

---

## Subject Index

- Abstracta, 10, 83–85, 132–139, 141, 147, 150–152, 155–156, 158–160, 164–165, 225, 236, 245, 356–360
- Actualism, 42, 337
- Adaptationism, 6–7, 27–37, 46–51, 60–69, 107, 110–113, 329–332, 336–338, 355–356
- Aesthetics, 316, 381
- AI. *See* Artificial intelligence
- Algorithmic processes, 7, 14, 28, 36, 224, 328–331, 334, 337
- Analogies, 85, 170
- Analytic philosophy, 1–2
- Animal cognition, 69, 111–112
- Anthropocentric perspective, 10, 156, 160–162, 360
- Antireductionism, 10, 150, 156–157, 160, 163, 165
- Antirealism, 10, 77–91, 123, 158  
intentional, 77–91
- Artificial intelligence, 114, 119, 346, 383
- Authority  
first-person, 240–241
- Behavior, 77–79, 87–88, 112, 115–117, 132, 136, 138, 177, 221, 248, 341–342, 346
- Behavioral evidence, 79, 87–89
- Behaviorism, 108, 263, 267
- Belief, 3, 10, 56–7, 59, 63–64, 77–80, 84–85, 110–111, 132–139, 141–142, 182, 220–221, 226, 236, 245–247, 251, 342, 344, 347, 358, 361, 366–367
- acquisition, 240  
state, 58, 79, 85, 292
- Biology, 6, 27–37, 65, 114, 157, 328–344, 354, 359  
philosophy of, 6, 27–37, 328–344
- Biosemanantics, 12, 98–103
- Blindsight, 241
- Brain, 3, 32, 112–113, 154, 181, 189–190, 193–195, 203, 207–209, 211–213, 236, 245  
anatomical specification of, 180  
events in the, 220  
fame in the, 375, 378  
imagery, 177  
representation, 364  
states, 221, 229, 237, 239
- Brainstorms* (Dennett), 3, 348, 366
- Brodmann's areas, 180
- Cartesian, 9, 174, 181–182, 193, 203, 211, 213–214, 267, 362–363, 374  
cineplex, 9, 176, 196  
forces, 28 (*see also* Skyhooks)  
skepticism, 173  
theater, 15, 175–177, 182, 196, 226, 250, 376
- Cartesianism, 225, 363, 372
- Categorical Imperative, 317, 383
- Central meaner, 226
- Chemistry, 97, 101, 116–119, 351
- Choice, 41–53, 136, 338
- Cognitive  
capacities, 49, 112, 192  
mechanisms, 69–70

## Subject Index

- processing, 234  
 resources, 226, 245, 249  
 science, 12, 114, 163, 177, 181, 217, 223  
 states, 67, 100, 249  
 systems, 70, 72, 235  
 unity, 246  
 Communitarianism, 316  
 Competition, 29, 48, 52, 109, 352  
 Complexity, 116  
 Computational/ism  
   capacities, 164  
   High church, 383  
   intractability, 309–310  
   states, 159  
 Concepts, 16, 17, 20–21, 82, 106, 204, 226, 357  
   creation of, 106  
   Husserlian, 201–217  
   mathematical, 191  
   mentalistic, 124, 351–358  
   psychological, 204  
   semantic, 82  
 Conceptual  
   machinery, 106  
   necessities, 13  
   space, 83–84  
   system, 106  
 Consciousness, 1, 5, 7–8, 12–14, 20, 41–42, 95–96, 107, 123, 147, 149, 163–165, 170–171, 175–177, 186, 190, 193–195, 201–202, 204, 206–211, 213–217, 219–252, 259–282, 287–303, 351, 355–356, 362–382  
   as epiphenomenal, 259–282, 380–382  
   evolution and function of, 259, 264, 270, 284  
   pathologies of, 241, 247  
   stream of, 174, 176, 289  
   theory of, 4, 8, 260–264, 280, 370, 376, 378  
   unity of, 246–249, 251  
*Consciousness Explained* (Dennett), 4, 13–14, 18, 22, 109, 149, 158, 175, 185, 201–202, 206, 209, 216, 219–223, 225, 230, 232–236, 239–241, 242, 244, 246, 247–250, 251–252, 266, 269–271, 281, 283, 291, 362, 370  
 Constitution (Husserlian), 202, 205–206, 214, 217, 222, 372  
 Content, 3, 8–9, 78, 102, 106, 175, 183, 220–252, 289–303, 347–351  
   ascription, 78–91, 104, 132, 134–135, 141, 159, 347–351  
   bearers, 177, 237, 289–303  
   determinacy/indeterminacy of, 63–73, 347–351, 380  
   fixation, 11, 236–237, 244, 250, 293–303, 367  
   linguistically represented, 9, 289–303  
   mental, 3, 77–91, 97–103, 141, 195, 220–252, 289–303  
   neural, 9, 174–196  
   propositional, 9, 289–303, 347–351  
   subcognitive, 12, 370–380  
   sublinguistic, 9, 289–303  
*Content and Consciousness* (Dennett), 1, 2, 11, 379  
 Counterfactuals, 102–103  
 Culture, 31–32, 112, 329, 334–346, 354–355, 384–385  
  
*Darwin's Dangerous Idea* (Dennett), 4, 15, 24, 28, 31, 41, 46, 52, 107, 309, 328–334  
 Deme, 31, 330  
 Design, 3–6, 22, 27–31, 41–53, 55–73, 328–346  
   process, algorithmic, 28, 328  
   space, 4, 6–7, 30, 41–53, 333–346  
   stance, 12, 19–20, 23, 55–73, 251, 341, 349, 356–358  
   substrate-neutral, 27–31, 328–336, 354–355  
 Desires, 3, 63–64, 77–78, 80, 84, 96, 111, 132–139, 142, 220–221, 226, 233, 236, 245, 247, 251, 358  
 Detector, 9, 164, 191–194, 358  
 Determinism, 27–28, 32, 34–37, 41–53, 62, 72, 83, 338–339  
   classical, 338  
   genetic, 52  
   selective, 27–28, 32, 34–35, 41–53, 331  
 Dispositions, 11, 57, 61–62, 65, 72, 221–222, 377–378  
 Diversity, 28–29, 32  
 Dualism, 133, 174, 201, 265, 272  
  
 Economics, 19, 148, 154, 156–157, 358, 367–368  
*Elbow Room* (Dennett), 4, 24

## Subject Index

- Eliminativism, 22, 90, 103, 120, 133, 136, 156, 159, 162, 201, 223–227, 245, 249, 359, 361–362, 366, 369
- Emergence, 118–122
- Empiricism, 18, 23, 63, 123–124, 156, 205  
 constructive, 123, 356
- Engineering, 4, 28, 30–31, 55–73  
 biological, 28, 30–31, 55–73, 328–329, 344  
 deliberative, 4–5  
 reverse, 4, 6
- Entities, 134, 137–138, 141–142, 150–151, 169, 182, 205
- Entropy, 164
- Epiphenomenalism, 141, 269–283, 357, 380–382
- Epistemology, 8, 12, 26, 63–65, 88
- Epoché, 8, 202, 206–209, 213, 216–217, 363
- Eros, 319–321
- Error, 78–79, 83, 109, 173, 228, 230–231, 349–351
- Essentialism, 15–16, 23
- Ethics, 1, 4–5, 12, 18, 46, 52, 309–324, 382–385  
 deontological, 309–312, 315–317, 321, 381–382  
 transcendental foundation for, 5  
 virtue, 12, 310–324, 382–385
- Eudaimonia, 314
- Evolution, 1, 5, 11–12, 14, 22, 27–37, 41–53, 107, 109, 111–112, 116, 119–120, 140, 320, 328–333, 334, 336–338, 340–344, 351, 354  
 cultural, 5, 7, 31–2, 329, 334–336, 354–355, 384–385  
 history of, 330  
 Lamarckian, 335–336  
 theory of, 27–37, 116, 203
- Evolutionary  
 algorithm, 7, 41–53, 328–341  
 contingency, 14, 27–37, 41–53, 329–332  
 design, 6, 25, 27–31, 41–53, 328–332, 336–344  
 gradualism, 14–15, 27–30, 329, 332–334  
 history, 42, 67, 346  
 lineages, 28, 32–36, 328, 335–336  
 rationale, 41–53, 384  
 theory, 27–37, 120, 310, 312, 328–344
- Exaptations, 60–61, 347
- Explanation, 100, 122, 124, 134–142, 149, 351–358, 360–361  
 causal, 68–69
- First-person operationalism, 287–290, 297–303, 379
- F-level, 224–228, 232, 245, 248–250, 366–367
- Forced Moves, 7, 41–53, 336–337, 340–341
- Free will, 4–5, 7, 13, 14, 20, 23–24, 147
- Friendship, 320–324
- Function, 1, 65, 67–68, 98–100, 17, 270
- Functional analysis, 50–51, 56–58
- Functionalism, 150, 263, 265, 275, 278, 368, 382
- Genes, 30, 35–36, 52, 58, 114, 332, 359
- Genetics, 30, 97, 114, 116, 153
- Genome, 49–50
- Good Tricks, 7, 41–53, 336–337, 340–341, 352
- Gradualism, 14, 27–30, 329, 332–334
- Guineafowl, 32–37, 328–332
- Hardy-Weinberg law, 120
- Hedonism, 313, 318
- Heterophenomenological  
 interpretation, 225  
 stance, 221, 222, 227  
 world, 207–208, 210–212, 214, 216–217, 225
- Heterophenomenology, 158, 201, 207, 219–221, 225, 235–241, 245, 250–252, 297, 301, 304, 351, 364
- Higher-order thoughts (HOTs), 287–289, 298–303, 375–380
- Homunculi, 15, 250, 376
- Idealism, 133–134, 214–215
- Identities  
 behavioral, 266–282  
 functional, 263–265, 268–282, 380–382  
 token, 132–133, 136, 159, 237, 357–358  
 type, 83, 88–89, 133, 150
- I-level, 224

## Subject Index

- Illata, 10, 134, 148, 150–2, 155–160,  
 164–165, 356–360  
 Images, 234  
 Implementation, 224  
 Indeterminacy, 10–12, 25, 55, 63–68,  
 72, 77–91, 159, 230, 232, 341–351  
 of biological function, 67, 341–346  
 Davidsonian, of meaning, 55, 63–64,  
 346  
 Quinean, of meaning, 10–12, 25, 55,  
 63–65, 77, 79–80, 159, 334–351,  
 380  
 Stalinesque/Orwellian, 228–232, 249,  
 287–289, 365–366, 375–380  
 Information, 7, 10, 69, 100, 164, 241  
 compressibility of, 162, 192, 360  
 exchange, 110  
 Instrumentalism, 3, 19, 23, 67, 77–80,  
 83, 124, 132, 135, 137, 139, 149–150,  
 153, 156–60, 164–165, 227, 357–360  
 Intentional, 10, 13–14, 65, 71, 78–79,  
 136, 228  
 ascription, 80, 83, 86–90  
 explanation, 133, 135, 137–142, 227  
 realism, 77–78, 90  
 stance, 3, 11–12, 19, 20, 23, 55, 57–  
 73, 78, 103–104, 107–108, 111, 114,  
 117–119, 124, 131–139, 149, 159,  
 177, 220–227, 236, 239, 241, 244–  
 246, 249–252, 341–351, 353, 356–  
 361  
 states, 11, 71, 78, 80, 83, 85, 87, 104,  
 137, 147, 149–150, 156–157, 159–  
 160, 164, 289–301, 379  
 systems, 57–58, 62, 78, 87, 132, 341,  
 343  
 Intentionality, 1, 3, 5, 8, 13, 20, 45–46,  
 59, 95–107, 119, 136–142, 148–149,  
 173, 181, 196, 202, 204–205, 209,  
 211–213, 217, 220, 235, 289–303,  
 341–351, 356  
 intrinsic, 46, 95, 104  
 theory of, 3, 4, 25, 64, 98, 150, 157,  
 165, 204, 211–212  
*Intentional Stance, The* (Dennett), 3, 52,  
 149  
 Interpretation, 79, 84, 98–100, 103–  
 104, 107–110, 119, 124, 181, 236,  
 238–239, 242, 346–351  
 self, 239, 297, 304  
 Intuition pump, 2, 11–13, 20, 24, 147,  
 157, 161, 165, 170, 177, 181–182  
 Inverted spectrum, 228, 232  
 Judgments, 89–90, 222, 231, 233–238,  
 241–243, 252, 323, 368–369, 374,  
 383  
 retrospective, 172  
 Justice, 311–312, 316, 320, 382  
 Knowledge, 42, 52–53, 96, 98, 103,  
 116, 202, 237, 312  
 Language, 22, 29, 82, 108, 113, 141,  
 182, 294  
 of thought, 9, 371  
 Linguistics, 81–83, 90, 113, 174  
 Logic, 202  
 Logical possibility, 161–163, 262–264,  
 279–281, 359–362  
 Love, 319–322  
 Materialism, 133, 150, 154, 163, 174,  
 196, 263, 273  
 Cartesian, 174–175, 196, 234  
 nonreductive, 150  
 Mathematics, 142, 202, 205, 319  
 Maximization, 312–323  
 pleonexic, 382  
 Meaning, 11, 55–73, 79, 84, 95, 106,  
 109, 114, 182, 191, 205–206, 217,  
 291  
 indeterminacy of, 55, 63–64, 346, 10–  
 12, 25, 55, 63–65, 77, 79–80, 159,  
 334–351, 380  
 theory of, 55, 90, 101  
 Mechanisms, 22, 70  
 biological, 6, 70  
 psychological, 6, 66, 69–73, 136, 268–  
 269, 273–279, 382  
 Memes, 17, 20, 31–32, 114, 123, 161,  
 217, 334–336, 354–355  
 Memory, 14, 232, 252, 287  
 Mental causation, 141  
 Metaphysical possibility, 161–163,  
 262  
 Metaphysics, 10–11, 17, 86, 115–116,  
 121–122, 147–165, 221–222, 235,  
 244, 355, 359–362  
 of intentional stance, 244, 246, 249,  
 341–351  
 pattern-based theory of, 122, 355,  
 359–362  
 Platonic, 316  
 surface (SM), 10, 123, 356, 359  
 Microtakings, 176–177, 180–181, 187,  
 195–196, 367, 371, 374

## Subject Index

- Mind, philosophy of, 11, 88, 104, 133, 163, 201, 351–358
- Moral  
agents, 278, 310, 323, 381, 384  
First-Aid Manual, 5, 12, 309
- Morality, 4–5, 23–25, 80, 278, 309–324, 382
- Morphological  
characteristics, 32  
constraints, 4  
stasis, 30
- Mother Nature, 55, 63–67, 111, 340–344
- Multiple Drafts Model (MDM), 8, 175–176, 219–222, 245, 248–252, 280–281, 375
- Mutations, 333
- Mysterianism, 97, 106–108, 112, 114–115, 121, 124, 136, 201, 352–354, 362  
history of, 330
- Naturalism, 9–10, 14, 17, 25, 46, 55, 95–115, 152, 157, 161, 165, 201–202, 277, 309, 323, 352
- Naturalization, 95–115, 118–121, 351–356  
rule-based, 96–115, 118–121, 352
- Natural selection, 1, 3–4, 6–7, 27–37, 41–53, 55–73, 107–115, 270, 328–331, 334, 338, 341–343, 349
- Neural  
activity, 195, 353  
inflection, 188, 374  
state, 78, 111, 357  
structures, 141  
units, 106
- Neurological evidence, 89
- Neurology, 88–89
- Neuromodulators, 369
- Neurophysiology, 150, 202–203
- Neuroscientists, 15, 114, 210, 213, 364
- Notional world, 183
- Occam's razor, 10, 150, 162, 169, 196
- Ontogenesis, 71, 78
- Ontology, 5, 8, 10, 63–66, 84–91, 147–65, 169–196, 350–363
- Organism, 9, 29–30, 50, 61, 66, 109, 110, 113, 153, 228, 330–333, 336, 342  
multicellular, 153, 336
- Organs  
selection of, 6, 11
- Pain, 229, 242–245, 267, 367–369
- Pandemonium model, 291–300, 375, 378
- Panglossian paradigm, 46, 52
- Panselectionism, 37
- Pathemata, 319, 324
- Pattern(s), 10–1, 57–59, 62, 64, 115, 117, 119–124, 133, 135–136, 142, 147–165, 191–192, 195, 220, 339–341, 355, 358, 360  
of behavior, 57, 62, 109, 112, 114, 220  
detector, 10, 20, 163–164, 355, 358  
of neural activity, 106  
real, 18–19, 57–59, 64, 147–165, 220, 227, 237, 341  
social, 142
- Perceptual systems, 69–70, 72
- Phenomenal  
complexes, 183, 187–189, 372, 374  
properties (P properties), 183, 374  
realism (PR), 182–183
- Phenomenology, 158, 181–182, 188, 192, 201–217, 225, 234–238, 243, 318, 351, 362–363, 367  
auto-, 207–208, 225, 237–240  
hetero-, 158, 201, 207, 219, 221, 225, 235–241, 251–252, 297, 301, 351, 364  
history of, 188  
Husserlian, 201, 207–208, 215, 217
- Phenotype, 30, 330–333, 336. *See also* Organism
- Philosophy  
Dennett's, 1–26, 327–328, 341–385  
methods of, 1–2, 13–26, 371–372
- Phi phenomena, 186–187, 208, 210–212, 230
- Phronesis, 319
- Physics, 82, 96, 101, 116–118, 123, 133, 138, 141, 152–156, 161, 174, 203, 355–356, 359–361
- P-level, 224–226, 234–235, 249, 250, 366–367
- Polya's urn, 44–45, 338–339
- Positivism, 7, 14, 16, 17, 217
- Positron Emission Tomography (PET), 180, 181
- Pragmatism, 86, 148–149, 152, 159
- Property, 21, 78, 86, 137, 154, 163, 183–187, 189–196, 372–375  
complexity-induced, 118, 372–375

## Subject Index

- Property (cont.)  
 detector, 9, 163, 193, 372–375  
 dispositional, 185, 377  
 gerrymandered, 185  
 hallucinatory, 184  
 mental, 77–91, 103, 105, 113, 141  
 nonfunctional causal, 382  
 phenomenal (P properties), 184–187, 189–185, 372–375  
 scientific (S properties), 184–185, 187–189, 190–191, 193, 195
- Psychology, 70, 80–82, 84, 88–90, 114, 132, 153, 157, 165, 183, 202, 237, 251, 277, 351–358
- folk, 79–80, 109–110, 113, 222–227, 232, 234, 236, 250, 287–290, 293, 295–296, 301, 356–358
- Qualia, 8, 14, 16, 20–21, 161, 186, 219–220, 224–226, 232, 260–263, 278–279, 283, 352, 363, 374  
 absent, 260–263, 278–279  
 alien, 260–263  
 inverted, 232, 260–263
- Quinean crossword puzzle, 12, 344–346, 348
- Randomness, 30–37, 44–53, 191, 331, 338–339
- Rationality, 57, 66, 346–351, 358  
 appearances of, 60–61  
 idealized, 135, 141, 311–324, 349–351  
 instrumental, 220
- Realism, 9–11, 17–18, 23, 26, 71, 77–91, 133, 136, 148–150, 157–162, 165, 194, 215, 237, 241, 251–252, 327, 356, 362, 380  
 intentional, 77–91, 380  
 naive, 18, 20, 157, 158, 216, 20, 251–252  
 phenomenal, 9, 182–183, 185, 187–189, 193–195, 372
- Rainforest, 10, 151, 161–163, 165, 195, 362
- scientific, 18, 123, 158, 183, 187–190, 194, 217
- Reductionism, 105, 150–154, 156, 158–159, 164, 201  
 classical, 154  
 ethical, 309–310
- Refinement model, 295–297, 300–303
- Representations, 8–9, 14–15, 63, 66, 69, 72, 78, 173–174, 177, 181, 195, 187–189, 204–206, 210, 213–214, 228, 247, 372–377
- Rule fetishism, 309–311, 382–385
- Saltationism, 21, 29–30, 332–334
- Science, 12, 14, 18, 23, 77, 81, 90, 96, 103, 123–124, 149–151, 155–156, 162, 181–182, 195, 201–202, 215–217, 356–359, 362–363  
 philosophy and history of, 23, 70, 150, 152–153, 156, 163, 358  
 social, 154  
 special, 81, 156, 161, 163  
 unity of, 96
- Scientific picture of the world (SPW), 115–124, 208, 211, 215, 351–356
- Seemings, 7–8, 170–171, 187, 214, 219, 222–242, 252, 366–370  
 and judgments, 231, 233–236  
 real, 7, 229, 232, 235, 366–370  
 theories of, 230, 234–235, 242, 244, 252  
 vehicles of, 236–237, 252
- Selection, 43–50, 62, 64, 67–68, 111, 358  
 genic, 7  
 kin, 29  
 natural (*see* Natural selection)  
 sexual, 29, 67, 332
- Self, 147  
 narrative, 13–14
- Sexual reproduction, 29, 335–336
- Skyhooks, 29–30, 329
- Spandrels, 60–61, 112–115, 270, 353, 356
- Speciation, 6, 27, 29–33, 36–37, 333–334
- Specific Mate Recognition Systems (SMRS), 33–36, 332–333
- Speech  
 acts, 289–293, 379  
 production, 291
- Stance, 19, 20, 23–24, 55–73, 149, 170, 177, 216, 241, 121  
 design, 12, 19–20, 23, 55–73, 251, 341, 349, 356–358  
 intentional, 3, 11–12, 19, 20, 23, 55, 57–73, 78, 103–104, 107–108, 111, 114, 117–119, 124, 131–139, 149, 159, 177, 220–227, 236, 239, 241, 244–246, 249–252, 341–351, 353, 356–361

Subject Index

---

- Stance (cont.)  
  moral, 24–25  
  physical, 19–20, 131, 133, 135, 138–139, 251  
  Platonic, 22  
  plurality of, 25  
Supervenience, 88, 95–96, 105, 136, 150–151, 154–156, 163, 357  
Syntax, 223
- Taxonomy, 133, 135–137, 139, 260, 380  
  standard, 139  
Thermodynamics, 162, 164  
Thought, 22, 70, 72, 182, 195, 233, 287–289, 299–303  
  experiments, 21, 232, 259–264  
  implements, 22, 375  
Translation, 82, 174, 346  
Truth, 80, 84–91, 124, 149, 207, 236, 350, 357, 371  
  conditions, 90, 102, 298  
  evidence-transcendent, 87–91  
Turing machine, 348
- Underdetermination, 79–91  
Universal acid, 4, 28, 329  
Utilitarianism, 309–315, 321, 323
- Valence, 46, 101  
Values, 5, 21, 46, 226  
  economic, 367–368  
  moral, 309–324, 382–385  
Verificationism, 7–10, 18, 25–26, 86–87, 90, 164, 215, 382  
  epistemological, 7–8, 11  
  semantic, 7, 9
- Zombies, 8, 21, 161–163, 220, 239, 259–282, 352, 380–382