

Cambridge University Press & Assessment

978-1-107-60240-3 — The Science of Language: Interviews with James McGilvray

Noam Chomsky , Compiled by James McGilvray

Index

[More Information](#)

Index

- abduction, 168, 183, 246, 248
- acquisition of language, 225, 244
 - adequate explanation of, 22, 60, 149, 235, 244, 245, 246
 - behaviorist view of, 222, 224
 - and biological development, 59
 - and canalization, 39
 - early timing of, 55, 56
 - and the format of language, 82
 - and grammar, 24
 - and linguistic theory, 24
 - and parameters, 97
 - and poverty of the stimulus, 23
 - and semantics, 193
 - study of, 84
 - universal principles of, 245
- activism, 119
- adaptation, 157, 169
 - evidence for, 170, 172
- adaptationism, 68, 171, 172
- adjunction, 201, 234, 264
- agency, 124–128
- algorithms, 64, 166
- altruism, 104, 106
- animal communication systems, 12, 20, 33, 197, 262
- animals, and concepts, 26, 30, 33, 203
- Ariew, André, 277
- Aristotle, 26, 162, 163
- articulatory system, 69
- Austin, John, 129, 160
- baboons, 143, 202
- Baker, Mark, 39, 55, 83, 241
- bees, 20, 106
- behavior, study of, 138–151, 286
- behaviorism, 66, 89, 186, 285
 - criticism of, 285
 - and evolution, 173
 - and language acquisition, 222, 225, 282, 284
 - and learning, 180
- belief, 138, 140
 - I-beliefs, 153–156
 - irrational, 140
 - religious, 141
 - study of, 139
- Berkeley 127
- Bilgrami, Akeel, 113
- binding theory, 37, 237, 238, 276, 290
- biolinguistics, 5, 91, 246
- biological limits, 133–137
- biological systems, properties of, 22
- biology, 157
 - autonomy of, 175
 - explanation in, 158
 - folk biology, 223
 - function-for-an-organism, 169–174
 - functions in, 174–175
- Bloom, Paul, 166, 170, 172, 176
- Boltzmann, Ludwig, 18
- Borer, Hagit, 166, 194, 229
- Boyle, Robert, 67
- Bracken, Harry, 114
- Braille, 44
- brain, 60; *see also* cognitive faculties
 - evolution of, 49
 - size of, 54
 - structures of, 48
- bricolage, 24, 243
- British Empire, 121, 122
- Brody, Michael, 83
- Burge, Tyler, 130, 289
- Butterworth, Brian, 16
- Byrd, Robert, 123
- c-command, 79, 232–238, 276
- canalization, 39–45, 96, 239–242, 278, 279, 286
 - and parameters, 45, 276–277
- Carey, Sue, 72, 97, 128
- Carnap, Rudolf, 250
- Carroll, Sean B., 279
- Carruthers, Peter, 162
- causation, 141, 193, 198

Cambridge University Press & Assessment

978-1-107-60240-3 — The Science of Language: Interviews with James McGilvray

Noam Chomsky , Compiled by James McGilvray

Index

[More Information](#)

314 Index

- chemistry, 19, 65, 73, 88, 156
 Cherniak, Christopher, 60, 277
 children
 acquisition of language, 56, 244–246
 dysarthria, 43
 language capacities of, 70
 speech production, 281
 Williams Syndrome, 46
 Chomsky, Carol, 44–45
 Chomsky, Noam
 influence of, 2
 intellectual contribution of, 76–79, 285
 on natural science, 183–185
 and Nelson Goodman, 86–92
 personal relationship with Goodman, 91–92
 role of simplicity in his work, 80–85
 Church, Alonzo, 64
 Churchland, Patricia, 212
 cognitive development, 70
 cognitive faculties, 1, 154, 179, 202, 212, 259,
 260, 267, 271, 280
 biological basis of, 103, 172
 distinctiveness of human, 178
 evolution of, 78
 limits of, 97, 133, 134, 146, 184, 189, 247,
 289, 290
 predetermination of, 98
 and truth, 136
 cognitive science, 127, 247
 Collins, John, 277
 color, 247–248
 adverbial account of, 258, 260
 science of, 192, 247, 257, 259
 common sense, 73, 124–128, 180, 189, 209,
 211, 259, 280
 concepts, 161, 271, 272, 284
 understanding of functions, 158–166
 communication, 11–20, 44, 50, 51, 164, 166,
 176
 animal communication systems, 12, 20, 33,
 197, 262
 evolution of, 20, 58
 computation, 31–32, 65, 161, 174, 195, 213,
 281–282
 efficiency of, 39, 60, 61, 148
 linguistic, 265
 optimal, 62
 phases of, 278
 concepts, 26, 202, 267
 acquisition of, 200, 230, 268
 adverbial account of, 260
 of animals, 203
 artifact concepts, 162, 284
 atomic, 34, 275
 Chomsky's views on, 188
 common sense, 267
 commonsense concepts, 126, 161, 267, 271,
 284
 complexity of, 201
 compositional character of, 190, 194, 268
 errors in thinking about, 186–196
 and externalism, 220
 I-concepts, 153–156
 innateness, 284
 and internalism, 198, 255–257
 intrinsic content of, 199
 lexical concepts, 190
 linguistic expression of, 197, 203, 230
 location of, 260
 nature of human, 77, 177, 230, 268, 274,
 284
 origin of, 26
 properties of, 40, 204
 and reasoning, 180
 relational, 35
 scientific, 184, 279
 theories of, 186–194, 196
 under- or overspecification of, 193, 195
 uniqueness of human concepts, 21–30,
 33–35, 196–205, 263
 conceptual intentional systems, 14
 conceptualism, 130
 Condition C, 37, 238, 275
 conjunctivism, 254
 connectionism, 67, 179, 180, 186, 200, 220,
 225, 282
 consciousness, 98
 constructivism, 87, 206, 208, 285
 conventions, 221, 223
 cooperative societies, 103, 105
 corporations, CEOs of, 147
 Crain, Stephen, 254
 creative aspect of language use, 5, 6, 204, 210,
 253, 262
 impact on the study of language, 227, 263
 origin of, 97
 Cudworth, Ralph, 40, 163, 267
 culture, 121, 178
 Dalton, John, 88
 Darwin, Charles, 171
 Davidson, Donald, 35, 112, 139, 140, 141, 166, 198
 Dawkins, Richard, 105
 debating, 116
 decision, 52
 Deep Structures, 233
 democracy, 118
 denotation, 188, 215, 218; *see also* meaning,
 reference
 derivation of sentences, 193, 238, 281

- Descartes, René, 74, 246, 286, 289
 animals, 124, 177
 linguistics, 63, 178
 reason, 124, 139, 178
- description, 90, 134
- design, 50–58, 139, 172, 175, 265
 connotations of the word, 50
- desire, 138
- determinism, 141, 280–281, 290
- development, 46–49, 59, 73, 158, 279
 constraints on, 245
 epigenetic factors, 242
 phenotypical, 171
- Dewey, John, 212
- discourse domains, 207
- displacement, 25, 108
- dispositional terms, 192
- dissection, 203
- dissociation, 16
- dominance hierarchies, 143, 237
- dualism, methodological, 288
- Dummett, Michael, 57
- dysarthria, 43
- economics, 144
- Elman, J. L., 225, 283
- empiricism, 6, 187, 247, 267, 283
 attractions of, 286
 cognitive capacities, 178, 180
 criticism of, 285
 functionalism, 186
- epistemology, 133–137, 157
- Epstein, Samuel, 83
- ethology, 21
- Everett, Dan, 30
- evidence for theories of, 143
- evolution, 12–15, 23, 41, 53, 60, 173, 266, 279, 285; *see also* human evolution
 and behaviorism, 67, 76
 and human nature, 103–107
 minimalist reading of, 78, 200
 natural selection, 58, 76, 104, 143, 157, 172
- evolution of language, 20, 53, 170, 172, 176
 speed of, 24, 44–45, 103
 study of, 51, 77, 105
- evolution–development (evo-devo) studies, 158, 171, 279, 286
- experience, 148
- explanation, 96, 132, 136, 174
 adequacy of, 244, 245
 best theory, 96, 135, 148, 184, 246
 in biology, 158
 and description, 90
 scientific, 128
- externalism, 130, 153, 189, 260, 273, 289
- attractions of, 214
 criticism of, 209–231
- eye, evolution of, 46, 105, 279
- facial recognition, 69
- faculty of language, 36, 74, 172, 177, 243, 260, 270
 adicity, 198, 199
 broad, 36, 172, 269
 narrow, 36, 172, 269
 perfection of, 50
- Ferguson, Thomas, 145
- first factor considerations, 45, 96, 148
- Fitch, W. T., 60, 170, 172, 268, 269
- Fodor, Janet, 55
- Fodor, Jerry, 189, 195, 228, 259
 computational theory of mind, 280
 concepts, 34, 201
 denotation, 191, 218, 219
 evolution, 58, 279
 language of thought, 27, 71, 189, 190, 220, 230, 269
 meaning, 194, 217, 269
 modes of presentation (MOPs), 187, 190, 217, 218, 219, 275
 nativism, 187, 188
- formal languages, 16, 17, 289
- Foucault, Michel, 120
- freedom, 143, 152, 177, 280–281, 290
- Frege, Gottlob, 155, 215, 251
 semantics, 214, 215, 251, 252
 senses, 251, 253
- functions, 11–20, 157–170, 262
 in biology, 169–174
 concept of, 11
 definition of, 167
 formal functions, 166–169
 function-of-an-organ, 174–175
 intensional specification of, 167
 interest-dependent, 158–166
 in mathematics and natural science, 166–169
- Galileo, 18, 88
- Gallistel, C. R., 26, 33, 197, 203, 268
- Gandhi, Mahatma, 114, 144
- garden path sentences, 50
- Gauss, Carl F., 127
- Gehring, Walter, 46, 171, 258, 279
- genes, 46–49, 148, 173
 master genes, 279, 280
 and Merge, 49
 PAX-6, 46, 280
 universal genome, 53
- Gleitman, Lila, 196
- Godwin, Richard, 123

Cambridge University Press & Assessment

978-1-107-60240-3 — The Science of Language: Interviews with James McGilvray

Noam Chomsky , Compiled by James McGilvray

Index

[More Information](#)

316 Index

- Golinkoff, Roberta, 196
 Goodman, Nelson, 81, 83, 88, 261, 285
 behaviorism, 89, 285
 and Chomsky, 86–92
 constructivism, 285
 nominalism, 87, 91
 personal relationship with Chomsky, 91–92
 Gould, Stephen J., 158, 170, 172, 173
 grammar, 277–278
 and acquisition of language, 24, 60
 artifacts in theories of, 238
 extensional equivalence of, 153
 finite state, 232
 generative, 63, 85, 91, 96, 99
 generative capacity, 236
 phrase structure, 233, 235
 structure and hierarchy, 236
 transformational, 25
 ‘great leap forward’, 13, 70, 179
 growth, 40, 73, 77
 cognitive growth, 121
 developmental constraints on, 41, 45, 158
- Haldane, J. B. S., 51, 53
 Hale, Kenneth, 17, 62
 Halle, Morris, 21
 Hamilton, William D., 104
 Harman, Gilbert, 100
 Harris, Zellig, 38, 80, 81, 86
 Hauser, Marc, 100, 109, 286
 evolution of communication, 12, 58
 faculty of language, 60, 170, 172, 268, 269
 hearing, 48
 Helmholtz, Hermann von, 73, 97
 Herbert of Cherbury, 181
 Higginbotham, Jim, 129, 130
 Hirsh-Pasek, Kathy, 196
 homunculus, 37, 290
 Hornstein, Norbert, 29, 183, 265
 human behavior, 138–151, 286
 human evolution, 2, 13, 71
 developmental constraints on, 41
 ‘great leap forward’, 13, 70, 77
 human nature, 95–102, 108–112
 and biological capacities, 95
 Chomsky on, 95–102
 determined and uniform, 95, 99
 distinctiveness of, 176–179
 enlightenment conception of, 142
 and evolution, 103–107
 ‘great leap forward’, 179
 moral agency, 101
 plasticity of, 121
 humanitarian intervention, 121, 122, 287
 humans, genetic variation, 13
- Hume, David, 26, 90, 99, 106, 179
 color problem, 247–248, 286
 theory of moral nature, 63, 99, 109
 Huxley, Thomas, 23
- I-beliefs, 153–156
 definition of, 156
 I-concepts, 153–156
 definition of, 155
 I-language, 81, 153–156, 164, 239, 258,
 266
 intensional specification of, 167
 imagination, 70, 161
 inclusiveness, 62, 281
 induction, 88, 90, 95
 inference, 73, 165, 221
 information, 208, 213, 218, 228, 229, 254
 pragmatic, 30
 semantic, 29, 260
 innateness, 39–45, 60, 89, 91, 255, 267, 284
 innatism, 123
 innovation, 71, 74, 95, 177, 178, 185, 282
 technological, 145
 insects, study of, 147
 instinct, 96, 143, 178, 181, 247, 248, 287
 instrumentalism, 211
 intention (see also nativism), 163
 internalism, 6, 228, 248, 262–263, 269, 287
 and concepts, 188, 190, 209, 255–257,
 260, 272
 intuitions, 125, 126
 island sentences, 50
- Jackendoff, Ray, 170, 172
 Jacob, François, 24, 53, 60, 243
 Joos, Martin, 145
 justice, 120
- Kahneman, Daniel, 140
 Kant, Immanuel, 90
 Kauffman, Stuart, 21, 22, 266
 Kayne, Richard, 55, 84, 241
 Keller, Helen, 45
 Kissinger, Henry, 101, 107, 113, 287
 Klein, Ralph, 111
 knowledge, 70, 193; *see also* information
 Kripke, Saul, 126
 Kropotkin, Peter, 103, 111
- language
 and agency, 124–128
 as an animal instinct, 178
 and arithmetical capacities, 16
 and biology, 21–30, 80, 235, 284
 biophysical explanations of, 208

- and brain morphology, 46
 capacity for, 70, 164
 characteristic uses of, 11–12
 cognitive benefits of, 2
 competence and use, 63
 and complex thought, 1
 complexity of, 52, 146
 compositional character of, 37
 computational theory of, 174, 272
 and concepts, 71, 198
 conceptual resources of, 212
 displacement property, 16
 distinctive features, 22
 domination, 232–238
 expectations for, 54
 externalization of, 52, 78, 79, 153, 222, 278
 flexibility, 95, 162, 197, 210, 224, 227
 formal languages, 16, 17, 289
 formal theory of, 21–30
 functions of, 11–20, 164, 165
 generative capacity, 49
 head-first, 240
 hierarchical structure, 232–238
 I-language, 153–156, 164, 239, 258, 266
 interface conditions, 25
 internal, 37
 internal, individual and intensional, 37, 154, 167
 internal use of, 52, 69, 124, 153, 160, 197, 262–263, 272–274
 a ‘knowledge’ system, 187, 193
 localization of, 46, 59, 69–74
 and mathematics, 181
 modularity of, 59
 movement property, 16, 85, 108, 264–265
 as a natural object, 2, 7
 nominalizing languages, 155
 open texture of, 273
 and other cognitive systems, 271
 phonetic features, 42
 phonological features, 42, 57
 precursors of, 43, 77
 properties of, 22, 37, 60, 62
 public language, 153, 288
 purposes of, 224
 and reason, 181
 result of historical events, 84
 rules of, 165, 221, 223, 224, 225, 283, 284
 and science, 124–128
 sounds available in, 282
 structural features of, 42
 structure of, 236, 277–278
 study of, 36, 76, 79, 154; *see also* linguistics
 theories of, 164, 193, 239, 243, 285
 unboundedness, 177, 262
 uniqueness to humans, 150
 variation in the use of, 164, 239–242
 language faculty, 74, 172, 177, 243, 260, 261, 270
 adicity requirements of, 198, 199
 perfection of, 50
 language of thought, 27, 71, 189, 190, 220, 230, 269
 Lasnik, Howard, 85
 learning, 95, 180, 200, 226, 281, 282
 empiricism and, 173, 179
 learning a language, 187, 225, 226
 Lenneberg, Eric, 21, 43, 47, 59
 Lepore, E., 195
 Lewis, David, 153, 165, 220, 222, 223, 224
 Lewontin, Richard, 58, 157, 170, 172, 173, 175, 231
 lexical items, 62
 categories of, 234
 origin of, 46
 liberalism, 98
 linguistic communities, 222
 linguistic development, 39;
see also development
 linguistic practices, 221, 223
 linguistic principles, 237, 276
 linguistics, 19, 36, 82, 145
 and biology, 150
 first factor considerations, 45, 96, 148
 and natural science, 38
 and politics, 152
 procedural theories in, 149
 second factor considerations, 148, 277
 structural, 80
 theories of, 87, 265
 third factor considerations: *see separate entry*
 Locke, John, 26, 125, 267
 personal identity, 31, 271
 secondary qualities, 256
 logic, formal, 251
Logical Structure of Linguistic Theory, 84–85
 Lohndal, Terje, 57
 Lorenz, Konrad, 21
 Marx, Karl, 122
 mathematics, 127, 165, 214, 215, 266
 capacity for, 15, 136
 formal functions in, 166–169
 and language, 181
 semantics for, 251, 252
 Mayr, Ernst, 174
 meaning, 29, 98, 199, 206, 250, 252, 270, 273
 computational theory of, 213
 construction of a science of, 226–230

318 Index

- meaning (cont.)
 - externalist science of, 209–220
 - methodology for a theory of, 226, 227
 - study of, 261
 - theories of, 221
 - theory of, 212, 214, 217, 226
- Mehler, Jacques, 55
- Merge, 16, 77, 91, 181, 236, 243, 263, 279–280
 - centrality of, 41, 60, 62, 176, 245
 - consequences of, 17
 - and edge properties, 17, 41
- Merge, external, 17, 166, 201, 238, 263
- Merge, internal, 16, 25, 29, 85, 201, 238, 264
 - mutation giving rise to, 43, 52
 - origin of, 14, 15
- Pair Merge, 201, 264
 - and psychic identity, 28
 - uniqueness to humans, 25, 200, 205
- metaphor, 195
- metaphysics, 125, 157
- Mikhail, John, 63, 99, 100, 109, 129, 286
- Mill, John Stuart, 121, 122, 287
- Miller, George, 81
- mind
 - as a causal mechanism, 138
 - computational sciences of, 247
 - computational theory of, 280
 - philosophy of, 186, 255
 - place of language in, 69–74
 - representational theory of, 162, 188
 - science of, 138–151, 212, 288
 - theory of, 14
- Minimalist Program, 24, 83, 84, 233, 235–236, 237, 245, 246, 264
 - and adaptationism, 172
 - aim of, 42, 199
 - simplicity and, 80, 243, 285
- modes of presentation (MOPs), 187, 190, 217, 219, 275
 - roles of, 218
- morality, 99, 100, 109, 287
 - character of, 110
 - conflicting systems, 114
 - generation of action or judgment, 110
 - moral truisms, 101, 102
 - theories of, 110, 135
 - trolley problems, 109
 - and universalization, 113–117
- Moravcsik, Julius, 164
- morphemes, 81, 149
 - morphology, 52, 54, 195
 - distributed, 27
 - and syntax, 200
- Morris, Charles, 250
- Move, 108
- mutations, 14, 43, 170, 171
 - survival of, 51, 53
- mysterianism, 97
- Nagel, Thomas, 98
- Narita, Hiroki, 57
- nativism, 187, 217, 283
- natural numbers, 204
- natural sciences, 18, 38
- natural selection, 58, 76, 104, 143, 157
- Navajo language, 277
- neural networks, 225
- neurophysiology, 74
- Newton, Isaac, 66, 67, 72, 88, 127, 134
 - alchemy, 67
- nominalism, 87, 91
- non-violence, 114
- Norman Conquest, 84
- objective existence, 169
- optimism, 118–123, 288
- parameters, 39–45, 54, 239–242, 277, 282, 283
 - and acquisition of language, 241
 - choice of, 45, 83
 - developmental constraints in, 243
 - functional categories, 240
 - head-final, 55, 240
 - headedness macroparameter, 241, 276
 - linearization parameter, 55
 - macroparameters, 55
 - microparameters, 55, 84, 241
 - polysynthesis, 55
 - and simplicity, 80
- Peck, James, 288
- Peirce, Charles Sanders, 96, 132, 184, 250
 - abduction, 168, 183, 246, 248
 - truth, 133, 136
- perfection, 50–58, 172, 175, 263–264, 279
- person, concept of, 125, 126, 271, 284
 - ‘forensic’ notion of, 125
- persuasion, 114, 116
- Pesetsky, David, 30
- Petitto, Laura-Ann, 48, 78
- phenomenalism, 211
- philosophers, 129–131, 282, 283
 - contribution of, 129
 - contribution to science, 129
- philosophy, 181
 - accounts of visual sensations, 255–257
 - of language, 35, 273
 - of mind, 186, 255

Index

319

- problems in, 286
- and psychology, 140
- phonemes, 81
- phonetic/phonological interfaces, 161, 194, 253, 278
- phonology, 28, 40, 52, 54, 57, 109, 208
- physicalism, 187
- physics, 19, 65, 106, 144
 - and chemistry, 65
 - folk physics, 72
 - theoretical, 18, 65, 73, 100
- Piattelli-Palmarini, Massimo, 140, 246, 279
- Pietroski, Paul
 - concepts, 47, 199, 200, 209
 - semantics, 198, 211, 223, 229, 254
- Pinker, Steven, 166, 170, 172, 176
- Pirahã language, 30
- Plato, 115
- Plato's Problem, 23, 195, 236, 244, 246, 266
- Poincaré, Henri, 65
- politics, 116, 119, 145, 146, 152
- poverty of the stimulus observations, 5, 23, 40, 177, 200, 227, 233, 262
- power, 120
- pragmatic information, 30
- pragmatics, 36, 130, 250–254, 289
 - definition of, 250
 - and reference, 253
- principles and parameters approach to
 - linguistic theory, 24, 53, 235, 236, 240, 245, 276
 - language acquisition, 60, 82, 83, 149
 - and simplicity, 246
- progress, 118, 145, 183
- projection problem, 83, 89
- prosody, 37
- psychic continuity, 26, 205, 207, 271
- psychology, 219
 - of belief and desire, 138, 141
 - comparative, 21
 - evolutionary, 103–107, 111
 - folk psychology, 72, 141
 - and philosophy, 140
 - rationalistic, 255
 - scientific, 140
- psychology, comparative, 21
- public intellectuals, 122
- Pustejovsky, James, 164, 195
- Putnam, Hilary, 95, 126, 138
- Quine, W. V. O., 32, 68, 89, 153, 215, 273, 288
- rationalism, 5, 178, 181, 260, 283
- rationality, 114, 140, 142, 178, 180, 181, 265
 - scientific, 105, 123
- Rawls, John, 129
- realism, 209, 211
- reality, psychological, 73
- recursion, 51, 62, 64, 77, 167, 176, 179, 204, 267; *see also Merge*
- reference, 28, 29, 34, 160, 215, 220, 250
 - Chomsky's views, 188, 253, 268, 269–270, 273
 - and concepts, 206, 219
 - and truth, 191, 207, 230, 251
- Reinhart, Tanya, 79
- relation R, 207
- relativism, 121
- religious fanaticism, 123
- representation, 31–32, 160, 162, 187, 257, 259
 - discourse representation theory, 207
 - internal, 32
 - phonetic, 32
- Republican Party, 119, 140
- responsibility to protect, 287
- Rey, Georges, 32, 273
- Rousseau, Jean-Jacques, 142
- Russell, Bertrand, 65, 134
- Salazar-Ciudad, J., 279
- Schlegel, A.W., 63
- science, 18, 38, 75, 124–128, 165, 183, 211, 290
 - achievements of, 74, 183, 184
 - best explanation in, 96
 - capacity to do, 19, 72, 90, 128, 133, 134, 246
 - Chomsky's views on, 183–185
 - cognitive faculties, 127
 - concepts in, 184
 - concepts of, 279
 - data-orientated character of, 65–68
 - evidence for theories of, 66
 - experimental method, 147
 - formal functions in, 166–169
 - formal theories in, 18–19, 289
 - goal of, 88, 183
 - 'great leap forward', 72
 - history of, 108
 - innovation in, 74
 - limits of, 105, 106
 - Machian tradition in, 65
 - methodology of, 243
 - of the mind, 280
 - problems in, 65–68
 - rationality in, 116, 123
 - regulative ideal of, 90
 - and simplicity, 88, 246, 285
 - social implications of, 98
 - syntax of, 72
 - theories in, 73, 167
 - and truth, 184
- second factor considerations, 148, 277

320 Index

- Sellars, Wilfrid, 153, 179, 220, 284
 behaviorism, 180, 222, 284
 concepts, 279, 284
 linguistic practices, 223, 224, 239
 meaning, 220
 mind, 186, 283
 semantic features, 164, 211, 228, 253
 lexical, 193
 science of, 190
 semantic information, 29, 189
 semantic interface (SEM), 54, 189, 191, 194,
 255, 258, 259, 270, 272, 278
 features at, 161, 257
 information provided at, 29, 161, 260, 270,
 285
 production of concepts at, 278
 status and role of the information provided
 at, 270
 and syntax, 40, 79
 semantics, 35, 36, 160, 193, 206–229,
 250–254, 287
 Chomsky's views on, 206
 definition of, 250
 dynamic, 207
 externalist, 208, 212, 215, 220–231
 Fregean, 216
 functionist theory, 229
 internalist, 208, 212, 227, 270
 mathematical, 251, 252
 mental models, 207
 science of, 210
 as the study of signs, 251
 and syntax, 207
 theoretical aim of, 208
 senses, 187, 215, 251
 sensory experience, 255–257
 adverbial account of, 256, 260
 configuration by the mind, 258
 sensory-motor systems, 14, 42, 48, 51, 78, 203
 adaptations of, 77
 and parameters, 54
 ship of Theseus, 125, 271, 288
 simple recurrent networks, Elman, 283
 simplicity, 59–64, 86, 89, 243–246, 265, 281
 in Chomsky's work, 80–85
 different notions of, 87
 internal, 80, 82, 285
 internal notion of, 87
 in the language faculty, 61
 theoretical, 80
 Skinner, B. F., 67, 76, 158, 173, 285
 slavery, 118, 119, 143, 144
 slime molds, 175
 Smith, Adam, 106
 social sciences, 100, 138, 144, 145, 146
 sociobiology, 103–107
 Spelke, Elizabeth, 70, 100, 109, 177, 268
 Spell Out, 278
 stereotypes, 194
 storytelling, 27, 128
 superior temporal gyrus (STG), 48, 78
 Suppes, Patrick, 88
 syntax, 36, 54, 112, 195, 250–254, 261,
 288
 definition of, 250
 generative, 232
 mapping to the semantic interface, 40
 and morphology, 200
 narrow, 79, 240, 269
 and reference, 269
 and semantics, 207
 study of, 269
- Tarski, Alfred, 215
 teaching, 115
 theory of mind, 14, 31
 third factor, 45, 46, 80, 82, 132, 167, 245, 277,
 278, 283
 and language acquisition, 59, 96
 study of, 147, 149, 236
 Thompson, D'Arcy, 21, 137, 171, 266
 Thompson, Judith, 100
 thought, 15, 44; *see also* cognitive faculties,
 mind
 Tinbergen, N., 21
 Tomalin, Marcus, 267, 285
 Trivers, Robert, 105, 106
 trolley problems, 109
 truth, 114, 206, 221, 229
 conditions for, 273, 274
 objective, 135, 136
 and reference, 191, 207, 230, 251
 and science, 133, 184
 truth indications, 273, 274, 287
 Turing, Alan, 157, 171, 266
 computation, 32, 266
 morphogenesis, 23, 76, 137, 172
 Tversky, Amos, 140
 understanding, 132, 192; *see also* cognitive
 faculties, mind, thought
 Universal Grammar, 30, 39–45, 54, 99, 149,
 154, 167, 245
 biological character of, 23, 24, 154, 277
 and Merge, 246
 nature of, 41
 principles of, 80
 simplicity and, 59–64
 unboundedness, 82
 universality, principle of, 101, 111, 113–117

Cambridge University Press & Assessment

978-1-107-60240-3 — The Science of Language: Interviews with James McGilvray

Noam Chomsky , Compiled by James McGilvray

Index

[More Information](#)

Index

321

- vision, 48, 171, 192, 247, 255–257
computational theories of, 213
computational theory of, 74
science of, 257
theories of, 248
visual systems, 69, 247, 258
von Humboldt, Wilhelm, 62, 63
Vrba, Elisabeth S., 170
Waddington, Conrad H., 39, 45, 171, 242,
278, 279
wage labor, 118, 120
Wallace, Alfred Russell, 15, 97, 136,
171
Warlpiri people, 17
Warrington, Elizabeth K., 164
water, concept of, 159
Weber’s Law, 204
Weyl, Hermann, 88
Williams Syndrome, 46
Windtalkers, 277
Wittgenstein, Ludwig, 89, 134, 135, 163, 165,
187, 273
philosophical problems, 286
uses of language, 221
X-bar theory, 234–235
schemata, 235
Yang, Charles, 56, 95, 283