup Language), 375, 412, 415
- Text Encoding Initiative (TEI). *See* text encoding
- Thoreau, Henry David, 247
- topic modeling, 368–372, 376, 384–386, 389, 390
- Tukey, John, 367, 383
- Twain, Mark, 258, 260
- Twine (software platform). *See* hypertext
- type
 cost of, 75
 linotype, 96
 and machine technology, 96
 metal, 72
 monospaced, 121
 typesetting, 76, 78
 upper and lower case, 76
- typewriters
 all-finger touch typing, 122
 as coherent objects *vs.* assemblages, 115
 and consciousness, 120
 and dictation, 113
 keyboard layout (QWERTY etc.), 109–111, 117, 118, 122, 124
 mechanical legibility of, 112
- ultrasound, 303
- Underwood, Ted, 362, 363, 369, 370, 374, 386, 388
- Uzanne, Octave, 125
- Verrall, Arthur Woolgar, 251, 252
 visualization. *See* data visualization
- Waugh, Evelyn, 262, 263
- wax
 cylinders (audio), 286, 298, 302
 tablets, 45, 49
- Web 2.0. *See* World Wide Web
- Wharton, Edith, 261
- Whorf, Benjamin Lee, 22, 31–33, 38
- Wilkens, Matthew, 367
- Williams, Raymond, 3, 5, 124
- women
 and early printing, 80, 81
 and manuscript culture, 61
- Woolf, Virginia, 130, 132, 264, 274, 323
 1928 Prix Femina Vie Heureuse (for *To the Lighthouse*), 131
Between the Acts, 320
Flush, 130
 Hogarth Press, 131
 “Kew Gardens,” 320
 radio talks, 319
The Voyage Out, 320
The Waves, 318–323
- words
scriptio continua, 58, 59
 separation by space, vertical stroke, raised dot, 58, 59
- Wordsworth, William, 238, 239
- World Wide Web, 148, 151
 Web 2.0, 375
- Worshipful Company of Stationers, the, 81
- Wotton, Sir Henry, 216–219
- writing
 and consciousness, 27, 28
 origins of, 23
- XML (Extensible Markup Language). *See* text encoding
- X-rays, 303, 304, 311, 313, 317
- Z-Axis project, the, 390–394