

Index

40-Hour Famine, 24	role in power, 123–124
	body language, 121–122, 272
abstractions, see also beliefs	Bollywood, 82
emotional bonds with, 138-139,	brain
328-329	as a storytelling machine, 92–93
underpinning circles of reciprocity,	damage, 92
157, 203–204, 308, 320–323	physiology, 91–92
Africa, 24, 132, 192, 276, 306	train metaphor for the, 93, 98
aim of the book, 29–30, 51, 72–73,	bribing the unseen, see reciprocity
334	business links, see contacts
altruism, 4, 18-19, 24, 58-60, 153	
America	Caligula, 127
Declaration of Independence, 158	cannibalism, 43
President, 310–311	Capgras syndrome, 96
analog reasoning, 32–34	categorization theory, 102–106, 145,
animals, see also cows, power	207–209
social, 133-134, 138-139	caviar, 115
apprenticeships, see qualifications,	centralized economies, see economic
education, wage-work contract	systems (comparative)
army recruits, 77–78	change management, see leadership,
Asian crisis, 281–282	groups (social)
attachment (emotional), 60	cheap talk, 11, 14, 160, 331, 340
of men to children, 140	childbirth, 80–81, 107, 137, 140
Australia, 44, 315–318	children
Aborigines of, 183	development of love program in,
	96–98
babies	emotional development in, 98-101
as scientists, 110	role of in the family, 165–166
confiscation of by Ottomans, 189	starving, 105
bakery, 231–234	China
bananas, 315–318	ancient, 167
bankruptcy, 280-281	modern, 261-262, 272, 288
beer factory, 274	church, see also circles of reciprocity
beliefs, see also expectations,	doctrine of, 46, 83
abstractions	history of, 83–84
consideration of by economists, 156	circles of reciprocity, 29
consideration of by sociologists, 214	examples of, 155
examples of, 118–119	large, 154–157, 202–204
malleability of, 117–119	leadership in, 157, 283–284
role in love, 87–88	small, 152–153, 198–199, 278–27
,	, 102 100, 170 177, 270 27

423



424 Index

circles of reciprocity (cont.) within institutions, 191 within companies, 161, 198 core concepts, 34-36 class theory, 209-213 corruption in transition economies, 259, 263 communism, see economic systems (comparative), China, Russia ancestral command to slaughter, companies, see organizations 192-193 comparative advantage, 9-10, 52, 254 exploitation of within groups, eating, 43 198-199 sacred, xi role of contact makers in exploiting, creative destruction, see also contacts, growth, comparative advantage, 229 - 230competition, see also regulation, 2 251-252 amongst ideals, 29 creativity, see human capital, amongst individuals, 2, 51-53 entrepreneurs crowding-out amongst institutions, 2, 55–57 of charitable behavior by material amongst organizations, 53-54 perfect, 51-53, 68-70 rewards, 221 of other activities by natural compliance, see obedience resource extraction, 231 tax, see tax-paying behavior culture, see also expectations, 100 contact makers, see also expectations, as a function of aspects of contact networks, private sector making, 239, 246 ability of to specialize, 229-230, 239 and agriculture, 228, 305-306 relation of to social desirability, 115 superiority of one's own, 118 as catalysts for circles of reciprocity, Czechoslovakia, 259 244-245, 305 costs faced by, 230-231 definition of, 227-228 Darwin, 126 examples of, 227 decision making, see control, contacts, see also networks leadership, groups (social) aspects of, 231-235 democracy, see also elections, 57 changing, 234, 238-249, 254, 257, advantages of, 285 260 ancient Greek, 286-287 definition of, 231, 275 as advocated by contact makers, examples of, 231–235 245, 286-288, 296-297, fractionalized, 232-233 304-305 role of in economic growth, emergence of, 286-288, 304-305 235-236, 268-269, 334 leadership in, 283-285 control, see also power desirability babies' lack of, 110 social, 114-116 held by a central ministry, 254 spiritual, 116-117 of power, desire for when attracted desire, see also needs to the powerful, 126-127 definition and types of, 113-114 over contact making, 243-244, development, see growth 252-254 diversity, 229 over means of production, in as an impediment to social coordination, 279, 292-293 transition economies, 264 passage of, within a democracy, lack of, in leaders of democracies, 283-284 284-285 personal, 77, 79 value of in groups, 198 divorce rates, 129 sense of, as a mental need, 116



Index 425

drugs (illegal), 107 elections, see also voting, 17-19, 27, Dutch disease, see resource curse 157 within nation states, 168, 285-286 emotions, 98-99 earring, 115 activation of, 106-108 East Germany, 44, 259 fear, 108, 175 economic system (in aggregate), regulation of, 100-101 334-335 England, 170 economic systems (comparative), in history, 312 246–247, 260–261, 263 entrepreneurs, see also contact makers, and social cohesion, 248 53, 229, 268, 277 in relation to the Eastern European as a productive input, 267, 274-275 transition, 249-259 equilibrium economics concept of, 52 academic journals in, 335–336 institutional, 57 as a circle of reciprocity, 156, 321, Europe 331-332, 340-341 in history, 22, 83-84, 154-155, 158, as a discipline, 7-8, 36-37, 332, 167, 169, 177, 183-184, 336-338 188-189, 214-215 as depicted in textbooks, 7–8, 11, modern, 21, 285 13, 23-24, 45, 215 evolution, see also competition, behavioral, 21-22, 151, 220-222 Darwin mainstream view offered by, 2-3, 8, of group ideals, 173-174, 327 12, 18-21, 24-25, 41-44, of presumption of reciprocity, 50-54, 67, 71, 257, 336-338, 110-112 342-343 of psychological traits, 204 models offered by, 31-32, 49-50, exercise, 107 54, 73, 149–150, 215–222, expectations, see also beliefs, 16, 22, 251-252, 266-268, 289-290, 27, 275 292, 315, 320, 324 of contact makers, 231, 233 morality of, see also morality, of marriage, 129 36-37, 42, 61, 346-348 within groups, 150, 159, 177-179 versus other social science externalities, 14-16, 321-323 disciplines, 7, 29, 46, 72-73, 187-188, 335 factors of production, see economists, 195 also production (economic), early, 4, 8, 19, 48, 51, 55, 57–58, 268-269 66-67, 69, 124, 212-213, 309 falsifiability, 31 image of, 14, 27-29, 331-332, 337 firms, 54, 274 modern, 36, 48, 49, 55, 58, 62, 69, fishing, 14-16 72, 150-151, 200, 237 Florence, 168-169 policy advice of, 3, 7, 10, 12-14, 19, 23, 27, 45, 53, 270–273, 275, fly spray, 157 foundling home, 97-98 319, 322, 325, 330, 333, 346 France, 122, 188–189, 285 surveys of, 7, 10-11, 13, 24 Francis of Assisi, 83-84 education, see also school, human frictions (market), see search, contact capital, 272-273 makers, information homogeneity of, in support of group formation, 279 spending on, 330 game theory, see power system of, 187–190, 204–205, 276 Gandhi (Mahatma), 84



426 Index

global financial crisis, 282 happiness Great Depression, 280-281 brought to others via beliefs, 119 Great Leap, 262 sought via utility maximization, 48 group (social) total, xii archetypes, model of emergence of, hermits, see love heterogeneity (group), see diversity archetypes, theory of in relation to heuristics, 192, 194 existing theories, 207-222, hierarchies 293-294 and loyalty, 200-201 heterogeneity, see diversity and personal ambition, 200 ideals, 16-17, 19, 28-29, 158-159 instability of, 201-202 norms, 4, 16-17, 21-22, 148, large, 153-154, 201-202 220-221, 290-291 leadership of, 199 group power, see power small, 151-152 groups (social), see also identity, within companies, 161, 200, organizations, hierarchies, circles 303 of reciprocity, evolution, 343-344 Hinduism, 84 history advantages of membership in, 135, 185, 293 of political institutions, 29 and the four-part heuristic, 314 of taxation, 22, 177, 191-192, blue-eyed versus brown-eyed, 171 325-326 changes in over time, 166-169, 204, Homo Economicus, 3, 41-43, 45-47 2.60 - 2.61how to extend, 47-49, 225, decision making within, 173-174, 191 341-342, 344-345 human capital, 267, 272-275 emotive, 158-160 examples of, 4, 145, 213 human sacrifice, 24 genesis of, 170-171 membership in many, 169-170, ideals, see group (social), beliefs, 247-248 abstractions, evolution purpose of, 145-146 identity, see also self-image, 103-104 reciprocal versus hierarchical, and perception of power, 112-113 change in, 78-79, 170-171 red versus blue, 118 economic models of, 217-218 roles within, 159 engendered via schooling, 188 studied by scientists, 208-209 of an individual as part of a group, symbols of, 214 19, 21, 23, 66, 159, 169–170, understanding, parking lot metaphor 207-208, 214-215, 326-327 for, 146-147 of one who loves, 74, 87, 104-106, growth, see also technological change 140 education as an input to, 272–273 perception of, as input to models of, 73, 269 presumption of reciprocity, role of contact makers in, 235-236 110-113 sources of, 230-231, 243, 268-269 ideology, see also abstractions, beliefs as an object of desire, 116, 117 habits, 21, 22, 194, 195, 330 changing, in transition economies, conditioning of, 195 260-261, 263-265 of democracies, 287-288 in support of economic growth, 277-279 of the nation state, 212–213, 283-284, 286-287, 326-327 of use within the nation state, 205-206, 325-327 imprinting, 96-97



Index 427

incentives	learning, see also education, school,
individual material, 3, 19–21,	search
42–45, 51, 54, 152, 179–181	skills for choice making, 339
of politicians, see also lobbying, 57,	levels of analysis, 91
260–261, 266, 309–310, 324	links (business), see contacts
within groups, 173–174, 308,	lobbying, 11, 45, 252, 309, 315–317
331–332 L. I. 42, 400, 404, 276	in economic models, 215–217
India, 43, 190–191, 276	love, see also loyalty, 30, 343
indoctrination, see education	and actual reciprocity, 101–102
Indonesia, 281–282	and categorization, 103–106
information, see also manipulation,	and inter-generational bonds, 137,
search access to, in relation to contact	165–166, 322–323
	and loyalty, 4, 74
makers, 247–248, 275 barriers to, 57	and power, 88, 126–129, 196,
control of, within a group, 186	341
infrastructure, see also institutions	and self-esteem, 136 and the conscious mind, 95, 108,
in support of trade, 168	132
investment in by the government,	and the Love Principle, 6, 86–89,
271	117
institutions, 3, 29, 54–57	and the presumption of reciprocity
and socialization via changing	109–113
norms, 190	and the unconscious mind, 94-96
as a catalyst for trade, 275-277	at first sight, 85
as considered by economists,	by other names, 59-60
267–268	change in over time, 134
change in over time, 190–191	compared to greed, 132, 311-313.
examples of, 187	344–345
formal, 55, 275–276	definition of, 57, 74, 96, 106,
in transition economies, 257–259	131–132
informal, 55, 68, 276–277	development of ability to in
inter-connectivity, see contacts	childhood, 96–98, 110
international trade, <i>see also</i> trade,	evolution of traits that support,
8–11, 309–310, 315–318	133–137
internet businesses, 54 inventors, 229, 272, 274	inability to buy, 58
invisible hand, 32, 51	of a fan, 81–82
mivisible mand, 32, 31	of a hermit, 83–85
1 1	of children by parents, 74, 79–81,
labor	137
as a factor of production, 270–271	of children for parents, 78–79, 101–102, 165
migration, 33–34	of romantic partners, 85–86, 163
labor contract, <i>see</i> wage-work contract Latin America, 21	of the self, 46
law	social advantages of, 136–137,
contract, 2, 275, 277	139–140
power of, 124–125	stories, 77–86
system of within nation states, 167	within organizations, 58
upholders of, 75–76	Love Principle, see love
leadership, see also democracy, 65,	loyalty, see also love, 22, 160
157, 310–311	to the state, 67–68, 283
within organizations 161-162	types of 178



428 Index

loyalty (cont.) military coups, 168 underpinning market interactions, monitoring in wage-work contracts, 181-182 66-68 within organizations, 76 of polluters, 322 luck, 24 within circles of reciprocity, 198-199, 203, 321 within groups, 199 Magna Carta, 170 monopoly, 12-14, 54 manipulation, 76, 174-175 within marriage, 163 means of, 62, 110, 195-196, morality, 45, 55 347-348 changes in over time, 206 of emotional activation, 107, 109 education about, 205-206 via communication channels, 197 of democracy, 286 via fear, 193 mythology, 127-128 via group identity shift, 186 via group membership, 184-186 via information channels, nation states, see also circles of reciprocity, contact makers, see information 154-155 via institutions, 190-192 education within, 205-206 via material rewards, 179-181 evolution of, 149, 167-168 via molding beliefs, 119 via patronage, 190-191 functioning of, 167–168, 306–307 nationalism, see ideology, nation via shaming, 271 states, social status via stories, 192-195 via violence, 175-177 natural resource curse, see resource manufacturing firms curse needs automotive, 259-260 mental, 116-117 beer, 274 regulation of, 345 market frictions, see frictions (market) satisfaction of by groups, 146 markets sense of belonging as a need, 115 as networks, 248 Netherlands, 285 imperfect, 2, 53 networks, see also contact makers, 5, marriage, see also expectations, sex 68-71, 344 differences and social network analysis, as a political device in history, 295-296 183-184 anonymous, 68 as a social group, 163–165 definition of, 157-158 matching, see search, production formal and informal, 247-248 (economic) formation of, 290 measurement role of in politics, 71, 158, 226, by national statistical agencies, 238 238-247, 294, 305-306 of output collapse in transition economies, 249-251 New Zealand, 44 Nigeria, 270, 306 menstrual cycle, 107-108 norms, see group (social), expectations mental models, 333 nose-bone, 115 mergers, see regulation methodology used in the book, 30-36, 76–77, 90–91, 149–150, 227, obedience, see also punishment, 341-342 Milgram experiments Mexico, 284 evolution of, 137 Milgram experiments, 151 role of expectations in, 177-179



Index 429

training of, through education,	physical, 120–121, 196
187–190, 205	social, 4, 196–197
opportunity cost, 45	use and analysis of in scientific
organizations	research, 90–91
activities of, 228–229	within a democracy, 286, 310–311
as combinations of group types,	power balance
160–163 optimal size of, 53–54	and morality, 347–348
	between children and parents, 165–166
Ottoman Empire, 189 oxytocin, 80, 107	
oxytociii, 80, 107	between partners in marriage, 164 changes in over time, 128–129
patriotism, 118	pragmatism, 31
during World War I, 155, 212, 305	prayer, ix, <i>see also</i> symbolic expenses, 24, 25, 47, 48, 159
pattern recognition, 147–148, 313,	preference theory, 48–50, 338–340
333–334	primitivization, 251, 257
perfect competition, see competition	private enterprise, 2
Pew global attitudes survey, 118	private sector, see also contact makers,
police officer, 232	firms, 302
politicians, <i>see also</i> lobbying, 56, 260 pollution, 14–16, 321–323	ideals of, contra nation-state ideals, 303–304
positivism, 30	symbiosis of with the nation state,
possessiveness, 89	245, 302, 307
potato farmer, 231	production (economic), see
power, see also control, 60-63	also growth, factors of production
and beliefs, 63	collapse, during Eastern European
and perception of identity,	economic transition, 249–251
111–112	matching of inputs to create,
and sexual attraction, 126-127	228–229, 266, 274, 281–282,
and the four-part heuristic, 314	289–291
as a choice, 61-62	propaganda, see also lobbying, cheap
as a group construct, 63-68,	talk
122–126, 148–149, 159–160, 196–197, 213–214	as catalyst for identity formation, 170
as an individual construct, 63-65,	state, 284
195–196, 218–219	property rights, 2, 23, 67, 251, 257
as information, 62–63	protectionism, see trade barriers,
as modelled in game theory,	lobbying
218–220	public goods, 14–16, 245
as perceived by the individual, 120	punishment, see also obedience,
definition of, 60–61, 119, 148–149, 224–225	violence, 22, 123, 151–152, 160, 178, 220–221, 332
emblems of, 123	by institutions, 190
equality of in networks, 158 market, 10, 12–13	mental stance required to support, 205–206
mental, 121–122	via banishment, 186
of ideas, 125–126	
of law, 124–125	qualifications
of money, 125	as prerequisite for a wage-work
of the unseen, 120	contract, 233–234
*	,



430 Index

rain dancing, 24, 131 fees, 26 search, 68-70 rationality, 28 recession, see also growth by contact makers, 239 nature of, 280-282, 334-335 costs, 69-70, 236-238, 289 reciprocity, 21, 22, 26 self-esteem, 116, 117, 126, 138, 340, belief in, 25, 27, 30, 87-88, 346 and love, 136 109-113, 171-173 definition of, 150 self-image, 66, 87 examples of, 150 of economists, see economists models of, 150-151 self-interest, see also incentives, of the nation state with its members, 339-340 and the qui bono question, 314 with the unseen, 140, 150-151, 156, as a catalyst for social good, 170, 171-172, 328-330 301, 335 redistribution, 2 as a force in the evolution of groups, regulation, 2, 9, 53 198, 308 environmental, 14-16, 26 Serbia, 284 food labeling, 43 sex before marriage, 25 of competition, 12-14, 318-321 sex differences religion, ix, see also church, prayer, in amount or degree of love, symbolic expenses, 25-26, 83-85 128-129 and reciprocity, 155-156 in cognitive function and empathy, religions (multiple), 118, 155-156 139-140, 165 rent-seeking, see lobbying in effort output towards offspring, reputation, 290-291 115 mechanisms, 180-181 in power, 164 of employees, 181–182 in the role of power in sexual resource curse, 230-231, 244, 261, attraction, 126-127 269-270, 296, 305-306 in what is sought in a mate, 115-116 methods of avoiding, 265-266 sexual access, 126, 133-134, 176-177 respect for the old, 128 sexuality, 345 returns to scale, 53-54, 229, 319 shaming, see manipulation in hierarchies, 201 Sisyphus, 127 Romania, 259 slavery, 166 Rome (ancient), 177 social capital, 184 and the early Christians, 203 social contract, 19, 59 gender relations in, 165 social groups, see groups (social) slavery in, 166 social status, 114-116, 212-213 Russia, see also economic systems Socialism, see economic systems (comparative), transition (comparative) economies, 21, 44, 262 socialization, see education soldiers, see army recruits sacrifice, see also human sacrifice, South Africa, 78 24 - 26Soviet economy, see economic systems school, see also education (comparative), Russia, transition as a vehicle for dissemination of economies ideals, 167 specialization, see comparative boarding, 190 advantage, growth curriculum, 201, 276 spirituality, see supernatural entities, example of as a social group, 162 beliefs, religion



Index 431

stability (social) true believers, 153-154, 160, 260, 283, 331-332 importance of in regard to wage-work contracts, 182 trust relation of to contact makers, 232 as a catalyst for trade, 168-169, Stockholm syndrome, 102 277 - 278stories as considered by economists, adoption of, 194-195 267-268 and fear, 193 evolution of, 181 means of creating, 278 as catalyst for identity formation, 171 of actions rather than words, 340 examples, 193-194 role of in symbolic expenses, 330 subconscious, see unconscious mind truth, 27, 37, 119 subliminal phenomena, about bananas, 317-318 see unconscious mind humans' capacity to ignore, 117-119 submissive behavior, 132-135 irrelevance of in the development of supermarkets, 277-278 love, 119 supernatural entities, see also religion, 118 uncertainty Suriname, 75 as an economic opportunity, Sweden, 284 245-246 symbolic expenses, see religion, 24–27, as an economic risk, 233-235 328-331 unconscious mind, 87, 93-95 symbols, see power unemployment, 50, 279-280, 282 United States, see America Tantalus, 127 unseen entities, see abstractions, tastes power, reciprocity, ideology accounting for, 224 used-car salesman, 237 tax-paying behavior, see also history, 19-23, 59, 191-192, 276-277, violence, see also punishment, power, 325-328 obedience, 35 taxation, see also history, 19, 22, 59, state monopoly of, 56, 177 272, 307-308 threat of, as means of manipulation, taxi drivers, 292 175 - 177technological change, 229, 234 voting, see also elections, 17-19, 159, testosterone, 135 324-325 Theoi, the market maker, 172 within democracies, 286-287 threats, see punishment tobacco, 234-235 trade, see international trade, contact wage-work contract, see also qualifications, monitoring, makers, comparative advantage 181-182, 277 trade barriers, 2, 9-11, 309-310 Wales, 170 trade links, see contacts War on Terror, 169 trade networks, see networks "warm glow," see altruism transaction costs, see also search, 5, William the Conqueror, 177 means of lowering, by the state, 245, 275-277 Xhosa kingdom, 192-193 transition economies, see also economic systems Zimbabwe, 75 (comparative) Zulu warriors, 78 advice for, 263-266