Cambridge University Press & Assessment 978-1-009-57032-9 — The Interaction Engine Stephen C. Levinson Index More Information

Index

adaptation, 2, 4 by culture, 61 for language, 5, 11 to multimodality, 7 address forms, 117, 131-132, 135 polite pronouns, 134-137 adjacency pairs, 23-24, 26, 46-47 expansions of, 47 insertions in, 48 aggression, 147, 159 in chimpanzees vs. humans, 147 in humans, 92 alloparenting, 70, 91, 152 in humans vs. apes, 85 and shared communication system, 85 altruism, 31, 83, 86 animism, 165-166 antiquity of language, 64 apes, 19 and empathy, 84 gestures of, 77 in mother-infant dyads, 91 limited cooperation among, 31 and theory of mind, 81 vocalizations, 59 apologies, 117 arcuate fasciculus, 5, 11 articulators, involved in communication, 17 ASD. See autism assertions, 51 autism, 29, 93, 160 symtoms of, 157 bad news, ameliorating, 118 biases in cognition, 103 interactional, 165 in language evolution, 2

Bickerton, D., 105 biology, and language, 5, 10 bipedalism, and bodily signals, 161 Birdwhistell, R., xi blinking, in interaction, 21 bonobos, 59, 155 Bougainville, 4 brain. See also encephalization and intent recognition, 15 and language, 5, 11, 62, 160 oscillations, 66 and reading, 76 reorganization in H.ergaster, 62 brain imaging and intent recognition, 15 and turn-taking, 38-39 breathing and evolution of language, 61-62, 160 and speech, 63 and turn-taking, 40 and vertebral column, 61 Broca's area, 5, 11, 62, 160 Brown, P., 119 Brown, R., 135-136 Campbell's monkeys, 58 carrying capacity, for culture, 6, 8, 151 child development, 68, 149 children care of, xii, 55. See also parenting deaf, 12 development of, 68, 79 chimpanzees, 2, 59-60, 72, 107, 147 aggression in, 147 facial expressions, 162 fission/fusion groups, 113, 154 gestures of, 19, 59, 153 infant care, 85 vocalizations, 61

in reasoning, 166

Cambridge University Press & Assessment 978-1-009-57032-9 — The Interaction Engine Stephen C. Levinson Index <u>More Information</u>

194

Index

Chomsky, N., 2, 95, 105, 155 communication bridging human vs. animal, 104, 149 broadcast system of, 111 continuities across primates, 55 Gricean, 14 origin of human, xii systems of animal, 10, 54 without language, 1, 3, 11-13, 149 communicative signals vs. instrumental actions, 81 consciousness, prominence of interaction in, 167 constructions, linguistic, 103, 156 content analysis, of conversation, 113 contingency between utterances, 7, 23 conventions, 1, 15, 155 conversation analysis, 38, 45, 47, 96, 132 and double tasking, 38 micro-politics of, 117 self-correcting character, 26 solves theory of mind imponderables, 112 conversational inference, 33, 165 and logical error, 166 conversational structure, 46-51 strongly universal, 50 conversational topics among Ju/'hoansi (!Kung), 114 in English, 114 in Tenejapa vs. Rossel Island, 116 cooperation, 31, 108 and communication, 25, 32 vs. competition, 113 and empathy, 94 and evolutionary theory, 84, 109 in language use, 32, 54 and oxytocin, 93 cooperative parenting, 60. See also alloparenting cooperative principle, 33 coordination in interaction, 25 cuteness, 70, 86 Japanese cult of, 86 releasers, 86 and selection, 89, 150 as runaway process, 90 and theory of mind, 91

Darwin, C., 84, 90, 92, 128, 141 Denisovans, 62 design features, of human communicative interaction, 26 diversity vs. human commonality, 4 of language and culture, 2, 4, 9 of languages vs. fixed physiology, 149 of linguistic structure vs. use, 11 domestication, 92 self- or auto-, 92 Down syndrome, 29, 159 duetting, in animal communication, 56 Dunbar, R., 110, 112-113 Durkheim, E., 119 embedding. See recursion empathy cognitive and affective, 82 and communication, 104 and culture, 82 generalized in humans, 86 and oxytocin, 84 encephalization, group size and, 110 epistemics, 118 ethology human, 5, 55 primate, 71 Evans, N., xiv evolution of infrastructure for language, 5 of language, 149, 151 puzzle of diversity, 5 exchange. See also grooming delineates hierarchy, 138 of food, 138-139 intimate stuff vs. tribute, 134 laws of, 134 patterns as atoms of social systems, 139 symmetrical vs. asymmetrical, 133 of T vs. V pronouns, 136 valuation of, 133-142 face challenges to, 102

as evolved for signalling, 162 hiding of, 124

Cambridge University Press & Assessment 978-1-009-57032-9 - The Interaction Engine Stephen C. Levinson Index More Information

Index

loss of, 128 rituals of, 119, 130 strategies to preserve, 120 facial expressions, 17 facial recognition vs. voice recognition, 162 false-belief understanding, 82 first contact, 11 Fisher, R. A., 89-90 fission/fusion social structure, 112, 132, 151-152 fitness, 90, 94, 105, 109 and parenting strategy, 85 footing, 144 free riders, 94, 108 and evolutionary theory, 109 Frith, U., 157 games prisoner's dilemma, 109 zero-sum vs. coordination, 25 gaps in interaction. See also silence sensitivity to, 40, 56, 161 gaze, 19, 22, 81 in apes, 60 and multimodality, 21 mutual, 86, 108 genes ancient DNA, 62, 66 and language, 62, 64, 160 gesture, 19, 152 of apes, 52, 59-60, 104 early human protolanguage, 19, 60-61, 64, 71, 94, 105 in infancy, 71 and spatial cognition, 77, 150 Gilman, A., 136 gods, 4 Goffman, E., xi, 117, 121, 143 gorillas, 59 gossip, 109, 154 Gould, S. J., 86 grammar and alternative phrasings, 101 as frozen conversational strategies, 103 and innateness, 103 and interaction, 96-104 interactional construction of, 97 and interactional sources, 95

grammatical relations, and spatial concepts, 74 grammaticalization, 74, 103 grandmothers, 85 greetings, 7, 22, 28, 143 Grice, H. P., 14, 16, 32-33, 121 grooming, 107, 110, 140 vs. gossip, 111 group selection, 32, 84 group size cost of servicing, 108 predicted by encephalization, 110 Guugu Yimithirr, 73, 75, 77 Haeckel, E., 67 Haillom, 75 hand degrees of freedom of, 17 as possibly evolved for sign, 161 hearing sensitivity, and language, 62, 160 heterochrony, 68. See also neoteny Hick's Law, 36 hippocampus, 73-74, 80 and language, 75, 77 and social maps, 80 home sign, 12, 15, 82, 95 Homo erectus, 61-62, 94 Homo ergaster, 61 Homo habilis, 55 Homo heidelbergensis, 64 honorifics, 118, 135, 155. See also address forms in patterns of exchange, 137 SE Asian levels, 137 Hrdy, S. B., 91-92, 147 human early. See under Homo variation, 2 Hurford, J., 105 Huxley, T. H., 3-4, 11 imagined dialogue, 159, 163 imperatives, 51, 98, 100 India, caste system, 138 indirection, 121, 155 Inhelder, B., 79 inner speech, 164 institutions, constructing, 142-147

intent recognition, 8, 25, 81

195

Cambridge University Press & Assessment 978-1-009-57032-9 — The Interaction Engine Stephen C. Levinson Index <u>More Information</u>

196

Index

interaction antagonistic vs. cooperative, 25 deprivation of, 163 design features of human, 26-29 driven by imbalances, 119 enables language, xii face-to-face character, 17, 26 factors motivating intensity, 107-113 human adaptations for, 160 impairments of, 29, 159 niche for language use and acquisition, 156 of other animals, xii and psychiatric conditions, 163 structure of, 24 with supernatural beings, 164 and synchronization, 160 time spent in, 107-108 under researched, xii, 167 interaction engine, 149 antiquity of, 106 bootstrapping into language, 55 coherence of parts, 29, 156 components of, 6-8, 54 layered evolution of, 151, 157 as layered system, 5 interaction social, caution in, 117 interactional abilities, 149 interbreeding, of ancient hominins, 66 interrogatives, 51 Jefferson, G., xi joint attention, 16 joking, 115, 122 in matrilineal vs. patrilineal societies, 23, 122 Joyce, J., 163 Ju/'hoansi (!Kung), 114 Kendon, A., xi

Keynes, J. M., 165 kin, and natural selection, 31, 84 kinship, 3–4 atom, 122, 132

Labov, W., 113 language acquisition, 16, 149, 156 dating of origin, 153

design space of, 10 diversity. See diversity evolution, 10, 104 as symbolic code, 105 uniquely diverse communication system, 4 usage universals, 31 language production, 36 vs. comprehension, 36 and comprehension in parallel, 38 laughter, 128 lemur, 56 Levelt, W., 36 Lévi-Strauss, C., 122 lexicon, size of, 36 localism, 74, 76 Lorenz, K., 86-87, 90 Machiavellian intelligence hypothesis, 112 magic and witchcraft, 164 marmosets, 56 maxims of conversation, 33 meaning by convention vs. inference, 12, 15 Grice's theory of, 14 mind reading, 8 Mithin, S., 105 monkeys, xii, 56, 58, 162 Moser, M. B. & E., 73 motherese, 86 mother-infant relation, 59, 70, 85-86, 92, 152 multimodality, 6, 17, 60 binding problem, 19 and gaze, 21 in language evolution, 105 vs. vocal channel, 152 Nariokotome boy (fossil), 61 Neanderthal, 62 audition, 66 brain size, 92 language capacities, 62, 64, 153, 156 language characteristics, 153 technology, 63, 66 neoteny, 87-89 in the brain, 89 vs. heterochrony, 87

Cambridge University Press & Assessment 978-1-009-57032-9 — The Interaction Engine Stephen C. Levinson Index <u>More Information</u>

Index

New Guinea, 11-12

island of, 3 languages of, 4 Newton, I., 165 O'Keefe, J., 73 ontogeny, recapitulating phylogeny, 67 opioides, upregulated in humans, 107 orangutans, 60 oratory, 145 and political leadership, 145 other minds. See theory of mind oxytocin, 93, 152, 157-158 pandemic, xi, 163 parenting, 85-86. See also alloparenting pauses, and negative inferences, 41 phoneme inventories, 4 Piaget, J., 79, 86, 166 Planer, R., 105 plans, reconstructing in comprehension, 24 pointing, 19, 71, 79 politeness, 107, 119-121, 147 formula for computing, 120 motivated rationally vs. by convention, 121 negative, 131 and plural pronouns, 136 positive, 130 Prader Willi syndrome, 93 prediction in conversation, 38 in turn-taking, 38 preference organization, 102 pre-sequences, 48 primates, 54, 56 and alloparenting, 85 exchange and social structure, 139 social structure, 135 projection. See prediction pronouns. See address forms propositions, 52, 80, 95-96, 100 concept of, 51 proto-conversation, 68 questions, 22, 47, 51, 101, 142

early detection of, 98

expecting affirmation, 102 as repair initiators, 99 unmarked, 51 Radcliffe-Brown, A., 122 radical translation. See communication, without language rationality, of language use, 33 reaction time, and turn-taking, 35 recursion, 24, 95, 98, 155 in action sequences, 49 deeper than in grammar, 50 relative clauses, interactionally constructed, 97 repair and chunking of utterances, 99 in conversation, 45-46 and grammar, 100, 155 response, planning, 38 ritual constraints. See politeness; rituals ritualization, of communicative acts, 25, 60, 155 rituals interactional, 151 positive and negative, 119 Rossel Island, 3-4, 12, 22, 82, 85, 94, 116, 124, 144-145, 151 Rotokas, 4 Sacks, H., xi Sapir-Whorf hypothesis, 164 Schegloff, E., 47, 132 Schelling, T., 15-16 sclera, 19 selection for cuteness, 89 sexual, 89 semantic concepts, and spatial cognition, 75, 94, 100 sentence types, 51-52 sequence structure, 46-51 sequences of utterances, 47 universal syntax of, 50 sign language, 44, 105 . Kata Kolok, 79 and turn-taking, 44 silence, 41-42 as signal of problem, 102

Cambridge University Press & Assessment 978-1-009-57032-9 — The Interaction Engine Stephen C. Levinson Index <u>More Information</u>

198

Index

skull shape and neoteny, 88 and self-domestication, 92 social distance, 120 horizontal vs. vertical, 135 social media, xiii social relationships constructed through language, 119, 131 managing, 131, 150 as rights and duties, 132 three types, 133 social structure computing hierarchy from exchange, 141 constructed vs. inherited, 132 and spatial concepts, 135 sorcery, 12, 83, 94, 144, 165 spatial cognition, 149 and frames of reference, 75 and gesture, 80 and hippocampus, 73 human poor abilities, 72 perspective taking, 79, 150 and propositional structure, 100 as source of language structure, 74 spatial language, cardinal directions, 73, 154 speech, slow compared to comprehension, 36 speech acts, 46 culture specific, 22, 52 and imperatives, 51 linguistic packaging of, 100-101 no fixed form-meaning mapping, 51 performatives, 144 universals of, 22, 51 speech events, 143 Sterelny, K., 105 symbolism, 63 of exchange, 134, 136, 147 syntax. See grammar teasing, 121-128 function of, 128 structure of, 122 target of, 122 Tenejapa, 116, 124

as computationally explosive, 111 in human development, 82 origin of, 82 and propositional attitudes, 154 timing of gaps between turns, 40 of turn-taking, 7, 35, 38, 40 Tok Pisin, 97 Tomasello, M., 16, 31, 52, 105, 113, 147 truth telling, 33-34 turns 1500 per day, 17, 108 average length, 17 collaboratively constructed, 98 ending signals of, 40 front-loading of, 98 informationally compressed, 70–71, 157 interactionally constructed, 96 turn-taking, 17, 34-45 across the primate order, 60 cognitive complexity of, 40 conserved nature of, 56-60 constraints in institutions, 142 faster than thought, 38 and grammar, 96, 98 and human evolution, 60 in infancy, 68, 70 institutional, 142 and intersubjectivity, 34 of monkeys, 56 multimodal nature of, 42 and overlaps, 40 as primate heritage, 71 phylogeny of, 55 rules for, 35, 40 in sign languages, 44 stable across populations, 42 timing as ancient, 152 vocalizations without, 35, 68 Tylor, E. B., 166 Tzeltal, 116 Mayan language, 17 universals concept of, 30 of conversational repair, 45 and exceptions, 3 of grammar, 2, 9, 30 of language, 2, 30, 52

theory of mind, 81, 104-105, 108

Cambridge University Press & Assessment 978-1-009-57032-9 — The Interaction Engine Stephen C. Levinson Index <u>More Information</u>

Index

exceptions to, 9 use, 30, 33 of patterns of address, 136 of sequence organization, 50 and shared descent, 3 of turn-taking, 42, 146

vocal apparatus, human, 5

way-finding, 72 Weber, M., 113 Wiessner, P., 114 Wernicke's area, 5, 11 Wrangham, R., 93 writing, 77

Yélî Dnye, 4, 22, 116

199