

Index

- IXóó, 14
 abduction. *See* spread, [spread]
 Abner, N., 141, 157, 174
 acquisition, 14, 31, 34, 153, 167, 190,
 196, 200–40, 241, 242, 246. *See also* infant directed signing;
 motherese; babbling, syllabic
 bilingual development, 200, 201–3,
 218, 224, 229, 234–7, 239
 complexity and order of acquisition,
 57–8, 210–12, 217, 218
 fingerspelling and, 208, 215–17, 217,
 220, 230, 231, 234
 handshape, 57–8, 147, 153, 207,
 208–9, 209, 210–11, 211, 212–13,
 215, 217–19, 222, 224
 iconicity and, 221
 L1 (first-language), 55, 78, 94, 200,
 201, 202, 203–18, 219, 220, 221,
 222–4, 223
 L2 (second-language), 55, 78, 200, 212,
 218–25, 221, 223, 227–9. *See also*
 experimental populations: L2
 learners
 late learners vs. native signers, 226–9,
 227, 228. *See also* age of acquisition;
 late learners; critical period for
 language acquisition
 literacy. *See main entry*
 maturation vs. experiential accounts,
 224–5
 movement and, 206–10, 207, 209,
 211–12, 215–16, 217–20, 224,
 226, 227, 238
 proximalization, 209–10, 217,
 218–19, 219
 repetition, 209, 210, 217
 native vs. non-native signers, 226,
 228, 228
 phonological bottleneck, 225–6, 229,
 233, 239
 place of articulation, 208, 209, 217,
 218, 219, 222, 224, 227
 prosody and, 205–6, 213–15, 222–4,
 223, 238–9
 role of iconicity, 188, 204, 205–6, 213,
 220–2, 224
 sensitivity to sonority, 67, 208, 220
 simplification, 209, 210, 211
 time course/milestones for L1, 67,
 153, 204, 206–18
 U-shaped curve, 214
 Adamarobe Sign Language (AdSL), 136
 age of acquisition (AoA), L1, 172, 181,
 184, 187, 194, 224–9, 227, 228
 Algonquian vowels, 145
 alignment, ALIGNMENT constraints, 6,
 33–4, 41, 48, 61, 101, 118, 121, 123,
 140, 142–4, 191, 215, 237–8, 270
 Allen, J., 184
 Allen, T., 229
 Al-Sayyid Bedouin Sign Language
 (ABSL), 13, 83, 120–1, 136, 141,
 142, 142–4, 143, 144, 160–4, 161
 American Sign Language (ASL), xv, 3, 13,
 24, 24, 77, 112, 117, 123, 185, 189,
 258, 262–3, 267
 acquisition, 153, 201, 202, 203, 205,
 206–13, 214–17, 218–20, 222–3,
 225–9, 231–3, 234, 235–6, 238,
 239
 across lexical components, 12, 88–92,
 90, 212–13
 articulation of movement, 54, 56, 59,
 218–19
 Black ASL. *See main entry*
 classifier predicates, 31, 32, 72–3, 73,
 212–13
 complexity, 56–7, 145, 151–2, 152,
 162, 210–11
 constraints, 19, 40–1
 examples of contrast, 14–18, 16, 81,
 81, 88–92, 90, 151
 features, 16–18, 20–1, 22, 23, 81,
 88–92, 90, 91, 92, 102–3, 103, 109,
 109–10, 145, 151, 167, 210–11

- fingerspelling, 14–18, 35–6, 36, 37, 38, 40, 64, 66, 66, 215–16, 231, 250, 257
- gesture and, 9–10, 80, 102–3, 103, 132, 133, 138, 145, 151–2, 152, 159–60
- historical developments of the field, 4–6, 14–18
- iconicity, 9–10, 33, 41, 77–80, 83–3, 86–6, 88–92, 90, 91, 94–5, 96, 103, 153, 159–60, 161, 258
- language processing, 9–10, 20–1, 22, 49, 50–2, 67, 80, 94–5, 96, 107–9, 108, 168–71, 170, 172, 173–7, 177, 182–4, 189–93, 196, 216–17, 218–19, 225–9, 231–3, 235–6, 238
- language-specific preferences, 56, 78
- Mainstream ASL. *See* Black ASL
- morphemes, 72–3, 73, 92, 92, 102, 114, 117–19, 243, 260, 260
- parameters, 14–18, 16, 23, 208–9
- prosody, 114–16, 115, 117–19, 121, 122, 124, 125, 126–7, 127, 128, 214–15, 222–3
- structural representations, 23, 23–31
- syllable structure, 66, 66–7, 71, 72–3, 73, 112–13, 114–16, 206–8, 231–3, 257
- variation, 20, 242, 243–4, 245, 246–8, 247, 248, 249, 249–62, 250, 251, 252, 255, 256, 257, 259, 260, 263–5, 264, 266
- verb agreement, 90–1, 91, 92, 92
- well-formedness, 64, 65
- Andrews, S., 186
- Ann, J., 55, 211
- Aparicio, M., 196
- Ape-language experiments, 5–6
- aperture (handshape), 29, 30–1, 38, 67, 71, 103, 112, 114, 172, 210
- aphasia, 189–91
- Aramburo, A., 249
- Aristodemo, V., 58, 146
- Aronoff, M., 33, 111, 112, 261
- Articulatory Phonology, 26, 37
- ASL, 102–103, 117, 185, 189, 225, 258
- Aslin, R., 179, 186
- assimilation, 167–8, 170. *See also*
 coarticulation; H2-spread
- compounds, 26, 27, 28, 126, 161, 161, 257, 258, 266
- Prosodic word, 115, 116, 247, 247
- variation and, 246–7, 255–7, 257, 261, 266
- Australian Sign Language (Auslan), 35, 38, 187, 205, 243, 246, 248, 267
- Austrian Sign language (ÖGS), 172
- autosegmental phonology, 15, 23, 26, 269
- autosegmental tiers/units, 2, 18, 26–7, 28–9, 30, 171, 178, 204
- babbling, syllabic, 67, 206–8, 210, 239
- Bailey, G., 253
- Baker, A., 208, 213
- Baker, S., 50, 179, 180, 198
- Baker-Shenk, C., 15, 125
- BANZSL. *See* British, Australian and New Zealand Sign Languages
- Barberà, G., 93
- Barakat, R., 293
- Bartels, C., 125
- Basque, 117
- Battison, R., 15, 17, 18, 19, 20, 35, 42, 52, 242, 244, 251, 255
- Baus, C., 221, 222
- Bavelier, D., 9, 230
- Bayley, R., 242, 246, 247
- Beckman, M., 58, 116, 125
- Bélanger, N., 230–1
- Bellugi, U., 50, 77, 83, 94, 168, 204, 254
- Benedicto, E., 33, 87, 145
- Berent, I., 62, 67, 70, 74, 105, 156, 175–7, 178, 186, 198, 208, 210
- Best, C., 50, 179, 180
- bilinguals, 35, 94, 200, 201–3, 218, 224, 229, 234–7, 239
- bimodal, 171, 202–3, 234–6, 239, 269
- CODAs. *See main entry*
- KODAs. *See main entry*
- code-blending, 235, 269
- cross-modal activation. *See main entry*
- inhibition, 235, 236
- interference, 202, 235–6
- unimodal, 171, 234–5
- Birdsong, D., 225
- Black ASL, 243, 246, 249–50, 266, 268
- one- vs. two-handed signs, 20, 251, 266
- phrasal rhythm, 251–3, 252
- sign lowering, 248, 250, 266
- signing space, 250, 250, 266
- vs. “Mainstream” ASL, 248, 250, 250–3, 266
- Weak Drop, 251
- Blevins, J., 64
- Bloomfield, L., 4, 15, 23
- Bochner, J., 219
- Bodomo, A., 82
- body part classifiers, 32, 87, 88, 89, 90
- Boersma, P., 8, 133
- Bolinger, D., 102

- Bonvillian, J., 94, 204, 208
 Booij, G., 62
 Bosworth, R., 48, 50, 74, 95
 Boudreault, P., 225
 Boutora, L., 179
 Boyes Braem, P., 15, 20, 35, 55, 96, 116,
 122, 147, 208, 210–11
 brain-damaged signers, study of, 4, 167,
 188–9, 191
 Brand, R., 205
 Brazilian Sign Language (LIBRAS), 41
 Bregman, A., 47
 Brennan, M., 82
 Brentari, D., 6, 8–9, 12, 19, 20, 23, 26, 27,
 28, 30, 33, 34, 36, 37, 38, 42, 44,
 45, 55, 58, 60, 64, 66, 70, 71, 73,
 74, 76, 77, 83, 84, 87, 88, 89, 92,
 93, 100, 101, 104, 111–12, 113,
 114, 116, 117, 119, 121, 122, 123,
 126, 127, 131, 133–4, 136, 139,
 141, 144, 145, 147, 151, 152, 155,
 156, 165, 172, 180, 186, 191, 198,
 209, 210, 213, 214–15, 222, 251,
 254, 263, 272
 British Sign Language (BSL), 13, 229
 acquisition, 205, 208, 210, 211–12,
 221–2
 articulation and perception, 52,
 265
 corpora, 187, 243, 267
 examples of contrast, 15–17, 16, 19,
 81
 fingerspelling, 12, 35–8, 36, 37
 gesture and, 9, 104, 193–4, 194
 historical sources, 243
 iconicity, 94, 95, 221–2
 language processing, 9, 94, 95, 173,
 193–6, 194, 195, 196
 language-specific preferences, 56
 prosody, 116, 173
 variation, 243, 246, 247, 249, 253,
 265, 266
 Broca, P., 189
 Broca's area, 189, 191
 Brookshire, G., 48, 238
 Browman, C., 26, 37
 Bybee, J., 105, 161, 186

 Campbell, R., 221, 222
 Cardin, V., 196, 198
 Carlson, M., 227, 228
 Carreiras, M., 187
 Carrigan, E., 150, 165
 Carstairs-McCarthy, A., 71
 Caselli, N., 188, 204

 categorical perception (CP), 50, 107–8,
 178–84, 179, 181, 182, 183, 228,
 269
 Central Taurus Sign Language (CTSL),
 13, 83, 136, 159–60
 Cheek, A., 208
 Cheremic model, 15, 23,
 24
 Chinese, 12, 166
 Chinese Sign Language (Shanghai
 variety), 152, 152
 Chinook Jargon, 137
 Chomsky, N., 18, 20, 25
 Church, R.B., 8
 Clark, H., 118
 classifier predicates, 12, 31, 32, 72, 73,
 273
 acquisition, 34, 153
 L1, 212–13, 218
 L2, 222
 gesture and, 33, 104, 145
 handshape morphemes, 32, 40, 87,
 88, 89, 90, 108, 184. *See also*
individual handshape types
 iconicity and, 87, 88, 89, 90, 103,
 128–9, 145, 222
 locations in, 104, 222
 movement verbs, 32–3, 104
 prosody and, 33–4, 34
 Symmetry and Dominance
 conditions and, 19, 34
 Clements, G.N., 26, 62, 81, 100, 110, 114
 Clerc, L., 244, 253–4
 Coalescence, 115, 115. *See also* prosody:
 Phonological/Prosodic word
 coarticulation, 38, 50, 53
 CODAs (Children of Deaf Adults), 49,
 202, 222–3, 234–5, 269, 271
 Cognitive Phonology, 39, 41–2
 community sign languages, 82, 135,
 136–7, 138, 163, 269. *See also*
individual languages
 complexity, 41, 42, 55–8, 120–1, 144,
 160, 221–2, 245, 246
 articulatory, 55–6, 57, 210–12,
 217
 in handshape, 8, 34, 52, 55–6, 57–8,
 146–56, 147, 148, 154, 162–4, 165,
 197, 211
 in movement, 66, 113, 210, 212,
 273
 information and frequency, 55, 57,
 163, 186
 order of acquisition, 55, 57–8, 210–12,
 217, 218

- phonological structure, 56, 58, 147–8, 218
- three-finger (3-finger) handshapes. *See main entry*
- componentiality, 123–4, 151
- compounds, 5, 5, 25–7, 28, 36, 41, 65, 65, 105, 116, 126, 130, 141, 161, 248, 257, 258, 266
- confusion matrix, 20–1, 22
- Conlin, K., 208, 218
- constraints. *See individual constraints*
- constructed action, 118
- contact, [contact], 23, 26, 36, 40, 53–4, 58, 65, 80, 180, 247, 248, 249, 260, 264, 266
- contr5, 145
- contrast, 6, 8, 9, 13–23, 16, 26, 30, 40, 60, 78, 81–2, 88–9, 90, 100, 102–3, 109, 114, 125, 133, 139, 150–2, 164–5, 184–5, 185, 201, 219, 226, 237, 272
- noun-verb contrasts. *See main entry*
- types
- active, 81–2, 88, 89, 100, 109, 270, 272
 - distinctive, 18, 21, 81, 81–2, 88, 89, 100, 102–3, 270, 272. *See also* minimal pairs
 - opposition, 139, 151, 155–6, 272
 - prominent, 81–2, 88, 100, 114, 184, 270, 272
- conventionalization, 10–11, 97, 126, 159–60
- emerging phonology, 132, 133, 160, 161, 163, 164
- iconic motivations, 11, 76, 78, 96–7, 111, 159–60, 164, 222
- organization of the system, 11, 76, 96–7, 111, 121
- phonetic motivations, 10, 160, 161
- sociolinguistic factors, 11, 161
- Coppola, M., 139, 141, 144, 150, 151, 153, 155, 156, 165
- core component/forms, 12, 13–31, 33, 34, 35, 79, 84, 86, 88–9, 90, 108, 108–9, 162, 184, 212–13, 218, 222, 269
- Corina, D., 50, 53, 64, 113, 175, 186, 191, 193, 198, 233, 248
- Cormier, K., 12, 37, 50
- correspondence, CORRESPONDENCE
- constraints, 39, 41, 106, 140, 141, 145, 153, 155, 269
- cortical stimulation, 191
- Coulter, G., 114
- Crasborn, O., 44, 45, 110, 121, 197
- Cresdee, D., 38
- Cristia, A., 201, 238
- critical period for language acquisition, 3, 202, 203, 224, 225, 270, 271
- Croatian Sign Language (HZJ), 172
- Croft, W., 125
- crossed, [crossed], 146, 148
- Crossley, L., 116, 121, 126, 127
- cross-modal activation, 94, 196, 229, 234–6, 239, 270
- Crow, 70
- Cutler, A., 172
- Cutting, J., 50
- Cuxac, C., 75
- Dachkovsky, S., 105–6, 121, 125, 131
- Danish Sign Language, 77
- Davidson, K., 31, 79, 118, 223
- de Vos, C., 83
- Dell, F., 64
- Demey, E., 97
- Dependency Model, 23, 25, 28–30, 60, 180, 211, 218, 270
- depicting constructions. *See classifier predicates*
- descriptive classifiers, 32, 87, 88
- Deuchar, M., 243
- DGS. *See German Sign Language*
- diachronic variation (historical change), 2, 6, 11, 18, 19, 42, 134, 241–6, 253–67
- assimilation, 255–7, 257, 258, 261, 266
 - centralization, 244, 245, 254, 256, 261, 263
 - ease of articulation/perception and, 41, 242, 258, 260, 261–2
 - iconicity and, 77, 258, 261
 - non-manual to manual, 254, 263
 - toward monosyllabicity, 36, 258, 263
 - two-handed signs and, 20, 244, 245, 255–6, 257, 263, 264
- Dictionary of American Sign Language on Linguistic Principles (DASL)*, 5, 36, 57, 113, 162, 244, 254, 260
- dictionary, Long (1917), 20, 244, 254
- Diehl, R., 179, 181
- Dingemans, M., 79, 82
- direction, [direction] (movement), 17, 21, 23, 81, 85, 103, 111, 174
- verb agreement and, 90–4, 91, 92, 104
- discrimination, 14, 47–9, 119, 178–9, 179, 219, 220, 228, 237, 269

- Dispersion Theory, 39–40, 270, *See also*
 dispersion, DISPERSION
 constraints
- dispersion, DISPERSION constraints, 6,
 39–40, 106, 140, 144, 150, 153–5,
 164
- dispersion index, 163–4
- distalization, 54, 209, 218, 219, 219, 263,
 270, 272
- do Carmo, P., 208
- dominant hand (H1), 19, 34, 115, 127,
 197, 255, 256, 266, 272
- Downing, L., 8, 134
- Dronkers, N., 189
- DSGS. *See* Swiss German Sign Language
- duality of patterning, 4–6, 77, 105,
 138–9, 161
- Dudis, P., 94
- Duncan, S., 7, 33, 103, 133
- duration, 18, 30, 66, 70–1, 82, 102, 112,
 119, 215
- holds, 30, 119, 222
- pauses, 122, 123
- signs, 119, 122, 222, 223, 251–3,
 252
- transitions, 222, 251–3, 252
- Dye, M., 49
- ease of articulation, 10–11, 19, 39, 41,
 53–5, 75, 77, 84, 89, 109, 129,
 140, 155, 159, 161–2, 164, 241,
 242, 248, 260, 261, 266
- ease of perception, 10–11, 39, 41, 52, 75,
 77, 84, 140, 155, 159, 164, 241,
 242, 260, 261
- Eccarius, P., 8, 19, 33, 34, 39, 40, 56, 76,
 77, 88, 89, 108, 111, 141, 152,
 164, 184
- EEG (electroencephalogram). *See* ERP
- efficiency, 39, 140, 150
- Eimas, P., 179
- Ekman, P., 45, 142
- emergence of phonology/language, 13,
 42, 82–3, 120–1, 132–65, 241,
 242, 244, 246, 258, 269, 271, 273
- alignment of prosody/non-manuals,
 142–4, 160
- becoming a phonological system, 8,
 139, 151, 155–6
- complexity in iconic handshapes,
 145–56, 152, 154, 162–4, 165
- initial contact period/varieties, 135,
 136, 137
- motivations for phonological
 constraints, 139–65
- sustained contact period/varieties,
 135, 137–8
- Emmorey, K., 7, 33, 45, 50, 80, 94, 95, 97,
 101, 102, 107, 179, 180, 183, 196,
 197, 199, 225, 231, 233, 234, 235,
 236
- Engberg-Pedersen, E., 31–2
- English, 4, 5, 7, 8, 10, 14, 15, 18, 21, 35,
 40, 50–1, 55, 62, 67, 72, 73, 77,
 78–9, 81, 84, 95, 102, 107, 117,
 118, 119, 122, 137, 166, 171,
 172–3, 176–7, 177, 191, 195,
 194–6, 197, 202, 215, 216–17,
 217, 223, 229, 231, 233, 234–6,
 239–40
- entrainment. *See* neural entrainment
- epenthesis, 26, 64–5, 65
- Ergin, R., 83, 136
- ERP (event-related potential)/EEG
 (electroencephalogram), 49, 166,
 167, 188, 189–90, 194, 224, 236,
 238, 270
- Erting, C., 205
- Event Visibility Hypothesis, 84–6, 85,
 113–14
- exemplar phonology, 186
- experimental populations
- bilinguals. *See main entry*
- CODAs. *See main entry*
- gesturers, 80, 83, 103, 132, 145, 149,
 151–6, 152, 154, 159, 163, 213,
 262
- L2 learners, 95, 182, 200, 203, 212,
 218–25, 219, 227–9
- late learners. *See main entry*
- native signers, deaf, 9–10, 49–50, 94,
 95, 103, 107–9, 122, 123,
 152, 170, 175, 182, 187, 190–1,
 193, 196, 198, 201, 219, 222,
 226–9, 231, 236, 243, 248, 272
- native signers, hearing, 9, 49–50,
 190–1, 193, 272
- See also* CODAs
- non-native signers, 103, 108, 175,
 187, 203, 226, 228, 248
- non-signers, 9–10, 21, 33, 49–50, 51,
 58, 67–70, 69, 80, 83, 86, 94–5, 95,
 100, 108, 114, 119, 123, 138, 172,
 173–8, 174, 180–4, 185–6, 192–3,
 196–7, 198–9, 208, 212, 228–9,
 238, 261–2
- eyeblinks, 34, 34, 45, 122, 125,
 222
- eyebrow positions, 102, 105, 122,
 123–5, 124, 143, 214, 223

Index

323

- facial expressions, 31, 73, 100, 106, 199, 254, 263
 grammatical vs. affective, 50, 102, 105, 105–6, 117, 118–19, 123, 142–3, 180, 183, 183–4, 213
- faithfulness, FAITHFULNESS
 constraints, 6, 40, 87, 141
- feature, 191
- feature economy, 140–1, 151, 153, 155, 163, 261, 267
- feature geometry, 26, 27–8, 84
- feature spreading, 15, 41, 160, 171, *See also* assimilation
 H2-spread. *See main entry*
 non-manual spreading, 106, 115, 116, 117–18, 119, 122, 123–4, 124, 215, 223
- features, 2, 13, 14, 15–18, 19, 20–31, 23, 33, 50, 51, 52, 58, 62, 72, 77, 84, 100, 101, 102–3, 107, 110, 111, 112, 114, 120, 123, 124, 131, 133, 138–9, 140–1, 160, 162, 164, 167, 178, 184, 185, 204, 229, 230, 242, 270, 272, *See also individual feature names*
 addition, 109–10
 feature economy. *See main entry*
 feature spreading. *See main entry*
 feature-morpheme association, 111, 120
 handshape, 16–17, 21, 22, 26, 27, 28–9, 29, 30, 34, 41, 56, 87, 88–9, 102, 109–10, 114, 116, 145–8, 146, 151–6, 171, 172, 173, 178, 179–80, 184, 211
 movement, 17, 21, 27, 59, 59, 63, 85, 91–2, 94, 103, 104, 172, 174, 210
 ordered/segmental vs. unordered/ autosegmental, 27, 29, 30, 171
 place of articulation/setting, 17, 27, 28–9, 30, 114, 171, 172, 173
 relationship with segments, 18, 29–30, 60–1, 61
- Fenlon, J., 43, 52, 104, 242, 247, 265
- fignerspelling:, 89
- films, National Association of the Deaf, 20, 244, 254, 258–60, *See also* National Association of the Deaf
- fingerspelling, 19, 35–8, 36, 64, 170, 197, 217
 acquisition of, 215–17
 dissimilation, 38, 38
 dynamic model, 37
 language differences, 35
 lexicalization of. *See main entry*
 literacy and, 216, 230, 231, 234
 transitions and postures, 37, 66, 208, 220
 variation in, 38, 40, 250
- Finnish, 15
- Finnish Sign Language (FinSL), 71, 106, 113, 113, 208
- Fischer, S., 75, 93, 134, 225–6
- Flege, J., 225
- Flemming, E., 39, 106, 139, 155
- flexion, [flexed], 17, 18, 56, 58, 81, 88, 108, 110, 110, 133, 145, 148, 151
- fMRI (functional magnetic resonance imaging), 10, 167, 188, 190, 193–6, 231, 233
- fNIRS (functional near infrared spectroscopy), 236–7
- Fogel, A., 210
- Fontana, S., 262
- foreign component/forms, 11–12, 35–8, 79, 88–9, 90, 108–10, 184, 212, 270, *See also* fingerspelling
- Fowler, C., 74, 194, 230
- French, 77–8, 186, 230
- French Sign Language (LSF), 243–4, 254, 260, *See also* Old French Sign Language
- Friedman, L., 17, 96
- Frishberg, N., 5, 17, 18, 20, 43, 77, 242, 244, 253–8, 262–5, 267
- Fromkin, V., 167
- Gallaudet, T., 253
- Geraci, C., 64, 242, 246, 262–3, 265–6, 267, 268
- Gerken, L., 14
- German, 94, 168, 169, 236, 245
- German Sign Language (DGS), 13, 15, 56, 91, 94, 119, 138, 168, 169, 170, 218–19, 236, 253, 267
- gesture, 4, 6–10, 12, 31, 33, 34, 42, 45, 78, 79–81, 82, 83, 86, 90, 93–4, 99–105, 106, 114, 117–18, 130, 132–4, 133, 138, 145, 149–56, 159, 163–4, 193–4, 196, 199, 204–5, 212, 213, 261, 262, 271
 accessibility and, 100, 102, 103, 117
 co-sign, 7–8, 99, 133
 co-speech, 6, 7–8, 99, 101, 104, 133–4, 138, 199, 202, 222, 223, 224, 238
 emblematic, 7, 9, 99, 100, 102, 134, 164, 199

- gesture (cont.)
 feature modification, 100, 102–4
 in classifier predicates, 33, 104
 silent gesture, 7, 8–9, 133, 138, 141, 145, 149–50, 151, 262
 gesture vs. language, 6–9, 133–4
 gesture-language interface, 99–106, 114, 130
 Giraud, A., 48, 237
 Goffman, L., 107
 Goldinger, S., 57, 186
 Goldin-Meadow, S., 6, 8, 45, 82, 103, 133–4, 165
 Goldsmith, J., 15, 18, 23, 26, 29, 57, 65, 70, 71, 186, 269
 Goldstein, L., 26, 37, 58
 Gollan, T., 171
 Golston, C., 72
 Gomez, D., 62
 goodness of fit, 108, 184–5, 270
 Gordon, M., 70–1, 112
 Grabe, E., 251
 gradience, 7, 80, 94, 109, 133
 Green, D., 47
 Grenoble, L., 7, 82, 99
 Grigely, J., 79
 Groce, N., 83, 136, 244, 254
 Grosjean, F., 122, 123
 Grosvald, M., 50, 53, 248
 Grote, K., 75, 78, 94
 Gruber, J., 31
- H1. *See* dominant hand
 H2. *See* non-dominant hand
 H2-spread, 115, 121, 126–30, 127, 128, 129
 Haiman, J., 7, 82, 124
 Hakuta, K., 225
 Hall, M., 228, 230
 Halle, M., 18, 25, 27, 58
 Hand Tier Model, 23, 25, 26–8, 29, 180, 270
 handling handshapes/classifiers, 32, 87, 88, 145, 146, 149, 149, 151–6, 154, 159–60, 161, 164, 181
 handshape, 7, 8–9, 12, 15, 16, 18, 19–20, 21, 23, 25–9, 29, 31–4, 35–8, 40–1, 55–6, 57–8, 64, 66–70, 71, 73, 78, 79–80, 85, 87–9, 90, 95, 103–4, 107–10, 108, 111, 113, 114–16, 127–9, 132, 141, 144–56, 146, 147, 148, 159–60, 161–4, 165, 168–71, 170, 172–3, 175, 176, 178, 179–84, 181, 182, 185, 187–8, 191–2, 192, 196–7, 208–9, 210–13, 217–19, 220, 222, 226, 227–8, 235, 246–7, 250, 254, 255–8, 261, 263–6, 272
 acquisition of, 57–8, 147, 153, 207, 208–9, 210–11, 211, 212–13, 215, 217–19, 222, 224
 aperture. *See* main entry
 distribution, 33, 41, 52, 88–9, 144–56
 features, 15–17, 21, 22, 26, 27, 28–9, 29, 30, 34, 41, 56, 87, 88–9, 102, 109–10, 114, 116, 145–8, 151–6, 171, 172, 173, 178, 179–80, 184, 211. *See also* joints; selected fingers; quantity; point of reference
 signing space and, 52, 265
 three-finger handshapes. *See* main entry
- HANDSHAPE SEQUENCING
 CONSTRAINT (HSC), 27, 40–1
- Hanson, V., 230
 Hara, D., 55, 57, 147, 162
 Harnad, S., 50, 178
 Hart, B., 201
 Hawaiian, 14
 Hayes, B., 70
 Hebrew, 176–7, 177
 hemispheric specialization, 189–91, 190, 193, 197
 Henniker Sign Language, 254
 Herrmann, A., 45
 Herzig, M., 7, 33, 80, 101
 Heschl's gyrus, 9, 193, 269, 271
 Hickok, G., 189
 hierarchical structure, 7, 13, 23–31, 28, 61, 61, 133, 147, 178, 209
 Hildebrandt, U., 175, 186, 194, 198
 Hillis, A., 190
 Hillyard, S., 189
 Hirschberg, J., 116, 125
 Hirsh, I., 47
 Hirshorn, W., 231
 historical change. *See* diachronic variation
 historical development of the discipline, 4–6
 theoretical models, 23–31
 Hmong, 14, 72, 73
 Hockett, C., 4, 5, 15, 23
 Hohenberger, A., 168
 Hold-Movement Model, 23, 24–6, 25, 29, 271
 Holm, J., 137
 Holzrichter, A., 205

- homesign, 82, 83, 106, 133–5, 137–8, 141, 149–51, 153–6, 154, 157–9, 158, 160, 163–4, 201, 271
- Hong Kong Sign Language (HKSL), 13
 acquisition, 211
 classifier predicates, 33–4, 34
 iconicity, 77, 78
 language processing, 50, 180
 language-specific preferences, 56
 prosody, 33–4, 34, 121, 125
 well-formedness, 64
- Hopi, 72, 73
- horizontal processing. *See* sequential organization
- Horton, L., 138, 141, 160, 163, 174, 246
- Hosemann, J., 236
- Hume, E., 26
- Humphries, T., 4, 202, 216, 244
- Hwang, S.-O., 48, 83, 141, 159, 238
- Hyman, L., 58
- HZJ. *See* Croatian Sign Language
- iconicity, 41, 111, 128–9, 273
 acquisition and, 188, 204, 205–6, 213, 220–2, 224, 272
 across lexical components, 12, 15, 82–9, 90
 as a phonological pressure, 11, 39, 40, 75, 76–8, 140, 141, 155, 159–60, 164
 defined, 76, 271
 emerging sign languages and, 82–3, 133, 134, 145, 153, 155, 156, 161, 164
 loss of iconicity, 156–9, 161–2
- Event Visibility Hypothesis. *See* main entry
- gesture and, 7, 31, 80, 100, 102–4, 132–3, 134, 153, 155, 156, 164
- historical change and, 258, 261
- in spoken language, 7, 76, 79, 82
- language processing, 10, 80, 94–6, 188
- modality effects, 44, 76, 79, 82, 134
- patterned iconicity, 83–4, 141
- three-finger (3-finger) handshapes. *See* main entry
- transparency and, 83
- types of, 78–9
- verb agreement and, 90–4
- Idsardi, W., 48, 50
- Ijo, 70
- infant-directed signing (IDS), 204–6, 213, *See also* motherese
- inferior frontal cortex (IFC), 236–7
- inferior frontal gyrus (IFG), 10, 194–5, 197, 233
- inferior frontal sulcus (IFS), 196, 271
- inherent features, 28, 31, 114, *See also* specific properties
- Inkelas, S., 11
- instrumental classifiers, 32
- interfaces. *See* specific interfaces
- Iraqw, 70
- Iskarous, K., 58
- Israeli Sign Language (ISL), 13, 86, 105–6, 112, 121, 123–4, 124, 125, 126, 205–6
- Italian, 30, 55, 102
- Italian Sign Language (LIS), 138, 268
 fingerspelling and, 35
 gesture and, 99–100, 145, 152–3, 152
 handshape complexity, 58, 145, 152–3, 152
 iconicity, 77, 86
 language processing, 86
 language-specific preferences, 56
 variation, 242, 246, 253, 262–6, 264, 265
- Itó, J., 11, 58, 89
- Jackendoff, R., 31, 91
- Jakobson, R., 93, 107
- Jantunen, T., 64, 71, 113, 114, 173
- Japanese, 11–12, 57, 88
- Japanese Sign Language (JSL), 57, 83, 125, 159–60, 205
- Johnson, R., 17, 23, 24–5, 126, 247, 271
- Johnston, T., 12, 38, 246
- joints, 17, 19, 23, 26, 27, 28, 40, 55–6, 57–9, 59, 80–1, 88, 109, 111, 112, 133, 145–57, 146, 147, 148, 152, 157, 158, 168, 178, 180, 270, 272
- acquisition and, 209–11, 218, 219, 220
- carpo-metacarpal (CM), 56
- distal interphalangeal (DIP), 55, 56, 59
- metacarpophalangeal (MCP), 55, 59, 110, 110, 151, 260
- proximal interphalangeal (PIP), 31, 55, 56, 59, 151, 220, 260
- proximal vs. distal, 54, 65, 157, 209
- Juszczyk, P., 178, 181, 214
- Kantor, R., 212
- Kaschube, D., 70
- Keane, J., 37, 38
- Kegl, J., 93, 133
- Kelly, A., 216
- Kendon, A., 3, 9, 45

- Kimmelman, V., 121, 126, 127–30, 197
 Kiparksy, P., 11
 Kisch, S., 162
 Kita, S., 19
 Klima, E., 77, 83, 168, 204, 254
 Kluender, K., 179, 181
 KODAs (Kids of Deaf Adults), 202, 271,
See also CODAs
 Kohlrausch, A., 47
 Kongo, 70
 Korean, 62, 63
 Kosslyn, S., 50
 Krahmer, E., 45, 101
 Kuhl, P., 50
 Kuramada, M., 117
 Kusters, A., 2
- Labov, W., 248
 Ladd, D.R., 5, 6, 138
 Laks, B., 186
 Lane, H., 17, 18, 20–1, 122, 123, 243, 254
 Lang, G., 137
 language ecology, 132, 138, 159, 160,
 162, 163, 271
 language transmission, 134, 136–8, 162
 Langue des Signes Québécoise (LSQ),
 192
 Larson, G., 65
 late learners, 271, *See also* age of
 acquisition; critical period for
 language acquisition
 L1, 34, 182, 190, 200, 203, 213, 218,
 224–9, 239
 L2, 95, 182, 218, 224–5, 227–9
 maturation vs. experiential accounts,
 224–5
 native signers vs., 226–9, 228
 phonological bottleneck, 225–6, 229,
 233, 239
 Launer, P., 204
 length. *See* duration
 lengthening, 122–3, 215, 223
 Lenneberg, E., 202, 225
 Lepic, R., 31, 73, 86, 141
 Lewin, T., 218
 lexical access, 186, 226, 270, 272
 lexical components, 11–12, 12, 88–9, 90,
 184–5, 185, 212, 218, *See also*
individual components
 lexical decision task, 94–5, 175, 187, 270
 Lexical Phonology, 11
 lexicalization of fingerspelling, 35–6,
 257
 loan signs, 35–6
 movement reduction, 36, 37
 sonority and, 66, 66, 208
 wordshape and, 35
 Liberman, A., 179
 LIBRAS. *See* Brazilian Sign Language
 Lichtenstein, E., 230
 Liddell, S., 17, 23, 24–5, 93, 94, 102, 126,
 129, 131, 247, 271
 Lieberth, A., 222
 Lillo-Martin, D., 23, 93, 94, 104, 122,
 123, 214
 Linz, E., 94
 LIS. *See* Italian Sign Language
 literacy, 200, 202, 229–40, *See also* cross-
 modal activation
 fingerspelling and, 216, 230, 231, 234
 Multiple-Coding Hypothesis, 230
 orthographic transparency, 231
 phonological readiness, 236
 syllable awareness, 231–4, 239
 Llogoori, 70–1
 location. *See* place of articulation
 Loehr, D., 101
 Long, S., 20, 244, 254
 loudness, phonetic, 46, 47, 65, 237
 LSE. *See* Spanish Sign Language
 LSF. *See* French Sign Language
 Lu, J., 103, 201
 Lucas, C., 242, 243, 246, 247, 248, 267
 Luckner, J., 230
 Luttgens, K., 255
- MacDonald, J., 45
 MacDougall, F., 216
 MacNeillage, P., 59
 MacSweeney, M., 9, 193–5, 199, 233, 234
 Maddieson, I., 14
 Mak, J., 64
 Mandel, M., 17, 18, 27, 56
 Mann, W., 211
 Marentette, P., 55, 206, 210
 Margi, 15
 markedness, MARKEDNESS constraints,
 40–1, 52, 84, 114, 141, 186
 Marr, D., 173
 Marschark, M., 201
 Marshall, C., 133, 222
 Martha's Vineyard Sign Language, 83,
 136–7, 244, 254
 Martinez del Rio, A., 113
 Masataka, N., 205
 Mascaró, J., 245
 Mathur, G., 91, 92, 110
 Mauk, C., 53, 55, 248
 Mayberry, R., 55, 210, 224, 225–6
 Maye, J., 14

- McCandliss, B., 225
 McCarthy, J., 39, 140
 McCaskill, C., 20, 246, 250, 251
 McClave, E., 45
 McCullough, S., 50, 179, 180, 183, 199
 McIntire, M., 208, 210, 214, 215
 McKee, D., 246
 McNeill, D., 45
 McQuarrie, L., 230
 McQueen, J., 172
 Meier, R., 34, 44, 45, 47, 59, 74, 93, 94,
 104, 204, 205, 208, 209, 210, 213,
 224, 240
 Meir, I., 83, 91, 92–3, 94, 97, 104, 136,
 162, 164, 262
 Mester, A., 11, 89
 Mi'kmaq, 14, 18, 145
 Michaels, J., 244, 259
 Mielke, J., 139
 Miller, G., 20–1
 Miller, J.D., 50
 Miller, J.L., 184
 minimal pairs, 6, 14–15, 16, 18, 20, 77,
 81, 89, 104, 109, 110, 139, 160,
 162, 165, 167, 175, 176, 180,
 184–5
 Mirus, G., 218, 240
 Mithun, M., 72
 modality/modality effects, 7, 8, 13,
 44–74, 75, 76, 79, 82, 99, 101–2,
 111, 120, 130, 134, 135, 166, 168,
 171, 189, 194, 198–9, 206, 238,
 239, 242, 248, 269
 amodal properties, 51, 71, 172, 176,
 178, 186, 194, 198, 208, 210, 269
 phonetic, 44, 45, 46, 49–55, 65
 phonological, 44, 46, 60–74, 173
 signal differences, 44–9, 46
 slips of the hand/tongue. *See main entry*
 syllables and, 45, 48, 58–60, 61–74, 68,
 69, 112
 tip-of-the-finger/tongue phenomena.
See main entry
 variation and, 242
 Mohay, H., 205
 monitoring task, 227
 Moreton, E., 261
 Morford, J., 50, 107, 133, 179, 180, 182,
 184, 227–8, 235
 Morgan, G., 133, 208, 210, 221, 222, 240
 morphemes/morphological status, 4, 7,
 11–12, 14, 18, 19, 21, 26–7, 30,
 31–2, 33, 41, 46, 72–4, 78, 80–2,
 84–94, 88, 100–1, 102, 104–5, 107,
 108–9, 111–20, 126, 130, 133,
 145, 151–9, 160, 164, 165, 168,
 172, 173–8, 184–6, 198, 210, 213,
 215, 224, 243, 249, 260, 260, 262,
 269. *See also* contrast: types:
 prominent
 diagnostics for, 73, 100–1, 103, 111,
 114
 features, 72, 73, 80–2, 84–5, 87–94, 91,
 104, 107, 110, 111, 114, 116, 120,
 139, 151–9, 174, 174–5, 184, 242
 morae, 107, 111, 112–13, 114, 116, 120
 phrases and, 72, 107, 116–20
 segments and, 85, 111, 113–14, 120
 syllables and, 67–70, 68, 69, 72–4, 73,
 105, 107, 111–12, 114–16, 120,
 139, 175–8
 words, 72–4, 107, 111, 114–16, 120
 morphology-phonology interface, 99,
 100, 111–20
 event structure, 113–14. *See also* Event
 Visibility Hypothesis
 feature association, 111, 120. *See also*
 stacked; direction; three-finger
 handshapes
 segmental structure and, 113–14,
 120
 syllable association, 112, 114–16,
 120
 Motamedi, Y., 262
 motherese, 204, 205, 206, 272. *See also*
 infant-directed signing
 motor planning, 54–5, 191, 197, 211
 Mous, M., 70
 mouthings, 35, 116, 119
 movement, 5, 8, 15, 16, 17, 19, 20, 21,
 23, 24–6, 27, 31, 35–6, 38, 48, 50,
 53–5, 56, 59–60, 61, 63–70, 65, 71,
 79, 81, 84–6, 91–2, 93–4, 96, 100,
 102–3, 104, 110, 111–13, 114,
 115–16, 119, 122, 156–9, 164,
 170, 171–2, 173–8, 174, 179, 186,
 189, 191–2, 197, 206–10, 211–12,
 215–16, 217–20, 235, 250, 251–3,
 254, 255–7, 259, 260, 261, 262,
 263, 272, 273
 acquisition and, 205, 206–10, 207,
 211–12, 215–16, 217–20, 219,
 224, 226, 227, 238
 complex, 66, 113, 210, 212, 273
 Event Visibility Hypothesis. *See main*
entry
 features, 15, 17, 21, 23, 27, 59, 59, 61,
 63, 85, 91–2, 94, 103, 104, 172,
 174, 210. *See also* direction;
 repetition; trilled movements

- movement (cont.)
 in classifier predicates, 31–3, 73, 104
 path movements. *See main entry*
 path vs. local, 65–6, 111–12, 210, 212, 215,
 reduplication. *See main entry*
 rhyming. *See main entry*
 similarity to vowels, 24, 51, 64, 65, 177, 251
 syllables and, 4, 5, 15, 36, 59–60, 61, 61, 63–70, 71, 72, 111–13, 114, 116, 119, 123, 172, 173, 175–6, 177–8, 206–8, 257, 258, 272, 273,
See also syllabification
 movement migration, 210, 218, 272, *See also* distalization,
 proximalization
 Mufwene, S., 105
 Mulrooney, K., 250
 Munakata, Y., 225
 Mylander, C., 134
- Nänny, M., 75
 Napoli, D.J., 54, 55, 110
 National Association of the Deaf (NAD), 244, 254, 259
 native signers. *See* experimental populations
 natural class, 21
 Neidle, C., 117
 neighborhood density, 57, 187–8
 Nespor, M., 107, 120, 121, 122, 123, 125, 126, 128, 131
 neural entrainment, 48, 237–9, 270, 272
 neural mapping, 9–10, 166–7, 188–98, 231–3, 236–8, *See also* specific brain areas
 articulator movement, 188–91
 gesture vs. sign language, 9–10, 188–91
 iconic forms, 9–10
 sign articulator movement, 191–2
 sign language vs. spoken language, 9, 166, 188–91, 192, 194–6, 198, 231–3, 236–7
 neutral space, 20, 23, 29, 51, 52, 53, 187, 188, 197, 266
 Neville, H., 49, 189–90, 224
 New Zealand Sign Language (NZSL), 35, 38, 246, 248, 267
 Newman, A., 10
 Newport, E., 34, 44, 71, 156, 174, 179, 204, 213, 224, 225
- NGT. *See* Sign Language of the Netherlands
 Nicaraguan Sign Language (NSL), 13, 82, 135, 141, 144, 150, 150, 152, 152, 157, 157–9, 158, 162–4
 Nigerian Pidgin, 137
 NMM. *See* non-manuals
 Nobe, S., 101
 non-dominant hand (H2), 17, 19–20, 29, 34, 34, 38, 99, 115, 120, 121, 126–30, 157, 158, 250, 255
 H2-spread. *See main entry*
 symmetry, 197, 256, 263, 266
 two-handed signs. *See main entry*
 non-manuals, 15, 16, 24, 29, 73, 103, 106, 114, 116, 121, 122–6, 131, 179, 272, *See also* prosodic cues
 acquisition, 213–15, 222–3
 body movements, 45, 106, 118, 122, 223, 254, 262, 263
 eye brows. *See* eye brow positions
 facial expressions. *See main entry*
 grammatical vs. affective, 105, 105–6, 117–20, 123–6, 142–4, 180, 183, 183–4, 213, 214
 head movements, 45, 59, 100, 106, 117–18, 119, 122, 123, 124, 142, 143, 223, 254
 mouthings. *See main entry*
 non-selected fingers, 28, 36, 40, 58, 180, 210, 211
 Norris, D., 173
 noun-verb contrasts, 141, 156–9, 157, 158, 164, 165
 Nyst, V., 136
- object handshapes/classifiers, 32, 145, 146, 149, 149, 151–6, 154, 159–60, 164
- OBLIGATORY CONTOUR PRINCIPLE (OCP), 176
 Occhino, C., 41, 76, 141
 ÖGS. *See* Austrian Sign Language
 Ohala, J., 70
 Okrent, A., 7, 82, 102
 Old French Sign Language (O-FSL), 254, 255, 260, 260, *See also* French Sign Language
 one-handed (1-handed) signs, 19–20, 116, 126, 130, 197, 208, 246, 255, 272
 diachronic variation, 244–5, 245, 262, 265
 perceptual acuity, 52, 265

- synchronic variation, 251, 251
- Optimality Theory, 39–41, 42, 52, 89, 101, 140–1, 155–6, 270, *See also specific constraint types*
- orientation, 15–17, 16, 26, 27–8, 28, 37, 56, 64, 66, 71, 85, 91–2, 92, 170, 173, 208, 212, 215, 219, 220, 260, 272
- classifier handshapes and, 73, 87, 88
- Orlansky, M., 204
- Ormel, E., 235
- Ortega, G., 205, 221
- orthography. *See* written language
- oscillator, 45, 58–60, 62, 63, 71
- Oxford, W., 18, 145
- Padden, C., 4, 12, 15, 20, 83, 92, 125, 164, 215–16, 244, 251, 262
- Pallier, C., 227
- Pan, Z., 211
- paradigm uniformity, 132, 133
- parameters, phonological, 15–18, 16, 21–3, 23, 24, 30, 77, 96, 104, 114, 167, 170, 172, 173, 175, 184, 198, 208–9, 209, 217, 218, 223, 227, 235, 246, 272, *See also individual parameters*
- Parkinson's disease, 54, 54–5, 191, 197, 209, 218, *See also* motor planning, distalization
- Patel, R., 215
- path movements, 31, 64, 65–7, 71, 73, 85, 90–2, 92, 104, 111–13, 116, 119, 210, 212, 215
- Patschke, C., 45, 122
- Péllissier, P., 260
- Pendzich, N-K., 15, 45
- Penfield, W., 225
- Perfetti, C., 230
- Perlmutter, D., 20, 64, 66, 123, 244, 251
- Perniss, P., 94, 97, 98, 205
- PET (positron emission topography), 167, 188, 192, 197
- Petitto, L., 9, 50, 67, 192, 193, 199, 203, 206–7, 210, 236–7, 240
- Pfau, R., 29, 116, 133
- phonetics-phonology interface, 99, 100, 107–11
- phonological processing, 9–10, 31, 42, 166–99, 218–19, 224–40
- age of acquisition and, 172, 181–3, 184, 187, 224–9, 227, 228
- facial expressions, 50, 119–20, 180, 183, 183–4
- linguistic interference, 202, 235–6
- literacy and, 216–17, 229–40
- mental rotation, 50
- motion, 9, 48, 50, 238
- phrasal rhythm, 251–3
- Pinedo Peydró, F., 187
- place of articulation (POA), 15–17, 16, 20, 23, 27, 28–9, 30–1, 51, 52–4, 64, 80, 91, 93, 103, 104, 114, 116, 161, 170, 171, 172, 173, 175, 176, 179–80, 186, 187–8, 189, 194, 196–7, 208, 217, 218, 219, 220, 222, 224, 227, 235, 244, 247–8, 250, 272, *See also* signing space features, 15, 17, 27, 28–9, 30, 114, 171, 172, 173
- historical change and, 254–5, 256, 261, 263–4, 266
- neutral space. *See main entry*
- points of contact, 26, 53–4, 247–8, 249
- sign lowering. *See main entry*
- signing planes, 21, 89, 109, 263
- Poeppl, D., 48, 237
- point of reference (handshape), 146, 148
- pointing, 8, 104, 106, 115, 210
- point-light displays, 21, 173, 237
- Poizner, H., 17, 18, 21, 50, 55, 94, 173, 176, 177, 189, 191, 197
- Polish, 62
- polycomponential forms. *See* classifier predicates
- Portugese Sign Language, 208
- primary auditory cortex (PAC), 193
- priming task, 95, 96, 226, 228, 230, 236, 272
- Prince, A., 39, 140
- prosodic cues, 119, 120–1, 122–30, 142, 214–15, 222–3
- constituent marking, 34, 52, 99, 120–4, 126–30, 140, 143–4, 160, 206, 213, 214–15
- edge phenomena, 41, 62, 122, 130, 140, 170–1, 215
- H2-spread. *See main entry*
- lengthening. *See main entry*
- non-manuals
- eyeblinks. *See main entry*
- eyebrow positions. *See main entry*
- eye-squints, 31, 73, 122, 123–4, 124, 125
- head nods, 106, 119, 122
- prominence, 45, 58–60, 101, 117, 122–3, 215, 247, 249
- prosodic features, 29, 31, 61, 131, *See also specific properties*

- Prosodic Model, 23, 25, 28–31, 29, 56, 58, 59, 59, 60, 61, 61, 145–6, 180, 209–10, 211, 218, 263, 272
- PROSODIC WORD CONSTRAINT, 172–3
- prosody
 foot, 58, 272
 Intermediate Phrase. *See* prosody:
 Phonological Phrase
 intonation, 116–30, 143, 215
 Intonational Phrase (I-phrase), 99, 107, 119–26, 124, 127–30, 128, 223, 271, 272
 mora, 60, 70–1, 111–16, 113, 120, 123, 219, 272
 Phonological Phrase (P-phrase), 99, 101, 107, 120, 122, 126–7, 127, 130, 272
 Phonological/Prosodic word (P-word), 27, 33, 41, 58, 99, 107, 111, 114–16, 115, 120, 126, 162, 168, 173, 216, 247, 258, 272
 syllable. *See main entry*
 utterance, 121, 122–3, 125, 142–3, 157, 223
- Proto-Algonquian (PA), 145
 Proto-Eastern-Algonquian (PEA), 145
 proximalization, 209–10, 217, 218–19, 219, 272
- pseudo-signs, 20, 173, 175–6, 180, 182, 188, 192, 196, 197, 211–12, 237, 271
- Pustejovsky, J., 84
 Puupponen, A., 106
 Pyers, J., 171, 188, 204, 234
- quantity (handshake), 111, 146, 148
- Quer, J., 100, 116, 117, 118
- Radutzky, E., 246, 262–5
 Ramchandran, V., 78
 Ramsey, C., 216
 Ramus, F., 251
 Rathman, C., 91, 110
 Rathmann, C., 91, 92
 Ratliff, M., 72
 reading. *See* literacy
 recall task, 216, 217, 230–1, 272
 Redd, N., 47
 reduplication, 14, 18, 71, 82, 112, 119, 141, 171, 175–8, 177, 198, 207, 210. *See also* repetition
- Reh, M., 70
 Reilly, J., 188, 214, 215, 240
- repetition, 23, 141, 156–9, 157, 164, 172, 174–8, 186, 193, 209, 210, 217. *See also* reduplication
- retrieval, 166, 171, 186–7, 193, 197, 229, 235. *See also* lexical access
- rhyming, 171, 175, 177, 186, 194–6, 195, 233–4, 236, 239,
- Riedl, T., 49
 Rimor, M., 259, 261, 262
 Roberson, D., 178, 181
 Rotokas, 14
 Rubach, J., 62
 Russian, 18, 223
 Russian Sign Language (RSL), 127–9
- Sáfár, A., 121, 126, 127–30, 197
 Sagey, E., 26, 27
 Sallandre, M., 75
 Sanders, N., 54, 55, 110
 Sandler, W., 23, 26, 27, 30, 43, 64, 83, 103, 115, 120, 121, 122, 123, 124, 125, 126, 128, 131, 136, 140, 141, 142, 143, 160–2, 165, 180, 214, 215, 247, 270
- Sandy River Valley Sign Language, 254
 Sapir, E., 4
 Savage-Rumbaugh, E.S., 6
 Schein, J., 201
 Schembri, A., 12, 134, 246, 248, 267
 Schermer, T., 15, 35
 Schick, B., 213
 Schlehofer, D., 219
 Schlenker, P., 45, 103, 199
 Schwartz, R., 55, 56
 Scott, S., 9
 segmentation, 172–3, 186, 238
- segments, 2, 14, 18, 24–30, 46, 60–1, 61, 62, 85, 111, 113, 120, 140, 167, 170, 171, 176, 184, 226, 230–1, 233–4, 239, 272. *See also* timing units/slots
- Seidenberg, M., 225
 Selected Finger Constraint (SFC), 27, 36, 40, 41, 160, 161, 257
- selected fingers, 23, 27, 28–9, 30, 31, 33, 40, 41, 58, 80, 88, 102, 103, 111, 114, 116, 141, 145–56, 146, 147, 148, 149, 152, 162, 168, 170, 171, 178, 180, 192, 210–11, 218, 257. *See also* Selected Finger Constraint
- Selkirk, E., 121
 semantic classifiers, 32
 Senghas, A., 163
 Senghas, R., 135, 136, 165

Index

331

- sequential organization, 18, 24, 25, 35, 47, 63, 66, 70, 72, 111–12, 114–16, 122, 171, 273
- setting (movement), 29, 30–1, 85, 114, 172
- Sevcikova, Z., 50, 179, 181, 184
- shadowing, 197, 225–6
- Shintel, H., 7, 82
- Shona, 15
- Shport, I., 215
- Sign Language of the Netherlands (NGT), 13, 15, 35, 86, 110, 116, 121, 127–30, 129, 205, 236, 250–1, 253, 267
- sign lowering, 53, 246, 248, 249, 250, 261
- signal, 44–9, 46, 52, 102, 108, 181, 196, 198, 237–8, 269, 273
 detection and identification, 47–8
 frequency, 48–9, 67, 207, 207, 237–8, 272
 source, 46
 speed of, 47
- signing space, 51–3, 123, 180, 222, 250, 250, 253, 254, 262, 265, 266
- similarity judgments, 21, 173–4, 175, 194, 228
- simultaneous organization, 18, 24, 26, 45, 47, 55, 63, 66, 70–2, 112–13, 120, 122, 160, 168, 170, 171, 173
 expression of two languages. *See* bilinguals: code-blending
- Singleton, J., 8
- Siple, P., 51–2, 265
- slips of the hand/tongue, 167–8, 169, 170, 171
- Slowiaczek, L., 226
- Smith, A., 107
- Smolensky, P., 39, 140
- sonority, 31, 38, 62–72, 160, 172, 273
 acquisition and, 67, 208, 220
 definition, sign language, 64
 definition, spoken language, 62
 hierarchies, 64
 Sonority Sequencing Principle (SSP). *See main entry*
 syllable weight and, 70–1, 112
- Sonority Sequencing Principle (SSP), 62–3, 71
- Sound Pattern of English, The* (SPE), 18, 23, 25
- Spanish, 171
- Spanish Sign Language (LSE), 187
- spatial component/forms, 1–4, 12, 15, 79, 88–9, 90, 108, 108, 184, 185, 212–13, 273. *See also* classifier predicates; verb types: spatial
- spatial predicates. *See* classifier predicates
- Spencer, P., 205
- Sperling, G., 49
- spread, [spread], 21, 27, 55–6, 88–9, 90, 109, 109, 141, 145, 148, 180, 182
- stacked, [stacked], 81, 88–9, 90, 109, 109, 111, 141, 146, 148
- Starr, C., 48
- Steinbach, M., 133
- Sterne, A., 233, 236
- Stokoe, W., 5, 14–15, 16–18, 21–4, 26, 36, 43, 57, 162, 244, 254, 260
- Stone, A., 203, 208, 216, 220, 237
- Strickland, B., 86, 100, 114
- Structural Phonemic Model, 15, 23
- Strutt, R., 47
- Supalla, T., 12, 20, 31, 44, 71, 138, 156, 174, 212, 242, 258–60, 267
- superior frontal gyrus (SFG), 194
- superior temporal gyrus (STG), 193–4, 196, 236–7, 273
- superior temporal sulcus (STS), 9, 10, 196, 273
- supramarginal gyrus (SMG), 10, 192, 193, 197, 198
- surrogate systems, 2–3, 4
- Swedish Sign Language (SSL), 86, 116, 196, 267
- Swerts, M., 45, 101
- Swingley, D., 14
- Swiss German Sign Language (DSGS), 15, 33, 56, 116, 125
- syllabification, 173, 177, 234
- syllable, 4–5, 14, 15, 20, 27, 36, 41, 45, 48, 51, 58–74, 68, 69, 73, 101–2, 105, 107, 111–12, 114–16, 119, 120, 123, 139, 140–1, 171–2, 173, 175–8, 206–8, 230–4, 237–40, 255–8, 263
 mora. *See* prosody: mora
 nucleus, 60, 61, 64–70, 71, 111–12, 172, 177, 206, 273
 syllabification. *See main entry*
- Syllable Counting Criteria, 66–7, 111–12
- syllable weight. *See* prosody: mora
- Symmetry and Dominance Conditions, 19, 34
- symmetry, SYMMETRY constraints
 historical change, 254, 255–6, 256

- symmetry (cont.)
 of system, 6, 9, 19, 40, 106, 132, 133,
 140–1, 145, 152, 155, 163–4, 270
 two-handed, 19, 73, 87, 126, 197,
 255–6, 263, 264. *See also*
 Symmetry and Dominance
 Conditions
 synchronic variation, 19, 241–3,
 244–53, 260–7
 age-related, 243, 247, 248–9, 251–3,
 252, 261, 262–4, 264, 265, 265–6
 gender-related, 248–9, 250, 251–3,
 252, 265–6
 grammatical category and, 246–7,
 248–9, 266
 grammatical conditioning, 242
 handshape assimilation, 246–7, 247,
 266
 metathesis of POA, 247–8, 248
 one- vs. two-handed signs, 246, 250,
 251, 263, 264, 265, 266
 phrasal rhythm. *See main entry*
 sign lowering, 246, 248, 249, 250
 signing space, 250, 250, 253, 265, 266
 sociolinguistic conditioning, 242
 syntax/semantics-phonology interface,
 99, 100, 120–6
 Sze, F., 121

 Taiwan Sign Language (TSL), 33, 103,
 211
 Takkinen, R., 64, 71, 113, 173, 208
 Tamil, 40
 Tang, G., 64, 121, 122, 125, 211
 Taub, S., 75, 76, 77, 78, 98
 Taylor, C., 55, 56
 Thelan, E., 210
 Thierry, G., 234
 Thompson, R., 94–5, 168, 171, 204
 three-finger handshapes (3-finger), 21,
 33, 78, 148
 threshold of identification, 47
 timing cues, 119, 122. *See also* prosodic
 cues
 pause duration, 122, 123
 phrase final lengthening, 122–3, 215,
 223
 timing units/slots, 2, 13, 15, 24, 29, 60,
 61, 113, 171, 273
 tip-of-the-finger (TOF)/-tongue (TOT),
 167, 168–71, 234
 Tok Pisin, 137
 tone, spoken language, 29, 70, 116, 125
 Treiman, R., 230
 triadic comparison, 21, 94, 173, 273

 trilled movement, [trilled], 65, 67, 85,
 260
 Trubetzkoy, N., 14, 40, 70, 139
 Truckenbrodt, H., 121, 125
 Turkish, 15, 125
 Turkish Sign Language, 86
 two hand interaction, (Types 0–3),
 19–20, 52, 115, 250–1, 255–6, 257
 two-handed (2-handed) signs, 18–20,
 115, 126, 130, 197, 208, 246, 266,
 273
 classifier predicates, 31, 33–4, 34, 73
 historical change, 20, 244–5, 255–6,
 257, 263, 264
 iconicity and, 80, 86–7, 132
 in Black ASL, 20, 251, 251, 266
 perceptual acuity, 52, 265
 Weak Drop. *See main entry*
 Tyrone, M., 53, 55, 123, 191, 248

 Unami Delaware, 145
 unmarked handshapes, 19, 52
 Useful Field of Vision (UFOV), 49, 273

 Välimaa-Blum, R., 41
 Valli, C., 113
 van 't Veer, B., 8, 134
 van der Hulst, H., 23, 28, 30, 43, 60, 61,
 105, 111, 165, 180, 270
 van der Kooij, E., 23, 28, 43, 60, 61, 97,
 105, 111, 121, 164, 165, 251, 261,
 267
 variation. *See* diachronic variation;
 synchronic variation
 verb types
 agreement, 81, 90–4, 91, 92, 104,
 110
 plain, 92
 spatial, 31, 92, 212, 273
 vertical processing. *See* simultaneous
 organization
 Vigliocco, G., 94
 Vihman, M., 208
 village sign languages, 82, 135–7, 138,
 162, 163, 254, 273. *See also*
 individual languages
 Vogel, I., 107, 120, 122, 131
 vowels, spoken language, 15, 18, 24, 40,
 51, 57, 60, 64, 65, 70, 78, 79, 101,
 102, 125, 144, 145, 177, 237, 251

 Wallin, L., 31
 Walpiri, 3
 Waters, G., 230
 Waugh, L., 76

Index

333

- Weak Drop, 20, 250–1, 251, *See also* two-handed signs; diachronic variation; Black ASL
- Weber-Fox, C., 224
- Wedel, A., 14
- well-formedness, 6, 9, 13, 62, 64–5, 65, 132, 173, 208, 214, 230
- Werker, J., 225
- Wernicke, C., 189
- Wernicke's area, 189
- Wetzels, L., 245
- Whalen, D., 179
- Whitworth, C., 56
- whole entity classifiers, 32, 87, 88, 89, 90
- Wilbur, R., 30, 45, 84–6, 113, 121, 122, 123, 125, 131
- Wilcox, P., 75
- Wilcox, S., 37, 41, 75, 76, 84, 100
- William, J., 47
- Williams, J., 219, 220
- Williamson, K., 70
- Wilson, M., 159
- Wolof, 99
- Woods, D., 9
- Woodward, J., 242, 249
- word spotting, 172, 173
- written language, 1, 3, 35, 135, 197, 202, 203, 216–17, 229–31, 234–5, 236, 243
- Wu, Y., 234
- Wurm, S., 137
- Xiang, M., 166
- Xu, Z., 155
- Yang, C., 186
- Yang, P., 72
- Yiddish, 245
- Yip, M., 176
- Zelaznik, H., 122
- Zeshan, U., 83, 100, 133, 136
- Zhao, W., 50, 180