

Index

Adam and Eve, 405 ageing, theories of, 405-10. See also longevity; facts, definitions of, false facts aggression, 211-13, 224, 227, 228, 237, 439. See also alpha male; behavior AGRON-OMICS, 342, 343, 344, 347 Ali, Monica, 179 Allen, Hartwell, 149 Alliance for Rail Competition, 138 alpha male, alpha hero, 23. See Chapter 16. See also behavior; aggression; animalhuman boundary; narrative; ethology Altman, Irwin, 233 Amax Coal Industries, 140 animal-human boundary, 15, 19, 171-3, 199, 210, 213, 230, 441, 444. See also behavior; ethology; ecology; romance fiction; boundaries; sociology paranormal fiction, 445 Antiquaries of London, Society of, 420 April, Gorry, 446-50 Arabidopsis Information Resource, The (TAIR), 345 Arabidopsis thaliana, 326, 339, 340, 342, 343, 344, 345 archaeology, archaeologists, 15, 29 and history, 57-60. See also history; communities. See Chapters 3 and 11 architecture, architectural orders, 4, 16, 18, 19, 29. See Chapters 2 & 3 and crowding, 226, 235, 238-42 architectural elements, 21, 46, 50, 86-8, 100 - 2ARCO Coal, 140 Ardrey, Robert, 235 Arizona State University, 142, 152 artefacts. See material objects; facts, notions of Arundel, Lord (Thomas Howard), 30, 403 Astor Hotel (New York), 90

Athena and Hephaistos Temple (Athens), 84, 99
Athenian Acropolis, 73, 79
Athenian Theatre-monument of Thrasyllos, 89
Audubon Society, 3, 207
Auranen, K., 382, 383, 384, 392
Austen, Jane. See also fiction; alpha male
Austen, Jane, 9, 433. See also fiction: alpha male
authority, 4, 30, 185, 297, 413, 420, 423, 424
Aztalan, Mississippian site of, 309, 310

Bacon, Roger, 30, 406 Bacon, Sir Francis. See Chapter 15 Bailey, John Burn, 423 Baldi, Bernardino, 64 Ballantine Books, 444 Ballard, J.G., 181 Balling, Robert, 142, 155. See also climate change; global warming Banville, John, 176 Barbara (oral source), 363-9 Barnes, H., 129-33 Barnes, Michael, 432 Barr, Kenneth, 155. See also Cyprus Minerals Baum, Andrew, 225, 240 Bayles, John, 408, 413, 415 Bazerman, C., 361 Bazin, H., 121 Beach, Frank, 209, 217, 219 behavior, 32, 232-5, 245, 442, 446, 448. See also alpha male; aggression; animal-human boundary. See Chapter 7 Berger, John, 435 Billinge, Mary, 421 Billinge, William, 421 Binnig, G., 353



456 Index

biography, 173-6. See also traveling companions, package; scientists; fiction; popularizations biology, model organism biology, 230-1. See also cases; databases; epidemiology; experiments; scientists; longevity. See Chapter 12 bird silhouettes, 3, 207-8. See also "hawkgoose" model; images Bodleian Library, 407 Bonaparte, Napoleon, 415 books, 4, 21, 64, 68, 93, 102. See also traveling companions, vehicles; carpentry Boote, Kenneth, 150 Borlaug, Norman, 233 Botts, Amber, 440, 441 Boumans, Marcel, 23 boundaries & terrain., 31-3, 83, 230-1, 232. See also traveling well; animal-human boundary; ethology; technology transfer Boyle Lectures, 414 Boyle, Robert, 411 Bracken, L., 114 Bracy, Williams, and Co., 139, 141 Bradbury, Ray, 181 Breland, Keller, 210 Breland, Marian, 210 Brier, Søren, 183, 187, 188 British Coal Corporation, 155 British Institute of Civil Engineers, 118 British Museum, 73 British Science Museum (London), 352 Brontë, Charlotte, 433

Cahokia, Mississippian site of, 309, 310, 317 Calhoun, John B., 19, 22. See Chapter 8 Candida albicans, 260 Capitol (Washington DC), 80 Carandini, Andrea, 56, 58 carpentry, carpenters, 4, 50, 64, 67. See also knowledge; expertise; traveling companions Carroll, Lewis, 177

building techniques, 46, 64, 86, 87, 103, 223,

225. See also architecture; archaeology

Brown, Henry Kirke, 74

Buckham, Mary, 436, 442

Bush, George H.W., 136, 137, 156 Buss, David, 431–3, 440

Buat, du L. G., 121

Bulfinch, Charles, 81

Carroll, Noël, 185 cases, medical, 5, 17, 20, 412. See also databases; epidemiology; traveling companions, vehicles; fiction; material objects; narrative; images; research articles. See Chapter 9 fictional, 169, 176. See also popularizations like model organisms, 267. See also biology of epidemics, 383-4 CDC. See United States, Centers for Disease Control Center for Energy, 138 Center for the New West, 138 Centers for Disease Control (CDC). See United States, Centers for Disease Control Centre for Energy and Economic Development (UK), 153 CES. See Conveyance Estimation System Chandler, Raymond, 175 chaperones. See traveling companions, chaperones character. See facts, character of Charcot, J. M., 423 Charles I (King), 403, 411 Chaucer's Canterbury Tales, 170 Chen, Xi, 368 Chezy, de A., 121 Christian, John J., 227, 229 climate change, 4, 143, 156, 183. See also Crichton, Michael; global warming; Palmer, Fred; Greening Earth Society CMV. See Cytomeglovirus CO₂, CO₂ fertilization, 138, 143-6, 149. See also global warming; climate change; green revolution; precision farming Cold Spring Harbor Symposium (1957), 230 community, communities, 5, 11, 27. See also scientists; historians; archaeology; carpentry; models; traveling companions; knowledge animal communities, 243 conflicts, 137, 157, 430, 434-7, 448. See also fiction databases. See databases

ethnic communities, 307, 313, 315, 317

354, 372, 388, 413, 440

companions. See traveling companions

receiving communities, 142, 260, 284, 295,

networks of, 382-8

Conan Doyle, Sir Arthur, 58

Condorcet, Marquis de, 415



Index 457

Connolly, Robert P., 309, 311 context, contextualization, 55, 158, 255, 318, 371, 440, 445. See also facts, definitions of; traveling companions; cases; boundaries; ethology; behavior; fiction; history de-, re- contextualisation, 319, 337, 350 Conveyance Estimation System (CES), 112, 115, 116, 117. See also models cooperation, 282, 298 lack of, 430 Corinth (Archaic Temple at), 103 Cornell Laboratory of Ornithology, 207 Cox, N., 114 Craig, Wallace, 212 Crichton, Michael, 182-7, 438. See also fiction; climate change; global warming; traveling companions, witnesses; facts, definitions of, false facts Crick, Francis, 335 Cunningham, A., 121, 123 curators, 316, 332, 337-40. See also databases Cyprus Minerals, 143, 155 Cytomegalovirus, 259, 260, 261, 262 Czartan, Petracz, 415 Dakin, James H., 85, 89 Danish Hydrological Institute (DHI), 125 Darwin, Charles, 423, 424, 441, 442, 445 Daston, Lorrain, 9, 68 data data driven research, 329, 339-40 empirical data, 114, 116, 120, 124, 125, 129, 133, 305, 309, 317, 385, 393, 396, 397, 434, 442, 449 re-use, 308, 333, 336, 342, 397 scientific data, 152, 172, 184, 236, 240, 262. See also facts, definitions of databases. See also curators; traveling companions, package. See Chapter 12 as stores of knowledge, 265, 381, 396 bioinformatics, 28, 330 examples, 334, 340 vs. encyclopaedia, 51, 59, 67 David (King), 406 Davis, Alexander Jackson, 89 Davis, David E., 226 Davis, Edwin, 303 Davis, Glenn, 241 Dawkins, Richard, 445 DEE. See Tamil Nadu Directorate of Extension Education (DEE)

demography. See population studies demonstrate, demonstration effect, 173, 256, 283-4, 294, 354. See also experiments Derham, William, 414 Desmond, Countess of, 406, 417, 422 Dharmapuri Precision Farmers Agro Services Limited (DPFAS), 292, 293, 294 Dharmapuri, Tamil Nadu, 275, 279, 293, 294 DHI. See Danish Hydrological Institute Dilettanti, English Society of, 105 Dionysus, 74 DNA, 327, 334, 335, 348 DNIM. See Dynamics of Natural Immunity Model Downshire Estate, 118, 119 DPFAS. See Dharmapuri Precision Farmers Agro Services Limited (DPFAS) drawings. See books; images Dudman, Clare, 175, 177, 180, 186 Duheim, Pierre, 329 Dynamics of Natural Immunity Model (DNIM), 389, 396 Easton, James, 415 ecology, ecosystem, 146, 224, 229-30, 231, 235, 431. See also ethology Eden, Murray, 230 Edison Electric Institute, 155 Ehrlich, Paul R., 180, 236 Eigler, D.M., 353, 354 Elgin, Lord of, 73 Eliot, George, 433 Eminent Mounds. See Chapter 11 Emlen, John T., 226 epidemics, 5, 258. See also cases, of epidemics epidemiology, 5, 34, 256, 262. See Chapter 14 epistemology, epistemic, 116, 169, 182, 185, 261, 262, 267, 268, 308, 318, 335, 341, 350, 381, 412. See Chapter 1 ethology, 3, 19, 32. See also Tinbergen, Niko; Wilson, Edward O.; behavior. See Chapter 7 European Bioinformatic Institute, 345 Evelyn, John, 413 evidence, 15, 22, 47, 56, 58, 137, 140, 145, 156, 180, 184, 187, 206, 237, 241, 256, 260, 285, 305, 307, 309, 313, 329-30, 335-9, 379, 390, 397, 410, 412, 413, 416, 431, 442, 448. See also cases; data; fiction; facts, definitions of, false facts; traveling companions, witnesses; experiments; archaeology

evidential robustness, 310, 313

Defoe, Daniel, 23



> 458 Index

experiments, 3, 9, 19, 114, 120, 123, 144, 181, 199, 202, 205, 208, 259, 280, 288, 317, 329, 341, 354, 359, 369, 396, 410. See also facts, definitions of, false facts; demonstration. See Chapter 8 and Chapter 13 expertise, 68, 188, 280, 289, 297, 331, 337, 341, 361, 369, 412. See also knowledge experts. See traveling companions, experts Eyam village plague, 23, 310 FA. See Farmer Associations (Tamil Nadu) facts character of, 26, 33-5, 129, 154, 158, 183, 208, 225, 246, 261, 280, 318, 337, 369, 371, 388, 424 definitions of, 7-12. See also facts, notions of facts and knowledge, 8-12. See also knowledge false or misleading facts, 6, 12, 21, 29, 34, 46, 54, 153, 169, 183, 262, 410-12, 423-4. See also fiction Fleck's community facts, 13, 14. See also Fleck, Ludwik; Latour, Bruno generic vs. particular facts, 16, 20, 22, 255, 265-9. See also traveling well, integrity, smoothing and sharpening size of, 14, 317, 327-30. See also context small facts, 328. See also data types of, 7-12, 50, 52, 54-6, 113, 280, 302, 352, 359, 370, 379 market for, 4, 6, 18 marketing of, 72, 140, 152, 153, 159, 244, 372, 413 notions of, 8. See also facts, definitions of bundles of facts, 244, 255, 280, 297, 329, 370 440 fact vs. fiction. See fiction, and facts facts vs. artefacts, 15, 49, 54, 317 history of, 8 interpretation of facts, 9, 52, 56, 67. See also context layers of facts, 29, 49, 69. See also images; material objects lives, careers, of, 3, 25, 33, 318, 378, 381,

Fasken, G., 128-33 Feehan, Christine, 445 Feigenbaum, Mitchell, 174 Feynman, Richard, 174 fiction. See also alpha male; narrative; traveling companions; behavior; popularizations; cases; biography; scientists; story. See Chapter 6 and Chapter 16 and (false) facts, 10, 12, 23, 177, 184, 232. See also facts, definitions of and psychology. See psychology as evidence, 179-80, 446. See also evidence detective fiction, 20 fact-fiction ratio, 23, 168, 302, 440 feminism & romance writers. See also community, conflicts. See Chapter 16 fictional dialogues, 178, 184 folklore, 178, 413 romance. See Chapter 16 science fiction, 19, 181 Fleck, Ludwik, 13-15, 450 Flourens, Pierre Marie, 417 formulae. See also research articles; cases; traveling companions; experiments; models engineering, 25, 113, 121, 124. See also Manning's 'n' in fiction (formulaic), 433, 446-7 mathematical, 178, 231, 238, 388, 417-19 Fort Ancient (archaeological site), 309, 311, 317 Fortiguerra, Cardinal Nicolo, 44, 46 Fox Keller, Evelyn, 398 Franklin, Rosalind, 335 Freedman, Jonathan, 236-41 Freud, Sigmund, 55, 58, 78 fruitfulness. See traveling well, fruitfulness Fuller, Thomas, 409 functions. See traveling well, fruitfulness Galilei, Galileo, 120 Gallier, James, 89 Cambridge), 345

Ganguillet, E., 121 Gauss, Carl Friedrich, 175 Geertz, Clifford, 187 Gene Ontology Consortium (Hinxton, genetics, 14, 183, 197, 198, 210, 441-2. See also databases; psychology; behavior. See Chapter 12 German Coal Mining Association, 155

398. See also traveling companions,

resistence to facts, 4, 30, 150, 152, 154, 159

traveling of. See traveling companions,

Farmer Associations (Tamil Nadu), 281, 282,

traveling well

traveling well

289, 291, 292, 294, 297



Index 459

Ginzburg, Carlo, 21, 58-60 Gleick, James, 173-6 Global Climate Coalition, 138 global warming, 4, 184-5. See Chapter 5. See also climate change; CO2; Crichton, Michael GNKM. See Goodnight Kiss Model Godwin, William, 415 Goethe, Friedrich, 203 Goethe, Wolfgang, 77 Goldstein, Lynne, 310 Gompertz, Benjamin, 418-20 Goodall, Jane, 445 Goodnight Kiss Model (GNKM), 382-3, 384-7, 391 Gore, Albert Jr., 186 gossip and rumor, 17, 155, 187. See also traveling well, integrity Gottlieb, Michael, 259 Grange Park (Hampshire), 99 Graunt, John, 418 Greek architecture, 83-6, 103-4. See also architecture green revolution, 16, 25, 149, 150, 233, 275. See also technology, CO2 fertilisation; precision farming; TNAU Greening Earth Society, 138, 139, 143. See also climate change; CO2; global warming Greening Earth Theory, 138, 143-50 Greening of Planet Earth, The (video), 146 Gregory, John, 424

Haan, Bierens de, 197 Hacking, Ian, 328 Haemophilus influenzae type b (Hib). See Chapter 14 Hall, Edward, 232 Halley, Edmond, 418 Hamilton, William J., III, 206 Hansen, James, 136 Harbaugh, Karen, 444 Harlequin, 434, 435, 447 Harrison, John, 175 Hart, James, 408 Harvey, William, 30, 32, 411-13, 416-17, 423 hawk-goose model, 203-8. See also behavior; models Hawley, Amos, 224, 231 Heath Protection Agency. See United Kingdom, Health Protection Agency

HEC-RAS (software), 115, 125, 127, 130 Hediger, Heini, 232 Heinroth, Oskar, 197, 198-200, 203, 219 Helsinki, Technical University of, 382 Helsinki, University of, 382 Herder, Johann Gottfried, 77 Herschel, Caroline, 423 Hicks, D., 130 Hilgartner, Stephen, 167 Hinde, Robert, 195 Hirsch, Jerry, 205, 206 historians, history, 4, 21, 29, 32, 44, 51. See also communities; archaeology; architecture. See Chapter 11 historical method, 57-60 HIV-AIDS, 5, 258. See also cases; evidence; infection Hobbes, Thomas, 409, 410 Hofstader, Douglas, 177-8 Holland, Henry (Architect), 99 Holland, Sir Henry (Physician), 418, 421 Holmes, Sherlock, 57, 58 Hone, Philip, 83, 92 Hopewell (archaeological site), 314. See Chapter 11 Howard, Linda, 441, 442, 445 Hufeland, Christoph Wilhelm, 416 Human Genome Project, 340 Humboldt, Alexander von, 175 Hunston, Susan, 35 hydraulic science, 24. See Chapter 4

Hunston, Susan, 35
hydraulic science, 24. See Chapter 4
HYDRO-1D (software), 115

IBM, 351–6, 358, 362, 370
IBM logo. See images
ICE (Informed Citizens for the Environment), 138, 140. See also climate change; global warming
Idso, Craig D., 150
Idso, Sherwood, 142, 147, 150, 152.
See also climate change; global warming; United States,

Agriculture, Department of images, 28, 138, 146, 198, 206, 208, 231, 243, 311, 327, 413. See also narrative; research articles; traveling companions, vehicles; context; books; facts, notions of; "hawkgoose" model; popularizations; material objects. See Chapter 13 composite visual displays, 358–9, 362, 370 photographs, photographic reference, 113, 125, 128



460 Index

immutability. See traveling well, integrity, Krentz, Jayne Ann, 437-9 immutability Krishnagiri, Tamil Nadu, 275, 279 infection, infectious diseases, 259-60, 261-2. Kutter, W.R., 121, 129 See Chapter 14. See also cases Kuwait Foundation for the Advancement of Informed Citizens of the Environment. Sciences, The, 155 See ICE instinct, 199, 208, 214, 233. See also ethology; labels. See traveling companions, labels laboratory, 114, 145, 202, 205, 263, 289, 332, behavior; aggression innate releasing mechanism, 204, 206 336, 357. See also experiments; images; Institution of Civil Engineers of Ireland, 112, data; expertise; knowledge. See Chapter 8 Lafever, Minard, 79, 93 118, 123, 124 integrity. See traveling well, integrity Lancet, The, 252 Intergovernmental Panel on Climate Change Lane, S.N., 113, 114 (IPCC), 136, 141 Latour, Bruno, 13-14, 357, 378. Internet, 6, 27, 28, 32, 34, 155, 207, 327, 331, See also traveling well, integrity, 351, 434 immutability IPCC. See Intergovernmental Panel on Climate immutable mobiles, 13 Change (IPCC) Lawrence, Martha, 422 Lawson, Richard L., 150 IRM. See instinct innate releasing mechanism ISIS (software), 115, 117, 125, 127 Le Bon, Gustav, 224 Le Roy, Julien David, 79, 103 Island Creek Coal Company, 140 Lehrman, Daniel, 200 Jackson, Andrew, 81 Leino, T., 382, 383, 391 Jain Irrigation Systems Ltd., 293, 294 Leonard, Ned, 153 Jefferson, Thomas, 80, 304 Lessing, Doris, 181 Jenkins, Henry, 408, 418, 422 Levi, Primo, 180 Lewis, Sir George C., 421 Jonathan Creek, Mississippian site of, 311, 314, 315 Lindley, R.H., 205 Jones, Inigo, 64, 67 Lockard, Robert B., 210 Locke, John, 407 Kaposi sarcoma, 258, 260 longevity, life expectancy, 29. See also facts, Kehlmann, Daniel, 175, 180, 186 definitions of, false facts; traveling Keill, James, 413 companions, scaffolding; fiction; Kerr, Richard, 153 evidence; authority. See Chapter 15 Keyfitz, Nathan, 233 Loomis, Alfred, 423 Kimball, Bruce, 144 Lorenz, Konrad, 3, 22, 235, 244. See Chapter 7 Luxdorph, Bolle Willum, 415, 421 Kinsale, Laura, 438, 440 Klenze, Leo von, 79 Lynch, Bernard, 414 knowledge. See also cases; databases; Lynch, M., 357 expertise; traveling companions, experts; Lysicrates Monument (Athens), 87 community; facts, definitions of background, 128, 319, 370 MacCormick, Sir Neil, 159 claims, 186, 328, 377 MACOS, 213-17 experiential, 280 Mako, Suzette, 441 scientific, 266, 280 Malthus, Thomas (and Malthusianism), 224, sources of, 8-12, 424 229, 233 specialist, 167, 169 Manning, Aubrey, 206 technical, 49 Manning, Robert, 112, 118-24, 133 transfer, 179, 231 Manning's 'n', 24. See also formulae; types of, 46, 47, 58, 388, 393, 394, 396 experiments; images; traveling useful and reliable, 10 companions, package; models.

See Chapter 4

Koestler, Arthur, 180



Index 461

marks	modernity. See progress
as 'clues', 4, 46, 51, 62. See also cases	Modleski, Tania, 434-7, 443-4, 447-50
data, 328	Moivre, Abraham de, 418
Latour, 13, 15. See also Latour, Bruno;	Moliyanur Precision Farmers Association, 291
carpentry; data	Monticello, 80
Marksville (archaeological site), 305, 306, 314,	Morelli, Guivanni, 58
317	Morgan, Conwy Lloyd, 197
Marler, Peter, 206	Morris, Desmond, 212, 441, 444, 445
Mason, P., 130	Mortality and Morbidity Weekly Report
material objects, 27, 72, 280, 327, 359.	(MMWR), 252
See also images; traveling companions;	Mount Vernon (Virginia), 80
facts, notions of, facts vs artefacts;	Mumford, Lewis, 233
carpentry; archaeology; architecture;	Mussell, Kay, 435, 443, 449
models; formulae; cases. See Chapter 2	
as artefacts, 303, 306, 315, 316	nanotechnology, 28, 349, 358. See also images;
vs. linguistic objects, 14, 28	expertise; research articles
mating behavior, 218, 228, 231, 233, 431–3.	narrative. See also alpha male; facts, definitions
See also behavior; aggression	of, false facts; traveling companions;
Mayeux, Herman, 148, 151	research articles; historians;
Maynwaring, Everard, 405	archaeology; stories
McGimsey, Charles R., 306, 314	case studies. See cases
McHarg, Ian, 235	fictional. See also fiction. See Chapter 6 &
McVernon, J., 393, 395, 397	Chapter 16
medicine, medical science. See also cases;	historical, 50, 59. See Chapter 11
community; experiments; models;	structures, 151, 155, 432.
epidemiology; databases. See Chapter 9	See Chapter 6
Metchnikoff, Elie, 423	visual, 361–3, 368, 372. See also images
Metternich, Count, 77	National Center for Atmospheric Research
Michaels, Leigh, 445	(NCAR), 153
Michaels, Patrick, 142. See also climate change;	National Coal Association, 150
global warming	National Institute of Mental Health (NIMH),
Michelson, William, 235	223
microscopy, 349, 351–2, 354–6, 360.	National Mining Association, 138
See also images; nanotechnology;	National Press Club,
experiments; traveling companions,	National Public Health Institute (Helsinki,
vehicles; research articles	Finland), 382
MIKE 11 (software), 115, 125, 127	Nature (journal), 354, 356, 370
Miller, George A., 170	NCAR. See National Center for Atmospheric
Mills and Boon, 434, 447	Research
Mississippian (archaeological site), 303,	Nelkin, Dorothy, 215
305, 306, 307, 312, 313, 314, 317.	New England Journal of Medicine, 259, 260
See also Shiloh Indian Mounds	New Hope Environmental Services, 149
(archeological site); Jonathan Creek,	New York Commercial Exchange, 90
Mississippian site of; Cahokia,	NIMH. See National Institute of Mental
Mississippian site of; Aztalan,	Health
Mississippian site of. See Chapter 11	Nobel Laureates
models, modeling, modelers, 5, 31, 34, 65, 81,	Borlaug, Norman, 233
84, 86, 99, 143, 153, 186, 198, 203–4, 230,	Crick, Francis, 335 Lorenz, Konrad, 3. See Chapter 7
136 314 317 365 416 447 See Chaptere A	LOTEITZ, NORTAG, 3. See CHADIET /

Metchnikoff, Elie 423

Watson, James, 335.

Tinbergen, Niko. See Chapter 7

and 14. See also biology; images; databases;

experiments; traveling companions; facts,

definitions of, false facts; knowledge



462 Index

package, packaging. See traveling companions, package Palmer, Fred, 138, 139, 151-4. See also climate change; global warming; Greening Earth Theory; Western Fuels Association parentage, paternity. See traveling companions, parentage Park, Robert Ezra, 224 Parr, Thomas, 12, 29, 32, 34. See Chapter 15 Parthenon, 73, 74, 83, 88, 103 Pasteur, Louis, 384 Patriarchs (Methuselah, etc.), 405, 412, 414, Paulus, Paul, 242 Peabody Holding Company, 140 Pearl, Raymond, 224, 226, 231 Penrose Research Laboratory (Philadelphia Zoo), 229 Pfeiffe, Robert, 383 Philadelphia Zoo, 229 photographs. See images Pinker, Steven, 172 Plot, Robert, 407 popular culture, 435, 444. See also fiction; alpha male; narrative; popularizations; stories; architecture; archaeology; progress popularizations, 23, 143, 147, 153, 211, 217, See Chapter 6. See also fiction; alpha

popularizations, 23, 143, 147, 153, 211, 217, 231, 253, 307, 327, 351, 407, 413, 440–2. See Chapter 6. See also fiction; alpha male; behavior; climate change; Crichton, Michael; narrative; images; traveling companions; architecture; archaeology; stories

population, population studies, 152, 181, 258, 260, 304, 312, 314, 382, 386–7, 395. See Chapter 8. See also ecology; ethology; behavior; aggression; climate change; epidemiology; cases; statistics; communities; archaeology

precision farming. *See also* green revolution; technology; TNAU. *See* Chapter 10 predictions/forecasting, 24, 132, 153, 182, 393, 396. *See also* models; climate

393, 396. *See also* models; climate change; hydraulic science; formulae; epidemiology

progress, 47, 79–81, 146, 152, 158, 182, 286, 287, 449. *See also* architecture; archaeology; climate change; historians; popularizations; fiction; psychology; ecology; epidemiology; technology

psychology, 176, 198–200, 208–10, 231.

See also alpha male; behavior; fiction; popularizations; narrative; story evolutionary psychology, 15, 173, 431–3, 438–42

public health, 149, 154, 226, 241, 245, 257, 260, 383–8. *See also* cases; epidemiology; models; population; climate change; statistics

Pucci, Guiseppe, 58, 60, 64 Pynchon, Thomas, 176

Ralegh, Sir Walter, 406

Radway, Janice, 435, 438, 443, 449

Rashevsky, Nikolas, 230
Ratcliffe, Herbert, 229
Rats of Nihm, The, 19
Reagan, Ronald, 137
research articles, 150, 153, 171, 177, 231,
259–61, 264, 327, 340–1. See Chapter 13.
See also books; images; narrative; cases; databases; fiction; traveling companions;

vehicles
Revett, Nicholas. See Chapter 3
Rheinberger, H.-J., 373
Ripley, S. Dillon, 207
Roberts, Samuel, 119
Robinson, Tancred, 408
robustness. See traveling well, integrity,

robustness Rockefeller Foundation, 226

rodent, rat experiments. See experiments; behavior; aggression; ethology Rodgers, Dennis, 179

Rohrer, H., 353

Romance Writers of America (RWA), 434, 435, 437, 447

Romance Writing Book Club, 444

romance, romance fiction, 15. See Chapter 16. See also fiction; narrative; animal-human boundary; psychology; popularizations; story

and feminism, 434. See also community, conflicts

Romantic Times, 434
Royal Society of London, 408, 414, 418
Rubens, Sir Peter Paul, 30, 403
RWA. See Romance Writers of America

Sacks, Oliver, 176–7, 253 Saint Cecilia in Tratasvere (Church of), 44–9



Index 463

Salmon, Catherine, 448-50 Savers, Dorothy, 20 scaffolding. See traveling companions, scaffolding Scanning tunnelling microscope (STM), 352, Schaffer, Simon, 9 Schleidt, Wolfgang, 205-8 Schmitt, D., 432 Schroeder, Sissel, 311 Schweizer, E.K., 353, 354 science popularization(s). See popularizations Scientific American, 223, 227, 231 Scientific Monthly, 171 scientists, 176-7, 205, 217, 230-2, 290, 329, 334, 339, 342. See also traveling companions; popularizations; narrative; research articles; experiments; knowledge; epistemology; community; authority; models; laboratory; biography; facts, market for scientific community, 148, 354, 358, 372 Second Bank of the United States, 83, 87, 104 secondary retrieval (of facts), 308-10, 311-12. See also archaeology; context; traveling companions, package; evidence; material objects; marks; facts, definitions of Seidel, Kathleen Gilles, 438, 440, 443 Selye, Hans, 229, 230 Serlio, Sebastino, 55, 66, 67 sexual behavior. See mating behavior Sfondrati, Cardinal Emilio, 47, 49 Shapin, Steven, 9, 410, 411 Shapiro, Barbara, 8, 410 Sheldonian Theatre, 66 Shelley, Mary, 171 Shiloh Indian Mounds (archeological site), 305, 311 Siewert, Horst, 197 Silhouette, 434 Simmel, Georg, 230 Sinclair, Sir John, 416 Smithsonian Institution, 207 smoothing and sharpening. See traveling well, integrity, smoothing and sharpening Snyder, Robert L., 229 Sobel, Dava, 175, 177, 186 Socci, Anthony, 141 sociology, sociobiology, 173, 217, 236-7, 389, 431, 441. See also animal-human

Tinbergen, Niko; fiction; narrative; images; scientists; community; evidence; models; story Solzhenitsyn, Aleksandr, 180 Southern Ceremonial Complex, 303 Squier, Ephraim, 303 St. Pancras Church (London), 99 St Pancras station, 6 St Paul's Cathedral (London), 3, 14, 60-7. See also architecture; marks; material objects; carpentry; traveling companions, vehicle; books; evidence Staphylococcus, 256, 258 Stassow, Wassili Petrovich, 79 statistics, 184, 236, 417-20. See also longevity; biology; traveling companions; population; models; evidence Stenberg, George, 384 STM. See Scanning tunnelling microscope; microscopy story, stories, 6, 55, 60, 152, 171, 174, 181, 185, 201, 209, 211, 212, 214, 231, 362, 413, 415, 423, 429, 433, 438. See also images; narrative; fiction; cases; evidence; marks Streptococcus pneumoniae (Pnc). See Chapter Strickland, William, 83, 87, 88, 104 Stuart, James. See Chapter 3 Swift, Jonathan, 23 symbols, 49, 73, 100, 106, 178, 307, 353. See also architecture; archaeology; material objects; popular culture; images; marks Symons, Don, 448 TAIR. See Arabidopsis Information Resource, The (TAIR) Taiwan (government of), 34 Tamil Nadu, 19 Agricultural University (TNAU). See Chapter 10 Directorate of Extension Education (DEE), 281, 289 Precision Farming Project (TNPFP). See Chapter 10 Taylor, John, 403, 408, 409 techniques. See building techniques; carpentry; models; hydraulic science; precision farming; archaeology; microscopy;

narrative, structures

boundary; psychology; behavior;



464 Index

technology. See also traveling companions, pictures, photographs, drawings, books. package; precision farming; images; See books; images models; experiments; nanotechnology; records, recording, 21, 23, 125, 130, 152, scientists 268, 409, 413, 418. See Chapter 11 agricultural, 19, 143, 279, 280 witnesses, 9, 23, 30, 138, 154, 197, 410-11, and evolution, 211 and material objects, 54 traveling well information. See databases character. See facts, character of technology transfer, 316. See also climate fruitfulness, 12, 18-25, 262, 393-7 change; traveling companions, package; boundaries/terrain. See also precision scientists; ecology; models; experiments. farming; popularizations; See Chapter 10 archaeology; architecture. Temple, Sir William, 407 See boundaries Tennes See State Capitol (Nashville) 86 functions, 7, 12, 25, 33. See also facts, Thomas Howard. See Arundel, Lord (Thomas character of Howard) over space, 208-9, 390 Thomas Malthus (and Malthusianism), 415 over time, 44, 59, 101-5 Thoms, William, 420-3 integrity, 7, 12, 13-18, 83, 98, 113, 150, Thorpe, W.H., 209 202, 244, 287, 289, 291, 303, 315, 319, Tiger, Lionel, 431 398, 430, 446, 450. See also fiction; Tinbergen, Niko, 3, 22. See Chapter 7 facts, definitions of, false facts; Tissot, Samuel Auguste, 415 popularizations; gossip and rumor TNAU. See Tamil Nadu Agricultural University immutability, 13, 68, 72, 389 robustness, 197, 202, 219, 225, 244, 246, TNPFP. See Tamil Nadu Precision Farming Project Tolman, E.C., 205 smoothing and sharpening, 17, 255, Torricelli, Evangelista, 120 265, 392. See also cases; context; Toxic-shock Syndrome, 256 facts, definitions of; evidence; traveling companions, 4, 26-30, 33 epistemology; models; images chaperones, 5, 30, 32, 384, 411 Trivers, Robert, 215 experts, 30, 32-3, 148, 158, 185, 187, 361, Trouillot, Michael-Rolph, 302, 308, 318 369, 411. See also models; scientists; trust, 140, 185, 197, 297, 336, 341, 369, historians 415, 423. See also scientists; authority; labels, 22, 27-9, 332, 335, 363. evidence; facts, notions of; traveling well, See also databases; curators; images; integrity research articles TSS. See Toxic-shock Syndrome TUFLOW (software), 132 material objects. See material objects package, packaging, 5, 27-9, 113, 117, 133, Turner, Stephen, 183, 187 138, 157, 278, 287, 297, 337, 358, 362, 372, 396, 430, 440. See also databases; United Kingdom narrative; fiction; popularizations; Board of Works (Office of Public Works), 119 images; formulae; cases; biography; Department of Food, Environment and research articles; technology; story Rural Affairs (Defra), 115 unpacking, 350, 367 Environment Agency (EA), 115, 132 parentage, paternity, 26, 30, 159, 246, 385 Health Protection Agency, 381, 382, 387 scaffolding, 29, 201-2, 316, 405, 416, 417, United Nations 420, 422, 448 Environment and Development Conference vehicles, 29, 231, 266, 318, 330-2. (Earth Summit), 136 See also cases; fiction; narrative; Environment Programme, 136 popularizations; research articles; story Framework Convention on Climate Change, money, 21, 27, 31, 279, 282, 283, 296 137, 155, 156



Index 465

Webb, William S., 312, 315

Kyoto Protocol, 151, 156
World Health Organization, 384, 385, 387, 393
United States
Agriculture, Department of, 143, 144, 148, 151
Army Corps of Engineers, 125
Centers for Disease Control (CDC), 252, 255, 256, 260, 261
Congress, 136
House of Representatives (Committees of), 140, 155
Fish and Wildlife Service, 207
Geological Survey, 130
National Science Foundation, 149

President, 136, 137 Vice-President, 137 Work Projects Administration (WPA), 305, 306, 312 Unknown Flowering Object gene (UFO), 340

Vadivel, E., 275 Valins, Stuart, 225, 240 Vaughan, Sir William, 407 vehicles. *See* traveling companions, vehicles *VLN1* (gene), 333, 335 Vygotsky, L., 389

Waal, Frans de, 431 Wallingford, H.R., 115, 125 Warwick University, 387 Washington, George, 80 Watson, James, 335 Watts Riots (Los Angeles), 232

Wegener, Alfred, 175 Welch, Paul D., 311 Western Fuels Association, 137. See also climate change; global warming Westminster Abbey, 30, 403, 424 Whale Oil Row (New London, CT), 81 Wheeler, William Morton, 171-3, 178 White House, 80 Whitman, Charles Otis, 198 WHO. See United Nations, World Health Organization Williamson, Penelope, 439-41 Wilson, E.O., 172, 178, 217, 431 Winckelmann, Johann Joachim, 73, 80. See also architecture; archaeology; books; traveling companions, vehicles Wirth, Louis, 230 witnesses. See traveling companions, witnesses Wolfe, Tom, 232 Wood, Anthony, 407 Woolgar, S., 357 World Health Organization. See United Nations, World Health Organization World Meteorological Society, 136 Wotton, Henry, 64 Wren, Sir Christopher, 3, 64-7. See also architecture; books; traveling

Zero Population Growth (ZPG), 180 Zibrak, Arielle, 444 Zigman, Laura, 445 ZPG. *See* Zero Population Growth

companions; carpentry