

# INDEX

- Abramovitch, R., 44, 255
- Acquisition. *See also* Language Acquisition; Language learning  
of lexicon, 264–293, 302–303  
of speech sounds, 294–303  
of syntax, 44, 246–263
- Active, lexical functional structure for, 48
- Active-passive relation, 14–23. *See also* Passive  
function-dependent, 36  
as linguistic universal, 23, 40  
operations in, 21
- Active processing, in ATN system, 122.  
*See also* ATN system
- Adjectives  
acquisition of, 250–252, 257  
dispositional, 111  
evaluative, construal rule for, 104  
formed by suffixing -d, 6  
prefixed by un-, 6, 105  
prenominal, 250–252, 257–258, 260  
preposing, transformational rule for, 257  
spatial, acquisition of, 275–286
- Affix-hopping, 260
- Agrammatic aphasia, 229. *See also* Broca's aphasia, 229
- Agrammatism, 236–239
- Akmajian, A., 253, 254
- Amalgamation, rule for, 177
- Anaphora, 10–13, 47–48, 114, 162–200  
backward, 10–13, 169  
coreference in, 10–13, 172–173  
definition of, 164–165  
epistemic relations in, 187–188  
inferential relations in, 185–187  
interpretive approach to, 10–13  
noncoreference rule for, 11  
of sense, 184–185  
and stress, 170  
syntactic agreement in, 168  
and textual continuity, 164–165  
in verbal complements, 47
- Anaphoric conservatism, 194
- Anaphoric elements  
meaning relations between, 172–185  
in sentence and discourse, 13, 164–165, 185, 196–200  
and shared sense, 184–185  
and shared variables, 177–184
- Anderson, S., 10, 15, 35, 122
- Andreeewski, E., 233
- Anglin, J., 275
- Angular gyrus, 230. *See also* Broca's aphasia
- Antecedents, to anaphors, 165–187  
class inclusion relations, 167–168
- definite, 166, 173–178  
indefinite, 166, 167, 173–178, 186  
ostensive, 176–177, 184–185  
predicate nominals as, 170  
superordinate, 167, 186  
syntactic agreement, 168  
syntactic relations, 169
- Aphasia  
Broca's, 229–245  
Broca's vs. Wernicke's, 242–245  
global, 239  
lexical organization in, 239–245  
and recurring concepts, 239–241  
and sentence processing, 231–236
- Aphasia Research Center, in Boston, 237
- Aphasiology, 229
- Argument structure, and syntax, 15, 16
- Aronoff, M. H., 10, 112, 117
- Articles  
and anaphora, 166–168  
Broca's aphasics' use of, 234–236  
as quantifiers, 173–177, 179–180  
and uniqueness conditions, 69–70, 174, 177–178, 193
- Artificial languages, 189
- Ascription, verbs of, 221
- Aspects model, of transformational grammar, 2, 3–5, 9, 14  
and acquisition of language, 246
- ATN (Augmented Transition Networks)  
system, 50–58, 120–137  
and acquisition of adjectives, 251  
and acquisition of passives, 254  
basic mechanisms of, 123–127  
context-sensitivity in, 129–131  
depth of processing in, 120–121  
direct processing in, 121–122  
flexibility of, 120  
gap finding in, 133  
general organization of, 123  
history of, 120  
HOLD mechanism in, 131, 133–137  
inadequacy of, 57  
notation, 50–52, 124–127  
operating characteristics of, 122  
and passive, 248  
for relative clause comprehension, 132–137  
significant features of, 127  
and subjectless complements, 253  
syntactic nondeterminacy within, 58  
task organization of, 122
- Baker, C., 43
- Baker, E., 243, 265, 266
- Baker, W., 233

- Baldie, J., 255  
 Bartlett, Elsa, 269, 271  
 Basic terms, 82. *See also* Nouns  
 Bell, Alexander Graham, 295, 300  
 Bell, A. Melville, 295, 296  
 Bellugi, U., 259  
 Bendix, E. H., 87  
 Bever, T., 2, 45, 119, 122, 129, 148, 158, 229, 262  
 Bierwisch, M., 230, 276, 287  
 Bloom, L. M., 252, 253  
 Blumstein, S. E., 229–245  
 Bobrow, D. G., 120, 140  
 Boston Diagnostic Aphasic Examination, 237  
 Bound variables, 16, 177 ff.  
 Bowerman, M., 259, 289  
 Boyes-Braem, P., 82  
 Brain, language zones of, 230  
 Brain damage, left-sided, 240. *See also* Aphasia  
 Braine, M. D. S., 250, 255, 266, 267  
 Brame, M., 35, 43  
 Bratley, P., 120  
 Bresnan, Joan, 1–59, 197, 201, 236, 253, 254, 262, 263  
 Brewer, W. F., 279  
 Broca's aphasia, 229–230  
 aggrammatism of, 236–239  
 and competence-performance distinction, 229–230  
 lexical organization in, 239–245  
 phrase structure in, 233–234  
 pronominalization in, 232  
 sentence processing in, 231  
 use of articles in, 235  
 Broca's area, 229–230  
 Brown, R., 44, 234, 250, 251, 252, 259, 265, 267  
 Bruner, J., 265
- Cairns, H. S., 140, 147  
 Calculus, predicate, 69–70, 178–181  
 as natural language model, 181  
 Campbell, R., 278  
 Caplan, D., 230  
 Caramazza, A., 99, 231, 232, 233, 237, 240, 241, 244  
 Carey, Susan, 264–293  
 Carroll, J. B., 107, 108  
 Causative verbs, 95, 105–106, 288. *See also* Verbs  
 lexical acquisition of, 289–291  
 Cazden, C. B., 259
- Cerebral cortex  
 damage to left hemisphere of, 229–230, 239, 241–245  
 damage to right hemisphere of, 240  
 language zones on, 230  
 Characterization problem, grammatical, 1, 2, 59  
 Children. *See also* Language acquisition  
 early syntax, 249–256  
 lexical acquisition by, 275–286, 291  
 speech sounds, Knowledge of, 302  
 vocabulary growth of, 264  
 Chinese language, characteristics of, 98  
 Chomsky, Noam, 1, 4, 5, 9, 15, 17, 34, 41, 44, 57, 58, 112, 119, 121, 129, 158, 201, 203, 246, 252, 254, 255, 260  
 Chromium study, 272–274, 292, 293  
 Circumstantial field, 224–225  
 Clark, E. V., 267, 275, 277, 278, 281  
 Clark, H. H., 277, 278, 287  
 Class inclusion relations and anaphora, 167–168. *See also* Hierarchic organization  
 Clauses, in sentence partitioning, 124. *See also* Relative clauses  
 Cognition, role of language in, 59  
 Cognitive psychology, and linguistic semantics, 227–228  
 Color  
 conceptual domain of, 269  
 lexical domain for, 270–275  
 Comparative information in English, 268  
 Comparative structure, early mapping in, 281  
 Competence-performance distinction, and Broca's aphasia, 229–230, 236  
 Complements, verb phrase, 25–26, 43, 252–261  
 Complexity, derivational theory of, 2, 45–50, 131  
 Compound predicates, 67–68  
 Compounds, 117–118  
 Comprehension of sentences, 119–159  
 Concept formation, rules of, 66  
 Conceptual domain, 94, 269  
 of color, 269–271  
 and semantic features, 80, 289–291  
 Conceptualization, cross-field generalization in, 226  
 Conceptual structure, 202  
 semantic structure as subdomain of, 204  
 Conceptual unit, meaning as, 93  
 Conditionals, pragmatic approach to, 181–182  
 Considine, Tom, 283, 288

- Construal rules, 103–108  
Context  
antecedent-anaphor relations in, 167  
construction of, 162–164, 190  
and disambiguation, 98  
linguistic vs. nonlinguistic, 163–164, 173, 184–185  
Context-sensitive operations, in ATN systems, 124, 129–131  
Continuity, and anaphora, 164–165  
concept of, 200  
Contraction, phonological effects of, 42–43  
Cooper, W. E., 237  
Coreference, in antecedent-anaphor relations, 10–13, 172–173, 174. *See also* Noncoreference rule  
as transitive relation, 13  
Core senses, 101–103  
and semantic memory, 107  
Coronal sound, 296  
Correspondence rules, for pictorial representation, 211–213  
Critical region in relative clauses, 57, 138, 157  
Cross-field generalization, 218–227, 239–241  
  
Decompositional approach, to lexical analysis, 85–94  
Deep structure, of active and passive, 247. *See also* Surface structures  
functional relations in, 10  
in lexical-interpretive theory, 201  
vs. surface structure, 29, 36, 247  
Definiteness  
in anaphora, 166–167  
and plurals, 177  
Definite phrases as universal quantifiers, 175  
DeLuca, D., 240  
de Marcellus, O., 255  
Demonstratives. *See* Ostension  
Denes, G., 233  
Derivational complexity, 2, 45–50, 131  
and passive, 48–50  
and verb phrase ellipsis, 45–46  
Derivatives, 114–117  
Descriptions, syntax of, 216  
Deverbal adjective formation, 6  
Dewar, H., 120  
Direct processing, in ATN system, 121  
Disambiguation, lexical, 97–112  
Distinctness, 193  
of reference of terms, 194, 198  
Diversity, and disambiguation, 100  
Domain of interpretation, 174, 177, 181–182, 188, 189  
Donaldson, M., 277  
Dorsal sound, 295, 296  
Eimas, Peter, 302  
Ellipsis, verb phrase, 46–47  
Ellis, Alexander J., 297–298  
Edmonds, J., 21, 205  
Empson, William, 162  
Entailment, 72–74, 93, 176, 190  
Entities, in semantic structure, 204. *See also* Things  
Epstein, W., 140, 141  
Equi-NP transformation, 43  
Ervin-Tripp, S. M., 280  
Extension, 76–77  
and core sense, 101–102  
determination of, 83–85  
example of, 80  
perceptual tests for, 78  
  
False-synonym (FS) strategy, in language acquisition, 273  
Fast mapping, 274–275, 291  
Features. *See also* Semantic markers  
phonetic, 295–302  
semantic, 80, 115, 289–291  
Field modifiers, 221  
Fillmore, C. J., 252, 255  
Fodor, J. A., 2, 45, 61, 73, 119, 121, 122, 129, 131, 148, 158, 202, 211, 229, 262, 269  
Fodor, J. D., 34  
Forster, K., 49, 50, 122  
Foss, D. J., 140, 147  
Foster, G., 280  
Fox, D., 256  
Frazer, B., 120  
Frege, G., 77  
French language, characteristics of, 98  
Full-entry theory, of word formation, 116  
Functional interpretation, 24  
Functional structures, 17  
Function dependence of active–passive relation, 36  
Galvin, J., 241  
Gap, in relative clause, 132–134, 138. *See also* Trace, Structural residue  
Gardner, H., 233, 245  
Garfield, L., 107  
Garrett, M., 2, 45, 119, 121, 122, 129, 131, 148, 158, 229, 238, 262

- Geach, P. T., 177  
 Generalizations  
   cross-field, 218–227, 239  
   linguistically significant, 158  
 Geschwind, N., 241  
 Gestalt, meaning as, 93  
 Gleitman, H., 117  
 Gleitman, L. R., 117  
 Global aphasics, 239  
 Goodenough, C., 233, 235, 236  
 Goodglass, H., 229, 230, 237, 241, 243  
 Goodman, N., 211  
 Gordon, J., 240  
 Grammer, 1–59  
   ATN, 124–131  
   and conceptual structure, 201–228  
   need for transformations in, 36–40 (*see also* Transformations)  
   realization problem in, 1–5, 58–59  
 Grammatical characterization problem, 1, 2, 59  
 Grammatical functions, defining, 16–17  
   vs. logical functions, 35  
 Grammatical realization problem, 1–3, 50–58  
 Grammatical structure, and logical relations, 14–15, 247–249, 255, 263  
 Gray, W. D., 82  
 Green, E., 233  
 Green, G. M., 87  
 Groeber, E. H., 99  
 Grossman, M., 240, 245  
 Gruber, J., 218, 220
- Halle, Morris, 5, 17, 112, 294–303  
*Hand* (verb), semantic analysis of, 85–93  
 Hanlon, C., 259  
 Hartman, M., 256  
 Hartmann, R. R. K., 164  
 Hasegawa, K., 21  
 Hebrew language, characteristics of, 132  
 Heny, F., 253, 254  
 Hierarchic organization of nominal concepts, 78–80  
   and anaphora, 167–168  
   by aphasics, 241–242  
 HOLD hypothesis, 137–139  
   prediction of, 142  
   testing of, 139–142, 148–157  
 HOLD mechanism, in ATN system, 131, 133–137  
 Holmes, V., 122  
 Horgan, D., 255  
 Horn, L., 42  
 Hunter, M., 230  
 Hust, J., 8
- Hyponymy, 79–80  
   example of, 81  
   and semantic fields, 96
- Identifiability, in test construction, 193  
 Identification  
   definition of, 175  
   theory, 174–177, 181, 190  
 Identificational field, for locations and paths, 221  
 Idiom, functional interpretation of, 31  
 Images, linguistic description, 210–213  
   mental, 215–216  
   verbal, 214  
 Impoverished-entry theory, of word formation, 116  
 Inappropriate Dimension task, 285  
 Indexicals, 188, 189  
 Indefinite-to-definite transitions, 166–167, 173–178, 190  
 Inference, in antecedent-anaphor transition, 187  
 Infinitival complements, generation of, 43  
 Inflections, 112–114  
 Innate knowledge, 303  
   of linguistic principles, 246  
   of speech sounds, 302–303  
 Intension  
   determination of, 83–85  
   example of, 81  
   of lexical units, 77  
 Interpretation  
   domain of, 174, 177, 181–182, 188, 189  
   elements in, 174  
   functional, 24  
   of passives in complex sentences, 23–36  
   pragmatic approach to, 188–191  
   procedural, 73  
   universalist vs. localist approach to, 189  
 Interpretive rules, and adjectives, 252  
   for passives, 254  
   and subjectless complements, 253  
   surface, 10–14  
   and syntactic development, 263  
 Interruption Point, 145–147, 155, 156
- Jackendoff, R., 116, 118, 201–228, 239  
 Jastrzembski, J. E., 107  
 Jeanne, L. M., 17  
 Jenkins, L., 30, 45  
 Johnson, D. M., 82  
 Johnson, S. C., 233  
 Johnson-Laird, P. N., 85, 87, 88, 96, 106, 118, 202, 208, 209, 244, 270, 276, 277, 287

- Kajita, M., 33  
Kaplan, B., 267  
Kaplan, D., 212  
Kaplan, E., 230, 237, 241  
Kaplan, Ronald, 58, 120, 121, 123, 157, 158, 248  
Karttunen, L., 111, 177  
Katz, J. J., 61, 73, 103, 104, 246  
Katz, N., 265, 266, 267  
Kean, M. L., 236, 237  
Keenan, E. L., 133  
Kellar, L., 230  
Kelly, E. F., 99, 121  
Keyser, S. J., 62  
Kintsch, W., 115  
Klatzky, R. L., 267, 277  
Knowledge  
general, and lexical concepts, 83–85  
inaccessibility to consciousness, 303  
unlearned, 302–303  
untaught, 294–302  
Kolk, H., 237, 238  
Koutsoudas, A., 41  
Kripke, S. A., 84  
Kuczaj, S., 260  
  
Labial sound, 295, 296  
Labov's paradigm, 244  
Language, and cognition, 59  
Language acquisition, 44–45, 201, 247–303. *See also* Acquisition; Lexical acquisition  
of adjectives, prenominal, 250–252, 257  
of causative verbs, 289–291  
of color words, 269–275  
of possessives, 252  
FS strategy in, 273–274  
later, 257–262  
OCON strategy in, 273  
of passives, 254–256  
possible but nonoccurring errors in, 259–262  
of subjectless complements, 252–253, 257  
and surface structure, 249  
syntactic structures formulated during, 246  
of syntax, 246–263  
word order in, 249–250  
Language learning, 201  
of meanings, 97  
of plural rule of English, 299–302  
projection rules for, 203  
of speech sounds, 294  
of words, 81, 116–118, 246–293  
Language processing, 14, 50–58, 121–131  
Lasnik, H., 11, 13, 34, 41  
Lenneberg, E. H., 230  
Levelt, W. J. M., 3, 37, 129, 233  
Lewis, P., 188  
Lexical acquisition  
Chromium study, 272–274, 292, 293  
immature entries, 275–286  
pilot study in, 273, 274  
of spatial adjectives, 275–276  
Lexical analysis, 74–76  
problem of completeness in, 91  
Lexical concepts, 71  
and general knowledge, 83  
kinds of, 96  
Lexical domain, 94, 269  
of causative verbs, 95, 289–291  
of color, 270–275  
of spatial adjectives, 275–286  
Lexical hierarchy  
in nouns, 78–80  
subordinate terms in, 169  
Lexical information, 62–63  
characterizing, 263  
learning of, 264  
Lexical-interpretive theory, of transformational grammar, 4–5, 10  
Lexicalist hypothesis, 5–6  
Lexical organizers, 292  
Lexical rules, 5–10  
for passivization, 23  
Lexical semantics, in aphasia, 239–245  
Lexical units, 60. *See also* Words  
conceptual analysis of, 74  
hierarchical structures for, 79  
Lexicon  
acquisition of, 264–286  
in aphasia, 230, 239–245  
immature entries of, 286–291  
mental, 60–64, 98–99, 103, 264  
and pragmatics, 198  
Lieberman, P., 122  
Limber, J., 253  
Linguistic concepts, psychological reality of, 3  
Linguistic context, and disambiguation, 98–101  
Linguistic theory, realist conception of, 58–59  
Linsky, L., 217  
Locational concepts, 65  
circumstantial, 223–226  
identificational, 121, 222–223  
positional, 218–220  
possessional, 220  
in semantic structure, 204–209  
Locke, S., 230

- Logical argument structure, 14–16  
 Logical form, 178 ff.  
 Logical relations, and grammatical structure, 247–249, 255, 263  
 Logical subject, and grammatical subject, 15, 248  
 Lyons, J., 61
- Macken, V., 267  
 McNamara, J., 99, 265, 266  
 Makhoul, J., 123  
 Mapping  
   fast, 274–275, 291  
   between lexical and conceptual domains, 269–275  
   slow, 274, 278, 291–292  
 Maratsos, Michael, 57, 119, 139, 140, 246–263  
 Marcus, M., 58  
 Marks, L. E., 122  
 Martin, E., 233  
 Meaning, 60. *See also* Semantics  
   and deep structure, 4  
   learning of, 84–85, 97  
   in mental lexicon, 63  
 Memory, lexical, 62  
 Memory load, 138  
   measuring transient, 139–142, 157  
 Menn, Lise, 301  
 Mental lexicon, 60–64  
   compounds in, 117–118  
   derivatives in, 114–117  
   and language acquisition, 264  
   and polysemy, 98–99, 103  
 Mervis, C. B., 82  
 Metalinguage, 189  
 Miller, George A., 60–119, 138, 202, 208, 209, 239, 242, 244, 270, 271, 276, 277, 287  
 Millikan, J. A., 107  
 Minimum-distance principle, in pronominalization, 232  
 Missing-feature-plus-hazard-example theory, 286–291  
 Missing-feature theory, 275–286  
 Modals, 108–112  
 Models, as representations of information, 191–193  
 Modularity, 193, 195  
 Montague, R., 188  
 Morphological rules, 113–115  
 Morphology  
   compounds, 117–118  
   derivatives, 114–117  
   inflectional, 112–114  
   lexical, 112
- in mental lexicon, 62  
 word-formation, 112, 114–118  
 Myerson, R., 233, 241
- Narrative texts, 165–172, 185  
 Nelson, K., 267  
 Neurophysiology, 229  
 Nineo, A., 265  
 Nominal concepts, 65, 76–85  
   deictic parts of, 69  
   descriptive parts of, 69  
   hierarchic organization for, 78–80  
   perceptual tests for, 77–78  
 Noncoreference rule, 11–12. *See also* Coreference  
 Nonlinguistic context, 163, 173, 184  
 Norman, D., 140  
 Noun phrase (NP)  
   embedded prenominal adjectives in, 250  
   grammatical functions of, 16–17  
   grammatical parallels with prepositional phrases, 206–209  
   lexical rules, 5–23  
   network, in ATN, 51, 125, 128  
   for stuff, 205  
   for things, 204  
   as unit in comprehension, 129  
   within-clause function of, 138  
 Nouns, common vs. proper, 265–266  
 mass, 113  
 plural rule for, 299–302  
 verbal use of, 104
- Odd-color-odd-name (OCON) strategy, in language acquisition, 273–274  
 Olbrei, I., 49  
 Ostensions, 173, 176, 184
- Park, T., 250  
 Partonymy, 79. *See also* Nominal concepts  
 Passive. *See also* Active-passive relation  
   acquisition of, 44–45, 254–256, 262  
   in ATN system, 130  
   in complex sentences, 23–36  
   and derivational complexity, 49  
   lexical functional structure for, 20–21, 48  
   long vs. short, 44–45, 254–255  
   relation to active, 247–248, 255  
   and thematic relations, 16–17, 256  
 Passive sentences, activelike deep structures for, 32, 247, 256  
 Passivization  
   lexical relation governing, 22–23  
   lexical rules for, 7  
   transformational theory of, 33

- Past tense, overregularization of, 259  
Paths, in semantic structure, 204–209  
Pattern recognition systems, 50, 124  
Perceptual tests for nominal concepts, 77–78  
Perlmutter, D., 22  
Peters, P. S., 52  
Phonetic features, 295–302  
Phonological access, 60  
Phonological “word,” 237  
Phonology, 294–302. *See also* Sounds of speech  
in mental lexicon, 62  
Phrases, 124  
Phrase structure  
and Augmented Transition Networks, 56  
in Broca’s aphasia, 233–234  
rules for Question Movement, 54–55  
Platero, P., 17  
Plural forms  
and definiteness, 177  
rules for, 299–301  
Polarity, in missing-feature theory, 277, 279  
Polysemy, 97–112  
Positional field, 218–220, 221  
Possessional field, 220, 221  
Possessives, acquisition of, 252. *See also* Adjectives  
Postal, P., 22, 62, 246  
Potter, M., 279  
Pragmatics, 63–64, 162–200  
and linguistic theory, 64, 196–199  
in mental lexicon, 63  
Predicate calculus, 178–181  
Predicate nominals, as antecedents, 170  
Predicates, compound, 67–68  
Predication, verbs of, 221  
Predictive concepts, 65, 66, 85–92  
Prefixing, lexical rules for, 7  
Prepositional phrases (PP), lexical rules, 5–23  
syntactic attributes of, 205–209  
Prepositions, as operators on predicates, 209  
Primitive concepts, reduction to, 92–94  
Procedural interpretation, 73  
Processing of language, 14, 50, 121–131  
direct, in ATN system, 121  
and pragmatics, 197–198  
Processor, of ATN system, 123  
Production, nontransformational rules for adjectives, 251–252  
for subjectless complements, 253, 261  
Projection rules, 201  
for locations and paths, 208  
for prepositional phrases, 206  
semantic structures derived from, 203  
Pronominalization  
in Broca’s aphasia, 232  
interpretive account of, 12  
minimal-distance principle in, 232  
transformational approaches to, 11–12, 13  
and verb phrase ellipsis, 47  
Pronouns  
and antecedents, 10  
dual references for, 218  
reflexive, 31–32  
relative, 133  
Pronunciation, in mental lexicon, 62  
of plural morpheme in English, 299–302  
and surface structure, 4  
Pullum, G., 44  
Putnam, H., 84  
Quantification and variable binding, 16  
Quantifiers  
definite anaphors as universal, 175–177  
existential, in indefinite antecedents, 173–175  
existential, in lexical argument structure, 16–17, 20–21, 24–31  
*the*, as universal, 176  
universal, 174–176, 179–180  
Question Movement transformation, 38–40, 41–44, 55, 56, 263  
phonological perturbations of, 57  
in reverse, 40, 53–56  
Quine, W. V. O., 205, 217  
Realist interpretation of transformational grammar, 1–3  
Realization problem, grammatical, 1–5  
approaches to, 50–58  
Reber, A., 122  
Recurring concepts, in aphasia, 239–241  
Redundancy rules, 73, 80–83, 118  
and derivative morphology, 116  
and lexical knowledge, 83  
Reference, pragmatic approach to, 173.  
*See also* Coreference  
Referential opacity, 217  
Reichenbach, H., 110, 111  
Reinhart, T., 11  
Relative clauses, 119  
ATN model for comprehension, 132–137  
in Broca’s aphasia, 231  
critical region of, 138, 157  
HOLD model for, 137  
similarity to independent declarative clauses, 132

- Repetition  
 in anaphora, 165, 187, 199–200  
 concept of, 200
- Representation  
 levels of, 202  
 mental, 215–217  
 pictorial, 210–213  
 in semantic structure, 210  
 verbal, 213–215
- Rescher, N., 86
- Ritchie, R. W., 52
- Roeper, T., 70
- Rosch, E., 82
- Rosenbaum, P. S., 149
- Ross, J. R., 103, 132, 234
- Rote learning, 61
- Rubenstein, H., 107
- Rule ordering, 40–42
- Russell, B., 176, 177, 217
- Saporta, S., 45
- Savin, H. B., 139
- Schedule, in ATN, 120
- Scope of quantifiers, 179–184
- Selkirk, E., 5, 57
- Semantic decomposition, 85–92
- Semantic extensions, 101
- Semantic fields, 94–97, 218–219, 241–245, 269–275, 275–286, 289–291. *See also* Conceptual domain; Lexical domain
- Semantic markers, 80. *See also* Features
- Semantics, 60–118  
 and cognitive psychology, 227–228  
 cross-field generalization in, 227  
 and lexical acquisition, 288  
 of morphologically related words, 112–118  
 polysemy, 97–112
- Semantic structures, 201  
 formalization of, 202  
 locations and paths in, 204–209
- Sentence comprehension, 119–159  
 depth of processing in, 120–121  
 direct processing, 121
- Sentence form, 145–147, 155, 156
- Sentence network in ATN, 50–52, 123–131
- Sentence processing, 50–58, 119–159  
 of Broca's aphasics, 231–239
- Sentences  
 critical region of, 57, 138, 157  
 partitioning, 124  
 passive, 32
- Sentential concepts, 64–71  
 heterogeneity of, 76  
 and nominal concepts, 69  
 and words, 71–74
- Serial operation, in ATN system, 122
- Seron, X., 233
- Shank, R., 120
- Shiner, S., 139, 142
- Siegel, Dorothy, 6, 8
- Sinclair, A., 255
- Sinclair, H., 255
- Slippage of operations, in language acquisition, 259
- Slobin, D. I., 49, 250
- Smith, C. S., 132, 250
- Sounds of speech, 294–299  
 as feature complexes, 296–297, 300–302  
 into words, 299 ff.
- Spatial adjectives, in lexical acquisition, 275–286
- Specificity, indefinite phrases and, 176
- Speech, sounds of. *See* Sounds of speech
- Stanners, R. F., 107
- Stenning, K., 13, 114, 162–200
- Stone, P., 99, 279
- Stork, F. C., 164
- Stress, and antecedent-anaphor relations, 170
- Strident sound, 296
- Structure dependence of transformations, 36, 56
- Structural residue, 57. *See also* Trace: Gap
- Stuff, noun phrases for, 205
- Subjectless complements, 252–253, 259–261. *See also* Verbal complements
- direct generation of, 257  
 early acquisition of, 252–253  
 errors in acquisition of, 261  
 subject-deletion analysis of, 259–260
- Subject raising transformation, 43
- Subordinate clauses, anaphora in, 169
- Substitution, and anaphora, 165
- Surface interpretive rules, 10–14
- Surface structure  
 and acquisition of passive, 252, 255, 258  
 and ATN system, 129–130  
 functional interpretation of, 29  
 generation of, 54  
 and language acquisition, 249  
 lexical insertion, 34  
 in lexical-interpretive theory, 201  
 and passive, 248
- Synategorematicity, 103
- Syntactic categorization, in mental lexicon, 63
- Syntactic contexts, 17
- Syntactic processing, psychological models of, 157
- Syntactic theories, and pragmatics, 196

- Tanenhaus, M. K., 107  
Text construction, principles for, 193–196. *See also* Context  
*The*, as universal quantifier, 175–176  
Thematic relations, 15, 256  
There-insertion, 30–31  
Things, noun phrases for, 204–205  
standing for other things, 210–218  
Thinking, syntax of, 216  
Thorne, J., 120  
TML. *See* Transient memory load  
Trace, 57. *See also* Gap; Structural residue  
Transformational grammar, lexical-interpretive theory of, 4–5, 10. *See also* Grammar  
and logical relations, 248  
realist interpretation of, 2  
research objects for, 1.  
Transformations  
need for, 36–40  
phonological effects of, 42–44  
psychological reality of, 158  
Question Movement, 38–40, 41  
role of, 4  
structure dependence of, 36, 56  
syntactic, 23  
of unspecified-object deletion, 15  
Transient memory load (TML), measure of, 139–142, 157  
Transition network system, 50  
in ATN system, 123  
Transitiveness  
and functional structures, 20  
syntactical vs. logical, 18  
Transitive verbs, intransitive use of, 16  
Ulatowska, H., 233  
Ullmann, S., 61, 101  
*Un-forms*  
construal rule for, 105  
lexical rules for, 8–9  
Uniqueness conditions, 69–70, 174, 177–178, 193  
Unpassive, 5–9  
*Unspecified-object deletion*, transformation, 15  
Urquhart, A., 86  
Van Riemsdijk, H., 205  
Variables  
bound, 16, 177 ff.  
definite anaphors as, 172, 178–184  
Verbal complements, 25–36, 43, 53. *See also* Subjectless complements  
Verbal images, inadequacy of, 214  
Verb phrase  
anaphora, 47–48  
ellipsis, 45–47  
Verbs  
causative, 95, 105–106, 288–291  
of circumstance, 224–225  
distinguished from adjectives, 7  
functional structures for, 20 ff.  
logical argument structure of, 14, 23  
modal, 108–112  
of predication, 221  
of spatial position, 218  
transitive, 16  
Veroff, A., 240  
Vocabulary, 60. *See also* Acquisition; Lexicon  
child's learning of, 264 ff.  
Vocal mechanisms, 295–296  
Vocal tract, human, 297  
Voicing, 296  
von Stockert, T., 233  
Wald, J. D., 205  
Wales, R., 277, 278  
Wanner, E., 57, 119, 120, 122, 123, 139, 140, 142, 158  
Wasow, T., 8, 11, 35, 70  
Watt, W. C., 255, 262  
Weigl, E., 230  
Weintraub, S., 235  
Well-formedness rules, 201, 203  
Werner, H., 267  
Wernicke's aphasia, 241–245  
Wernicke's area, 230  
Wertheimer, R., 108, 110  
Whitaker, H. A., 233  
White, M. N., 108  
Whitehouse, P. J., 244  
Wilson, D., 44  
Wittgenstein, L., 82, 211  
Woods, W., 55, 120, 121, 123  
Word-finding problems, of aphasics, 241–242  
Word formation, 112  
compounds, 117–118  
derivatives, 114–117  
Word order, in acquisition, 249–250  
Words, 60. *See also* Lexical units  
hierarchical structures for, 79  
learning of, 81, 116, 264–293  
phonological, 237  
sound into, 299  
Zurif, Edgar B., 99, 229–245