

Index

- accommodation of linguistics to biology 18, 19, 24–35
 progress in 25, 35
 acquisition of language 14, 30, 98–106, 144
 empiricist accounts of 21, 144
 internalized rules and 107
 and Platonism 100, 101–102
 preconditions for 107
 rationalist approach to 143
 third factor considerations 33
 adverbs 86, 88
 animal language 63, 64, 69, 120, 124
 appropriateness of linguistic actions 43–44, 61, 70, 120
 Arnauld, A. 87, 140
 art 68, 94, 102, 125–126

 Beauzée, N. 88, 89, 93–94, 96
 Bentham, J. 131
 biolinguistics 4, 24–35
 biology
 accommodation of linguistics to 18, 19, 24–35
 Goethe's 'Urform' 72–73
 growth 33
 Bloomfield, L. 65, 123, 126, 137
 body and mind distinction 79
 Bougeant, G. H. 63–64

 Cartesian linguistics 57, 58, 76, 118
 case systems 87
 children 5, 15, 28
 acquisition of language 14, 15, 16, 17, 23, 101–102, 144
 linguistic creativity 7
 Chomsky, Noam 18–24
 politics 51
 cognition 4, 34, 103, 104
 Descartes's theory of 103, 104, 121
 cognitive science 12, 23
 Coleridge, S. T. 72, 105, 128
 combinatory principles of language 16, 18

 commands 88
 Common Notions 98, 99, 100
 common sense 20, 36, 37, 112, 115
 communication 71, 76, 120, 124
 concepts 10, 16, 18
 computer modeling of 24
 innate 7, 37, 45, 46
 lexical 14
 naturalistic theories of 22
 sentential 14
 conjunctions 89
 connectionism 23, 110, 113
 Cordemoy, Géraud de
 creative use of language 125, 133
 language acquisition 101, 133
 mind 61–63, 79
 Cowan, M. 73
 creative use of language 4, 38–45, 59–77, 109, 125
 central role in human affairs 4
 enjoyment of 9
 explanation of 13
 linguistics and 1, 2, 4, 6–18, 107
 and meaning 8
 reason and 34, 35
 science and 115
 creativity 50, 68, 75, 133
 Cudworth, R. 102–105, 143, 144

 D'Alembert, J. 94
 data analysis, principles of 33
 deep structure and surface structure 26, 27, 78–92, 97
 the Port-Royal grammarians and 26, 96, 134
 democracy 52
 denotation 8
 Descartes, René 1, 36–48, 109
 animals and machines 38–40, 59, 65, 113
 contact mechanics 38, 44, 59, 61–63, 115
 creative use of language observations 4, 38–45, 125
 function of language 124

- ideas 37, 45, 134
- language 61, 65, 66
- mind 38–40, 44, 45–48, 60, 119
- poverty of the stimulus observations 65, 116
- reason 20, 41, 60, 66, 67
- science 36–38
- tests for other minds 38–40, 65, 66, 114
- theory of cognition 103, 104, 121
- descriptivism 140, 141
- determinations 82, 84, 96
- Diderot, D. 131
- dispositions 65
- Du Marsais, César Chesneau 87
 - grammar 88, 93, 95, 96
 - semantic interpretation 139
 - theory of construction and syntax 89–91, 97
- education 48–52, 145
 - empiricism and 49
- ellipsis 90, 134
- empiricism 22, 110
 - and the creative use of language 1, 33
 - and education 49
 - externalism 16
 - and human nature 48
 - language acquisition 16, 20, 21
 - methodological dualism 22, 23
 - and mind 4, 6, 16, 18, 23, 110
 - perception 105
 - study of cognition 23
- Enlightenment views 50
- evolution and development 33
- experience 100, 102
- explanation 27, 93–97, 107, 119, 123, 141
- Fitch, Tecumseh 32
- Fodor, Jerry 12, 22, 110
- form, mechanical and organic 72, 74–75
- Foucault, Michel 109, 112
- free will 2, 35, 61, 66
- freedom 2, 50, 51, 130
 - Humboldt on 73, 130
 - of thought 76
- Galileo, Galilei 36, 125
- generalized learning procedures 16, 17, 21, 144
- generative grammar 57, 69–70, 75, 105, 107, 118, 136
- generative processes 69, 71, 75
- generative theory of language 26, 41, 42, 70
- geometrical figures 104
- Goethe, J. W. von 33, 72–73
- Gould, S. J. 34
- government 49, 51, 73
- grammar
 - adequacy of 28
 - descriptive 93
 - formalized 27
 - general and particular 93–94, 98
 - generative 57, 75, 107, 118, 136
 - philosophical 94, 95, 96, 97, 98, 118, 139
 - phrase structure 27, 29, 86
 - universal grammar: *see* universal grammar
- gravitation 44
- growth 33
- Harnois, G. 139
- Harris, James 67, 71, 78–79, 124–125, 127–128, 145
- Hauser, Marc 32
- Herbert of Cherbury 98, 99–100
- Herder, J. G. 66, 67, 112
- Herman, Edward 52, 117
- Hockett, C. F. 65, 123–124
- Huarte, Juan 109, 121–122, 131
- human evolution 34, 48
- human nature 50, 51, 66, 123–124
 - Humboldt on 73, 74
 - science of 35, 52
- human needs, fundamental 51
- human rights 74
- Humboldt, Wilhelm von 58, 69–72, 144
 - articulation 126–127
 - character of language 74, 75
 - education 50, 145
 - form of language 69–70, 71, 72, 73, 74–75, 98, 128
 - freedom 73, 130
 - human nature 73, 74
 - language acquisition 101–102
 - natural languages 129
 - perception 105–106
 - Platonism 101–102
 - social and political theory 73–74
 - thought 76
- Hume, David 110
- I-language 47, 117
- ideal types 134
- ideas 81, 89, 104, 134, 135; *see also* concepts
- imperatives 88
- indefinite articles 91
- indirect discourse 84
- indoctrination 49
- information
 - meaning information 13
 - semantic 14
 - sound information 13

156 Index

- innate concepts 7, 37, 45, 46
 innate processes 20, 28, 49, 100, 103
 innovation 42, 61, 62, 75, 95, 120; *see also*
 creative use of language, creativity
 instincts 66, 67, 99
 intellectuals 117
 internalism 6–18, 45
 interrogation 85, 88, 134
- Kant, Immanuel 50, 105, 107, 142
 Katz, J. J. 137
 Kauffmann, Stuart 33
- La Mettrie, J. O. de 61, 65, 77, 133
 Lamy, B. 75, 79, 87, 95, 135
- language
 animal language 64, 69, 120, 124
 appropriateness of linguistic actions 43–44,
 61, 70, 120
 articulation 126–127
 combinatory principles 16, 18; *see also*
 transformational rules
 computer modeling of 24
 evolution and development of 33, 34, 119
 inner and outer aspects of 79, 84–86
 mechanical explanation of 61, 62, 63
 natural order in 132
 novelty, coherence and relevance of 61
 patterns and dispositions in 76
 poetical quality of 68
 principles of 93, 101, 106
 rationalist–romantic strategy for
 investigating 15, 18, 118
 stimulus-free character of 60, 65, 66, 67, 68,
 76, 120
 structure of 93, 97, 107
 and thought 77, 78
 unboundedness 39, 42, 60, 68, 120
 language competence 118, 119
 language faculty 49, 50, 59, 103, 115; *see also*
 innate processes
 language structure 93, 107
 Latin, replacement with the vernacular 77
 learning, theory of 102, 103
 Leibniz, G. W. 100–101, 143
 Lewis, David 11
 Lewontin, R. C. 34
 lexicon 14, 70
 I-language 47
 linguistics 1, 107, 140
 accommodation to biology 18, 19, 24–35
 descriptive 93–97
 development of 108
 explanation in 93–97, 141
 history of 57
- Humboldt's theory of 69–72
 minimalist program 25, 29, 32, 119
 modern 74, 92
 premodern 137
 progress in 19–20
 Loebner competition 40–41
- mathematics 11, 36
 meaning 8, 11, 13, 81
 cognitive and emotive 138
 internalist theory of 14
 and reference 96
 theory of 13
 media, corporate-run 52, 117
 mental entities 6, 107; *see also* concepts, ideas,
 mind
 Merge operation 29, 32, 42, 119
 methodological dualism 21, 22, 23
 Mill, J. S. 132
 mind 1, 3, 18, 38, 104, 121, 128
 computational theory of 45–48
 creativity and 45
 and deep structure 91
 Descartes and 44, 60, 61
 empiricist view of 23
 and the external world 15
 internalist study of 3
 and language 76, 77, 98
 mind–body problem 45, 79
 modularity of 42, 43
 other minds 40–41, 61–63, 65, 66, 114
 perception and volition 78
 philosophy of 102
 rationalist–romantic view of 4, 15
 rationalist theory of 98
 representational theory of 12, 110
 romantic theories of 118
 science of 1, 6–35
 spontaneity of 69
 morphogenesis 33
 Morris, William C. 111
- names, proper, as rigid designators 9
 nativism 3, 6–18, 45, 110
 natural languages 131
 case systems 87
 concepts expressed in 16
 deep structure and surface structure 87, 88
 meaning 12
 proper names 10
 reference 9
 rules or principles 29
 structures of 29, 129
 universal features of 142
 natural rights 73, 129, 130

- neural nets 16, 22, 23, 110, 111, 113
- Newton, Isaac 44, 45
- Nim Chimpsky 40
- nouns 8, 9, 83, 96
- parameters 30–33, 47
- perception 78
- perception, theory of 102, 103, 104–105, 106, 116
- philosophy 8, 115
- phrase structure grammar 27, 29, 86
- Platonism 100, 101–102, 142, 143
- Plato's Problem 14, 27, 28, 29
 - solution to 30, 31, 32, 33
- poetry 68–69, 125
- political institutions 51, 52
- political theory 73–74
- politics 48–52
- Port-Royal *Grammar* 25, 26, 84–86, 94, 95, 96
 - adverbs 88
 - case systems 87
 - deep structure and surface structure 26, 86, 134
 - propositions 79–81
 - relative clauses 83, 96
 - syntax 78
 - verb systems 83
- Port-Royal *Logic* 81, 86, 87
- Postal, P. M. 137
- poverty of the stimulus observations 2, 3, 5, 22, 46, 120
 - and creativity observations 4, 6–18, 24
 - Descartes and 65, 116
 - language 5
- power 49, 51, 73
- primates, language and 40
- problem solving 37
- progress 19–20
- pronouns, relative 83
- propositions 79–81, 83, 135
 - and deep structure 80
 - essential and incident 81
- Proudhon, P.-J. 132
- psychology 2, 98, 100, 102, 107
- questions 85, 88, 134
- Quine, W. V. O. 22, 112
- rationalism 1, 102, 110
- rationalist–romantic strategy for investigating
 - language 4, 6, 13, 22
 - educational implications of 50
 - political implications of 50
- reason 34, 35, 50, 67, 87
 - Descartes and 20, 41, 60, 66, 67
 - politics and 50
 - Schlegel and 101
- recursion 32, 34, 42, 85, 119, 120
- reference 8, 9, 12, 81, 96
- relative clauses 80, 81, 83, 95
 - explicative 82, 83, 84
 - restrictive 82, 83, 84
 - Vaugelas's rule 95, 96
- rights, human 74
- rights, natural 73, 129, 130
- romanticism 1, 6, 72, 76, 101, 105, 146
- Rousseau, Jean-Jacques 130–131
- Russell, Bertrand 115
- Ryle, Gilbert 64, 65
- Schlegel, A. W. 67–69, 72, 101, 124, 127
 - art 125–126
 - mechanical form and organic form 72
 - poetry 125
- Schlegel, Friedrich 76
- science 3, 11, 94, 96; *see also* theories
 - and common sense, 19, 112
 - of evolution 33
 - of language 2, 4, 6–35, 41, 140; *see also* linguistics
- scientific method 2, 18, 24, 36, 46
- self-expression 70, 71, 76
- self-realization 73, 130
- Sellars, W. 12, 22, 112
- semantics 11, 12, 15, 136, 137, 139; *see also* meaning
 - sentences 14, 62, 75, 76
- simplicity 19, 30, 37, 113
- social organization 35, 51, 130
- social theory 73–74
- speech
 - interpretation of 105–106
 - perception of 89, 91, 137
- structuralism 74
- syllogisms 87
- syntactic principles
- syntax 14, 78, 85, 89–91, 139
- theories
 - conditions of adequacy 20
 - construction of 37
 - descriptive adequacy of 19, 27, 30, 37
 - explanatory adequacy of 19, 27, 37
 - formalization of 19, 27, 37
 - objectivity of 19
 - progress 19
 - simplicity of 19, 30, 37, 113
- Thompson, D'Arcy 33
- thought 20, 70, 77, 78, 88
 - forms of 85
 - judgment and 76–77, 79
- training 49, 101, 122

| | |
|---|---------------------------------------|
| 158 | Index |
| transformational generative grammar 83, 107, 136 | Vaugelas, Claude Favre de 95, 96, 141 |
| transformational rules 27, 81, 83, 89, 92, 142 | verbs 83, 86, 136 |
| Turing, Alan 33, 40, 114 | vision 3, 46–47, 116 |
| unboundedness 39, 42 | volition 78 |
| universal grammar 5, 21, 28, 30, 32 | Waddington, Charles 33 |
| Port-Royal grammarians 26, 78, 96, 98, 107, 118 | Wilkins, J. 76, 140 |
| | Wittgenstein, Ludwig 12, 20, 140 |
| | word order 76, 90 |