

Index

Abele, Andrea, 371-372 Abelson, Robert, 370-371 acoustic startle reflex, 16-19 ACT. See Adaptive Control of Thought action stage, 466-468 actor-observer difference, 306-307 Actors and Observers: Divergent Perceptions of the Causes of Behavior (Nisbett and Jones), 306 Adaptive Control of Thought (ACT), 163-165 adaptive unconscious, 268-270 Addis, Donna Rose, 150 Addison, Wesley, 482-483 Adler, Nancy, 34, 482-483 adolescence-limited antisocial behavior, 254 adult cognitive development, 218-221 Advances in Social Psychology, 306-307 AESOP. See Affective Extension of SOP affect, 320 development of model, 320-321 emotion and, 336-340 future directions for, 323-324 PANAS and, 322-323 subsequent work and, 323-324 two-factor model of, 321-322 affect heuristic, 174, 181-182 affect-as-information theory, 336-337, 338-339 Affective Extension of SOP (AESOP), 159 agentic qualities, 367 aggression, 237-238, 295, 327-331, 332–335, 457–461 aging, 214-217, 250-251 AI. See artificial intelligence AIDS, 328-329, 353-354, 424-426 Akelaitis, Andrew, 25-26 Alexander, Michelle, 370-371 Allan, Lorraine, 158-159 Allfrey, Vincent, 34 allocentrics, 414

allostasis, 32-34 allostatic load, 32-34, 35-36 allostatic overload, 32-34, 35-36 Alzheimer's disease, 64-65, 115, 219-220 Amabile, Teresa, 490-491, 493-494 ambiguity, 489 American Sign Language (ASL), 210-212 amnesia, 55, 66-67, 154-155 amygdala, 29-31, 67, 261-263 extinction and, 18 memory consolidation and, 50-51 startle reflex and, 17-18 The Analysis of Subjective Culture (Yasumasa, Shanmugam, Vassiliou and Triandis), 414 analytical intelligence, 183-184, 185, 487-488 anchoring effects, 173-174 Anderson, James, 141, 142 anger, 332-333, 334-335 anterograde amnesia, 55 antisocial behavior, 457-461 anxiety, 16-18, 253, 258, 447-448 disorders, 453-456 GAD, 303-304 social, 262-263 Aristotle, 281-282 Aronson, Elliot, 389, 493 artificial intelligence (AI), 163, 209, 337-338 artificial speech coding, 37-38 artistic creativity, 275-277 Asch, Solomon, 370-371 ASL. See American Sign Language assimilation, 362-363 associative learning, 156-159 Atkinson, R. C., 117-118, 275-276 Atta, Mohammed, 414-415 attachment theory, 242-243 attention, 58, 104-107, 130 attentional blink, 106-107 attentional control, 119

497



498 Index

attentional processes, 235–236 attribution theory, 276 autism, 431–434 automatically elicited aggression, 332–335 automatism, 104–107 autonomic nervous system, 14–15 autonomy, 291, 311–313 availability heuristic, 172–174 Awh, Ed, 90

Bacon, Francis, 49, 51-52 Baillargeon, Renee, 229-230 Bandura, Albert, 329-330 Baron-Cohen, Simon, 432-433 Bartlett, F. C., 138 Batson, Daniel, 258 Baumeister, Roy, 285-286, 479-480 Bayer, Dewey, 275-276, 278 Bayesian modeling, 116-117 Beck, Aaron, 435-436 Beckett, Samuel, xxi-xxii behavior therapy, 446-447 behavioral genetics, 73-76, 82-83 behavioral neuroscience, 46 behavioral self-regulation, 316-319 behaviorism, 28 Bell Curve (Herrnstein and Murray), 74 Bellugi, Ursula, 210 Beloff, Hanna, 297-298 Bem, Daryl, 276, 278 Berkowitz, Leonard, 329-330 Berman, Marc, 89-91 Berntson, Gary, 45-46 Berscheid, Ellen, 380, 389 The Better Angels of Our Nature: Why Violence Has Declined (Pinker), 409, Beyond Freedom and Dignity (Skinner), 356 biases, 125, 171-174, 402, 438-439 Bickhard, Mark, 284 binding problem, 108-109 biomarkers, 250 Birren, James, 220 The Blank Slate: The Modern Denial of Human Nature (Pinker), 410-411 Bobo Doll studies, 237-239 bodily kinesthetic intelligence, 299 Bogen, Joseph E., 24-26 Bohr, Niels, xxi-xxii Botwinick, Jack, 220 Bower, Gordon, 3, 117, 163-164 brain imaging, 58-61, 154-155, 209. See also functional magnetic resonance imaging brain injury, 120-121, 211-212

brain localization, 58-59, 60 brain mechanisms, 95-97 brain plasticity, 37-41 brain plasticity-based medicine, 40 brain training, 92 Bransford, John, 132-133 Brenneman, Kim, 202-203 Brewer, Marilynn, 370-371 Brinley, J. F., 214-215 Broadbent, Donald, 128-130 Broca's area, 209 Brock, Tim, 373-374 Bronté, Charlotte, 270-271 Brown, Anna, 198-199 Brown, Roger, 170 Brownell, Hiram, 167-168 Bruner, Jerome, 3-4, 189-190 Bryan, William Lowe, 107 Buschkuehl, Martin, 91-92 Bushman, Brad, 330 Buss, Arnie, 317-318 Byrne, Donn, 338

Cacioppo, John, 373-375 California Personality Inventory, 389-390 Cambridge Neuropsychological Test Automated Battery (CANTAB), 63 - 64cardiovascular disease (CVD), 473-477 Carli, Linda, 368 Carlin, George, 309 Carnegie, Dale, 380 Carr, Priyanka, 295 carrot-and-stick approach, 289-290 Carver, Chuck, 316, 318 cascade model, 141 Caspi, Avshalom, 253 catharsis theory, 237-238 cathexis, 395-396 Cattell, Raymond, 297-298, 413-414 causal representations, 191-192 central coherence, 431-432 central executive, 120-121 cerebral cortex, 12-13, 58-59 Chaiken, Shelly, 358, 365 Chase, William, 140 Chase-Lansdale, Lindsay, 247 CHD. See coronary heart disease Chen, Edith, 475-476 Chesney, Dana, 202-203 childbearing, 244-245, 246-247 children with antisocial behavior, 457-461 autism and, 431-434 change and, 223



Index 499

creativity of, 276-277 commonness, 307-308 developmental plasticity and, 211-212 communal qualities, 367 communication skills, 489 empathy-related responding in, 256-259 poverty and, 20-23 comorbidity, 441, 442-443 real representations and, 202-204 companionate love, 380-381 schizophrenia and, 252 competence, 290-291, 369-372 with severe aggression, 457-461 componential theory of creativity, 277-278 source misattributions and, 194-197 comprehension, 175 strategic variability and, 225 CI model of, 177 future of, 178 theory-of-mind development and, 198-201 knowledge structures and, 178 violence and, 440-441 meaning in memory and, 176 Chomsky, Noam, 189-190, 206-207, of text, 176-177 409-410 computer-tailored interventions CI. See construction-integration model (CTIs), 469 Cialdini, Robert, 373-374 concept formation, 62 conceptual changes, 190, 192 Cimpian, Andrei, 294-295 citizenship, 347 conceptual development, 192 Clark, Herbert, 140 conditioned response (CR), 156-157 Clark, Lee Anna, 320-321, 322-323 conditioned stimulus (CS), 156, 157 Clark, Robert, 69 conduct disorder, 457-458 classical eyeblink conditioning, 67-68 conflict resolution, 396-397 classroom atmosphere, 352-354 confounders, 21-22 clinical depression, 435–439 connections, 140-143 clinical epidemiology, 443-444 Connell, James, 313 conscientiousness, 251 clinical trials, 455-456 Clore, Gerald L., 336 conscious awareness, 268-269 Coates, Tom, 424-425 conscious experiences, 28-29 cognitive abilities, 83-84, 228-231 conscious mind, 264-267 cognitive aging, 214-217 conscious thought, intentional, 356 Cognitive Bias Modification, 438-439 consciousness, 12-13, 30, 200, 356-357 cognitive control, 89-92 consensual assessment technique for cognitive development, 198-201, 218-221, creativity, 276-277 223-224 consistent mapping, 105-106 cognitive dissonance, 351-352, construction-integration model (CI), of 353-354, 375 comprehension, 177 cognitive evaluation theory, 291-292 constructive episodic simulation cognitive flexibility, in PFC, 62-65 hypothesis, 150-151 cognitive intervention studies, 219-220 constructive processes, in memory, cognitive processes, unconscious, 264-266 132 - 133Cognitive Psychology (Neisser), 356 contemplation stage, 466-467 cognitive science, 28 control, 311 cognitive skills, 236 ACT, 163-165 cognitive theory of depression, 435-436 attentional, 119 cognitive training studies, 218-219 cognitive, 89-92 cognitive-neoassociation model of EPIC, 97 aversively stimulated events, 334 feedback, 285 Cohen, Neal, 67-68 self-control, 251, 285-287, 313 Cohen, Sheldon, 317-318 theory of, 316 collaborative skills, 488-489 Coombs, Clyde, 94, 179 collaborators, 190-191 Cooper, Lynn, 101-102 collectivism, 414 cooperation, 395-396 Collins, A., 336 coping research, 424-425, 426-427 common cold, 419-420, 421 Corbetta, Maurizio, 60 common method variance, 435-436 core knowledge, 230-231



500 Index

Corkin, Suzanne, 54 coronary heart disease (CHD), 318, 473 correspondent inference, 306-307 cortical representations, 38 cortical sensory inputs, 29-30 cortisol, 32, 33, 50-51, 421-422 Cottrell, Cathy, 371-372 CR. See conditioned response Craske, Michelle, 455 creative intelligence, 183-184, 185 creative thinking, 99-100 creativity, 184-185, 254, 343-344 artistic, 275-277 modeling and, 236-237 motivation for, 275-278 tests, 56-57 Crick, Francis, xxi-xxii Crick, Nicki, 329-330 Cronbach, Lee, 413-415 Crovitz, Herbert, 148 Crude Law of Social Relations, 397 CS. See conditioned stimulus CTIs. See computer-tailored interventions cultural neuroscience, 402-403 culture, 405-408, 413 curiosity, 379-380, 488 CVD. See cardiovascular disease

Darwin, Charles, 82, 260, 383, 386-387, 410-411 Davis, Michael, 306-307 de Charms, Richard, 290-291 deadlines, 276 Deaf communities, 210-212 Deci, Edward, 311-312 declarative learning, 22-23 declarative memory, 67-69 Deese, James, 144-145 Deese-Roediger-McDermott paradigm (DRM), 144-147 Degas, Edgar, 202 DeJong, William, 276 Deldin, Patty, 90-91 deletion method, 46-47 dementia, 51-52, 63 depression, 66-67, 253, 262-263, 295, 304 clinical, 435-439 major depressive disorder, 90-91 Descartes, René, 50, 51-52 Deutsch, Morton, 397, 494-495 developmental plasticity, 210-212 developmental psychology, 476-477 developmental studies, 60-61

developmentally regulated plasticity, 211

Diagnostic and Statistical Manual (DSM), 448 dichotic listening, 356-357 DiClemente, Carlo, 467-468 Diener, E., xxv, 6, 93-94 differentiation, need for, 361-362 Dion, Karen, 381-382 discrimination learning, 63 disease, 421-422. See also specific diseases dissociation, 13-14, 63, 154-155 Dodge, Kenneth, 329-330 Dollard, John, 332, 333-334 Doob, Leonard, 332, 333-334 dopamine, 65, 158-159, 246 double dissociation, 63 Douvan, Elizabeth, 441 Draper, Pat, 240-241 dreams, 99-100 DRM. See Deese-Roediger-McDermott paradigm drug enhancement, of memory consolidation, 49-50 DSM. See Diagnostic and Statistical Manual Duval, Shelley, 283-284 Dweck, Carol, 299-300, 494-495 dyslexia, 83-84, 120-121

Eagly, Alice S., 365 ECA. See Epidemiologic Catchment Area ECT. See electroconvulsive therapy eds. See extra-dimensional shifts education, 343-344 Edwards, Ward, 179 EEG. See electroencephalogram EFA. See exploratory factor analysis effective action, 395-396 Eimas, Peter, 206-207 Einstein, Albert, 260 Eisenberg, Nancy, 285 Eisenberger, Naomi, 483 Eisenberger, Robert, 277-278 Elaboration Likelihood Model (ELM), 374-376 electroconvulsive therapy (ECT), 66-67 electroencephalogram (EEG), 402-403 ELM. See Elaboration Likelihood Model eminence, 3, 487 impact and, 3-4 measurement of, 6-7 quality and, 4-5 quantity and, 5 visibility and, 5-6 emotion, 11-15, 28-29, 336-340, 424-425, 426-427



Index 501

emotional arousal, 50-52, 195-196 emotional diary, 123-124 emotional feelings, 12 emotional insight, 445-446 emotional intelligence, xxiii, 169-170 emotional learning, 236 emotional responses, 29-30 emotionally biased thinking, 125 emotionally colored cognition, 123 conclusion to, 126-127 emotionally biased thinking and, 125 like-minded individuals and, 125 mood-congruent evaluation and, 125-126 mood-congruent memory and, 124 mood-dependent memory retrieval and, 123 - 124moods influencing life decisions and, 126 emotion-related self-regulation, 256-259 empathy-related responding, 256-259 endophenotype, 78-80 enjoyment, 341-344 entity theory, 299-300 environment, 83-85, 237 genotype-environment correlation, 83-84 GxE, 252 social-environmental variables, 218-219 EPD theory. See Experience Producing Drive Theory EPIC. See Executive-Process Interactive Control Epidemiologic Catchment Area (ECA), 441 epigenetics (gene expression), 32, 34, 35 episodic buffer, 120-121 episodic memory, 55-57, 150, 152-155 Equity theory, 391 ERPs. See event-related potentials ESM. See Experience Sampling Method Estes, William, 34 ethics, scientific, 7 ethnocentrism, 360-363 event-related potentials (ERPs), 20 evolution, 82, 223 exclusion, 362-363 executive functions, 63-65 Executive-Process Interactive Control (EPIC), 97 Expanded Form of the PANAS (PANAS-X), 323 Experience Producing Drive Theory (EPD theory), 73-74 Experience Sampling Method (ESM), 341 experimental distinction, 18 explicit memory, 149

exploratory factor analysis (EFA), 321 exposure therapy, 454-455 expressive writing, 465 external memory aids, 115 external regulation, 313 externalizing mental disorders, 253 externalizing problems, 256 extra-dimensional shifts (eds), 62-65 extrinsic motivation, 288-289 extrinsic motivators, 276 failure problems, 293-294 Falconer, D., 79-80 false consensus effect, 307-308 false memories, 117, 132-135, 138-139, 144-145, 196-197 familiarity, 116-117 favoritism, 360-361 Fazio, Russell, 358 fear, 16-19, 447-448 fear conditioning, 16-18, 28-30 fear-potentiated startle, 16-18 feature-integration theory, 110-111 feedback, 289-290, 300, 302-303 feedback control, 285 feelingness, 13 feelings. See emotion Festinger, Leon, 351, 389 Feynman, Richard, 75-76 Fiedler, Fred, 413-414 filter theory, 128-130 first languages, 211 Fischhoff, Baruch, 172-173, 179-180 Fisher, Ronald, 75-76 Fiske, Susan, 481-482, 495 Fitts, Paul, 94 Fitts' Law, 97 fixed mindset, 293-294, 296 Flavell, Eleanor, 199 flight/fight reaction, 453-454 flow, 341, 343-344 fluid intelligence, 92 fMRI. See functional magnetic resonance imaging Folkways (Sumner), 360 Fooling Ourselves: Self-Deception in Politics, Religion, and Terrorism (Triandis), 415-416 Fowler, Ray, 478-479 Fox, Nathan, 262-263 Frames of Mind: The Theory of Multiple Intelligences, 169-170 framing development, 240-241 Franklin, Benjamin, 308-309

Frederick, Shane, 173-174



502 Index

free recall, 117-118, 144-145 free-floating features, 108-109, 110-111 Freud, Sigmund, 268-269, 281-282, 301, 445-446, 467-468 Friedman, Meyer, 473 Frith, Chris, 432-433 Fuller, John L., 74-75 functional brain imaging techniques, 154-155 functional magnetic resonance imaging (fMRI), 20, 91, 150, 391-392, 436, 447-448 fundamental attribution error, 306-307 Fundamental Issues in Associative Learning, 156 Furstenberg, Frank, 246-247 Gabrieli, John, 436-437 GAD. See generalized anxiety disorder Gage, Phineas, 46-47 Gallo, Linda, 475-476 GAM. See General Aggression Model Gardner, Howard, 489, 493-494 Gazzaniga, Mike, 28-29, 58-59 Geen, Russell, 329-330 Gelfand, Michele, 414-415 Gelman, Rochel, 190-191 gender, 365-368, 370 gene expression (epigenetics), 32, 34, 35 gene-environment interaction (GxE), 252 General Aggression Model (GAM), 327-328, 329-331 general influences, 216-217 general intelligence, 63-64 generalized anxiety disorder (GAD), 303-304 genes, 402-403 genotype, 79 genotype-environment correlation, 83-84 Getzels, Jacob W., 343 Ghiselin, Brewster, 266 Gibson, Eleanor, 228 Gillund, G., 116-117 Gilovich, Tom, 308, 309 Glass, David, 473-474 Glick, Peter, 370-371 Goleman, Daniel, 169-170 Gollwitzer, Peter, 358 Good, Catherine, 295 Google Scholar, 321-322 Google Streetview, 254 Gorbachev, Mikhail, 136 Gotlib, Ian, 90-91

Graf, Peter, 149 Grant, David, 62 gratification, delaying, 91 Green, Frances, 199 Greene, David, 307-308 Greenwald, Tony, 373-374 Griffin, Donald, 34 Gross, James, 285 growth mindset, 293-294, 295-296, 494-495 Gryskiewicz, Stanley, 277-278 Guthrie, Edwin, 163-164 GxE. See gene-environment interaction habit learning, 67–68 habituation, 158-159 habituation curves, 16 HAM. See Human Associative Memory Hamilton Rating Scale for Depression (HAMD), 443 Handbook of Social Psychological Theories (Van Lange, Kruglanski and Higgins), 414–415 happiness, 345–346 beneficial outcomes of, 346 exciting findings of, 347-348 unknowns of, 347 Hart, Hallam, 21 Hashtroudi, Shahin, 133-134 Hatfield, Elaine, 380, 381-382 health, 346 behaviors, 218-219 psychology, 481 risk behaviors, 466 Hebb, Donald, 54-55 Hemingway, Ernest, xxi-xxii Hennessey, Beth, 276-277 heritability, 83-84 Hermelin, Beate, 431 Herrnstein, Richard, 74, 170 heuristics, 171-174 affect, 174, 181-182 availability, 172-174 representativeness, 171-172, 173-174 hidden aging, 250-251 hierarchical organization, 285 Higgins, E. T., 414-415 higher-quality learning, 288-289 Hilgard, Ernest, 275-276 Hilgard and Marquis' Conditioning and Learning (Kimble), 158-159 h-index, 6-7 Hinton, Geoffrey, 142 hippocampus, 22-23, 32, 33. See also

memory consolidation

Gottesman, Irving, 74–75 Gough, Harrison, 74



Index 503

Hitch, Graham, 119-120 infants, 191-192, 260-262, 263. See also HIV/AIDS, 328-329, 353-354, children 424-426 cognitive abilities of, 228-231 homeostatic feelings, 11-12, 13 developmental plasticity and, 211-212 language and, 206-209 $homo\ psychologicus,\ 479-480$ horizontal cultures, 414-415 inference processes, 265-266 infinitesimal model, 75-76 hormones changes in, 367-368 inflammation, 421-422 gene expression and, 32 in-groups, 360-361, 362-363, 370 sex, 33 Inhelder, Barbel, 189-190 stress, 32-33, 50, 51-52 inner processes, serving interpersonal House, James, 440-441 functions, 279-282 House, Pam, 307-308 Institute for Scientific Information, 149 How the Mind Works (Pinker), 410-411 Institute of Cognitive Science, 175 How to Win Friends and Influence People Institute of Personality and Social (Carnegie), 380 Research, 74 Huber, D. E., 116-117 Institute of Personality Assessment and Huesmann, Rowell, 329-330 Research (IPAR), 74 Human Associative Memory (HAM), insulin, 33 163-164 The Integrated Mind (LeDoux and human nature, 281-282, 410-411 Gazzaniga), 28-29 human potential project, 168-169 integrative neuroscience, 37 Humphreys, Lloyd, 413–414 Hunstinger, Jeffery, 336–337 intellectual courage, 488-489 intellectual curiosity, 488 Hunt, Joe McVicker, 413-414 intellectual honesty, 488 Huntington's disease, 64-65 intellectual risks, 488-489 Hyman, Steve, 478 intellectual virtues, 94 hyperactivity, 83-84 intelligence, 83-84, 183-186 hypocrisy paradigm, 354 AI, 163, 209, 337-338 hypothetical constructs, 445 analytical, 183-184, 185, 487-488 bodily-kinesthetic, 299 i-10 index, 6-7 building blocks of, 219-220 identification, 313-314 creative, 183-184, 185 identity, 279-280 emotional, xxiii, 169-170 social identity, optimal distinctiveness fluid, 92 general, 63-64 theory of, 360-363 idiocentrics, 414 interpersonal, 169-170 ids. See intra-dimensional shifts intrapersonal, 169-170 Illinois Institute of Technology, 77 multiple, 167-170, 297-299 imagery, 99-100 practical, 183-184, 185-186 Images of Mind (Raichle), 60 self-estimated, 298-299 imagination, 134 social, 169-170, 495 immigration, 211, 370 triarchic theory of, 183-184 immune system, 419-420 verbal, 299 implicit learning, 207-208 intelligence quotient (IQ), 74-75, 183, implicit memory, 148-149 297-298, 299 inclusion, need for, 361-362 intentional conscious thought, 356 The Incredible Shrinking Man (film), interdependence, 397 356-357 interdependent model of self, 407 independence, 407-408 internal attributes, xxi independent model of self, 407 internalization, 313-315 individual agency, xxi internalizing mental disorders, 253 individualism, 414-415 internalizing problems, 256

International Congress of

Gerontology, 220

inducibility, 395-396

ineffective action, 395-396



504 Index

International Mate Selection Project, judicial workshops, 196-197 383-384 Jung, C. G., 342-343 International Positive Psychology Association (IPPA), 343-344 Kaas, Jon, 38 Kahana, Mike, 116-117 interoception, 11-12 interpersonal attraction, 379, 380-381 Kahneman, Daniel, 95-96, 106-107, Interpersonal Attraction (Berscheid and 179-180, 228 Hatfield), 380 Kamin, Leon, 156-158 interpersonal functions, inner processes Kamins, Melissa, 294-295 serving, 279-282 Kasperson, Roger, 181 interpersonal intelligence, 169-170 Kaufman, James, 3-4 Kearsely, Richard, 260-261 interviewer training, 196-197 intra-dimensional shifts (ids), 62-63, Kelley, Harold, 306-307, 389 64 - 65Kellman, Philip, 228-229 intrinsic motivation, 276, 288-289, Kemeny, Margaret, 481–482 311-314 Keppel, Geoff, 132 basic psychological needs and, 290-291 Khan Academy, 294-295 cognitive evaluation theory and, 291-292 Kieras, David, 95, 97 enhancement of, 289-290 Kiesler, Chuck, 481-482 principle of creativity, 276-277 Kihlstrom, John, 495 undermining effect of, 289-290 Kimble, Gregory, 158-159 introjection, 313 Kinder, Donald, 370-371 intuition, 200 Kinds of Minds, 168-169 intuitive statistical thinking, 171-172 kinematic geometry, 102 Inventory of Depressive Kitayama, Shinobu, 402-403, 406-407 Symptomatology, 443 Kleemeyer, Robert, 220 IPAR. See Institute of Personality Klima, Edward, 210 Assessment and Research knowledge IPPA. See International Positive Psychology connections and, 140-143 Association core, 230-231 self-knowledge, 268-271 IQ. See intelligence quotient Isbell, Linda, 336-337 structures of, 178 Izard, Veronique, 230 tacit, 198-199 Korean War, 77 Jaeggi, Susanne, 91-92 Kornblum, Sylvan, 95 James, William, 11-12, 115-116, 200 Kramer, Steven, 278 Jane Eyre (Bronté), 270-271 Krantz, David, 317-318 Kross, Ethan, 90-91 Japanese language, 207-208, 297-298 Kruglanski, A. W., 414-415 jealousy, 385-387 Kunreuther, Howard, 179-180 Jefferson, Thomas, 127 Jenkins, James J., 77 labor, division of, 365-367 Job, Veronika, 295 LAD. See Language Acquisition Device Johnson, David W., 396 Landauer, Tom, 178 Jones, Ned, 306-307 language, 13-14, 30-31, 167-168, Joormann, Jutta, 90-91, 435-436 206-209 ASL, 210–212 Joseph, Jill, 440-441 Journal of Abnormal and Social Psychology, brain imaging and, 60 413-414 developmental plasticity and, 210-212 The Journal of Chromatographic Science, first, 211 275-276 Japanese, 207-208, 297-298 Journal of Experimental Psychology, 96 Mandarin, 206-208 Journal of Personality and Social Psychology, motivation and, 208-209 natural, 206, 464-465 322-323 judgmental biases, 172-173 second language learning, 120-121, 211



Index 505

signed, 210–211	life-course persistent behavior, 254
social neuroscience and, 46-47	life-history theory, 240–241
violence and, 409-410	like-minded individuals, 125
Language Acquisition Device (LAD),	liking, 380–381
206–207	Lincoln, Abraham, 266, 410-411
The Language Instinct (Pinker), 410	Lindsay, Steve, 133–134
Lanier, Lyle, 413–414	Lindsey, Gardner, 389
Lashley, Karl, 49–50, 58–59	Linguistic Inquiry and Word Count
Latané, Bibb, 373–374	(LIWC), 464–465
Latent Semantic Analysis (LSA), 178	linguistics, 176
Latham, Gary, 358–359	lived experience, 35
Lazarus, Richard, 424	LIWC. See Linguistic Inquiry and Word
Lazovik, David, 446–447	Count
leadership role, 368	Lockhart, Robert, 128, 130
learning	Loftus, Elizabeth, 117
abilities, 83–84	Logan, Gordon, 106–107
associative, 156–159	loneliness, 47–48
automatism and, 104–105	longevity, 346
connections and, 142–143	longitudinal cohort research
declarative, 22–23	adolescence-limited antisocial behavior
by direct experience, 235–237	and, 254
disabilities, 83–84	cannabis users and, 251
discrimination, 63	conclusions to, 254–255
emotional, 236	GxE and, 252
habit, 67–68	hidden aging and, 250–251
higher-quality, 288–289	introduction to, 249–250
implicit, 207–208	life-course persistent behavior and, 254
lower-quality, 288–289	mental disorders in population and, 253
mechanisms of, 192	personality and, 253
observational, 235–239	schizophrenia and, 252
reversal, 63, 65	self-control and, 251
second language, 120–121, 211	temperament and, 253
SES and, 22–23	longitudinal studies, 244–245
sets, 62–63	long-term memory, 119–120, 128–129,
social, 402–403	130, 140, 152–153
social learning theory, 242–243, 402–403	loose cultures, 414–415
statistical, 208–209	LOP. See levels of processing
trial-and-error rule-learning tasks, 62	love, 389
Leary, Mark, 281	companionate, 380–381
Lebiere, Christian, 164–165	matching hypothesis and, 389–392
LeDoux, Joseph, 28–29	romantic, 380–381, 382
Lenneberg, Eric, 210–211	lower-quality learning, 288–289
Lepper, Mark, 276, 278, 289–290	LSA. See Latent Semantic Analysis Luce, R. Duncan, 93–94
Leslie, Alan, 432–433 Leslie, Sarah Jane, 294–295	Luce, R. Duncan, 95–94
	Maskinnan Danald 74
Levant, Ron, 478 levels of processing (LOP), 128–131	Mackinnon, Donald, 74 Mackintosh, N. J., 62–64
Levin, Smadar, 481	maintenance stage, 466–467
Levy, Sheri, 295	major depressive disorder, 90–91
Lewicki, Pawel, 266	Man and Superman (Shaw), 309
Lewin, Kurt, xxi–xxiii, 395–396, 398	Mandarin language, 206–208
Lewis, R. L., 78–79	manifest phenotype, 79
Liberman, Al, 206–207	Marin, Oscar, 58–59
Lichtenstein, Sarah, 172–173, 179–180	Markus, Hazel, 400, 403
life regulation, 12–13	Marler, Peter, 34



506 Index

mass, 229-230 spatial, 52 Massey, Christine, 203-204 storage, 104-105, 116-117 working, 63-64, 90-91, 104-105, 116, matching hypothesis, 389-392 mate competition, 385 119-122, 130, 260-261 mate retention tactics, 385-386 memory consolidation, 49 mate value, 391 drug enhancement of, 49-50 mathematical formulas, 99-100 endogenous modulation of, 50-51 mathematical intelligence, 298-299 future investigations for, 52 mathematical thinking, 223-224, 225-227 hippocampus and, 54 mating strategies, 383-387 beyond academia, 56-57 Matthews, Karen, 317-318, 482-483 arriving at theory of, 54-55 Maudsley Hospital, 78-79 background of, 53 Mayer, Jack, xxiii implications for psychological science, McCann, Doug, 435-436 55-56 McDermott, Kathleen, 145 testing of theory and, 54-55 McDonnell, James S., 59-60 retrograde amnesia and, 66 McEwen, Bruce, 482-483 significance of findings on, 51-52 McGuire, William, 413-414 memory encoding, 130 McPhee, James, 266-267 memory loss, 116-117 memory retrieval, 95-96, 104-105, Mead, Margaret, 414 116-117, 123-124, 130, 214-215 medial temporal lobe, 21-23, 66-67 Medical Research Council Applied memory search, 105-107, 116 Psychology Unit, 119-120 memory traces, 128-129, 130-131 MEG brain imaging technology, 209 mental disorders, 253. See also specific MEM. See Multiple-Entry, Modular disorders mental energy, 121-122 Memory framework memory, 136-139, 148, 270 Mental Images and Their Transformations (Shepard and Cooper), 101-102 brain and, 66-69 controlled processes of, 115-117 mental lexicon, 141-142 declarative, 67–69 episodic, 55–57, 150, 152–155 mental rotation, 100-102 mental time travel, 55-56, 153-154 errors of, 150-151 mental transformations, 102-103 explicit, 149 mental-age match, 431-432 external aids, 115 mentalism, 30-31 false, 117, 132-135, 138-139, 144-145, mentalizing, 432-434 196-197 mentors, 3 imagining future experiences and, me-search, 293 metacognition, 198-199 150-151 implicit, 148-149 metacognitive development, 198-201 metamemory, 198-199 levels of processing, 128-131 long-term, 119-120, 128-129, 130, 140, Metzler, Jaqueline, 100-101 152-153 MFTM. See multifactorial threshold model malleability of, 117, 136-138 microgenetic studies, 225-226 meaning in, 176 Miller, A., 332-333 metamemory, 198-199 Miller, George, 3-4, 34, 189-190 modal model of, 115-116 Miller, Neal, 32, 34 Mills, Jud, 351-352 mood-congruent, 124 Milner, Brenda, 53, 54-55, 62 nondeclarative, 68-69 organization of, 152-153 mindfulness, 314, 339 precise, 137-138 mind's eye, 120-121 mindsets, 293-296, 299-300 procedural, 67-68 fixed, 293-294, 296 recognition, 130-131 semantic, 54, 55, 152-153 growth, 293-294, 295-296, 494-495 SES and, 22-23 Mindware: Tools for Smart Thinking source misattributions and, 194-197 (Nisbett), 265-266



Index 507

Minnesota Multiphasic Personality	Nadel, Lynn, 54-55
Inventory (MMPI), 77–78	naïve realism, 308–309
Minnesota Multiphasic Personality Test,	National Academy of Sciences, 483–484
389–390	National Comorbidity Survey (NCS), 441,
Minnesota Study of Twins Reared Apart	442–443
(MISTRA), 73–75	National Heart, Lung, and Blood Institute,
Mirsky, Alfred, 34	481–482
Mischel, Walter, 91, 329-330	National Institute of Health, 419
MISTRA. See Minnesota Study of Twins	National Institute of Mental Health
Reared Apart	(NIMH), 276–277, 425, 441,
Mitchell, Karen, 134-135	446–447, 478
MMPI. See Minnesota Multiphasic	natural language, 206, 464-465
Personality Inventory	natural selection, 410-411
modal model of memory, 115-116	Naveh-Benjamin, Moshe, 90
modeling	NCS. See National Comorbidity Survey
Bayesian, 116–117	Nee, Derek, 89–91
creativity and, 236-237	negative affect, 320–322
neural, 117–118	negative emotions, 424–425
social, 235–239	Neisser, Ulrich, 138, 228, 356-357, 358
modernity, 409-410	Nelson, Angela, 116–117
Moffitt, Terrie E., 254	neo-behaviorists, 445
Molaison, Henry, 53	nervous system structures, 14-15
mood-congruent evaluation, 125-126	Netherlands, 78–79
mood-congruent memory, 124	Neuberg, Steven, 371–372
mood-dependent memory retrieval,	neural architecture, 32-33
123–124	neural modeling, 117–118
morals, 189	neural networks, 142-143
Morgan, Phil, 246–247	neuroendocrinology, 33
Moss, Howard, 260–261	neurogenesis, 32–33
motivation, 121-122, 235-236. See also	neuroimaging. See brain imaging
intrinsic motivation	neurons, 16–17
for creativity, 275–278	neuroplasticity, 402-403
extrinsic, 288–289	neurotic paradox, 454–455
language and, 208–209	neurotic temperament, 455-456
prevention, 301–304	Neustadt, Richard, 373
processes of, 235–236	New York Times, 414-415
promotion, 301–304	Newell, Allen, 163–164, 165
motor skills, 67–68	niche-picking, 490–491
Mountcastle, Vernon, 58	NIMH. See National Institute of Mental
Mowrer, Hobart, 332, 413-414, 453-455	Health
Mueller, Claudia, 49–50, 294–295	Nin, Anais, 405–406
multifactorial threshold model (MFTM),	9/11 terrorist attacks, 414–415
79–80	Nisbett, Richard E., 265–266, 268–269,
multimorbidity, 441	306–307
multiple intelligences, 167–170, 297–299	NMDA receptor, 17–18
Multiple Risk Factor Intervention Trial,	No Child Left Behind Act, 185–186
474–475	Nobel Museum, xxi-xxiii
Multiple Trace Theory, 54, 55	Noble, Kim, 21
multiple-channel cochlear implants, 37–38	non-conscious homeostasis, 13
Multiple-Entry, Modular Memory	non-conscious states, 30–31
framework (MEM), 134–135	nondeclarative memory, 68-69
mundane intuition, 200	non-nervous structures, 14–15
Murayama, Kou, 289–290	non-shared environment, 83
Murray, Henry, 74	non-verbal behavior, 30-31
musical intelligence, 299	noradrenaline, 65



508 Index

Norem, Julie, 494–495 norepinephrine, 50–51 Nottebohm, Fernando, 34 numerical development, 225–226 numerical intelligence, 298–299 numerical representations, 191–192

object construction, 108-111 object perception, 228-229 object permanence, 229-230 objective self-awareness, 283-284 observational learning, 235-239 O'Connor, Neil, 431 OFC. See orbitofrontal cortex Oishi, Shigehiro, xxv, 93 O'Keefe, John, 54-55 operant conditioning, 207 optimal development, 240-241 optimal distinctiveness theory, 360-363 optimism, 127, 302-303, 318-319 orbitofrontal cortex (OFC), 62 organization of memory, 152-153 Ortony, Andrew, 336, 338 Osgood, Charles, 413-414 Ossher, Lynn, 91 Ostrom, Tom, 373-374 out-groups, 362-363, 370, 371-372 overarousal, 258 overjustification effect, 276

pain, 301-302 PANAS. See Positive and Negative Affect Schedule PANAS-X. See Expanded Form of the **PANAS** panic attacks, 453-454 Papies, Esther, 358-359 parent management training (PMT), 457-460 parietal lobe, 58-59 Park, J.-Y., xxv, 93 Parkinson's disease, 63 Paterson, Donald G., 77-78 Patterson, Karalyn, 142-143 Pauling, Linus, 24 Pavlov, Ivan, 156, 449 peace psychology, 398 Penfield, Wilder, 53, 54-55 perceived social isolation, 46-48 perception, 270 of objects, 228-229 of risk, 179-182 visual, 198-199 perceptual systems, 134

personal distress, 258-259 personality, 77-78, 218-219, 253, 257–258, 263, 328, 445–446 persuasion, 373-376, 489 pessimism, 302-303, 318-319 PET. See positron emission tomography Petty, Richard, 45-46 Pfaff, Donald, 34 Pfaffman, Carl, 34 PFC. See prefrontal cortex phobias, 317-318, 446-447 phonetic feature detectors, 206-207 phonological loop, 120-121 physical attractiveness stereotype, 381-382 Piaget, Jean, 167, 189-191, 203-204, 223-224, 229-230, 284 Pietromonaco, Paula, 356-357 Pilzecker, Alfons, 49-50 Pines, Harvey, 275-276, 278 Pinker, Steven, 409, 410-411 Plaks, Jason, 295 Plaut, David, 142-143 pleasure, 301-302 PMT. See parent management training polygenic scores, 85 Popper, Karl, 74-75 portrayed actions, 11-12 positive affect, 320-322, 336-337, 425 Positive and Negative Affect Schedule (PANAS), 322-323 positive emotions, 424 positive feedback, 289-290 positive psychology, 478-480 positron emission tomography (PET), 50-51,60 Posner, Jerry, 58-59 Postman, Leo, 132 posttraumatic stress disorder (PTSD), 51 - 52poverty, children and, 20-23 Powers, William, 285 practical intelligence, 183-184, 185-186 precise memory, 137-138 precontemplation stage, 466, 467-468 preferential treatment, 360-361 prefrontal cortex (PFC), 21-22, 62-65 prejudice, 398 preparation stage, 466-467 preschool children, 195-196, 198-199, 200-201, 226-227, 231, 256 Pretz, Jean, 3-4 prevention motivations, 301-304 primary auditory cortex, 39 primary mental abilities, 218, 220 priming, 67-68, 96, 148-149, 157-159

Perlman, Robert M., 220



Index 509

Principles of Psychology (James), 115-116 Prisoner's Dilemma, 396 probability neglect, 181-182 problem solving, 214-215 problematic development, 242-243 problem-solving skills training (PSST), 457-458, 459 procedural memory, 67-68 processing speed, 252 progress principle, 278 pro-inflammatory cytokines, 421-422 promotion motivations, 301-304 propranolol, 50-51 prosocial behavior, 256-259, 362-363 prospection, 479-480 PSST. See problem-solving skills training psychiatric epidemiology, 440-444 psychic numbing, 181-182 psychogenetics of personality, 77-78 psycholinguistics, 176 psychological needs, basic, 290-291 psychological orientation, 397 psychological traits, 73–74

The Psychology of Attitudes (Eagly and Chaiken), 365 psychometric paradigm, 179-180, 181 psychotherapy, 137-138, 270-271, 339 Psychotherapy by Reciprocal Inhibition (Wolpe), 445-446 PTSD. See posttraumatic stress disorder puberty, 242, 244-246 punishment, 289-290, 351-352

quantitative genetics, 75-76

Raaijmakers, J. G. W., 116-117 Raichle, Marcus, 59-60 Railton, Peter, 479-480 Ramani, Geetha, 226-227 rapid scanning, 108-109 rational analysis, 164-165 Rattan, Aneeta, 295 Raye, Carol, 133-134 RCGD. See Research Center for Group Dynamics RDoC. See Research Domain Criteria reaction surface/reaction range, 79-80 real representations, 202-205 realism, naïve, 308-309 reality monitoring, 133-134, 135 reasoning, 214-215 recognition memory, 130-131 recollection, 54 Reed, Sheldon C., 77-78, 79

reflective subsystem, 134-135

regulation, 313-315. See also self-regulation rehearsal, 116 Reis, Harry, 382 relatedness to others, 291-292 relationship science, 382 relative autonomy, 312-313 relative quality, 4-5 repeated questioning, 195-196 representational processes, 235-236 representations, 38, 191-192, 199, 202-205 representativeness heuristic, 171-172, 173-174 reproductive strategy, 241-242 Request for Proposals (RFP), 468-469 Rescorla, Robert, 156, 157-158 Rescorla-Wagner rule, 157-159 Research Center for Group Dynamics (RCGD), 395-396 Research Domain Criteria (RDoC), 441-442, 448 reserve capacity, 475-476 retrograde amnesia, 55, 66-67 Reuter-Lorenz, Ed, 90 reversal learning, 63, 65 RFP. See Request for Proposals Ribot's Law, 53, 54 risk, 179-182, 466, 488-489 Robertson, Lynn, 110-111 Rodin, Judith, 34, 481 Roediger, Henry L., III, 145 Roland, Per, 59-60 romantic love, 380-381, 382 Rosenberg, Seymour, 370-371 Rosenman, Ray, 473 Ross, Lee, 276, 278, 309 rotational apparent motion, 102 Rothbaum, Barbara, 18-19 Rothman, Judith, 481-482 Ruble, Diane, 245 Rumelhart, David, 141-143 rumination, 90-91, 436-437 Rush, John, 443 Russell, James, 321-322 Ryan, Richard, 291

Sabido, Miguel, 238
Sally Ann task, 432–434
Salovey, Peter, 493–494
Schachter, Stanley, 389
Scheier, Mike, 283
schizophrenia, 77–79, 252, 437
Schlosberg, Harold, 413–414
Schneider, Walter, 106–107, 357–358
Schvaneveldt, Roger, 95, 96



510 Index

Schwartz, Carl, 262-263 sexism, 370-371 Schwarz, Norbert, 336-337, 338 sexual development, accelerated, 241-242 scientific ethics, 7 sexual selection theory, 383-384, 387 Scoville, William, 53 sexual trauma, 462-463 SDT. See self-determination theory sexual variety, 384, 386-387 Sears, Robert, 332 Shah, Priti, 91-92 Seattle Longitudinal Study (SLS), 218-221 Shanmugam, A. V., 414 second language learning, 120-121, 211 Shaw, George Bernard, 309 secrets, 462-463 Segal, N. L., 73 Shepard, Roger N., 101-102 Shields, James, 78-79 Seidenberg, Mark, 142-143 Shiffrin, Richard, 106-107, 116-118, 357-358 self, 400 as collectively constructed, 401-402 Shonkoff, Jack, 34 conclusion to, 403 Shulman, Gordon, 60 cultural neuroscience and, 402-403 Shweder, Rick, 405-406 identity and, 279-280 sickness, 420 independent model of, 407 Siegel, Sheppard, 158-159 interdependent model of, 407 signal value, 181 self-awareness, 283-284, 316-317 signed language, 210-211 self-concept, 352 Simon, Herbert, 3-4, 336-338 self-control, 251, 285-287, 313 Simonton, Dean, 5, 277-278 self-correcting, 316 singularity effect, 181-182 self-criticism, 402 Skinner, B. F., 28, 30-31, 207, 356-357, self-deception, 415-416 467-468 self-determination theory (SDT), 290-291, Slater, Eliot, 78-79 Slovic, Paul, 172-173, 174 311-315 self-direction, 311-312 SLS. See Seattle Longitudinal Study Slusher, Morgan, 328 self-efficacy, 489-490 self-esteem, 279-281, 352, 402 Smith, Ed, 90 Smith, J. E. Keith, 94, 95 self-estimated intelligence, 298-299 self-evaluative bias, 402 social amplification of risk, 181 self-knowledge, 268-271 social anxiety, 262-263 self-presentation, 279-280 social behavioral information, 357-358 self-regulation, 235-236, 256-259, social cognition, 481-483 283-287, 316-319 social cognitive neuroscience, 483 self-schemas, 405-406 social environment, 237 self-stories, 270-271 social epidemiology, 47-48 self-views, 270-271 social gating hypothesis, 206-207, 208-209 Seligman, Martin, 343-344 social identity, optimal distinctiveness semantic memory, 54, 55, 152-153 theory of, 360-363 semantic priming, 96 social intelligence, 169-170, 495 sensitive-responsive parenting, 240 social isolation, 46-48 sensory-perceptual systems, 37-38 social justice, 397 separate analyzers, 108 social learning theory, 242-243, 402-403 September 11, 2001 terrorist attacks, social life, 369-372 414-415 social modeling, 235-239 serendipity, 370 social neuroscience, 45-48 social psychology, 268, 277-278, 279 SES. See socioeconomic status The Seven Sins of Memory: How the Mind social relationships, 346 Forgets and Remembers, 150-151 social relevance, 20-21 sex, 389 social role theory, 365-366, 367-368 hormones, 33 social skills, 256-257 intelligence and, 299 socialization, 257-258, 367 matching hypothesis and, 389-392 socioeconomic status (SES), 20, 21, 22-23, ratio, 385 475-476



Index 511

sociology of mental illness, 440-441 substitutability, 395-396 Solidarity Movement, 396-397 subtraction method, 46-47 success feedback, 302-303 somatic marker hypothesis, 14 Sometimes Opponent Process model Sumner, William Graham, 360-361 (SOP), 158-159 Supalla, Ted, 210-211 source misattributions, 194-197 supersolvers, 458-459 Supreme Court, 196-197 source monitoring framework, 133-134, 135 surprise, 231 spatial intelligence, 298-299 survival analysis, 221 Sutherland, Robert, 55, 62-64 spatial memory, 52 spatial visualization, 214-215 symbolic environment, 237 specific influences, 216-217 sympathy, 256-259 speech, 37-38, 206-207, 210-211 synapses, 141-142 speeded tasks, 215-216 Systematic Desensitization Therapy, Sperry, Roger W., 24-26 446-447 split personality, 445-446 Systems 1 and 2, 95-96, 173 split-brain animals, 24-25 split-brain patients, 25-26 tacit knowledge, 198-199 Tagore, Rabindranath, xxi-xxii Squire, Larry, 55 Sripada, Chandra, 479-480 TAI. See Temperament and Affectivity stage theorists, 203-204 Inventory staging, 466-469 talking cure, 445 Taylor, Donald, 99-100 standard model of consolidation, 66-67 Stanford Center on International Conflict television, 237-238 and Negotiation, 308-309 Tellegen, Auke, 320-322 Stanford-Binet Test, 297-298 telomeres, 250 startle reflex, 16-19 temperament, 253, 257-258 statistical learning, 208-209 Temperament and Affectivity Inventory status quo, 301-302 (TAI), 323 Steele, Claude, 494-495 temporal context, 384 stereotype content model, 369-370 temporally graded retrograde amnesia, Sternberg, Robert, 169-170, 297-298, 66-67 493-494 temporary memory, 119 Sternberg, Saul, 94, 95, 183 tend and befriend theory, 483 Stokoe, William, 210 termination stage, 466-467 Stolurow, L. M., 413-414 testimony, 137-138 Stone, George, 481-482 text comprehension, 176-177 story metaphor, 270-271 textbooks, xxvi strategic variability, 224-225 thalamic inputs, 29-30 theory of mind, 198-201, 432 stream of consciousness, 200 stress, 22-23, 419, 424-427 Thinking, Fast and Slow (Kahneman), hormones, 32-33, 50, 51-52 95-96, 106-107 Thompson, W. Robert, 74-75 immune system and, 419-420 implications of research on, 422-423 Through the Labyrinth: The Truth About How PTSD, 51-52 Women Become Leaders (Carli), 368 sickness and, 420 Thurstone, L. L., 218, 219-220 tight cultures, 414-415 vulnerability to disease and, 421-422 Stress, Appraisal, and Coping (Lazarus), 424 Tindle, Hilary, 318 stressors, 35 Tolman, Edward, 163-164 Stroessner, Steve, 295 Trace Transformation, 54 strokes, 211-212 Trade Transformation, 55 Stroop task, 435-436 training cognition, 91-92 Strother, Charles, 220 transitions, timing, and texture, 244-247 subjectivity, 13 translational production processes, substance dependence, 253 235-236



512 Index

Transtheoretical Model (TTM), 467-468, 469 Treisman, Anne, 128-130, 228 trial-and-error rule-learning tasks, 62 trial-by-trial strategy assessments, 224-225 Triandis, Harry C., 414, 415-416, 494-495 triarchic theory of intelligence, 183-184 Tryon, Robert, 74 TTM. See Transtheoretical Model Tuddenham, Read, 220 Tulving, Endel, 3, 128, 130, 144-145, 146–147, 148, 150 Turing, Alan, 230-231 Tversky, Amos, 171, 173, 179-180 twins, 73-74, 77-79, 83 Tyrrell, David, 419-420

unconditioned stimulus (US), 156–158 unconscious cognitive processes, 264–266 unconscious mind, 266–267 Unified Protocol for Transdiagnostic Treatment of Emotional Disorders, 455–456 unified theory of mind, 163–165 universal psychological laws, 100

US. See unconditioned stimulus

vaccinations, 5-6 value assessments, 12 van Dijk, Teun, 176-177 Van Lange, P. A. M., 414-415 varied mapping, 106 Vassiliou, Vasso, 414 verbal aggression, 237-238 Verbal Behavior (Skinner), 356-357 verbal intelligence, 299 verbal self-report, 30-31 Veroff, Joseph, 441 vertical cultures, 414-415 violence, 327-331, 332-334, 409-412, 440-441 virtual reality, 18-19 visibility, 5-6 visual perception, 198-199 visual search, 105-107 visuo-spatial sketchpad, 120-121

Wager, Tor, 89-90 Wagner, Allan, 16, 157-158 Wakefield, Andrew, 5-6 Walker, David, 18 Walton, Greg, 295 Warren, Michelle, 245-246 Watson, James, xxi-xxii WCST. See Wisconsin Card-Sorting Test weapons effect, 329-330 Wechsler Adult Intelligence Test, 297-298 Weiner, Bernard, 328 White, Gilbert, 179-180 White, Robert, 290-291 WHO. See World Health Organization Wicklund, Robert, 283-284 The Wisest One in the Room (Gilovich and Ross), 309 Williams, Ronald, 142 Williamson, Dean E. G., 389 willpower, 295-296 Wilson, Tim, 264-265 Winner, Ellen, 167–168 Winocur, Gordon, 54, 55 Wisconsin Card-Sorting Test (WCST), 62 - 63wisdom, 184-185 WMH. See World Mental Health Wojciszke, Bogdan, 371-372 Wolpe, Joseph, 445-447, 448 Wood, Wendy, 365-366 word association, 145, 146-147, 264-265 working memory, 63-64, 90-91, 104-105, 116, 119-122, 130, 260-261 World Health Organization (WHO), 441-442 World Mental Health (WMH), 441-443 Wortman, Camille, 440-441 Wynn, Karen, 190-191 Yasumasa Tanaka, 414 Yeager, David, 295

Zelazo, Philip R., 260-261

Zola, Stuart, 67