Subject Index

A
Aborigines, Australian, 155
Abu-Lughod, Lila, 26, 62
ACEs (Adverse Childhood Experiences), 315–316
Acetylcholine, 171
Achebe, Chinua, 73
Achievement, failure in, 348
Acquired sociopathy, 184
ACTH (adreno-corticotropic hormone), 130
Action readiness, modes, 150
Active emotions, 61–62
Active rGE, 285
Activity, 17
Actors, 110–111
Actor effect, 286
Acute anxiety, 363
Acute stress, 363
Adaptation, 35–37
Adaptationist lens, 35
Adaptations to negative environments, 312
Adjective checklists, 160
Adolescence, 4
Adolescent limited children, 331
Adolescent psychopathology, interventions, 332–335
Adrenal glands, 130, 131
Adreno-corticotropic hormone (ACTH), 130
Adult Attachment Interview, 289–290
Adverse Childhood Experiences (ACEs), 315–316
Adversities, 281
Aesthetic emotion, 117
Affect-as-information perspective, 261
Affect Infusion Model, 260–263
Affection, 46, See also Affiliation
Affectional bonds, 53
Affective biases, 329
Affective-cognitive structures, 222
Affiliation, 46, 54
and cooperation, 44
and friendships, 220
and groups, 250
Agency, 151
Aggression (aggressive behavior): in children, 288
in chimpanzees, 43
in emotion-based disorders, 309
between groups, 250
and limbic system, 174
psychopathy and, 360
and reaction to facial expressions, 284
siblings, 301
Agoraphobia, 342
Agreeableness, 281, 282, 343
Ainsworth, Mary, 54, 288
Alcohol and alcohol abuse, 339
Alcoholics Anonymous, 71
Alexithymia, 158, 312, 361
All Quiet on the Western Front, 73
Alpha male, 45
Amae, 65
Ambady, Nalini, 94
Ambivalent attachment, 288, 325
Amish, 371
Anderson, Adam, 28
Anderson, Craig, 131
Andrews-Hanna, Jessica, 194
Anger:
and appraisal, 152
and bias, 311
and core affect, 163
cross-cultural comparisons of, 78
development of, 208
and embodiment, 138
and emotional disorders, 352
as emotion word, 158
facial expression for, 94, 146
in family environment, 295–296
and frustration, 67
group conflicts, 250–251
in infants, 204–206
and power, 242
scheme, 149
smiling and facial expressions of, 146
and social interaction, 110
varieties, 158
vocal expression for, 104
Anhedonia, 341
Animals, emotions as, 157
Ann Druyan, 120
Anorexia, 361
Anterior cingulate, 173, 189, 190–191, 358
Anterior insula, 190
Anterior insular cortex, 183–184
Anthropology, 18–19
Antidepressant drugs, 359
Antidepressant medications, 374
Antisocial motivation, 57
Antithesis, principle of, 91
Anxiety:
and reaction to facial expressions, 284
and social class, 246
and voice, 104
Anxiety disorders, 338, 342
cognitive biases in, 357
onset of, 348
prevalence of, 339–340
types of, 342–343
Apes, human relatedness to, 45
Apocalypse Now (film), 72–73
Appraisal(s), 144–167
amygdala, 178–180
automatic evaluation, 145–147
definition of, 144
dimensional approaches to, 148, 149–152
discrete approaches to, 148–149
and emotional experience, 160–164
emotion-related, 177–178
mind, 146
and mood disorders, 348
nucleus accumbens, 180–182
pain, threat, and harm, 182–183
primary, 145–147, 153, 257
secondary, 145, 148–152, 257
tests of theories, 152–154
and verbal sharing, 154–160
Aristotle, 12, 116
Arnold, Magda, 22–23
Art, communication of emotions in, 113–117
Artistic approach, 17–18
Artistic expression, 113–114
Asian cultures, 64, 65–66
Aspergers, 229
Assertion, 56
Assessment, psychometric, 310
Attachment, 11, 43, 52–54, 190, 287–292
avoidant, 288
emotions and, 288–289
genetic influences on, 291–292
parental behaviors, 292–299
parent to child attachment, 290–291
resistant, 288
security, 288
status and emotional outcomes, 288–289
Attachment status, 325
Attachment styles, 108
Attentional effects, 265–266
Attention-deficit hyperactivity disorder (ADHD), 310
Attributions, 151
Atypical emotional responses, 311–312
Austen, Jane, 98, 126–128, 232, 237
Autism, 229, 310, 360
Autism spectrum disorder, 213
Automatic appraisals, 145–147
Autonomic nervous system, 122–130
parasympathetic, 122
sympathetic, 122
Autonomic response, 125–126
Autonomic specificity, 125
Autonomous style, 290
Avatar (film), 22
Avoidant attachment, 288, 325
Awareness and subjective feeling, 183–184
Awe, 129–130
Awlad’ Ali, 26
Axons, 172
Aztecs, 250

B
Babies, 36
Baboons, 46
Barrett, Lisa Feldman, 158, 192
Basic emotions, 202–206
Bastin, Coralie, 193
Beauty, 186
Behavioral ecology theory, 99
Behaviors, health, 302
Behavior therapy, 11, 333
The Better Angels of Our Nature (Steven Pinker), 71
Bias(es):
  affective, 329
cognitive, 357
  negativity, 216–217, 356
Bible, 77
Big Five model of personality, 281, 343
Biobehavioral synchronization, 292
Biography, 270
Bipolar disorder, 322, 341–342
  prevalence of, 342
Bishop, Sonia, 179
Black bile, 16
Blackett, M., 366, 376
Black, Lewis, 5
Blair, James, 184
Blame, 362
Blushing, 126–128, 134
Bodily response. See also Brain and autonomic nervous system, 122–123
  autonomic response, 125–126
  blushing, 126–128
  and embodiment, 138–140
  emotional experience and, 134–138
  facial action, directed, 123–125
  gut feelings and decision making, 140–141
  and hypothalamic-pituitary-adrenal axis, 130–132
  and immune system, 132–134
  and somatic marker hypothesis, 140
Bøhm, Christopher, 48
Boiger, Michael, 64
Bonding, 175
Bonobos, 41
Bosnia, 250
Bowly, John, 11, 43, 97, 200
Brain, 169–195
amygdala, 178–180
anterior cingulate, 190–191
anterior insular cortex, 190–191
cortical processes in, 184–191
and depression, 358–359
discrete patterns, brain activation, 192–195
distinct emotions, 192
dorsal anterior cingulate cortex, 190–191
early research on, 174
and empathy, 141, 189–190
and limbic system, 174–175
neuroimaging of, 170–173
orbitofrontal cortex, 182–183
periaqueductal gray, midbrain, 182–183
physiological changes, 289
prefrontal cortex, 185–188
and recognition of emotions, infants, 216, 220–222
reward circuit in, 180–181
and somatic marker hypothesis, 140
subcortical processes in, 177–183
Brain lesion studies, 174, 181
Brain stem, 173
Brazil, 346
Breathing, 138
Breines, Julia, 352
Broadening and building, 264
Brokeback Mountain (film), 158
Brooding, 357
Brooks, Jeffrey, 187
Bucharest Early Intervention Project (BEIP), 325
Buddha, statue, 68
Buddhism:
  meditation practices, 383
  mindfulness, 384
  pillars, happiness, 383
  reincarnation, 382
  Siddhartha Gautama, 382, 383
  yoga, 383
Bullying victimization, 326
Burials, ritual, 49, 114

C
Calamity, 70
Call, Josep, 51
Calmsness, emotional, 138
Camodia, 250
Campos, Belinda, 65, 129
Candidate gene studies, 320
Cannon, Walter, 20, 121
Capitalizing upon the good, 235
Carhart-Harris, Robin, 194
Carlyle, T., 259
Catechol-O-methyltransferase (COMT) gene, 226
Catharsis, 377
Cerebellum, 173
Cerebral cortex, 173
Chen, Edith, 246
Chen, Serena, 352
Cheng, Joey, 242
Chewong, 155
Child abuse, 358
Childhood:
  development of emotions in, see Emotional development
  neglect during, 354
Childhood disorders, 309–335
categorical diagnosis, 309
comorbidities, 310, 313, 344
dimension, 310
heterogeneity, 310, 313
neurological/endocrine factors in, 321–323
Childhood poverty, 303
Childhood psychopathology:
  biological risk factors, 318–323
  components of therapy, 335
distal risk factors, 326–329
  emotions, 310–311
  epidemiology, 312
  externalizing problems, 330–331
  heterotypic continuity, 329–330
  homotypic continuity, 329
  internalizing disorders, 331–332
  interventions, 332–335
  methylation in, 321
  multilevel perspective, 314
  prevalence, 312–314
  proximal risk factors, 323–326
  risk factors, 314–318
  trajectories of disorders, 329
Child maltreatment, 324
Children, attachment styles in, 288, 290–292.
  See also Parent–child relationship
Chile, 346
The chills, 128–130
Chimpanzees:
  bonobo life, 46
  grooming, 50
  hierarchies, 45, 48
  human relatedness to apes, 45
  mothers and infants, 43, 44
China, 346
Chinese culture, 66–67
  infant emotional expression in, 210
  regulation in, 387
Cholecystokinin, 172
Christianity, 15, 68
Chrysippus, Stoic, 177
Circumstance, 371
Classical conditioning, 178
Client-centered therapy, 380
Climate effect, 293
Cline, Emma, 17
Co-construction of parent–child relationship, 323–324
Cognition:
  attentional effects on, 265–266
  embodied, 141
  and emotional development, 209
  and emotion congruence, 265
  and feelings as information, 264
  guiding of, by emotions, 256–258
  and morality, 269–273
  and passion vs. reason dichotomy, 255–256
  perceptual effects on, 264–265
  and persuasion, 269
  and remembering, 266–267
  and styles of processing, 264–265
  Cognitive-behavioral therapy (cognitive behavior therapy), 11, 333, 367, 376–377, 379, 382
  Cognitive biases, in anxiety disorders, 357
  Cognitive change, 219
  Cognitive development, 293, 303, 304
  Cognitive sensitivity, 293
  Collective emotion and preference, in-groups, 55–57
  Collective group goals, 52
  Collective intentionality, 273
  Collectivist cultures, 112
  Communal sharing, 71
  Communal violence, 72
  Communication of emotions, 85–117
    in art, 113–117
    by children, 279–281
    and coordination of social interaction, 109–111
    cultural variation in, 111–113
    facial expressions, 96–102
    nonverbal behavior and, 88–91
    by touch, 107–108
    vocal communication, 102–107
  Compassion, 21, 126, 182–183, 236
  Compassionate love, 236
  Competition:
    intersexual, 33–34
    intrasexual, 34
  Component Process Model, 153
  Compulsions, 342–343
  COMT gene, 226
  Conceptualization, emotion, 156
  Conditioned stimulus, 178
  Conduct disorder, 297, 309, 334
  Conflict, inner, 373
  Confucius, 63
  Confluence, emotion, 265
  Conrad, Joseph, 72
  Conscientiousness, 281, 282, 343
  Consciousness, 208
  of emotions, 384–386
  Constructed emotion, 162–163
  Constructivist, 162–163
  Contempt, 104, 235
  Continuities, 329
  Continuity of attachment styles, 290–292
  Control:
    effortful, 221
    parental, 300
  Coontz, Stephanie, 230
  Cooperation:
    ability to cooperate, 273
    collective intentionality, 273
    development of, 202
    groups and, 251
    importance, 366
    positive emotions, 366
    shared intentionality, 273
    shared thinking and, 287
    touching and increased, 108
  Coordinate social interactions, 109
  Copy number variants (CNVs), 320
  Cordaro, Daniel, 99, 104, 107
  Core affect, 163
  Core Conflictual Relationship Themes, 376
  Core effect, 163
  Core relational themes, 149
  Corpus callosum, 27, 173
  Cortical processes in brain, 184
  Costello, J., 329
  Courtly love, 75
  Crews, Frederic, 11
  Craig, Bud, 183
  Crime, 274, 330
  Critchley, Hugo, 137, 139
  Criticism, 244
  Cross-cultural comparisons, 78
  Crozier, Ray W., 126
  Cruelty, 70
  Crying, 8–9, 202, 289
  Cultural approaches, 59–80
  epistemologies in, 66
  ethnographies, 61
  historical method, 69–71
  integrating evolutionary and, 78–80
  self-constructual in, 63–65
  values in, 67–69
  in the West, 69–71
  Culture, 29, 61
  Cytokine system, 132, 133
  Cumulative risk, 315
D
  Dalectical-behavioral therapy, 377
  Damasio, Antonio, 140
  Dancing in the Streets (Barbara Ehrenreich), 55
  Dandelions, 286
  Danger, 349
  Darwin, Charles, 6–9, 18, 33, 86, 91–93, 96, 127, 161, 175
  Davidson, Richard, 187
  Davis, Joshua, 139
  Decalogue 8 (film), 270
  Deception, 25
  Declaration of Independence, 63
  Decoding hypothesis, 93
  Default brain network, 220
  Defensiveness, 235
  De Leersnyder, Jozefien, 69
  Deliberative processes, 251
  Dementia, 190
  Depression:
    in children, 310
    definition of, 338
    forms of, 339
    negative bias, 356
    neurophysiology of, 358–359
    onset of, 346–347
    prevalence of, 339, 346
    recovery from, 356
    recurrence of, 354–355
    and regulation, 387
    social support, 353
    vulnerability factors in, 353–355
  Depressive disorders, prevalence of, 340
  Deservingness, 259
  Desire, 125
  DeSteno, David, 15
  Developing societies, 345
  Development of emotions, see Emotional development
  De Waal, Frans, 46, 55, 97, 108
  Diagnosis, 309, 338
  Dialectical-behavioral therapy, 377
  Diary studies, 162
  Diathesis–stress model, 318, 343
  Differential parenting, 300
  on sibling, 323
  Differential susceptibility, 318
  Dimensional approaches (to appraisal), 8, 149–152
  Dimensions, 309–310
  Dips in personality maturity, 285
  Directed facial action, 123–125
  Disabling states, 351
  Discourse, 61
  Discrete approaches (to appraisal), 8, 148–149
  Discrete emotion, 161–162
  Diseases, emotions as, 157
  Disgust, 5, 40, 149
  and embodiment, 138
  facial expression for, 94
  in infants, 202
  and moral judgment, 272
  vocal expression for, 103
Subject Index

Dismal science, 259
Dismissing style, 290
Dismissive parents, 235
Disorganized attachment, 288
Displays, emotional, 242–244
Display rules, 77
Disposition theory, 274
Distal factors, 299, 326
Distinct emotions, 192
Dizygotic twins, 319, 344
DNA, 37, 39, 43
Docter, Pete, 4
Dopamine, 36
Dorsal vagal complex, 126
Dorsolateral prefrontal region, 173, 193
Drama, 24
Drug treatments, for depression, 359
Dryuan, Ann, 120
Duchenne smiles, 244

E
Early experiences, 353–354
East Asian cultures, 68
Eastwick, Paul, 232
Eating disorders, 361
Ecological validity, 96
Effortful control, 221
Egyptians, ancient, 386
Ehrenreich, Barbara, 55
Eibl-Eibesfeldt, Iraneus, 26
Eisner, Manuel, 71
Eisenberger, Naomi, 182
Eisenberg, Nancy, 97
Ekman and Friesen studies, 95–96
Ekman, Paul, 23, 93–97, 101, 105
Elder, G., 283
Electroencephalography (EEG), 166, 172
Elfenbein, Hillary, 94, 104, 111, 112
Elias, Norbert, 70–71
Elicitation, 98, 177, 193, 310, 352
Ellicott, George, 17–18
Elis, Ori, 361
Elliot, Andrew, 129
Embarrassment, 54, 190, 192
Emblems, 88
Embodied empathy, 141
Embodiment, 138–140
Emotion(s):

- amygda, 172–173
- ancient Greeks’ view of, 12–15
- artistic approach to, 12, 15–18
- autonomic nervous system, 122–123
- awareness and subjective feeling, 183–184
- bodily approaches, 10
- and bodily changes, 120–122
- brain lesions and stimulation, 174
- brain science of, 19–21
- challenges, 172
- characterization, 6
- conceptualization, 156, 185–188
- consciousness of, 384–386
- definitions of, 5, 28, 29
- disorganized response, 144
- drawings and stickers, 86–87
- and emotional disorders, 350–352
- empirical inspirations for new science, 26–28
- evolutionary history of human, 41–49
- evolutionary approach to, 6–9
- expressed, 361–362
- expressions, 6, 26
- framework, 28–29, 177
- group and collective emotions, 248–251
- group-based emotions, 247–250
- human brain, 170, 173
- inflammation response, 132–134
- learning, 182–183
- limbic system, 174–175
- marriage, 234–237
- mood, see Mood
- and negotiation of social hierarchy, 54
- neuron, 172
- neurotransmitters, 171–172
- online platforms, 170
- philosophical approach to, 15–17
- physiological approaches to, 18–21
- positive, 27–28
- and power, 244–245
- psychological approaches to, 10–12, 22–23
- reflexes, 173
- relational, 61
- signals, neural implant, 170
- and social class, 245–247
- social pain, 190–191
- sociological approach to, 24–26
- specific patterns, brain activation, 192–195
- system, mammalian brain, 175–177
- theoretical approaches to, 28–29
- unfolding process of, 28–29
- Emotion accents, 112
- Emotional complexity, 65, 158
- Emotional conditioning, 178
- Emotional development, 201–227
- attachment, 288
- basic emotions, 202–206
- language and understanding of minds, 209–210
- programs optimizing, 303–306
- recognition of emotions, 210–217
- regulation of emotions, 218–224
- social emotions, 206–208
- temperament, 222–226
- theories of, 201–202
- Emotional disorders, 30, 338–363. See also Childhood disorders; specific disorders, e.g.: Depression
- cognitive biases in, 357
- depression and anxiety, 339
- environment, 344–346
- epidemiology of, 338–340, 346–349
- genetics, 343–344
- life events and difficulties, 346–349
- prevalence of, 339–340
- psychopathy, 360–361
- psychosomatic effects, 362–363
- relation between emotions and, 350–352
- schizophrenia, 361–362
- stress-diathesis hypothesis for, 343
- vulnerability factors with, 353–354
- and well-being, 370–372
- Emotional experience, 160–161
- comparing perspectives, 163–164
- cultural patterns, 69
- spatial arrangement, 164
- Emotional expressions, 33, 89–91
- anterior insular cortex, 135
- distinct emotions, 134
- interoception, 137–138
- representations of emotions, 135–137
- suppression, 165
- Emotional labor, 25–26
- Emotional intelligence, 113, 252
- Emotion coaching philosophy, 297
- Emotion congruence, 265
- Emotion contagion, 295
- Emotion dialect theory, 112
- Emotion-dismissing philosophies, 297
- Emotion dysregulation, 312
- Emotion-eliciting events, 28
- Emotion episodes, 30
- Emotion-focused therapy, 377–378, 380
- Emotion lexicon, 155–156
- Emotion recognition, 99–102
- Emotion regulation, see Regulation
- Emotion-related processes, 133
- Emotion-related prosody, 104
- Empathy, 20, 141, 189–190
- development, 301
- regions of brain, 21
- Empathy network, 21, 189
- The Emperor’s New Drugs: Exploding the Myth of Anti-depressants, 359
- Employment, 285
- Encoding hypothesis, 93
- Energization, 163
- Enervation, 163
- The enlightenment, 73
- Entorhinal cortex, 173
- Environmental risk:
  - children’s attachment, 291
  - emotionality, 286–287
  - multiple, 291
- Environment of evolutionary adaptedness, 41
  - human ancestry, 47–49
  - hunter-gatherer societies, 41–42
  - nonhuman primates, 43–47
- Epicureanism, 13–15, 256, 376, 389
- Epidemiology, of emotional disorders, 338–340, 343, 346–349
- Epigenetics, 39, 350
Feelings, as information, 264
Feldman-Barrett, Lisa, 102
Fiction, 274, 386–387
Fright and flight, 33, 126
Finkel, Eli, 232
First movements of emotion, 14, 145
Fischer, Agneta, 141, 251
Fitness (survivability), 34
Flirting, 26, 37
Flow, 369
Fluids, emotions as, 157
Fluoxetine, 360
fMRI, see Functional magnetic resonance imaging
Folk narratives, 386
Foot, P., 271
Fore, 94–95
Forebrain, 172, 174
Fugas, J., 259–260
Forgiveness, 236, 251
Foster care, 324–326
France, 346
Frankenstein (Mary Shelley), 74–75
Fredrickson, Barbara, 126
Free will, 387–389
Freud, Sigmund, 10–12, 368, 372–375
Fridlund, Alan, 96
Freud, Sigmund, 10–12, 368, 372–375
Fridlund, Alan, 96
Friendships, 54, 237–241, 369
Frijda, Nico, 6, 23, 149, 167
Gage, Phineas, 19–20, 140, 184
Galvanic skin response, 125, 140, 147
Gambling, 181
Gamma-amino butyric acid, 172
Ganzoga, Gian, 97
Gardner, William, 194
Gardiner, John, 190
Garfinkel, Sara, 137, 139
Gender:

differences, 36
mental illness, 339
and psychopathology, 312–313
Gene–environment correlation (rGE), 285, 286, 302
Gene–environment interaction, 320, 349–350
Genetic factors:

in attachment, 291–292
in depression, 349–350
and free will, 388–389
Genocide, 56, 72, 250, 387
Genome-wide association studies (GWAS), 320
Gentsch, Kornelia, 153
Germany, 346
Gestures, and recognition of emotion, 213–214
Gilbert, Paul, 242
Giudice, Marco Del, 350
Glucose, 130, 388
Goals, 256–258
Goal-congruent events (goal-incongruent events), 148
Goal-corrected partnership, 200
The Go-Between (L.P. Hartley), 69
Goffman, Erving, 24
Golden Record, 120
Goldin, Philippe, 187
Gonzaga, Gian, 97
Goodall, Jane, 44, 46
Graham, Jesse, 249
Graham, Martha, 114
Grandjean, David, 153
Gratitude, 238–239, 273, 378
The Great Train Robbery (film), 72
Greeks, ancient, 12–15, 144–145, 386
Greene, Joshua, 56, 251
Griffiths, Roland, 194
Grooming, 50, 108
Groups, 247–251
Group therapy, 382
Guilt, 158, 208
Gurakadj, 155
Gut feelings, 140–141
G/wi, 42

H
Habitation, 210–211
Habyarimana, Juvenal, 247
Haidt, J, 269–271
Halperin, Eran, 167
Hamlet, Shakespeare, 114
Happiness, 155, 302
components, 368
engagement, 368, 371
and emotional disorders, 352
facial expression for, 94, 146
four pillars, 383
in infants, 206
pleasures, 368
and well-being, 368
Hare, Brian, 51
Harlow, John, 19–22
Harry Potter and the Philosopher’s Stone (J.K. Rowling), 248
Hartley, L.P., 69
Harvey, William, 16
Hasham, 26, 241
Health anxiety, 382
Health behaviors, 302–303
Heart of Darkness (Joseph Conrad), 72–73
Heritability, 225, 320, 343–344
Hernandez-Lloredo, Maria, 51
Herrmann, Esther, 51
Hertensein, Matthew, 109
Hess, Ursula, 102, 109, 111, 112, 141
Heterotypic continuity, 329–330
Heuristic-appraisal processes, 269
Hierarchical relationships, 241–247
emotional displays in, 242–244
power in, 244–245
and social class, 245–247
Hierarchies, 45, 48
Hindbrain, 172
Hippocampus, 172, 322, 358
Histones, 39
Historical method, 69–70
Hitchcock, Alfred, 144
Hochschild, Arlie, 24–26
Holocaust, Nazi, 250
Homicide, rates, 71–72
Hominids, 50, 52
Homotypic continuity, 329
Hormones, 130, 132, 137
Horney, K., 382
Hostile attribution bias, 311
Hostility, 46
HPA axis, see Hypothalamic-pituitary-adrenal axis
5-HTT gene, 226
Huizinger, Johann, 70
Human ancestry, 47–49
Human body, see Bodily response
Human genes:
gift, 388
program, 38
robot-vehicles, 389
Human genome, 39
Human life, 365
cooperation, 366
modes and characteristics, 366
positive evaluations, 381
relatedness, 368–369
specific contributions, 366
Human vocal expression, 213
Hunter-gatherer societies, 41–42
friendships, 54
Huntington’s chorea, 174
Hutu, 247–248, 251
Hypervulnerability, 37
Hypomania, 341
Hypothalamic-pituitary-adrenal (HPA) axis, 130–132, 220, 240
Hypothalamus, 130, 132, 172–173, 178
I
Identity, 62–63
Ifaluk, 60, 61, 78
IJzenboorn, V., 291
Ilia (Homer), 386
Illustrators, 88, 89
Imbalance, emotional, 311
Immune system, 132–134, 220
Imprinting, 52
Impulse-control disorders, 339
Inagaki, Tristen, 182
Incentive functions, 110
Incidence, 110
Income inequality, 328–329, 344
Independent and interdependent selves, 63–65
India, 346
Individual differences, 283–284
and attachment, 287–292
and peers, 301–302
and personality traits, 284
and siblings, 300–301
Individual goals, 52
Infants. See also Emotional development
attachment styles in, 290
Japanese vs. American, 107
recognition of emotions in, 210–218
securely attached, 288
and touching, 109
Inflammation response, 133, 134
Influence, 255
Informational signaling, 257
Informative function, 110
Infrahumanization, 251
In-groups, 55, 272
collective emotion and preference, 55–57
intuitions, 272
In-group favoritism, 56
Inhibited children, 281
Inner conflict, 373
Inside Out (film), 4–5, 14
Insula, 166
Intentional objects, 156
Interactional synchrony, 292
Interdependence, 65
Interest, vocal expression for, 101
Intergenerational transmission, 298–299
Interleukin 6 (IL-6), 133
Internalizing, 310
International Classification of Diseases, 309
Interpersonal emotions, 61–62
Interpersonal relationships, and regulation, 361
Interpersonal role, 77
Interpretation, 11, 66, 112–113
Intersexual competition, 33–34
Intimate relationships, 230–237
marriage, 234–237
sexual love, 231–234
Intrasexual competition, 34
Intuitions:
fairness and justice, 272
harm and care, 271–272
in-groups and out-groups, 272
moral, 269–271
and principles, 269–272
spiritual and bodily purity, 272
status in hierarchies, 272
Inughuit, 371
Inuit, 111
Iowa Gambling Task, 140
IQ, 317
Isen, Alice, 27
Israeli–Palestinian conflict, 167
Izard, Cal, 182
Izard, Carroll, 93, 201
J
Jack, Rachael, 96, 97
Jahoda, M., 365
James, William, 10, 20, 120, 121–122, 135–138, 193, 194, 242, 265–266
James-Lange theory, 20
Japan, 66–67, 346
Japanese culture, 66
appraisal in, 154–155
emotional expression in, 112
Jealousy, 255
Jobs, Steve, 237
John-Anderson, Neha, 133, 246
Joint goals, 52
Jones, Matt, 86
Joy. See also Happiness
in babies, 202
and embodiment, 138
as emotion word, 156
J.S. (patient), 184
Jurors, 275
K
Kaling, Mindy, 5
Kangaroo Care, 305
Kaplan and Sadock’s Synopsis of Psychiatry, updated with DSM-5, 338
Kashdan, Todd, 158
Katharsis, 13, 116
Keegan, John, 72
Kenny, D., 286
Ker, 60, 61
Kidneys, 131
Kim, Heejung, 65
Kindling, 355
Kitayama, Shinobu, 78
Knowledge structures, 65
Kok, B. E., 126, 127
Konstan, David, 70
Kragel, Philip, 192
Kramer, L., 300
Kramer, Peter, 360
Kreibig, Sylvia, 125
Kring, Ann, 361
Kung, 42
L
LaBar, Kevin, 192
Language:
gestural actions, 49
nonverbal sounds, 49
Language, evolution of, 49–51
Language development, 296
Laryngopharynx, 103
Larynx, 103
Lateral orbitofrontal region, 173
Laughter, 239–240
Laucka, Petri, 104
Law, emotions and the, 273–275
Lazarus, Richard, 144
Learning, 372
LeDoux, Joseph, 178
Lee, Ang, 158
Leeper, Robert, 144
Leigh, Janet, 144
Leveling mechanisms, 48
Levine, L., 268
Lieberman, Matthew, 187
Limbic system, 173–175
Lindquist, Kristin, 192
Linehan, M., 377
Listening to Prozac (Peter Kramer), 360
Literature, emotions in, 386–387
Litost, 156
Locally rational emotion, 256
Longitudinal studies, 282
Loss:
and depression, 348, 350
of a role, 348
Love, 121, 229
compassionate, 237
and core affect, 163
displaying, 97
as emotion word, 155
and oxytocin, 175
passion, 24
romantic, 232–233
sexual, 231–233
Western ideal of, 75–77
Lovejoy, Owen, 230
Lutz, Catherine, 61–62, 78
Lyrical ballads (William Wordsworth), 73
M
Macaques, 46
MacLean-Panksepp conjecture, 175
MacLean, Paul, 175, 200
Magical transformation, 255
Magnetoencephalography (MEG), 172
Mahabharata, 286
Major depression (major depressive disorder), 334–342, 344, 348
Maladaptive person–context interactions, 314, 315
Malaysia, 155
Male, alpha, 45
Maltuss, T., 259
Maltreatment, child, 324
Mammalian brain, 182
adaptive behaviors, 175
hypotheses, 177
limbic system and regions, 175
neurochemicals, 176
oxytocin, 175–176
positive, 176–177
rodents, 175
and social system, 176
Mania, 102, 341, 352
Manic-depressive disorder, 341
Manilow, Barry, 98
Marienthal mill, 365
Marital conflict, 324–325
Markus, Hazel, 129
Marshall, Lorna, 62
Martin, L.L., 136
Maruskin, Laura, 129
Masai men, 372
Masuda, Takahiko, 66
Mauss, Iris, 135
Mayberg, Helen, 351
Maynard-Smith, John, 350
Maternal depression, 327
Maternal diet, preventions targeting, 304
McRae, Kateri, 167
Medial prefrontal cortex, 180, 181, 186
Medulla, 172
Mehta, Pranj, 242
Melo, Hans, 28
Memory, emotion-related biases, 267–268
Men, cultural difference, 78
Mental disorders, 346
Mental disorders, childhood, 309–310
Mental health, free will and, 388
Mental illness, 338
Mentalization, parental, 292
Mentalizing, 208
Mentalizing therapy, 375
Mesquita, Batja, 167
Metaphors, 156–157
Method acting, 25
A Midsummer-night’s Dream (William Shakespeare), 271
Milgram shock experiment, 387
Miller, Greg, 246
Mimicry, 239–240
Minangkabau, 125
Mindfulness-Based Stress Reduction, 383, 384
Mindfulness meditation, 379
Mindful practices, 385
Minimization of children’s emotions, 297
Missing heritability, 320
Modeling, 333
Mode of organization, 257
Modern Phineas Gages, 19, 20
Modular Approach to Therapy for Children (MATCH), 335
Moment-by-moment interactions, 241
Monkeys, 57, 174
Monogamy, 47
Monozygotic twins, 225, 319, 323
Mood:
classical economics, 259–260
Ultimatum Game, 259
Moral emotions, 109
Moral intuition, 271
Morality, 269
Moral judgment, 238, 269, 272
Moral Tribes (Joshua Greene), 56
Moving to Opportunity (MTO), study, 327
Muir, John, 128, 129
Multilevel perspective, 299, 314
Multisystemic treatment, 334
Muscatell, Keely, 140
Muscle movements, 138
Music, 115, 265, 387
Mutually rewarding orientation, 289–290
Maybridge, Eadweard, 184, 255
“My Oedipus Complex” (Frank O’Connor), 218
Mystery stories, 274
N
Naltrexone, 182
Narrative thinking, 384
Nasopharynx, 103
National Basketball Association, 108
Natural disasters, 356
Natural forces, emotions as, 156
Natural selection, 33–34
Natyasastra, 115, 117
Neanderthals, 48
Negative coercion cycle, 323
Negative emotion, 123–125, 280, 339, 362
Negative environments, adaptations to, 312
Negative life events, 283
Negative trauma, 147
Negativity bias, 216–217, 356
Neglect, 354
Nervous discharge, principle of, 91
Neuroaesthetics, 186
Neuroanatomy, 170
Neurobiological development of emotion regulation, 220–222
Neurochemicals, 171, 172, 175, 176, 183, 185, 320–321
Neuroendocrine system, 130, 132
Neuroimaging (neuroimaging studies), 172–173, 180, 188
Neurological factors, 322–323
Neuro-modulators, 172

Subject Index
Neurons, 170, 172
Neutral third party perspective, 305
New Hope project, 306
New Oxford Textbook of Psychiatry, 338
New Zealand, 339, 344
Niedenthal, Paula, 109, 141
Nigeria, 346
Nonverbal behavior, 88–91
Nonverbal communication, 88
Noradrenaline, 172
Novels, 386
Nucleus accumbens, 179, 180–182, 186, 322
Nummenmaa, Lauri, 136, 192
O
Obama, Barack, 274–275
Obligations of society, 273–274
Obsessions, 342
Occipital lobe, 173
Ochsner, Kevin, 185
O’Connor, Frank, 218
Olfactory bulb, 173
Openness, 282–283, 343
Opioids, 182
Opioid receptors, 181
Opponents, emotions as, 156
Oppositional defiant disorder (ODD), 310
Optimism, 263
Orbitofrontal cortex, 182–183, 255
Orbitofrontal region, 173, 188
Orchids, 286
Ordinarily Well (Peter Kramer), 360
Organizational signaling, 257
Outcomes, 314, 378–381
Out-groups: intuitions, 272
Oveis, Chris, 242
Ovulation, 232
Oxytocin, 38, 175–177, 226

P
Page, Tim, 229
Pain, 189, 190–191
Pair-bonding, 53
Panic attacks, 342
Panksepp, Jaak, 160, 170, 177–179, 192, 194
Papua New Guinea, 93
Paradigmatic thinking, 384–385
Paradigm scenarios, 158
Parasympathetic nervous system, 122, 220
Parental behaviors, attachment:
 awareness and accuracy, 292
biobehavioral synchronization, 292
mentalization, 292–293
mental state talk, 293
parental talk about emotions, 294
reflective capacity, 292–293
socialization, 295–299
Parental conflict, 331
Parental hostility, 323
Parental Meta-Emotion Philosophy (PMEP), 297
Parental sensitivity, 289–290
Parent–child interactions, 202
Parent–child relationship, 323
and intergenerational transmission, 298–299
Parenting:
differential, 300
education, 304
peers, 301–302
siblings, 300–301
social context, 302–303
stress, 327
Parent management training (PMT), 333
Parietal lobe, 173
Park, Bokyung, 113
Partner effect, 286
Passion, reason vs., 255–256
Pavlenko, Anna, 62
Pavlovian conditioning, 178
Peers, 301–302
Peptides, 172
Perceptual context, 102
Perceptual effects, 264–265
Perceptualmotor skills, 27
Periaqueductal gray, midbrain, 182–183
Personality traits, 30–31, 281
Petro, 314, 320, 322, 330, 335, 344, 350
Phelps, Elizabeth, 178
Phenylketonuria, 343
Phobias, 342
Physiological change, emotional regulation via, 219–220
Physiological differentiation, 123–125
Piff, Paul, 102
Pink, Steven, 71–72
Pituitary gland, 131
Placebos, 359
Play, in marriage, 235–236
Pleasure, 109–110, 202
Pong, 213–214
Politicians, 167
Political world:
income-inequality, 389
international relationships, 389
personal emotions, 389
Politics, 274
Polygenic effects, 343
Pons, 172
Porges, Steven, 126
Positive contagion, 295
Positive emotion, 125–126, 264, 280–281, 353
Positive parenting programs, 305
Positive states, 27
Positron emission tomography (PET), 172
Post-traumatic stress disorder, 342–343
Postures, and recognition of emotion, 213–214
Poverty, 346
Power, 241, 244–245
Praise of Folly, 270–271
Pranayama breathing, 138
Preece, David, 158
Prefrontal cortex, 167, 179, 180, 185–188, 322
Preoccupied style, 290
Prevalence, 312, 339–342
of bipolar disorder, 342
depression, 346
Pride, 99
bodily changes associated with, 134–138
development of, 209
and power, 242
Pride and Prejudice (Jane Austen), 232–233
Primary appraisal, 144, 145–147, 257
Primary emotions, 377
Primates:
 emotional vocalization in, 107
grooming in, 108
relatives, 43
Priming, 147
Principle of antithesis, 91
The Principles of Art, 114
Principle of nervous discharge, 91
Principle of serviceable habits, 91
Prosocial behavior, 207, 220
Prototypes, 157–158
Proximal factors, 299, 323
Prozac, 176, 359, 360
Psychiatric health care, 381
Psycho (film), 144
Psychoactive drugs, 162, 359
Psychoanalysis, 374–376
Psychological approach, 11–12, 22–23
Psychological approach, 11–12, 22–23
Psychological conditions, 116
Psychological therapy, mindfulness, 383
Psychometric assessment, 310
Psychoneuroimmunology, 362
Psychopathology, 309, 312–313
Psychopathology, 309.
See also Childhood psychopathology
abnormal emotions, 311–312
adaptations to negative environments, 312
alexithymia, 312
atypical emotional responses, 311
comorbidity, 313
emotional adaptation to negative environments, 312
emotion dysregulation, 312
genetics, 319–320
heterogeneity, 313
### Subject Index

<table>
<thead>
<tr>
<th>Term</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hostile attribution bias</td>
<td>311</td>
</tr>
<tr>
<td>Imbalance</td>
<td>311</td>
</tr>
<tr>
<td>Inappropriate emotional responses</td>
<td>311</td>
</tr>
<tr>
<td>Internalizing and externalizing</td>
<td>312–313</td>
</tr>
<tr>
<td>Internalizing and externalizing</td>
<td>312–313</td>
</tr>
<tr>
<td>p factor</td>
<td>314</td>
</tr>
<tr>
<td>Poor emotion regulation</td>
<td>311</td>
</tr>
<tr>
<td>Predominance of one emotion system</td>
<td>311</td>
</tr>
<tr>
<td>Transactional</td>
<td>314</td>
</tr>
<tr>
<td>Transdiagnostic models</td>
<td>314</td>
</tr>
<tr>
<td>Psychopathy</td>
<td>360–361</td>
</tr>
<tr>
<td>Psychosocial stressors</td>
<td>321</td>
</tr>
<tr>
<td>Psychosomatic effects</td>
<td>362–363</td>
</tr>
<tr>
<td>Psychotherapy</td>
<td>372–381</td>
</tr>
<tr>
<td>Anxiety disorders</td>
<td>381</td>
</tr>
<tr>
<td>Availability of</td>
<td>381–382</td>
</tr>
<tr>
<td>Cognitive-behavioral therapy</td>
<td>376–377</td>
</tr>
<tr>
<td>Depression</td>
<td>381</td>
</tr>
<tr>
<td>Emotion-focused therapy</td>
<td>377–378</td>
</tr>
<tr>
<td>Group therapy</td>
<td>382</td>
</tr>
<tr>
<td>Origins of</td>
<td>372, 373</td>
</tr>
<tr>
<td>Outcomes of</td>
<td>378–381</td>
</tr>
<tr>
<td>Psychoanalysis</td>
<td>374–376</td>
</tr>
<tr>
<td>Rogerian counseling</td>
<td>376</td>
</tr>
<tr>
<td>Self-analysis</td>
<td>382</td>
</tr>
<tr>
<td>Quantitative genetics</td>
<td>319</td>
</tr>
<tr>
<td>Quoidbach, Jordi</td>
<td>158</td>
</tr>
<tr>
<td>Ranehill, E.</td>
<td>137</td>
</tr>
<tr>
<td>Rapport</td>
<td>165</td>
</tr>
<tr>
<td>Rasas</td>
<td>116, 117</td>
</tr>
<tr>
<td>Rationality</td>
<td>256</td>
</tr>
<tr>
<td>Readiness</td>
<td>257</td>
</tr>
<tr>
<td>Reappraisal</td>
<td>167, 188</td>
</tr>
<tr>
<td>Reason, passion vs.</td>
<td>255–256</td>
</tr>
<tr>
<td>Recognition of emotions</td>
<td>210–217</td>
</tr>
<tr>
<td>Brain mechanisms and</td>
<td>216</td>
</tr>
<tr>
<td>Facial expressions and</td>
<td>211–213</td>
</tr>
<tr>
<td>Multimodal</td>
<td>214–216</td>
</tr>
<tr>
<td>And negativity bias</td>
<td>216–217</td>
</tr>
<tr>
<td>Postures/gestures and</td>
<td>213–214</td>
</tr>
<tr>
<td>Vocal expressions and</td>
<td>213</td>
</tr>
<tr>
<td>Reconciliation</td>
<td>251</td>
</tr>
<tr>
<td>Reflexes</td>
<td>173</td>
</tr>
<tr>
<td>Regret</td>
<td>208</td>
</tr>
<tr>
<td>Regulation</td>
<td>164–167</td>
</tr>
<tr>
<td>Defined</td>
<td>164</td>
</tr>
<tr>
<td>And emotional development</td>
<td>218–224</td>
</tr>
<tr>
<td>Emotion, prefrontal cortex regions</td>
<td>188–189</td>
</tr>
<tr>
<td>Of expressive behavior</td>
<td>111</td>
</tr>
<tr>
<td>And free will</td>
<td>387–389</td>
</tr>
<tr>
<td>And personality</td>
<td>284</td>
</tr>
<tr>
<td>Poor, in children</td>
<td>311</td>
</tr>
<tr>
<td>Regulators</td>
<td>88, 89</td>
</tr>
<tr>
<td>Regulatory balance</td>
<td>296</td>
</tr>
<tr>
<td>Relationships</td>
<td>287, 291</td>
</tr>
<tr>
<td>Schizophrenia</td>
<td>361–362</td>
</tr>
<tr>
<td>School-based social and emotional learning (SEL) programs</td>
<td>305</td>
</tr>
<tr>
<td>Scripts</td>
<td>157</td>
</tr>
<tr>
<td>Secondary appraisal</td>
<td>145, 148–154, 257</td>
</tr>
<tr>
<td>Second movements</td>
<td>14</td>
</tr>
<tr>
<td>Securely attached infants</td>
<td>288</td>
</tr>
<tr>
<td>Secure attachment</td>
<td>288, 291, 323</td>
</tr>
<tr>
<td>Selection</td>
<td>33</td>
</tr>
<tr>
<td>Selection effects</td>
<td>303</td>
</tr>
<tr>
<td>Selection pressures</td>
<td>33–35</td>
</tr>
<tr>
<td>Selective serotonin reuptake inhibitors (SSRIs)</td>
<td>359</td>
</tr>
<tr>
<td>Self-adaptors</td>
<td>89</td>
</tr>
<tr>
<td>Self-compassion</td>
<td>352</td>
</tr>
<tr>
<td>Self-conscious emotions</td>
<td>158, 206</td>
</tr>
<tr>
<td>Self-conscious evaluative emotions</td>
<td>208</td>
</tr>
<tr>
<td>Self-construal</td>
<td>64–65</td>
</tr>
<tr>
<td>Selfish gene</td>
<td>38</td>
</tr>
<tr>
<td>Sensitive period</td>
<td>325</td>
</tr>
<tr>
<td>Sentiment</td>
<td>30</td>
</tr>
<tr>
<td>Septum</td>
<td>179</td>
</tr>
<tr>
<td>Serotonin</td>
<td>172, 176, 226, 320, 359</td>
</tr>
<tr>
<td>Serotonin reuptake inhibitors</td>
<td>359</td>
</tr>
<tr>
<td>Serotonin transporter gene, see 5-HTT gene</td>
<td></td>
</tr>
<tr>
<td>Serviceable habits, principle of</td>
<td>91</td>
</tr>
<tr>
<td>SET (social evaluative threat)</td>
<td>133, 134</td>
</tr>
<tr>
<td>Sexual activity, in primates</td>
<td>45</td>
</tr>
<tr>
<td>Sexual attraction</td>
<td>34</td>
</tr>
<tr>
<td>Sexual intercourse</td>
<td>234</td>
</tr>
<tr>
<td>Sexual love</td>
<td>231–234</td>
</tr>
<tr>
<td>Shakespeare, William</td>
<td>24, 271, 386</td>
</tr>
<tr>
<td>Shame</td>
<td>54, 158</td>
</tr>
<tr>
<td>Bodily changes associated with</td>
<td>134–138</td>
</tr>
<tr>
<td>Development of</td>
<td>209</td>
</tr>
<tr>
<td>Vocal expression for</td>
<td>104</td>
</tr>
<tr>
<td>Shared intentionality</td>
<td>273</td>
</tr>
<tr>
<td>Shared thinking:</td>
<td>273</td>
</tr>
<tr>
<td>And cooperation</td>
<td>287, 292</td>
</tr>
<tr>
<td>Parental sensitivity</td>
<td>289–290</td>
</tr>
<tr>
<td>Sharing, verbal</td>
<td>154–160</td>
</tr>
<tr>
<td>Shelley, Mary</td>
<td>74</td>
</tr>
<tr>
<td>Shioti, Michelle</td>
<td>125</td>
</tr>
<tr>
<td>Siblings</td>
<td>300–301</td>
</tr>
<tr>
<td>Differential parenting on</td>
<td>323</td>
</tr>
<tr>
<td>Simpson, Jeff</td>
<td>232</td>
</tr>
<tr>
<td>Sin</td>
<td>15, 77</td>
</tr>
<tr>
<td>Singer, Peter</td>
<td>49</td>
</tr>
<tr>
<td>Singer, Tania</td>
<td>21, 187, 195, 260, 271</td>
</tr>
<tr>
<td>Situation, changing the</td>
<td>219</td>
</tr>
<tr>
<td>Smallwood, Jonathan</td>
<td>194</td>
</tr>
<tr>
<td>Smiling</td>
<td>110, 136, 202, 229, 244, 281</td>
</tr>
<tr>
<td>Smith, Phyllis</td>
<td>5</td>
</tr>
<tr>
<td>Social Brain</td>
<td>27</td>
</tr>
<tr>
<td>Social class</td>
<td>245–247</td>
</tr>
<tr>
<td>Social emotions</td>
<td>206–208</td>
</tr>
<tr>
<td>Social evaluative threat (SET)</td>
<td>134</td>
</tr>
<tr>
<td>Social inequality</td>
<td>344</td>
</tr>
<tr>
<td>Social interaction, coordination of</td>
<td>110</td>
</tr>
<tr>
<td>Socialization effects</td>
<td>303</td>
</tr>
</tbody>
</table>
Social motivations, 348
Social rank theory, 242
Social referencing, 211
Social relationships, 52
  and emotional intelligence, 252
  friendships, 237–241
  groups, 247–248
  hierarchical relationships, 241–247
  intimate relationships, 230–237
Social Relations Model, 286
Social rituals, 243
Social role, 24
Social sharing, 155
Social skills, 209, 294, 301
Social support:
  and depression, 242
  from friends, 240–241
Socioeconomic conditions, 328–329
Sociological approach, 24
Sociopathy, acquired, 184
Somatic marker hypothesis, 140
South Africa, 251
Sperry, Roger, 27
Spinal cord, 122
Split brain operations, 27
Spontaneous emotion, 135
Spreng, Nathan, 194
Sroufe, Alan., 314
Srebrenica, Bosnia, 250
SSRIs (selective serotonin reuptake inhibitors), 359
Stace, Walter, 194
Stanford Prison Experiment, 387, 388
Starr, Gabrielle, 194
Status:
  and facial expression, 97, 98
  and hierarchical relationships, 241–247
stellar, Jennifer, 126, 133
Steph, S., 136
Stephen, P., 126
Stoicism, 13–15, 56, 256, 376
Stonewalling, 235
Stories, 386
Strack, F., 136
Strange Situation test, 288
Stress, 130–131, 241
Stress-diathesis hypothesis, 343
Stress reactions, 302
Striatal region, 174
Striatum, 180
Styles of processing, 263–264
Subcortical processes, 177–183
Submissive emotions, 133
Substance use disorders, 339–340
Sucrose, 181
Sumerians, 386
Superabundance, 33
Support:
  parental, 321
  social, 240–241, 353
  Suppression, emotional, 166
  Surprise, 155
  facial expression for, 94
  Susceptibility, differential, 318
  Sweden, 379
  Sympathetic nervous system, 122, 138
  Sympathy, 21
  Synapses, 170
  Synchronization, 292
  System 1, 263–264, 270
  System 2, 263–264, 270
  Systems models, 318
  Szycer, Daniel, 242
T
  Tactile communication, 107
  Tahiti, 156
  Taiwanese, 155
  Tannen, Deborah, 78
  Taste, sense of, 35
  Teasing, 34, 48, 188, 244
  Temperament, 31, 222–226, 280, 317, 371
  a ge-related changes in, 284–285
  to personality, 282–283
  Temperamental traits, 302
  Temporal lobe, 173
  Temporal regions, 193
  Testosterone, 132, 177, 242
  Thalamus, 172, 174, 178
  Theories of emotion, 28–29, 201–202
  Theory of mind, 189, 209
  Theory-of-mind network, 189
  Therapists of Desire (Martha Nussbaum), 15
  Thrash, Todd, 129
  Thick descriptions, 60
  Things Fall Apart (Chinua Achebe), 73
  Ticks, 256–257
  TMS (transcranial magnetic stimulation), 172
  Todas, 67
  Tomassello, Michael, 51, 200
  Tomkins, Sylvan, 22–23, 93, 134
  Touch, communication by, 108–109
  Toxic emotional behaviors, 235
  Trachea, 103
  Tracy, Jessica, 99, 243
  Tranquilizers, 374
  Transdiagnostic models, 335
  Transcranial magnetic stimulation (TMS), 172
  Transference, 374–376
  Trauma, 147, 343, 373
  Traumatic events, 373
  Treasure of the Sierra Madre (film), 189
  Tribalism, 47, 49
  Trier Social Stress Task, 130, 131
  Triple-P program, see Positive parenting programs
  “Trolleyology,” 271
  Trust, 110, 184, 232, 239, 260, 274, 282, 290, 328, 345–346
  Tsai, Jeanne, 68, 111, 113
  Tutsi, 247, 251
  Twin studies, 225, 292, 319–320, 349
U
  Uganda, 52
  Ultimatum Game, 259
  Unconditioned stimulus, 178
  Unconscious processes, 265
  Undesirable social attention, 127
  United States:
    income inequality in, 345
    prevalence of mental disorders in, 346
  Up (film), 4
  Ur-emotions, 149, 161
  Urgency, 6
  Us-versus-them thinking, 251
V
  Vagal complex, 126
  Vagal tone, 126, 127, 317
  Vagus nerve, 126, 137, 138
  Valdesolo, Piercarlo, 249
  Valence, 192
  Value-based emotions, 61–62
  Values, 67–69
  Van de Ven, Niels, 243
  van Dijk, Corine, 128
  Variation, 33, 320
  patterns of, 152–154
  The Varieties of Religious Experience (William James), 369, 382
  Veiled Sentiments (Abu-Lughod, Lila), 26
  Vervet monkeys, 106, 107
  Ventral medial prefrontal cortex, 180
  Ventral striatum, 180, 240
  Ventral tegmental area (VTA), 179
  Ventral vagal complex, 126
  Verbal sharing, 154–159
  Vertigo (film), 154
  Violence, 71–72
  interpersonal, 75
  Violent crime, 330
  Visual cortex, 177, 186
  Vocal apparatus, 103
  Vocal bursts, 104
  Vocal communication, 102–107
  Vocal cord, 103
  Vocal expressions, and recognition of emotion, 213
  Voice, communication of emotions with, 104–107
  Voles, 175
  Vrshek-Schallhorn, Suzanne, 349
  VTA (ventral tegmental area), 179
Subject Index

W
Wagenmakers, E. J, 136
Wagner, Richard, 115
Walden Two (B.F. Skinner), 18
The Waning of the Middle Ages
(Johann Huizinger), 70
Wanting, liking vs., 181
War trauma, 343
Wealth, 371
Welcome to the Sticks (film), 159–160
Well-being, 370–372
Well-being therapy, 378
Wheatley, Talia, 115
Whitehall Studies, 362
Whitman, Walt, 54
Whittle, Sarah, 193
Winkielman, Piotr, 141, 146
Wolfe, Tom, 341
Women, cultural difference, 78
Wood, Adrienne, 104
Work, 5
World Health Organization
(WHO), 326, 340
Wordsworth, William, 73
World War II, 23, 72, 283, 343, 387
Wozniak, David, 237
Y
Yahweh, 386
Yanomamö, 242
You Just Don’t Understand
(Deborah Tannen), 78
Z
Zajonc, Robert, 146
Zimbabwe, 346