

abortion, 192, 230
Adam and Eve, 16, 18, 125
afterlife. *See* death, survival of
agnosticism, 155, 196
AIDS, 188, 189, 216n.1
alchemy, 11, 14, 15, 98
alien abductions. *See* UFO abductions
aliens. *See* UFOs
allegorical interpretation, 75
al-Rawandi, 4
alternative medicine. *See* medicine, alternative
American Humanist Association, 196
ancestral spirits, 28, 176, 180
anecdotal evidence, 136, 137, 146, 150, 152
angels, 7, 16, 28, 74, 147, 148, 231, 232
Anselm, 12
anthropic coincidences. *See* fine-tuning
anthropology, 172, 245; cultural, 161
applied science. *See* science, applied
Aquinas, Thomas, 12
Archimedes, 6
Aristotle, 5, 6, 34, 35, 201, 202
artificial intelligence, 32, 90, 100–105
artificial life, 67
Assumption of the Virgin, 231
astrobiology, 149
astrology, 6, 7, 10, 11, 98, 128, 136, 153
astronomy, 6, 7, 10
atheism, 5, 22, 59, 89, 90, 91, 127, 159, 165, 174, 195, 196, 199, 213
atomism, 6, 66
Augustine, 7

bacterial flagella, 82, 83
behavior: evolution of, 169, 203, 204
behaviorism, 99
Behe, Michael, 82, 83, 231
Bénard cells, 70
Besant, Annie, 22
Bible, 44, 74, 131–34, 147, 167, 181, 202
big bang. *See* cosmology, big bang
Bigfoot, 129
biology, 6, 18, 20, 26, 30–32, 42, 43, 66–68, 72, 73, 80, 83–85, 88, 91, 100, 126, 171, 192, 203–5, 210, 227, 234; molecular, 69
black holes, 34, 57, 61
Blake, William, 22
brain, 33, 34, 65, 84, 96–101, 103–114, 117–23, 151, 152, 175, 180, 205, 206, 233, 235
Bridgman, Percy, 127
Britain, 165
Bruno, Giordano, 14
Büchner, Ludwig, 20, 21, 217–20
Buddhism, 32n.1, 118–120, 134, 152, 229, 232

capitalism, 9, 24, 194
category-violating concepts. *See* supernatural concepts
Catholicism. *See* Christianity, Catholic

causality, 12, 35–37, 45–50, 59, 63, 125, 126
 causation: agent, 97; mental, 122; natural, 17, 18, 46; top-down, 88, 121–23
 chance and necessity, 29, 43, 44, 55, 63, 68, 72, 80, 83, 84, 100, 102, 123, 124, 126
 chaos theory, 45, 46
 cheating, 96, 106, 169, 171, 178, 179, 199, 200, 204, 206, 245
 Chinese Room, 102, 103
 Christianity, 1, 3, 7, 12, 16, 18, 23, 58, 74, 75, 115, 118, 130, 131, 147, 148, 149, 242; Catholic, 9, 10, 12, 14, 75, 85, 128, 134, 137, 164, 167, 170, 197, 228–31; conservative, 28, 128, 148; evangelical, 18, 128, 134, 167; liberal, 134, 210; Orthodox, 134, 170; Pentecostal, 123, 133; Protestant, 77, 78, 130, 137, 164, 165, 181, 196
 Church-Turing thesis, 101
 cognitive science, 32, 34, 106, 117, 119–21, 175, 177, 179–82
 cold reading, 140
 collective behavior, 169, 172
 common descent, 67, 68, 75
 common sense, 34–39, 42, 46, 48, 49, 51, 59, 60, 63, 66, 67, 77, 79, 96, 134, 160, 176, 179, 203, 205
 communism, 24, 90, 167
 complexity, 15, 18, 29, 30, 54, 56, 65–69, 72, 73, 80–83, 88–90, 120, 122; irreducible, 82, 83
 computer science, 42, 67, 83, 101, 102
 conjuring, 138, 139
 consciousness, 11, 21, 42, 43, 49, 50, 52, 95, 99, 108–17, 237–40; primary, 109–13
 conservatism: religious, 30, 66, 74, 77, 79, 80, 89, 133, 152, 187, 192–95, 197, 212; secular, 76, 193–96
 cooperation, 179, 182, 200, 201, 204, 206, 216n.2
 cosmic Santa Claus, 31, 44, 62, 88, 127, 182, 211
 cosmological argument for God, 12, 37, 125
 cosmological constant, 226
 cosmology: big bang, 37, 53, 56–62, 71, 131, 212, 226, 227; inflationary, 56, 60, 226; physical, 32, 45, 54–58, 61, 126, 226; premodern, 7, 8, 12, 14, 132
 Council for Secular Humanism, 155
 creation: special, 15, 18, 20, 31, 74, 154
 creationism, 44, 66, 69, 74–85, 88–90, 125, 127–29, 133, 145, 152–55, 161, 168, 188, 192, 197, 210, 212, 231; young earth, 18, 44, 131, 132, 153, 154
 creativity, 32, 67, 68, 73, 74, 85, 89, 90, 102–4, 194
 crop circles, 128, 138
 CSICOP (Committee for the Scientific Investigation of Claims of the Paranormal), 154, 155
 culture, 107, 172, 173

 D'Alembert, Jean, 11
 Darwin Day, 91
 Darwin, Charles, 15, 18, 19, 67, 68, 74, 89, 91
 Dawkins, Richard, 22, 27, 67, 73, 89, 174, 227, 228
 death, 246; fear of, 179, 184; survival of, 16, 24, 26, 95, 97, 123, 134, 150, 162, 163, 174, 181, 208, 231
 deception. *See* fraud
 decoherence, 51, 52
 deism, 11, 17, 46
 Dembski, William, 83, 86
 democracy, 9, 76, 130, 134
 demons, 16, 129, 140, 147
 Dennett, Daniel C., 29, 30, 90, 108, 124, 188, 240
 Descartes, René, 10, 11, 97, 235
 design: argument from, 12, 13, 15, 22, 35, 37, 45, 49, 52, 55, 65, 73, 80, 222–24, 227; intelligent. *See* intelligent design
 Diderot, Denis, 11, 15
 dinosaurs, 82, 87, 131
 direction of time. *See* time reversal
 DNA, 67, 71, 72, 80, 126, 168

dreams, 97
dualism, 42, 95–100, 102, 108, 112, 113, 115, 117, 123, 126, 162, 219, 230; Cartesian, 10, 97–100, 112, 116, 117, 235
Durkheim, Emile, 20
dynamic core hypothesis, 110, 111, 113, 114

economics, 25, 164
Eddington, Arthur, 22
Edelman, Gerald, 109, 110, 115
education, 9, 79, 85, 158; science, 79, 84, 90, 129, 152, 191–93, 197, 212–14
Edward, John, 136
emergence, 88, 89
emotions, 95, 96, 105, 109, 110, 119, 179, 198, 204, 209, 242
Enlightenment, 9, 11–13, 18, 20, 22, 25, 159, 161, 214, 215
entropy, 69–72
environmental problems, 22, 25, 115, 194
Epicurus, 4, 6
Europe: secularization of, 15, 16, 23, 24, 163–67, 183, 195, 215, 246
evangelicalism. *See* Christianity, evangelical
evangelism, 174
evil, 4, 199; problem of, 4, 74
evolution, 18, 21, 30, 41, 56, 66–72, 76, 83, 92, 114, 170, 171, 193, 204–7, 218, 219, 229, 230; convergent, 87; Darwinian, 18, 19, 22, 30–32, 57, 65, 67–74, 76, 77, 80, 83–85, 89–93, 95, 102, 104, 106, 107, 110, 126, 165, 175, 194; historical contingency of, 87; nonbelief and, 73, 74, 76, 85, 89, 90; progressive, 18, 20, 75, 85–89, 212
evolutionary psychology. *See* psychology, evolutionary
exaptation, 82
existential questions, 41, 161, 179, 180, 184
experience: religious, 2, 11, 39, 116, 118–20, 211
experiments, 14, 36–42, 46, 49, 98, 114, 133, 136, 137, 142–45, 237

face recognition, 105, 106, 108, 109
faith, 27, 28, 152, 174, 176, 187, 201, 209
faith healing, 138
falsifiability, 153, 154
Feuerbach, Ludwig, 20
Feynman, Richard, 223
file drawer problem, 144
fine-tuning, 55–58, 60, 62, 224–27
Finke, Roger, 26, 159, 164, 165
fire walking, 140
Flanagan, Owen, 95, 124, 207, 232
flying saucers. *See* UFOs
folk biology, 65, 96, 176
folk mechanics, 34, 35, 96, 105, 176
folk psychology, 35, 37, 42, 43, 96, 97, 100, 105, 112, 176
folk theories, 39
fossils, 68, 72, 79
France, 24, 165, 197
fraud, 116, 138, 139, 142, 146, 147, 150, 181, 236, 237, 239
free will, 95, 96, 113, 124, 202, 235
Freud, Sigmund, 20, 25, 182, 234
functionalism, 100, 101, 103
fundamentalism, 17, 23, 26, 59, 74–77, 92, 130, 133, 136, 152, 160, 202, 212, 213, 231

Galileo, 9, 10, 14

game theory, 204
ganzfeld, 143, 237–39
Geller, Uri, 136
Genesis, 74, 132
genetic drift, 67
genetics, 66, 70, 71, 105, 168
geology, 18, 78, 80
ghosts, 28, 123, 137, 214, 243
God: proofs of, 10–12, 37
God module, 117, 119, 120
god of the gaps, 44, 45, 57
Gould, Stephen Jay, 69, 87, 210, 228, 230
gravity, 57, 59; Newtonian, 15; quantum, 53, 57, 59, 61, 117
great chain of being, 74, 75, 232, 233
group selection, 168, 171–73, 179

Hartle, James, 59
Hawking, Steven, 59
Heidegger, Martin, 234
Heisenberg, Werner, 49
heresy, 1, 3, 75
history: critical, 18, 128, 131
hoaxes. *See* fraud
Hobbes, Thomas, 11
holism, 88, 121, 122, 212
homeopathy, 128, 153, 192
homosexuality, 90, 91, 188, 195
Honorton, Charles, 238, 239
Houdini, Harry, 138, 139
human dignity, 96, 112, 120
humanistic image of persons, 95, 97, 120, 123, 124, 233–36
humanities, 92, 160, 161
Hume, David, 12, 22, 137
Hyman, Ray, 139, 140, 237, 238
hypnosis, 147, 150

identity politics, 194, 195
immortality. *See* death, survival of
inclusive fitness, 170, 171
India, 23, 32n.1
inflation. *See* cosmology, inflationary
information, 50, 53, 69, 107, 112, 114; complex specified, 83; origin of, 69, 71, 72, 80, 81, 83, 84, 86
Ingersoll, Robert Green, 16
intelligence, 10, 11, 29, 52, 68, 83, 84, 87, 89, 101–3, 109, 117, 123; artificial. *See* artificial intelligence
intelligent design, 15, 18, 31, 66, 74, 80–86, 90, 102, 113, 123, 148, 152, 155, 187, 213
interests: genetic, 107, 204; reproductive, 107, 108, 169, 175, 203, 204
irreducible complexity. *See* complexity, irreducible
Islam, 3, 4, 7–9, 16, 23, 58, 74, 76, 77, 128, 130, 131, 134, 164, 181, 197

Japan, 23
Jesus, 3, 152, 229; resurrection of, 128, 231
Judaism, 16, 58, 74, 75, 130, 210

Kant, Immanuel, 12
karma, 170
Kurtz, Paul, 155

La Mettrie, 11
 Laplace, Pierre-Simon, 17
 liberal theology. *See* theology, liberal
 liberalism, 194, 196
 life force. *See* vitalism
 Linde, Andrei, 60, 226
 literalism. *See* scriptural literalism
 Lucretius, 6, 10, 66

Mack, John, 150
 magic. *See* conjuring
 magnetism, 53, 54
 Mars face, 178
 Marx, Karl, 20, 24, 25, 234
 Marxism, 184
 Mary the color scientist, 111–13
 mass extinctions, 67
 materialism, 5, 6, 10, 11, 16, 18, 43, 127, 129, 134, 155, 194; eliminative, 100; nineteenth century, 20–22, 43, 45, 217; nonreductive, 100
 materialist views of mind. *See* mind, materialist views of
 mathematics, 5–7, 14, 33, 36–38, 42, 47, 52, 67
 meaning: religious, 16, 23, 28, 31, 39, 44, 77, 92, 96, 137, 151, 181, 188, 189, 199, 210, 211, 228
 medicine, 7, 90, 141, 190, 192; alternative, 89, 128, 133, 134, 136–39, 141, 142, 153, 192, 212
 mediums. *See* parapsychology
 memetics, 107, 108, 173–75, 179, 204; nonbelief and, 174, 175, 184
 Mesmerism, 22
 metaphysics, 3, 6, 8, 11, 12, 15, 16, 30, 31, 125–27, 129, 155, 158, 182, 210, 211
 mind: dualist views of. *See* dualism; materialist views of, 21, 30, 43, 96, 99, 100, 108, 111–14, 123, 124, 162, 219, 220, 232–35; modules of, 34, 105–10, 119, 120, 176, 205
 mind-brain identity, 99, 100
 miracles, 2, 3, 11, 23, 32, 46–49, 128–31, 134–38, 141–45, 148, 152, 155, 180, 211, 223, 231
 modernity, 4, 5, 9, 11, 14–16, 25, 35, 75–77, 100, 105, 128, 130, 164–67, 193, 194, 211, 214
 momentum, 38, 39, 49, 52; conservation of, 38, 39
 monotheism, 7, 23, 58, 74, 76, 157, 222, 223
 moral ecology, 207–9
 moral facts, 203, 205–8
 moral objections to religion, 15, 25, 115, 116, 123, 124, 130, 182, 183, 197, 215, 221, 227
 moral perception, 174, 198, 204–7, 244
 moral relativism. *See* relativism, moral
 moral responsibility, 124, 202
 morality, 2, 4, 16, 23, 58, 75, 80, 91, 124, 160, 196–211, 228; evolution of, 170–72, 203; nature of, 90, 96, 106, 193, 203–9, 221; nonbelief and, 198–200, 202; objective, 199, 202–8; religion and, 74, 77, 92, 157, 158, 171, 172, 179, 180, 182, 193, 194, 198, 201, 209, 210, 228, 245; secular, 6, 91, 96, 184, 199–202, 208, 209, 215, 220, 228, 229
 Mormonism, 27
 Morris, Simon Conway, 87
 multiple universes. *See* universes, multiple
 Mutazilites, 4
 mysticism, 2, 17, 49, 115–20, 130

Nasr, Seyyed Hossein, 8
 natural history, 41, 42, 66, 67
 natural kinds, 121
 natural law, 5, 11, 15, 21, 29, 45–47, 52–57, 69, 97, 112, 126, 137, 223, 232
 natural magic, 10, 11, 22

natural philosophy, 10
natural selection, 20, 71–74, 84, 126, 171, 223, 246
naturalism, 5, 6, 20, 28–32, 36, 42–44, 47, 61–63, 66–69, 72, 73, 76, 80–85, 87, 90, 91, 93, 95, 100, 112, 124, 126, 127, 129, 136, 155, 158, 159, 183, 187–89, 193, 194, 202, 203, 206–8, 211, 214, 215;
 methodological, 31, 41, 80–82, 154
near-death experiences, 113, 147, 150, 151
Neoplatonism, 3
Netherlands, 24, 165
neural networks, 34, 104, 105, 124n.1
neuroscience, 100, 109, 112, 114, 117, 119, 123, 232, 234, 235
neurotheology, 119, 120
neutrino, 39, 40
New Age, 7, 24, 66, 75, 85, 88, 89, 115, 116, 128, 129, 133–36, 140, 147, 152, 155, 157, 158, 166, 167, 196, 212
Newton, Isaac, 9, 14, 15, 17
night hag, 140, 151
Noah's flood, 16, 18, 78, 80
nonalgorithmicity, 101, 102, 117
nonbelief: explanation of, 182, 183, 213

occult, 10, 15, 22, 24, 42, 45, 49, 75, 98, 115–17, 128, 136, 194
ontological argument, 12
Otto, Rudolf, 17

Paley, William, 18
Paracelsus, 10
paranormal phenomena. *See* parapsychology
paranormal skepticism, 129, 130, 136, 137, 145, 149–55
parapsychology, 22, 31, 32, 113, 116, 128, 129, 134–45, 149–55, 187, 212, 236–40
pattern recognition, 47
Pauli, Wolfgang, 39
Penrose, Roger, 117
Pflock, Karl T., 150
philosophy: ancient Greek, 2–7, 14, 52, 58, 66; Islamic, 4; mechanistic, 10, 11, 15; nonbelief and, 2–7, 9–13, 15, 21, 26, 52, 58, 90, 127, 184, 195, 201, 203, 205, 208, 210, 215; Platonic, 3, 4, 74
philosophy of religion, 12
photon, 46, 121
physics: ancient, 6, 14, 34, 35; atmospheric, 41, 42, 122; modern, 14, 30–33, 36–48, 52, 55, 59–63, 68, 73, 86, 98, 100, 116, 117, 121, 126, 192; Newtonian, 14, 15, 17, 18, 22, 34, 35, 38, 39, 45, 50, 65, 218, 224; quantum, 36, 39, 45–53, 57, 59, 62, 116, 117, 223, 224; relativity, 36, 39, 45, 59, 224; role of theory in, 39–43, 52
placebo effect, 141
pluralism, 79, 189, 202
Poland, 164, 167
Polkinghorne, John, 46, 86
Popoff, Peter, 139
populism, 75, 77
postmodernism, 92, 161, 194
prayer, 3, 16, 41, 129, 142–44, 180, 189, 245
precognitive dreams, 137, 140, 141
prophecy: biblical, 14, 132, 133
Protestantism. *See* Christianity, Protestant
pseudoscience, 153, 154
psychic phenomena. *See* parapsychology
psychical research. *See* parapsychology
psychoanalysis, 25

psychology, 96–99, 140, 161; evolutionary, 106–8, 176
 psychology of nonbelief, 183
 psychology of religion, 20, 182, 242
 Ptolemy, 7

qualia, 111–14, 162
 quantum measurement, 49–52, 223
 quantum mechanics. *See* physics, quantum
 quantum mysticism, 49–52, 116, 117
 Quran, 4, 7, 58, 74, 130–33, 154, 181, 202, 223

Raëlians, 28, 148, 213
 Randi, James, 138, 139
 randomness, 29, 36–38, 46–48, 50, 52–55, 58, 59, 62, 63, 68, 71, 83, 86, 102, 103, 124, 126; quantum, 46, 48, 63n.1, 2
 rational choice theory, 162–65, 168, 175, 183
 rationality: bureaucratic, 166; critical, 175, 184, 187, 208, 209; instrumental, 164, 175, 200, 201
 Rawls, John, 199, 200
 redshift quantization, 44
 reductionism, 120, 121, 127
 relativism, 166, 168, 183, 193, 209; moral, 76, 193, 199, 201, 206–10, 215, 234
 relativity. *See* physics, relativity
 religion: diversity of, 2, 5, 28, 157, 189, 202; elites and, 3, 7, 14; evolution of, 169–73, 179, 180, 246; expectation of decline, 20, 23, 130; genetic basis for, 168, 169, 183; secular substitutes for, 16, 25; social function of, 20, 171, 172, 179; testability of, 162, 170, 174, 181, 182, 241
 religious compensators, 163
 religious concepts. *See* supernatural concepts
 religious studies, 160–62
 remote viewing, 237, 240
 Renaissance, 9
 replicators, 67–69, 87, 107, 108, 173, 204
 revelation, 2, 4, 13, 18, 130, 133, 157, 199, 211, 228, 229; reason and, 2–5, 27
 revolution: scientific, 14, 34, 35, 42, 82
 rituals, 159, 169, 170, 172, 178, 179, 245, 246
 Roman empire, 7
 Roswell. *See* UFO crash

Schleiermacher, Friedrich, 17
 science: applied, 78, 79, 190, 192, 214; compatibility with religion, 17, 22, 23, 25–27, 31, 41, 88, 91, 92, 117, 164, 182, 189, 210–12, 214, 228; conflict with religion, 9, 14, 22, 23, 26, 27, 73, 93, 214, 231, 232; defining characteristics, 82, 153, 154; nonbelief and, 6, 8, 11–17, 21, 22, 25–27, 36, 76, 91, 126, 127, 130, 166, 190, 194, 197, 203, 213–15, 227; political interests of, 193, 194, 212–15; premodern, 2, 5–8
 science education. *See* education, science
 scientific image of persons, 95, 96, 112, 123, 232–35
 scientific literacy, 191
 scientific method, 127
 scientism, 127
 scientists: religious beliefs of, 26, 164, 165, 185n.1, 214
 scriptural literalism, 44, 75–77, 131, 133, 136, 160
 scripture, 4, 7, 18, 75, 80, 130–33, 228, 229; science and, 131–33
 secular humanism, 155, 196, 198, 214
 secularism, 15, 20, 24, 25, 91, 184, 196, 197, 213, 215; French, 197
 secularization, 23, 24, 165–68, 183, 185, 215
 self-deception, 138, 139, 150
 self-interest, 199–201, 203, 204
 selfish genes, 194, 204

self-organization, 69–71, 88
separate spheres, 23, 25, 154, 210–13
Shermer, Michael, 155
singularity, 59
Skeptics Society, 154, 155
slavery, 199, 201, 205
sleep paralysis, 140, 151
Smith, Adam, 19
social functions of religion, 158, 159
social science: nonbelief and, 20, 25, 158, 159, 165, 183
socialism, 15, 16, 24, 25, 195
sociology of religion, 20, 23, 26, 162, 165, 168
soul, 6, 7, 10, 16, 25, 30, 32, 35, 42, 43, 66, 85, 95–99, 106, 108, 109, 111–13, 115–17, 120, 123, 124, 142, 147, 151, 166, 207, 211, 220, 229–32, 235, 236, 240, 241
spin, 36, 37, 89
spirit-possession, 123, 133, 151
spiritual healing. *See* medicine, alternative
Spiritualism, 133–35, 138, 141
spontaneous remission, 141
Stark, Rodney, 26, 159, 164, 165
stem cell research, 192
string theory, 61
subjectivity. *See* qualia
Sufism, 128, 130
supernatural agents, 28, 30, 35, 44, 48, 52, 53, 62, 97, 120, 123, 126, 159, 160, 168, 170, 173, 175–79, 184, 187, 209, 243–45
supernatural concepts, 37, 42, 170, 176–82, 210, 242–46
symmetry, 38, 52–55, 58
symmetry breaking, 53, 54

technology, 16, 25, 77, 79, 166, 189, 192, 202
Templeton Foundation, 26
Thales, 2, 3, 5
theism, 11, 15, 45, 46, 80, 120, 125, 211
theology, 12, 26, 28, 30, 89, 162, 180–82, 202; conservative, 127; liberal, 17, 23, 31, 44, 75, 80, 81, 84–86, 88, 89, 91, 92, 117, 122, 136, 154, 157, 161, 166, 181, 187, 210–12; natural, 17, 18; radical, 210
theory: scientific, 6
Theosophical Society, 22
thermodynamics: second law of, 22, 69, 70, 71, 78, 125
Thrower, James, 5
time reversal, 48, 50, 51, 63n.3, 69
Tononi, Giulio, 109, 110
Trinity, 3, 118

UFO abductions, 128, 140, 146–48, 150, 151, 155n.2, 189
UFO contactees, 146
UFO crash, 146
UFOlogy, 145, 146, 150, 154
UFOs, 82, 128, 129, 138, 145–52, 213, 214; nonbelief and, 147, 148; religion and, 128, 147
uncertainty principle, 49
United States: nonbelief in, 196; religion in, 16, 24, 76, 79, 154, 164, 165, 167, 168, 195, 197, 214
universal Darwinism, 89–93
universe: origin of, 3, 22, 37, 45, 58–62, 211, 218
universes: multiple, 54, 57, 60, 61
utilitarianism, 199, 202

vacuum, 57; quantum, 48
variation and selection. *See* evolution, Darwinian
virgin birth, 160, 174, 176, 231, 243
vitalism, 21, 30, 43, 66, 122
Voltaire, 11

wave function, 46, 49
Weinberg, Steven, 27, 222

Xenophanes, 3