

## ***INDEX CONTENTS***

**Special Darwin index, including Love index (p.2) and  
Moral Sensitivity Index (p.2)**  
**Quotes Index, 6**  
**Name Index, 7**  
**Subject Index, 12**

## ***SPECIAL DARWIN INDEX***

This is a special index to provide scientists, scholars in all other fields, students, teachers, writers, and general readers with quick access to key points for Darwin's completion for his theory of evolution emphasizing love and moral sensitivity as prime drivers for human evolution. With sections specifically on love, moral sensitivity, and quotes, besides traditional name and subject indexes, it provides ready access both to Darwin's work and the work of his predecessors and successors—which corroborate a “higher order” theory in common, for which the genius of Darwin provided a first scientific grounding.

**Bold numbers** are for access to passages and direct quotes by Darwin. Unbolded numbers are for passages that provide useful context and commentary. Key aspects of Darwin's theory illuminated by these sections include: two halves for his theory, one foundational and well known, the other superstructural, long ignored; two primary forces or streams active in evolution; two radically different relationships for organisms, including ourselves.

All this foreshadows the development by Darwin's progressive social scientific successors of two radically different patterns for social organization, two radically differing types of personality; embryonic concepts of chaos, complexity, and self-organizing theory; and new work toward development of a Global Ethic—or “higher” universal standard of conduct transcending all differences of age, race, creed, class, nationality, gender, or ideology for our species.

### *Love Index*

- love
  - as higher mental quality, **189-190**
  - or fear of God, **165**
  - and** evolutionary importance of,
    - x, xi, xv, xviii
    - superstructure, 91
    - sympathy and reason, 93, **101**
    - the Golden Rule, **45, 46, 54, 71, 97, 113, 135, 174, 199**
    - habit, **109**
    - Love System model, 185, 279
    - organic choice (i.e., self-organizing processes), 181, **192, 279**
    - 95 times in text versus single entry in index, 244
  - in** lower animals, **111**,
    - Darwin in Love*, 219
    - new theory versus old, 228
  - of** all living creatures, **107**
    - associated animals, **74,78-79, 101, 202**
    - beauty, 231, 288
    - dogs, 48, **71, 118, 140**
    - God, **165**
    - mothers, **118**
    - praise and dread of blame, **81, 90, 93, 100, 178, 181, 266**
  - the truth, **104**
  - theory** of, 2, 116-118, including
    - biology of, **20, 232**
    - brain base for, 36
    - desire for, **81**
    - distinct from sympathy, **118**
    - ethics of and connection with moral sensitivity, 5, 7, **19, 20, 31, 44, 45, 82-83, 127, 177, 204-205**
    - evolutionary importance of, **8, 40, 42, 91, 92, 113-114, 131, 165, 199, 212-216**
    - in animals, **107, 219**
    - instinctive, **90**
    - Love System, 126, 177, 223, 279, 287
    - Maslow on, 209, 286
    - psychology of, 230-231
    - sexual, **12, 31**
    - spiritual visionaries, 222
    - tenets, 19, **20, 45, 47**
    - writes number of times of, 2, 219
      - all in sharp contrast to Dawkins on, 130

### *Moral Sensitivity Index*

- amorality, 113
- morality**
  - advantages of, **126**
  - and community selection, **123**
  - and economics, 215, 225
  - of health movement, 269
  - self-regarding, 269
  - standard for general good or welfare of community, **117**
- moral**
  - agency, 50, 51, 75, 95, 100, 150
  - action, 50, 73

bankruptcy of governments, 169  
 behavior, 74, 265  
 being, 97, **98, 163, 203, 265**  
 brain, 33, 257, 259, 266  
 direction for evolution, 184, 186,  
 188, 189, **191, 201**  
 developmental studies, 207  
 discourse, 42  
 evolution, **45**, 46, 59-60, 188,  
 189, 207, 242  
 intelligence, 51  
 mind, 91  
 philosophy, xiii, xiv, 3, 5, 6, 16,  
 66, 165, 178-179, 180-181,  
 228-232  
 Aurelius, Marcus, **76**  
 Bentham, **115**  
 de Chardin, 94, 197  
 Hume, 68, **89**, 261, 263  
 Hutcheson, 68, 261  
 Kant, **69**, 91, 92, 174, 190,  
 191, 207, 214, 231  
 Kohlberg, 89, 187, 190, 207  
 Kropotkin, 65, 75, 192  
 Kung, 5, 8, 249  
 Mackintosh, **68**, 258, 261  
 Marx, 59, 62, 94, 102, 126,  
 156, 161, 162  
 Mill, 62, 76, **77, 116**  
 Neibuhr, 5, 157, 253, 295  
 Paley, 68  
 Smith, 68, 94, **119-121**, 208,  
 214  
 Spencer, 59, 133, 190, 205,  
 207, 223  
 Stewart, 68  
 qualities, **137, 272**  
 relativity, 186  
 superiority of women, **80**, 187-  
 188, **242**  
 thrust of praxis, 278  
 transformation theory, 208, 265,  
 universality, 180, 187, 281  
 vision according to theologian  
 James Rachels, 261  
 world  
 of animals, 67, 71, 78, 81,  
**82, 83**, 263  
 enchantment of, 78  
**moral sense**  
 and conscience, definitions of,  
 107  
 and derivations, 108, **109**  
 first person in history to ground  
 in science, 88  
 in human, instinct in bee, **126**  
 in old theory and new theory,  
 227-230  
 irresponsibility of science, 152  
 mocked by PseudoDarwinians,  
 221  
 summarized, **202-205**  
**moral sensitivity**  
 acquisition of, **202-205**  
**and** conscience, 92, 102, **103**,  
**155, 164**  
 cooperation, 122, 124 (see  
 Mutual Aid)  
 Domination System model,  
 127, 177, 208, 223, 279,  
 287  
 futures sensitivity, 184-185  
 higher and lower moral rules,  
**190**  
 impulsive performance, **96**  
 Love System model, 223, 287  
 moral development studies,  
 207

mutual aid, 74, **192**, 282 (see cooperation)  
 “organic choice” (i.e., self-organizing processes), vii, **71**, 98, **100**, **155**, **163**, **164**, **165**, 172, 174, 175, 177, **178-179**, 186, 265, 277, 278  
 progressive religion, 5, 8, 13, 108, **137**, 215, 254, 272  
 regressive religion, 1, 102, **104-105**, 190, 215, 229, 230, 253  
 sacrifice, **68**, 97, **190**  
 selfishness, vi, **2**, 3, 5, 7, 30, **95-96**, 112, 113, **115**, **118**, **120-122**, 124, 131, **137**, 170, 186, 190, 227, 261, **265**, 267, 270, 281  
 self-organizing processes, vii, 156, 174, 175, 177, **178-179**, 229, 275, 279  
 the “hard Darwin,” 221-225  
 the “soft Darwin,” 221-225  
 why morality falls short or goes bad, 102, **104-105**  
 as conformity to group norms, **92-93**  
 biology of, **19**, **20**, **33**, **44**, **47**  
 brain base for, v, xiii, 32-34, 36-40, 49, 50-52, 99, **105**, **145**, **158**, 162, 173, **184**, 188  
 centering concern for Darwin, **44**, 188  
 concern for religion, xiv  
 comparison of ourselves and other animals, 49, **70**, **72**, 75, 101, **106-107**  
 difference between foundational and superstructural, 20, 29, 47-48, 49, 51-52, 89, 91, 99, 100, 153,-154, **183-184**, **204-205**, 213-216  
 difference between moral sense and morality, **125**  
 dismissal of evolutionary importance, 66, **97**  
 evolution of, v, **109**  
 evolutionary importance of, **7**, 32, 41, **42**, 51, 52, 55, **76-77**, **89-91**, 109-110  
 greater happiness as motivator, **115**  
 general good as motivator, **117**  
 habit as motivator, 84, 115, **116**, 154, **159**  
 impact of language on development of, **154**  
 pleasure or pain as motivators, **84**, **96**, **116**  
 qualities associated with, 49, **143**  
**relation to** a Global Ethic, 254, 281  
 education and learning, 41, **70-71**, **203-204**  
 formation of conscience, **19**, **20**, **70-71**  
 love and the golden rule, 19, 20, **45**, 70-71, 95-96, 109, 177  
 moralism, 102  
 morality, 23-25, **109**  
 “organic choice,” **155**, 157, **163-165**  
 personal and species evolution, 217-218  
 reason, emotion, **19**, **20**, **70-71**, **97-98**, **204-205**  
 rise and drive of the humanistic, progressive or liberal tradition,

218  
sexual, parental, and social  
instincts, **19, 20, 33, 54, 69,**  
**85, 205**  
religion, **192,** 215, 216, 218  
slavery versus freedom, 186  
spirituality, 254  
**relation to the work of**  
Alexander Bain, **76, 77, 90,**  
**118, 119, 121**  
Jeremy Bentham, **115**  
Friedrich Engels, 274  
Hildegarde of Bingen, 108  
David Hume, **89,** 263  
Gautama, 108, 253, 254  
Carol Gilligan, 207, 242  
Jesus, 108, 214  
Immanuel Kant, **69, 91,** 174,  
207, 281  
Lawrence Kohlberg, 207, 263  
Peter Kropotkin, 73, 260  
Hans Kung, 249, 253, 254  
Alexander Luria, 51, 99, 173  
Sir James Mackintosh, **68,** 258,  
261  
Paul MacLean, v, 34, 36-38,  
40, 51, 94, 99, 188, 207,  
249, 257-259, 266, 267, 273  
Harriet Martineau, 42, 60, 125,  
126, 271  
Karl Marx, 62, 102, 161, 162,  
172, 173, 174, 187, 207  
Mencius, 108, 214, 253  
John Stuart Mill, 62, **76, 77,**  
**176,** 187, 262  
Karl Pribram, 51, 99, 173, 174,  
175, 207, 249, 260, 266  
Milton Rokeach, iii, 230, 268,  
288  
Scotch Enlightenment moral  
philosophers, 253, 288  
Adam Smith, **118, 119, 120,**  
**121,** 270, 285  
Herbert Spencer, 59, 133, 197,  
207, 281, 284  
David Sloan Wilson, 122-124,  
270, 271  
selfishness and morality, **2, 118,**  
170, 186, 190, 227, 242  
selfishness as motivator, vi, **2, 3, 5,**  
7, 30, 31, 96, 112, 113, **115,**  
**118, 120,** 121, 122, 124, **125,**  
126, 127, 128-131, 170, 186,  
190, 227, 242  
selfishness in the work of  
W.D.Hamilton, 120, 121, 129  
Richard Dawkins, 130, 268,  
271  
Robert Trivers, 120, 129, 130  
E.O.Wilson, 122, 129, 130,  
146, 271, 274  
supremacy of, 8  
writes number of times of, 2  
**moralism**  
and Christian and Islamic  
terrorism, 102  
definition of, 102, **105**

## *Quotes Index*

### *quotes about*

- altruism (see, also, mutual aid, below), vi, 40, **68**, 91, **96**, 120, 125, **126**, 129, 148, 186, 190, **203-205**, 261, 265, 266, 288
- beauty, **70**, **106**, **155**, 221, 231, 304
- blind chance, **8**, 195, 196, 197, 198, 227
- chaos theory (see correlated variation), xiii, 171, 172, 174, 197, 198, 224, 244
- caring for all sentient beings, **191**
- correlated variation, **172**, **277**, 278
- Creationists, 2, 5, 254
- destination of species, 192, 196, 197, **201**, **205**, 222, 223, 227, 228-229
- direction of human evolution, 198-199, **204**, **205**, 214, 228-231
- education and learning, 3, 8, 41, 49, 50, **70**, **71**, 73, 75, 77, **145**, **158**, **163**, **164**, **177**, **192**, 198, **201**, **203**, **204**, 215
- Golden Rule, 19, **45**, 46, **93**, **109**, **165**
- love (see Love Index)
- love or fear of God, **165**
- most important of all causes of organic change, **177**
- moral evolution, **45**, 46, 55, 104, **192**, 196, 198, 215, 216, 256, 280-281
- moral sense, **97-98**, **201-205**
- moral qualities, **137**
- moral sensitivity (See Darwin Special Index)
- moral superiority of women, **80**, 186-187, **242**
- mutual aid (i.e., cooperation), 73, **75**, **203-205**, 282
- organic choice (i.e., self-organizing processes), 154, 155, 160, 161, 163-165, 174, 175, 177, 186, 188, 203, 207, 223 \\ 71, 100, 154, **155**, 156-160, 161-163, **163-165**, **171**, 172-175, **177-179**, 184, **185**, 186-188, **189-192**, **204-205**, 207-209
- parental instinct, **33**, 34, 53
- philosophy, 3, 5, 6, 16, 66, 108, 158, 170, 215
  - Aurelius, Marcus, **76**
  - Bentham, **115**
  - Hume, 68, **89**, 261, 263
  - Kant, 69, **91**, 92, 174, 190, 191, 207, 214, 231
  - Mackintosh, **68**, 258, 261
  - Mill, 62, **76**, **77**, **116**
  - Paley, 68
  - Smith, **118-121**, 214, 261, 264, 270, 285
  - Spencer, 59, 133, 197, 207, 281, 284, 287
- primacy of**
  - education in moral evolution, 2,

39-41, **44**, 49, 50, 64,  
70, 75, **137**, 152, **164**, 215,  
216, 225, 242, 249

habit in moral evolution, **8, 84,**  
**91, 93, 98, 100, 109, 116,**  
**120, 137, 139, 140, 142, 145,**  
**151, 159, 164, 190, 191, 192,**  
**204, 205**

love (see Love Index)

religion in moral evolution, vi,  
xiii, xiv, 1, 5, **8**, 108, 111,  
**137**, 157, 175, 179, 180, 187,  
**192**, 214, 215, 216, 218, 223,  
253, 254, 258, 268, **272**

sex in evolution, v, vi, 11, 16,  
**18, 19, 20**, 21, 22, 23, 24, **27,**  
29, 30, 31, 32, **33**, 45, **47**, 51,  
52, 53, 54, 55, 66, 69, 110,  
172, 186, 219

moral sensitivity vis a vis  
intellect, **68, 69, 70, 164**

progressive religion, 5, **8, 137,**  
177, **189**, 215

regressive religion, 1, **105-106,**  
**215, 253**

selfishness, 3, 5, 7, 30, 68, 96,  
104, 107, 112, 113, **115,**  
**117-118, 119- 121**, 122-124,  
125-127, 128-131, 146, 170,  
186, 188, 190, 227, 242

self-organizing processes (i.e.,  
organic choice), vii, **163, 178-**  
**179**

sense of humor in animals, **82**

sexual instinct, **19, 22, 33, 35, 47,**  
52, 54

sexual selection, 54, 66, 172, 180,  
219

shift from primacy of natural  
selection to “higher agencies” at  
level of human emergence,  
**88-91, 92, 93, 98, 100, 192,**  
**203-205**

social instinct, v, **19, 20, 33, 35,**  
**37, 45, 47, 48, 53, 69, 82, 88,**  
**90, 100, 101, 104, 109, 117,**  
**139, 142, 144, 145, 147, 148,**  
151, **159, 163, 165, 178,** 186,  
**189, 190-192, 203-205, 220**

survival of the fittest, iii, xiii, 1-5,  
17, 31, 36, **92**, 112, 113, 128,  
130, **132**, 133-136, **137**, 138,  
140, 147, 169, 170, 177, 185,  
219, 220, 227

two halves for theory, 20, 47, **48,**  
50, 51-52, 89, 91, 96, 147-148,  
181, **184-185**, 186, 196, **201,**  
**203-205**

two kinds of morality, **102-105,**  
**189-190**

## NAME INDEX

Abraham, Fred, 174  
Abraham, iv, 174-175, 177, 244,  
249  
Adler, Alfred, 149  
Allah, 169

Allport, Gordon, 149, 150  
Anthony, Marcus, 249  
Aristotle, 173, 174, 278  
Arnold, Matthew, 94, 166  
Arrien, Angeles, 249  
Assagioli, Roberto, 208  
Aurelius, Marcus, 76

- Babbage, Charles, 59  
 Bain, Alexander, 76, 77, 90, 119-121, 152  
 Baldwin, J.M., 174  
 Banathy, Bela, 174, 250  
 Barrett, Paul, 11, 27, 42, 44, 68, 125, 235, 245  
 Bausch, Kenneth, 162, 249  
 Beck, Don, 208  
 Bell, Sir C., 12, 160  
 Benedict, Ruth, 94, 95  
 Bentham, Jeremy, 115  
 Bergson, Henri, 174  
 Berne, Eric, 150  
 Bernhardt, Sarah, 231  
 Bird, Richard, 83, 138, 141, 249  
 Blackwell, Mr., 141  
 Bloom, Howard, 249  
 Blyth, Mr., 75  
 Boulding, Kenneth, 223  
 Bowlby, John, 61, 223  
 Bradley, Raymond, vi, 173, 177, 223, 249  
 Braubach, Mr., 82  
 Brehm, Mr., 72-74, 78, 80, 81  
 Broca, Paul, 185  
 Brodie, Sir B., 76  
 Buddha, 169  
 Bugental, James, 208  
 Burton, Richard, 59  
 Buxton, Mr., 74  
 Cantril, Hadley, 149, 150  
 Capra, Fritjof, 208, 256, 285  
 Carroll, John, 151  
 Chagall, Marc, 231  
 Chaisson, Eric, 35, 174  
 Chomsky, Noam, 151, 275  
 Christakis, Alexander, 162, 249  
 Coles, Robert, 230  
 Colp, Ralph, 223  
 Combs, Allan, viii, 208, 249  
 Comte, Auguste, 59, 60  
 Corning, Peter, 95  
 Cory, Gerald, 249  
 Cosmides, Leda, 50  
 Covington, Syms, 27, 28  
 Cox, Harvey, 5, 253  
 Csanyi, Vilmos, 151, 173, 175, 181  
 Csikszentmihalyi, Mihaly, 208, 223, 249, 285, 287  
 Curie, Marie, 231  
 Dabrowski, Kazimierz, 149, 150  
 Darwin, Charles  
   foundational youthful exploration of sex and moral evolution: chapters 1-8, pp.11-55.  
   exploration of moral evolution: chapters 9-15, pp.59-114  
   exploration of selfishness: chapters 16-18, pp.115-131  
   exploration of survival of the fittest: chapters 19-21, pp.132-154  
   exploration of “organic choice,” or self-organizing processes: chapters 22-25, pp.155-175  
   exploration of the lost theory of *Origin of Species* and the destination of species: chapters 26-29, pp.176-212  
   exploration of the second Darwinian revolution: chapter 30, pp.213-225  
   exploration of our potential future: chapter 31, pp.226-231  
   guide with critique for teachers, students, and scholars to source documents for Darwin’s



completion of theory: 148, 156, 161, 162, 167, 173,  
 pp. 235-248 174, 187, 190, 207  
 reference to Lost Theory: ii-vii, Fisher, M.K., 195  
 xii-iv, 16, 17, 19, 20, 23, 29, FitzRoy, Robert, 28  
 39, 52, 73, 144, 151, 157, Fourier, Charles, 187  
 162, 176, 202, 221, 247 Fox, Matthew, 5, 253  
 [For Darwin's emphasis on love Franklin, Sir John, 59  
 and moral sensitivity as prime Franklin, Benjamin, 217, 230  
 drivers for human evolution, see Freud, Sigmund, viii, 11, 22, 53, 85,  
 Special Darwin Index for 126, 148, 149, 164, 167, 174,  
 references to the work of Darwin's 190, 207, 208, 223, 231  
 predecessors and successors in Fromm, Erich, 219  
 philosophy and the social and Fuster, Joaquin, 50  
 systems sciences]. Gallup-Bridge, Cassandra, xii  
 Dawkins, Richard, 115, 130, 151, Galton, Francis, 159, 223  
 195, 198 Gautama, 5, 8, 108  
 de Chardin, Teilhard, 94, 197 Gilligan, Carol, 148, 190, 207  
 de Waal, Frans, 73, 246 Gimbutas, Marija, 5, 112, 124  
 Deats, Richard, 5, 253 God, 2, 5, 16, 25, 31, 68, 102, 106,  
 Depew, David, 173, 174, 181 157, 158, 165, 168, 169, 172,  
 Desmond, Adrian, 28, 29, 63, 103, 175, 180, 181, 183, 228  
 188, 245 Goerner, Sally, 177, 223, 249  
 Dickens, Charles, 60, 62 Goldie, Pete, 236, 237, 245  
 Dobzhansky, Theodosius, 129, 146, Goodwin, Brian, 181  
 197 Gorney, Roderick, 38, 40, 94, 249  
 Doestoevsky, Fyodor, 60 Gould, Stephen Jay, 134  
 Dole, Robert, 129 Graves, Clare, 185, 208  
 Dollard, John, 159 Gray, Asa, 138  
 Doyle, A Conan, 103 Greene, John, xx, 65, 196, 197  
 Duncan, Isadora, 231 Gruber, Howard, 11, 27, 42, 44, 68,  
 Durkheim, Emile, 46, 111, 148, 167, 125, 235  
 190, 207 Hamilton, W.D., 120, 121, 129,  
 Duvaucel, Alfred, 80 130, 265, 288  
 Eddy, Don, xii Hartmann, Thom, 1, 218, 249  
 Einstein, Albert, 20, 231 Hawking, Stephen, 230  
 Eisler, Riane, 94, 111, 112, 124, Henderson, Hazel, xii, 249  
 126, 173-175, 177, 208, 222, Hitler, Adolf, 4, 124, 135  
 223, 249 Ho, Mae-Wan, viii, 35, 177, 181,  
 Elgin, Duane, 249 219, 249  
 Engels, Friedrich, 59, 62, 102, 126, Hofstadter, Richard, 271, 284

Holmes, Sherlock, 4, 103  
 Hooker, J.D., 28, 83, 138  
 Houston, Jean, 208  
 Hubbard, Barbara Marx, 174, 208, 249  
 Hume, David, 68, 89, 261, 263  
 Hutcheon, Pat, 125  
 Hutcheson, Francis, 68, 261  
 Huxley, Julian, 129, 146, 174, 197, 274, 282  
 Huxley, T.H., 133  
 Inayatullah, Sohail, 94, 208, 249  
 Jaeger, Dr., 72  
 James, William, 85, 152, 174, 269  
 Jantsch, Eric, 174, 177, 208  
 Jesus, 5, 8, 19, 53, 108, 214  
 Jiayin, Min, 124, 249  
 Johnson, Haynes, 128  
 Jung, Carl, 11, 149  
 Kamps, Gyorgy, 174, 175, 181  
 Kane, Jeffrey, 249  
 Kant, Immanuel, 69, 91, 92, 174, 190, 191, 207, 214, 231  
 Kauffman, Stuart, 174, 181, 208, 228  
 Keller, Helen, 230  
 Knyazeva, Helena, 249  
 Kohlberg, Lawrence, 89, 187, 190, 207  
 Korzybski, Alfred, 151  
 Krippner, Stanley, 208, 249  
 Krishna, 169  
 Kropotkin, Peter, 65, 73, 192  
 Kung, Hans, 5, 8, 249  
 Lakoff, George, 208  
 Lama, Dalai, 8, 230  
 Laszlo, Ervin, ii, 35, 173, 175, 177, 181, 208, 223, 228, 249  
 Leger, Ruth, 131  
 Lerner, Michael, 5, 249  
 Levine, Daniel, vi, 249  
 Lewin, Kurt, 85, 149, 150, 159, 173, 199  
 Lovelock, James, iii  
 Loye, ii-vii, 174, 243, 249, 253, 256, 257, 260, 265-268, 273, 275-277, 279, 281-288  
 Luria, Alexander, 50, 51, 99, 173  
 Mackintosh, James, 68, 258, 261  
 Maclean, Paul, v, 34, 36-38, 40, 49, 51, 94, 99, 106, 145, 188, 207, 249, 250  
 Margulis, Lynn, 22-25, 30, 31, 35, 94, 181  
 Martineau, Harriet, 42, 60, 125, 126  
 Marx, Karl, 59, 62, 94, 102, 126, 156, 161, 162, 167, 172-174, 187, 190, 207, 208, 231, 249  
 Maslow, Abraham, 208, 209, 230, 231  
 Mason, John, xii  
 Maturana, Humberto, iv, 126, 174, 181, 219  
 Mayr, Ernst, 197  
 Mencius, 5, 108, 214  
 Mendel, 59, 195  
 Mill, John Stuart, 62, 76, 77, 116  
 Miller, George, 159  
 Miller, Ron, 175  
 Miller, Neal, 249  
 Mivart, St. George, 180  
 Monod, Jacques, 169, 195, 196  
 Montagu, Ashley, 148, 207  
 Montessori, Maria, 231  
 Montuori, Alfonso, vii, 177, 208, 249  
 Moore, James, 29, 63, 188, 245  
 Morgan, Lloyd, 174  
 Mozart, Wolfgang Amadeus, 231  
 Murrow, Edward R., 3

Neibuhr, 5, 157, 253, 275  
 Nightingale, Florence, 60  
 Noddings, Nel, 249  
 Novak, Bruce, 249  
 Osborn, Henry, 3, 174  
 Paley, William, 68  
 Papez, James, 37  
 Pareto, Vilfredo, 148  
 Park, Mungo, 104  
 Parsons, Talcott, 43  
 Pasteur, Louis, 59  
 Pavlov, Ivan, 126, 148, 152, 223  
 Peirce, Charles S., 287  
 Piaget, Jean, 85, 107, 126, 159,  
 190, 207  
 Pierson, Jean, 208  
 Pribram, Karl, 51, 99, 173-175,  
 207, 249  
 Prigogine, Ilya, 173, 174  
 Rachels, James, xv, 261, 262  
 Raffi, 249  
 Reagan, Ronald, 128, 129  
 Reich, Wilhelm, 22  
 Rengger, Mr., 80  
 Richards, Robert. J., xv, 249, 258,  
 261, 271, 282, 289  
 Richards, Ruth, 249, 285  
 Richerson, Peter, 122, 146  
 Riegel, Klaus, 207  
 Robbins, John, 117, 249  
 Rogers, Will, 230  
 Rokeach, Milton, 111, 230, 231  
 Romanes, George, 62, 247  
 Roosevelt, Eleanor, 230  
 Roosevelt, Franklin, 230  
 Ryan, Frank, 249  
 Salthe, Stanley, vii, 173, 174, 177,  
 181, 196, 249  
 Saunders, Peter, 35, 181  
 Schneider, Kirk, 208  
 Schubert, Franz, 231  
 Scott, David, 249  
 Seldin, Tim, 250  
 Sen, Amartya, 103  
 Shore, Allan, 50, 75, 107, 159  
 Sidgwick, Henry, 116  
 Skinner, B.F., 152  
 Sleeter, Christine, 250  
 Smith, Adam, 68, 94, 119-121, 208,  
 214  
 Sober, Elliot, 122, 126  
 Sorokin, Pitirim, 94, 148, 208  
 Spencer, Herbert, 59, 133, 190, 205,  
 207, 223  
 Spretnak, Charlene, 5, 253  
 Stansbury, Captain, 75  
 Stern, Daniel, 107, 159, 167  
 Sternberg, Robert, 219  
 Stewart, Dugald, 68  
 Subbiondo, Joseph, 250  
 Swimme, Brian, 30, 31, 35, 250  
 Tomkins, Silvan, 207  
 Toms, Michael, 250  
 Tooby, John, 50  
 Trivers, Robert, 120, 129, 130, 231  
 Tucker, Robert, 162  
 Van Gogh, Vincent, 231  
 Varela, Francisco, 174, 177, 181  
 Vico, Giambattista, 285  
 von Bingen, Hildegard, 108  
 Wallace, Alfred Russel, 28, 116,  
 133  
 Weber, Bruce, 174, 279, 280  
 Weber, Max, 111, 243, 244, 258,  
 268  
 Weiner, Norbert, 174  
 Wesson, Robert, 35  
 Wheeler, John, 228  
 Whewell, William, 80  
 Whorf, Benjamin, 151

Wilber, Ken, 208  
Wilson, David Sloan, 122, 123,  
124, 270, 271  
Wilson, E.O., 122, 129, 130,  
146, 262, 271, 274

Wink, Walter, 5, 86  
Wolf, Nero, 4  
Woodward, C.Vann, 4, 134  
Wright, Robert, 271

## **SUBJECT INDEX**

abolitionism, 188  
action, 12, 36, 43, 44, 46, 50, 51,  
55, 63, 68, 73, 80, 84, 97, 115,  
116, 132, 145, 162, 163, 172, 173,  
177, 183, 197, 207, 217, 222, 224,  
244  
activist, 111, 148, 157, 173  
adapt, 229, 230  
advancement, 17, 123, 199  
affection, 18, 37, 71, 79-81, 143  
agency, 11, 50, 51, 75, 95, 100, 137,  
150, 192  
agent, 69, 70, 148, 154, 173, 247  
Akashic, 228  
alienation, 167, 168, 246  
alternatives, 80, 242  
altruism, 40, 68, 91, 96, 104,  
125, 148, 186, 190, 231  
altruistic, 51, 96, 117, 118  
America, 13, 73, 117, 133, 135,  
138, 152, 194, 199, 226  
amorality, 113  
anomie, 111, 167, 168  
anthropology, 46, 187  
anthropomorphism, 221, 239, 245  
  
187, 198, 205, 231, 242  
Bible, 19, 129, 166  
biographies, 28  
biology, 20, 29, 39, 47, 50, 54, 55,  
59, 94, 146, 180, 196, 219

anxiety, 167, 223  
apocalyptic, 206  
Arabic, 167  
Archean, 33  
archeological, 94  
armoring, 223  
Aryans, 135  
Asheville, xiv  
atomic, 20, 206  
atrocities, 124  
attitude, 72  
attractor, 172  
Australia, 13  
authoritarianism, 102  
autocatalysis, 173  
autogenesis, 173  
autopoiesis, xv, 174  
barbarians, 103  
barnacles, 26-29, 236  
Beagle, 13, 19, 28, 45, 125, 236,  
240  
beauty, 70, 106, 155, 221, 231  
bee, 42, 70, 116, 155, 156, 158, 161,  
163, 221  
behaviorism, 152, 208  
belief, 4, 5, 76, 77, 104, 105, 111,  
113, 130, 136, 143, 166, 169, 170,  
  
biped, 182  
bogholes, 166, 226  
brain, 7, 8, 31-34, 36-40, 49-52, 94,  
98, 99, 105, 106, 145, 158, 162,  
163, 173, 178, 184, 185, 188, 189,

198, 207, 222, 247  
 brave, 101  
 Brazil, 1  
 breeding, 14, 195  
 Britannica, 237, 245  
 brutality, 111, 134, 188, 242  
 Buddha, 169  
 Buddhism, 143  
 butterfly, 171  
 Caesar, 248  
 California, 194  
 Cambridge, 45, 136, 157, 238  
 cannibalism, 24  
 capitalism, 62, 111, 161  
 caring, 21, 30, 31, 34-37, 39-41, 45, 48, 50, 66, 80, 91, 110, 126, 127, 147, 148, 153, 154, 158, 168, 186, 207, 208, 218, 221  
 categorical imperative, 69, 91  
 causation, 181  
 cause, 1, 18, 69, 90, 96, 103, 116, 180, 181, 188, 199, 205  
 Cercopithecus, 72  
 cerebral, 49  
 cerebrum, 49  
 chance, 3, 8, 17, 43, 182, 195-198, 218, 227, 228  
 chaos, 6, 90, 111, 171-174, 181, 185, 197, 198, 208, 224, 244  
 chaos theory, xiii, 171, 172, 174, 197, 198, 224, 244  
 charisma, 111  
 Chicago, 65, 237, 245  
 Chile, 13  
 choice, 7, 71, 98, 100, 145, 149, 154, 155, 160-166, 169, 171, 172, 174, 175, 177, 178, 186, 188, 203, 207, 223, 229, 245  
 Christianity, 197, 218  
 cirrepede, 27  
 civilization, 96, 103, 124, 186-188, 191, 220  
 cognition, xv  
 communism, 161, 180  
 community selection, 123, 124  
 compassion, 205, 230  
 competition, 63, 188  
 complexity, 6, 23, 30, 90, 154, 173, 174, 197, 208, 242  
 concordance, 245  
 conflict, 25, 31, 36, 134, 139, 161, 162  
 conformity, 92  
 connectivity, 31  
 conquest, 136, 168  
 conscience, 19, 47-49, 68-70, 82, 92, 102, 103, 155, 156, 159, 163, 164, 178, 179, 227  
 consciousness, 89, 107, 116, 148, 162, 177, 207, 208, 210  
 consensus, 150, 216, 223  
 consequence, 130, 142, 223  
 conservative, 4, 133, 243  
 constitution, 105, 171, 202  
 convention, 60  
 convergence, 187  
 cooperation, 122, 124  
 correlated variation, 172  
 corruption, 114, 129, 209  
 cortex, 49, 50  
 courage, 48, 73, 95, 123, 139, 192, 230  
 Creationists, 2, 5, 8  
 creativity, 23, 43, 45, 187, 208, 223  
 cruelty, 79, 209  
 cultural evolution, 45, 94, 124, 149, 162, 274, 287  
 culture, 50, 122, 124, 135, 146, 167, 187, 206, 242, 243

cybernetics, 173, 174  
 Darwinians, 4, 5, 96, 130, 140, 181, 240  
 Darwinism, 39, 77, 128, 133, 134, 170, 173, 197, 205, 222, 249  
 defense, 59, 88, 192, 208  
 democracy, 102, 227  
 destination, 138, 140, 181, 182, 193, 201, 207, 208, 217, 232  
 destiny, 7, 61, 111, 112, 152, 156, 201, 228, 229  
 determinism, 139  
 development, 23, 29, 32, 33, 36, 38, 49, 50, 52, 62, 76, 85, 88, 93, 98, 102, 108, 118, 125, 127, 137, 145, 148-150, 159, 163, 164, 169, 172, 173, 178, 186, 187, 193, 195, 196, 202, 205-208, 230, 247  
 dialectical, 161, 162, 173, 207  
 dialogue, 162, 248  
 direction, 1, 113, 157, 172, 175-177, 182-186, 191, 194, 198, 201, 207, 208, 245, 251  
 discrepancy, 4, 161  
 dissipative structures, 174  
 domination system, 126, 177, 223  
 dominator, 95, 124  
 dominator model, 95, 124  
 drive, 18, 22, 25, 31, 38, 53, 73, 77, 87, 102, 111, 117, 134, 143, 149, 151, 153, 154, 158, 161, 177, 178, 192, 216, 218, 223, 224, 226, 228, 231, 232, 246  
 Dyak, 103  
 dynamics, 46, 71, 100, 123, 145, 163, 171-173, 208, 227  
 ecology, 143  
 economics, 5, 25, 42, 119, 129, 148, 214, 215, 225  
 education, 2, 39-41, 44, 49, 50, 64, 70, 75, 137, 152, 164, 215, 216, 225, 242, 249  
 emergent, 38, 40, 43, 102, 169, 172, 218, 228  
 emotion, 8, 37, 49, 89, 118, 203  
 empathy, 40  
 enchantment, 65, 68, 77, 78  
 Enlightenment, 5, 68, 200, 217  
 environment, 98, 162  
 equality, 77, 207  
 ethics, 42, 65, 117  
 ethos, 3, 5, 112, 143  
 etiquette, 104  
 Europe, 62, 134  
 evil, 112, 165, 187  
 evolution, 1-3, 6, 16, 17, 20-23, 25, 26, 28-31, 33-41, 45-55, 60, 61, 64-67, 71, 77, 82, 89, 94, 95, 98, 99, 102, 106-110, 112, 115, 122, 124, 126, 127, 129, 132, 133, 135, 137, 138, 144-146, 149, 151, 152, 154, 156-158, 161-164, 169, 170, 172-175, 177, 179, 180, 182-191, 193-199, 201, 202, 205-208, 213-216, 218-220, 223, 224, 227, 230-232, 242, 245, 247, 249, 251  
 evolutionary psychologists, 50, 91, 96, 112  
 evolutionary psychology, 50  
 evolutionary systems science, xxiv, 131, 154, 181, 208, 222, 227  
 evolve, 21, 52, 122, 148, 149  
 expectation, 222  
 exploitation, 128, 209  
 extermination, 25  
 extinction, 32, 177, 226, 232  
 family, 6, 21, 38, 40, 43, 60, 61, 68, 72, 88, 104, 173, 188, 203  
 female, 18, 27, 29, 74, 80, 103, 135, 136, 140

feminist, 42, 187  
 flow, 11, 12, 18, 199, 247  
 Forficula, 143  
 fortune, 61, 173  
 foundation, 20, 47, 48, 53, 89, 91,  
 93, 96, 109, 115, 118, 137, 139,  
 145, 147, 148, 169, 173, 178, 193,  
 196, 203, 213, 220, 247  
 future, 1, 3, 6, 8, 11, 14, 16, 32, 41,  
 51, 65, 98, 99, 108, 113, 115, 124,  
 135, 144, 153, 154, 162-164, 168,  
 177, 178, 181, 182, 185, 189, 197,  
 198, 201, 203, 205, 213, 217,  
 221-225, 227-229, 244  
 Gaia, 25  
 Galapagos, 13  
 gatekeepers, 240  
 gender, 60, 77, 94, 186, 191, 208,  
 241  
 gene, xvii, 23, 35, 59, 115, 130,  
 151, 172  
 General Evolution Research Group,  
 51, 55, 154, 175, 177, 208  
 general evolution theory, xv  
 generations, 3, 113, 188, 195, 205  
 goals, 175  
 God, 2, 5, 16, 25, 31, 68, 102, 106,  
 157, 158, 165, 168, 169, 172, 175,  
 180, 181, 183, 228  
 golden rule, 46, 53, 69, 109, 130,  
 165, 187  
 goodness, 21, 77, 107, 122, 125,  
 187, 208  
 government, 135  
 grasshoppers, 87  
 Greece, 226, 227  
 greed, 112, 129, 227  
 grokking, 244  
 habit, 8, 48, 84, 91, 93, 98, 100,  
 109, 116, 120, 137, 139, 142, 145,  
 147, 151-154, 164, 192, 204, 205  
 health, xvi, 34, 61, 80, 117, 128, 138,  
 208  
 hell, 33, 227  
 helpfulness, 230  
 hermeneutics, 113, 240  
 history, 12, 28, 40, 41, 46, 60,  
 64, 69, 75, 88, 94, 104, 117, 124,  
 128, 133-135, 151, 176, 179, 180,  
 206, 208, 215, 222, 223  
 Hollywood, 199  
 Holocaust, 135  
 hope, 3, 66, 82, 108, 110, 112-114,  
 120, 168, 201, 215, 217, 228, 230,  
 231, 245  
 hostility, 136  
 human potentials, 117, 150, 162,  
 208  
 humanist, 187, 190  
 humanistic psychology, 95, 208  
 humanity, 36, 55, 91, 102, 112,  
 134, 179, 191, 206, 216-218,  
 221, 228  
 humankind, 97, 103, 105, 117  
 humans, 37, 69, 70, 76, 79, 88, 93,  
 100, 103, 149, 167, 185, 204, 246  
 humor, 79, 82  
 Hylobates, 80  
 I Ching, 173, 174  
 ideology, 111, 112, 221  
 ignorance, 1, 5, 105, 112, 157, 171,  
 217, 228, 247  
 immanent, 157  
 immoral, 102, 187  
 implicate order, 213  
 improvement, 25, 177, 183  
 inequality, 218  
 insects, 35, 36, 72, 73  
 instinct, 33, 34, 52, 53, 75, 76, 90,  
 93, 95, 96, 98, 100, 101, 105, 107,

116-119, 139-142, 145, 151, 158,  
 163, 165, 178, 202, 204, 231  
 integral, xiv, xviii, 208  
 intelligence, 48, 50, 187, 231  
 intuition, 22, 31, 34, 49, 160  
 Islam, 218  
 justice, 209  
 Karma, 227  
 kinship selection, 96  
 language, 39, 91, 107, 126,  
 145-147, 150, 151, 153, 154, 165,  
 168, 184, 214, 223, 230, 239, 241  
 laughter, 37  
 leadership, 37, 62, 111, 167, 207,  
 208, 230  
 learning, 3, 40, 41, 49, 50, 70, 73,  
 75, 146, 152, 158, 164  
 liberal, 4, 216  
 limbic, 34, 36, 37, 49, 51, 99, 189  
 London, 6, 7, 13, 14, 19, 62,  
 161, 189  
 love, 2, 5, 7, 8, 20, 26, 32, 36,  
 40-45, 48, 68, 71, 74, 79, 81, 82,  
 89-93, 100, 101, 104, 107, 110,  
 118, 119, 126, 130, 140, 150, 158,  
 165, 166, 177, 181, 185, 192, 199,  
 203, 207, 209, 214, 219, 220, 223,  
 228, 231, 244, 246  
 lunacy, 146  
 macho, 114, 148, 170  
 male, 27, 29, 88, 94, 114, 135, 136,  
 148, 170, 188, 208, 223, 224,  
 241  
 mammals, 31, 36, 37, 72, 140, 148  
 man, 1-6, 11, 12, 18, 24, 27-29, 33,  
 35, 39-44, 46, 48-50, 52, 61, 63,  
 65, 76, 77, 79, 88, 93, 103, 110,  
 112, 118, 119, 126, 132, 134, 137,  
 138, 148, 154, 171, 172, 175, 179,  
 183-185, 188, 196, 208, 222, 224,  
 231, 235, 239, 241, 242, 245  
 mankind, 44, 134  
 mate, 36  
 mathematics, 171, 195  
 mating, 22, 23, 150  
 measurement, 124  
 media, 2, 39, 193, 206, 230, 249  
 megatherium, 13  
 meiotic, 23, 29, 30  
 memory, 40, 107, 161, 165, 248  
 Mesozoic, 33, 35  
 metaphysical, 106  
 method, 43, 103, 243  
 methodology, 43, 239, 243, 246  
 microcosm, 62  
 minds, 4, 8, 20, 26, 77, 100, 105,  
 106, 133, 165, 168, 176, 178, 198,  
 223, 228, 230  
 mindset, 2, 7, 111, 112, 130, 134,  
 195, 196, 207, 227  
 ministers, 4, 45, 54, 108  
 model, 94, 95, 124, 146, 175, 177,  
 185  
 monkey, 18, 72, 74, 78-80, 96, 98,  
 105  
 moral, 2, 5, 7, 8, 19, 20, 23, 31-34,  
 40-42, 45-54, 59, 65, 66, 68-77,  
 82, 83, 87-89, 91, 92, 95-100,  
 102-104, 106-111, 117-119, 122,  
 125, 126, 130, 137, 145, 146, 148,  
 150, 151, 155, 157, 158, 163, 164,  
 169, 173, 174, 178, 184-193, 203,  
 206, 207, 214, 216, 222, 225, 229,  
 231, 242, 243, 245-248  
 moral evolution, 60, 108, 146, 151,  
 186, 188, 189, 207, 242  
 moral sense, 5, 19, 20, 33, 42, 45,  
 50, 52, 53, 68-70, 76, 77, 95, 97,  
 102-104, 107, 117, 118, 125, 126,  
 137, 155, 164, 178, 192, 193, 203



moral sensitivity, 2, 5, 7, 23, 32,  
 41, 47, 50, 51, 53, 68, 70, 72, 87,  
 89, 99, 100, 102, 110, 150, 158,  
 184, 185, 187, 214, 229, 231, 243,  
 245  
 moralism, 102, 186, 187  
 morality, 2, 8, 20, 22, 23, 42, 48,  
 54, 72, 73, 76, 91-93, 103, 104,  
 109, 115-117, 123, 125, 130, 148,  
 152, 165, 181, 186, 187, 190, 205,  
 231, 239, 240, 243, 245, 247  
 morals, 60, 89, 115, 125  
 motivator, 89, 107, 116, 119, 122,  
 125  
 motive, 93, 96, 97, 116, 204  
 Muslims, 102  
 mutual aid, 73, 192  
 mutuality, 25, 151  
 natural selection, 8, 17, 25, 28, 35,  
 65, 92, 116, 120, 122, 123,  
 132-134, 136, 137, 139-143, 146,  
 147, 157, 158, 169, 172, 176,  
 178-181, 184, 186, 188, 192, 195,  
 197, 203, 220, 221, 227  
 naturalist, 45, 65, 74, 192  
 nature, 8, 17, 29-31, 44, 50, 62,  
 65, 68, 70, 71, 76, 92, 101-103,  
 105, 107, 111, 112, 118, 135-137,  
 144, 148, 149, 151, 153, 157, 159,  
 162, 171, 180, 192, 203, 206, 208,  
 209, 221, 223, 225, 230, 231, 243  
 Nazis, 124, 134, 206  
 NeoDarwinian, 8, 112, 128, 194,  
 195, 197, 251  
 NeoDarwinism, 35, 112, 129  
 Neos, 91, 94, 112, 115, 120, 122,  
 126, 129, 130, 146, 207  
 nervures, 87  
 neuropsychologist, 99  
 neurosis, 167-169  
 nihilism, 199, 207  
 norms, 54  
 nuclear, 80, 136, 170  
 objectivity, 227  
 observer, 184  
 oeconomy, 17  
 oligarchies, 226, 227  
 opinion, 103, 145, 163, 190, 191,  
 204  
 optimism, 168, 206  
 organic choice, 154, 155, 160,  
 161, 163-165, 174, 175, 177,  
 186, 188, 203, 207, 223  
 organic selection, 174  
 organism, 22-25, 29-31, 150,  
 161-163, 171, 177, 219, 223  
 origin, 17, 20, 24-26, 50, 53, 54,  
 63, 65, 66, 82, 86, 89, 103, 105,  
 108, 126, 132, 133, 138, 142, 146,  
 172, 173, 175-178, 193, 202, 206,  
 208, 217, 228, 236, 237, 245  
 Paleozoic, 33  
 paradigm, 24, 26, 35, 38, 39, 110,  
 112, 146, 156, 173, 181, 208, 216,  
 220, 222, 224, 239, 244, 249  
 parent, 34, 38, 199  
 parental instinct, 33, 34, 53  
 partnership model, 95  
 passion, 19, 47, 49, 55, 101, 111,  
 167, 178, 187, 188, 207, 231  
 Patagonia, 13  
 pathological, 146, 222  
 peace, 20, 166, 181, 191  
 penis, 29  
 philosophy, 1, 3, 5, 6, 16, 66, 108,  
 158, 170, 173, 215, 216, 251  
 physics, 224  
 planet, 1, 3, 5, 21, 23, 35, 36,  
 49, 68, 77, 102, 106, 108, 112,  
 167, 200

play, 21, 38, 40, 82, 125, 145, 150, 151, 182, 232  
 pleasure, 13, 44, 83, 84, 91, 96, 101, 116, 117, 119, 121, 126, 140, 142, 144, 147, 203, 208  
 politics, 5, 25, 129, 134, 214, 215, 225  
 power, 3, 12, 20, 21, 49, 66, 82, 88, 91, 107, 117, 120, 134, 138, 142, 145, 147, 149-154, 158, 159, 167, 176, 177, 183, 185, 204, 205, 207, 215, 216, 226, 227, 230, 243, 244  
 praxis, 174  
 prayer, 134, 169  
 preconscious, 12  
 predators, 33, 35, 75, 128  
 predict, 199  
 predictability, 198  
 prehuman, 65, 89, 118, 220, 231  
 present, 2, 88, 98, 101, 117, 143, 145, 149, 158, 159, 161, 163, 165, 178, 182, 183, 192, 202, 203, 224, 225  
 prey, 24, 74, 75, 139  
 Princeton, 8, 48, 65, 68, 87, 90, 100, 101, 103, 104, 107, 115, 117, 118, 123, 137, 139, 144, 156, 186, 190, 193, 198, 201, 203-205, 207, 236, 238, 239, 245  
 principle, 28, 46, 68, 80, 109, 115-118, 122, 125, 179, 183, 202, 204, 220  
 probability, 203  
 progress, 50, 126, 135, 187, 193, 198, 208, 223, 251  
 progressive, 4, 5, 52, 110, 138, 179, 193, 199, 215, 216, 218  
 progressive religion, 5, 215  
 Proterozoic, 33  
 PseudoDarwinian, 7, 112, 113, 115, 121, 133-135, 138, 153, 166, 168, 169, 175, 177, 194, 195, 197-200, 220, 222, 226, 227, 239  
 pseudoworld, 156  
 psychiatry, 167  
 psychic, 116, 160  
 psychoanalysis, 12, 208  
 psychohistorical, 247  
 psychologist, 2, 65, 76, 85, 89, 106, 148, 152, 207, 219, 222, 223, 235, 242  
 psychology, 17, 49, 50, 59, 85, 95, 111, 113, 122, 149, 150, 152, 159, 162, 167, 205, 207, 208, 219, 231, 243  
 psychosis, 167, 168  
 psychosocial, 168, 174, 197  
 purpose, 8, 65, 76, 81, 85, 93, 151, 152, 191, 198, 208, 242, 248  
 Quadrumana, 88  
 quantum vacuum, 228  
 race, 134, 207, 248  
 racism, 134, 242  
 random variation, 186, 196, 227  
 reactionary, 179  
 reality, 4, 6, 17, 43, 68, 96, 104, 167, 221, 223, 225, 227, 229  
 reason, 5, 8, 19, 26, 47-50, 53, 66, 68, 75, 76, 89, 90, 96, 98-100, 105, 107, 136, 139, 157, 165, 171, 172, 174, 178, 180, 190, 191, 220, 231, 236, 241  
 reciprocal altruism, 96, 231  
 reconstruction, 39, 213  
 rediscovery, 163, 172  
 regression, 5, 159, 199, 226  
 regressive, 4, 5, 65, 215, 218  
 regressive religion, 5, 215  
 relationship, 24, 25, 49

relativity, 186, 187  
 religion, 1, 5, 8, 46, 111, 137, 157,  
 175, 179, 180, 192, 214-216, 218,  
 224, 225, 240, 251  
 renaissance, 243  
 repentance, 159, 163  
 reptiles, 33, 34, 36, 37  
 Republican, 129  
 republics, 226, 227  
 research, 7, 28, 32, 40, 49-52, 55,  
 60, 61, 79, 86, 94, 99, 106, 116,  
 148, 154, 173, 175, 177, 179, 187,  
 188, 195, 198, 207, 208, 244, 246,  
 247  
 revolution, 3, 8, 11, 26, 59, 61, 62,  
 65, 110, 134, 146, 148, 157, 168,  
 169, 195, 208, 209, 213, 217, 218,  
 222, 224, 226, 247, 252  
 revolutionary, 21, 117, 127,  
 168, 179, 214  
 right, 1, 40, 44, 46, 48-50, 63,  
 68-71, 77, 99, 102, 113, 125, 129,  
 134, 155-157, 180, 184, 186, 189,  
 198, 204, 205, 209, 225, 229, 243,  
 245  
 rightist, 102  
 rights, 68, 134, 230  
 Rome, 226, 227  
 Rosetta Stone, 214  
 Russia, 60, 152  
 sacred, 28, 40, 70, 103, 117, 155,  
 188, 208  
 Sapiens, 46  
 savage, 88, 92, 95, 96, 106  
 scandal, 46, 47, 103  
 schizophrenia, 199, 207  
 science, 1-6, 8, 12-14, 16, 17, 23,  
 25, 43, 45, 49, 50, 52, 53, 55, 59,  
 60, 64-66, 80, 85, 88, 89, 94, 99,  
 106, 108, 110, 112, 119, 128-131,  
 134, 138, 145-149, 151-154, 157,  
 158, 160, 167, 169, 171-173,  
 175-177, 179, 181, 185, 189, 201,  
 206-208, 214-219, 221-225, 227,  
 243, 247, 251  
 selfish, 7, 91, 92, 96, 115, 118,  
 119, 122, 130, 188, 207, 228  
 selfish gene, 115, 130  
 selfishness, 3, 5, 7, 30, 68, 96, 104,  
 107, 112, 113, 115, 117-122,  
 124-131, 136, 137, 145, 146, 170,  
 186, 188, 190, 227, 242  
 self-organizing processes, vii, 156,  
 174, 175, 177, 180  
 semiotic, 151  
 sex, 16, 18-24, 26, 29, 30, 32, 33,  
 44, 51-55, 69, 110, 170, 186,  
 219, 241  
 sexism, 241  
 sexual instinct, 19, 22, 23, 33, 35,  
 47, 52, 54  
 sexual selection, 54, 66, 172, 180,  
 219  
 Shrewsbury, 14  
 slave, 44  
 slavery, 59, 60, 79, 186, 188, 242  
 social instinct, v, 19, 20, 33, 35,  
 37, 45, 47, 48, 53, 69, 82, 88, 90,  
 100, 101, 104, 109, 117, 139, 142,  
 144, 145, 147, 148, 151, 159, 163,  
 165, 178, 186, 189, 190-192, 203-  
 205, 220  
 society, 25, 53, 64, 88, 116,  
 117, 128, 142, 144, 147, 151,  
 166, 167, 173, 199, 205, 206,  
 217  
 sociobiologists, 91, 96, 104, 112,  
 118  
 sociobiology, 122, 125, 129, 130  
 sociologist, 125, 148, 222, 243

sociology, 42, 43, 46, 59, 111, 113,  
 125, 148, 150, 162, 167, 227, 243  
 species, 1, 5, 8, 13, 17, 21-33, 36,  
 41, 42, 45, 46, 48-50, 53, 55, 61,  
 63, 65, 66, 68-71, 75, 77, 80, 86,  
 88, 89, 96, 98, 104-108, 110, 111,  
 115, 117, 119, 120, 127, 130, 132,  
 133, 135, 141, 144, 146, 148-150,  
 152, 154, 155, 157, 161, 163, 165,  
 168, 172, 173, 175-177, 180-182,  
 184, 187, 188, 191, 193, 194, 198,  
 201-205, 207, 208, 213, 215-218,  
 222, 226, 227, 229, 232, 241, 243,  
 245, 249  
 Sphinx, 185, 197, 198  
 spiritual, 5, 108, 136, 177, 214  
 spirituality, 3, 8, 175, 214, 228  
 statistics, 99, 159  
 student, 45, 51, 159, 199, 235,  
 244, 251  
 students, 2, 4, 55, 85, 91, 199, 216,  
 251  
 Super Neo, 96, 113, 125  
 survival of the fittest, iii, xiii, 1-5,  
 17, 31, 36, 92, 112, 113, 128, 130,  
 132, 133-136, 137, 138, 140, 147,  
 169, 170, 177, 185, 219, 220, 227  
 symbiogenesis, 30  
 symbiosis, 23, 30  
 symbiotic, 24, 31  
 sympathy, 8, 44, 75, 77, 78, 82,  
 89-91, 93, 95, 98, 100, 101, 105,  
 117-121, 123, 124, 139, 144, 145,  
 147, 148, 151, 165, 178, 185, 191,  
 192, 203, 204  
 syndrome, 166, 207  
 synergy, 95  
 synthesis, 129, 162, 208, 251, 252  
 systems, 2, 60, 85, 95, 111, 126,  
 128, 131, 134, 151, 154,  
 171-173, 181, 206, 208, 222,  
 227, 231  
 systems science, 60, 131, 154, 173,  
 181, 206, 208, 222, 227  
 teacher, 251  
 tenet, 20, 45-48  
 terrorism, 59, 102, 170, 218  
 Texas, xvii  
 thalamocingulate, 36  
 theologian, 8, 65, 68, 88, 157, 222  
 theology, 157, 158  
 theory, 2-6, 12, 16-20, 23-25,  
 27-32, 35, 39, 43, 45, 48, 52-55,  
 59, 61, 63, 65-71, 73, 77, 82, 84,  
 85, 89, 90, 92-94, 96, 98, 99, 110,  
 113, 116, 119, 120, 122, 126, 127,  
 129, 134, 139, 140, 144-148,  
 150-154, 156-158, 162, 169,  
 171-177, 181, 185, 187, 188,  
 Thermopylae, 175  
 thesis, 156, 162  
 TOTE, 175  
 transformation, 40, 42, 98, 111,  
 173, 174, 187, 208  
 transhistorical, 23, 224  
 tribe, 90, 92, 93, 103, 104, 123  
 trilogy, 25, 65, 112, 130, 208, 227,  
 247  
 tyranny, 218, 224  
 United States, 131, 135  
 universal, 5, 130, 134  
 universe, 31, 35, 165, 166, 169,  
 174, 177, 208, 219, 228  
 utilitarian, 76, 116  
 utopian, 187  
 variability, 23  
 variables, 144  
 variation, 17, 23, 133, 147, 158,  
 172, 182, 186, 188, 195, 196,  
 221, 227

Vatican, 197

virtue, 93, 104, 119, 132, 178, 191,  
205, 206, 209, 231

vision, 5, 6, 8, 9, 16, 24, 32, 40, 51,  
65, 88, 94, 98, 107-110, 117, 152,  
163, 164, 175, 187, 197, 202, 205,  
207, 208, 213, 215-218, 226

visionary, 46, 47, 51

war, 3, 4, 59, 60, 88, 92, 94,  
106, 112, 114, 134, 135, 170,  
206-208

warheads, 136

Washington, 59, 217

Watergate, 4

wealth, 62, 119, 128, 134, 207, 208

Wedgewood, 42, 59, 188

weltschmerz, 168

Western, 39, 166, 167, 173, 218

Westminster, 125

woman, 39, 41, 94, 154, 188, 208,  
222, 242

women, 12, 18, 42, 54, 60, 80,  
102-104, 177, 186-188, 207, 208,  
221, 223, 242

Zeigarnik effect, 85, 159

zeitgeist, 20, 152

zoology, 236