

Contents

1 TASKS AND DEVELOPMENT OF PAEDOLINGUISTICS	<i>page</i>	1
1.1 Paedolinguistics as an independent interdisciplinary field of research		1
1.2 Development of paedolinguistics		4
1.2.1 The first beginnings		4
1.2.2 Clara and William Stern		8
1.2.3 The period until 1941. Roman Jakobson		11
1.2.4 The post-war period		17
1.3 Summary		22
Questions		23
2 THEORETICAL AND METHODOLOGICAL FOUNDATIONS OF PAEDOLINGUISTICS		24
2.1 Present research situation		24
2.2 Language acquisition and linguistic models		33
2.2.1 Pivot grammar		33
2.2.2 Transformational grammars		36
2.2.2.1 Syntax oriented models		37
2.2.2.2 Semantics oriented models		41
2.2.3 Functional approach		46
2.2.4 Holistic models		47
2.2.5 Autonomy of child language		51
2.3 Data collection		52
2.4 Nonverbal and paralinguistic behavior		55
2.5 An integrative approach		58
2.5.1. Communicative acts		59
2.5.2 Methodological outlook		62
2.6 Summary		65
Questions		66
3 FRAMEWORK OF CONDITIONS FOR LANGUAGE ACQUISITION		67
3.1 Neurophysiological foundations		67
3.2 Socio-psychological foundations		70
3.3 Language and thought		73
3.3.1 Important research approaches		74
3.3.2 The Sapir-Whorf hypothesis		93
3.3.3 Language awareness in children		96
3.4 The socio-cultural setting		101
3.4.1 Functional characteristics		101
3.4.2 Social variables		102

3.4.2.1 Structure of the family	102
3.4.2.1.1 Twins and triplets	103
3.4.2.2 Socio-economic status	105
3.4.2.3 Institutional environment	109
3.4.2.4 Playmates, kindergarten	110
3.4.2.5 Sex	111
3.4.3 Social interaction	114
3.4.3.1 Adult-child interaction	115
3.4.3.1.1 Mother-child dyad	116
3.4.3.1.2 Language spoken to children	117
3.4.3.2 Child-child interaction	123
3.5 What is acquired	125
3.5.1 Language as a means of expression and communication	126
3.5.1.1 The functions of language	126
3.5.2 Competence and performance	130
3.5.3 On communicative competence	132
3.5.3.1 Interactional competence	133
3.6 How is language acquired?	134
3.6.1 The behaviorist approach	135
3.6.2 The nativist approach	137
3.6.3 Convergence	139
3.6.4 Imitation	141
3.7 When is language acquired?	146
3.8 Summary	148
Questions	149
4 STAGES OF LANGUAGE DEVELOPMENT	151
4.1 Preliminary remarks	151
4.2 Pre-stages and beginnings of language learning	152
4.2.1 The earliest stages	152
4.2.2 The babbling period	153
4.3 Development of linguistic structures	157
4.3.1 One-word sentences	157
4.3.2 Phonetics and phonology	163
4.3.3 Semantics and the lexicon	172
4.3.4 Syntax and morphology	184
4.4 Summary	195
Questions	198
Notes and References	199
Bibliography (updated for this edition)	205
Name Index by Catherine Badger	221
Subject Index by Catherine Badger	227

Name Index

- Abrahamsen, A. A. 205
Afendras, E. A. 22, 205
Aldrich, C. A. 109f, 205
Ament, W. 7, 135, 205
Anastasi, A. 112, 205
Antinucci, F. 42, 205
Arbeitsgruppe Bielefelder Soziologen
63, 205
Argyle, M. 57, 117, 123, 205
Aristotle 8, 73
Austin, J. L. 59, 63, 66, 132, 205

Bach, E. 205, 209, 214
Bain, B. C. 26, 205
Bakker-Rennes, H. 119, 205
Baldie, B. J. 191, 200, 205
Balfour, G. 178
Bar-Adon, A. 8, 199, 205, 218
Bates, E. 100, 205
Bateson, M. C. 217
Baudouin de Courtenay, J. 6
Beavin, J. H. 220
Bellugi, U. 20, 120, 122, 142f, 186, 188,
199, 205f, 209, 214
Benveniste, E. 166
Bergius, R. 136, 141, 205
Berko, J. 112, 134, 205
Berko Gleason, J. 86, 120, 125, 205
Bernholz, N. 159
Bernstein, B. 27f, 64, 107, 114, 205
Bever, G. 80, 91, 141, 189, 191, 206
Bielefeld, R. 18, 21, 40, 143, 206
Birdwhistell, R. 56f, 206
Blatz, W. E. 105
Bleuler, E. 77, 83, 206
Bloch, O. 12, 206
Bloom, L. 18, 20, 21, 25, 35-9, 50, 53,
66, 141, 143f, 158, 160, 185f, 199, 206
Blount, B. G. 118, 154, 206
Blumer, H. 32, 52, 63, 206
Blurton Jones, N. 123, 201, 206
Bohn, W. E. 99
Bolinger, D. 199, 206
Botts, M. 206
Boulter, L. R. 218
Bowerman, M. 18, 20f, 31, 35, 38f, 42f,
50, 53, 185, 206
Brackbill, J. 216
Braine, M. D. 20, 22, 33, 35, 199, 206
Brandis, W. 28, 108, 206
Brannigan, C. 58, 206
Braun-Lamesch, M. 143, 206
Brenstern Pfanhauser, S. 16f, 206
Britton, J. 103, 206
Brodbeck, A. J. 110, 206
Broen, P. A. 119, 206
Bronckart, J. P. 206
Brown, R. 4, 11, 20, 33f, 38, 40, 42, 45f,
53, 70f, 120, 122, 142f, 145, 158f, 162,
180, 185-8, 193f, 199, 201, 205f, 209,
214, 217
Bruner, J. S. 55, 64, 81, 201, 206, 216
Bühler, C. 15, 78, 106, 155f, 206f
Bühler, K. 8, 15f, 25f, 39, 54, 61, 75f,
86, 123, 126-9, 153, 155, 158ff, 201f,
207
Bullock, M. 58, 117, 133, 153, 207

Caldwell, B. M. 211
Camaioni, L. 205
Campbell, B. 69, 207
Campbell, R. 21, 41, 141, 207
Carmichael, L. 214
Carroll, J. B. 154
Caudill, W. 117, 207
Cazden, C. B. 108, 207
Chafe, W. L. 46, 207
Chapman, R. S. 178, 219
Chase, S. 94, 207
Chipman, H. 207, 209
Chomsky, C. 40, 179, 189, 207
Chomsky, N. 8, 17, 20, 30f, 36ff, 40f, 66,
120, 130f, 136-9, 149, 207
Chukovski, K. 98, 180, 207
Church, J. 3, 21, 26, 55, 70, 72, 86, 94,
136, 139, 143f, 155, 207
Cicourel, A. V. 63, 207
Clark, E. V. 21, 172f, 175, 177f, 207
Clark, H. 207
Cohen, M. 12, 207
Cole, P. 210
Compayré, G. 6, 207
Condon, W. 56, 207
Cook, V. J. 207
Correll, W. 109f, 135f, 207
Coseriu, E. 29, 207

- Costello, A. 54, 208
 Cowe, E. G. 111, 208
 Cruttenden, A. 164
 Crystal, D. 57, 208
 Curtiss, S. 71, 147, 208
- Dale, P. S. 90, 108, 141, 183, 202, 208
 Dance, F. E. X. 209
 D'Angelo, R. 112, 205
 Darley, F. L. 219
 Darwin, C. 56, 208
 Dato, D. P. 207f
 Davis, E. A. 104, 106f, 112, 208
 Day, E. J. 104ff, 208
 Day, R. S. 220
 Delacroix, H. 15, 208
 Denzin, N. K. 208
 Dennis, M. 68, 208
 Derwing, B. L. 131, 139, 200, 208
 Descoeudres, A. 105, 208
 Deutsch, M. 106, 208
 Deville, G. 6, 208
 Devin, J. 125, 217
 Dewey, J. 174f, 177, 208
 Dingwall, W. O. 140, 171, 208
 Donaldson, M. 78, 178
 Dore, J. 157, 159, 161, 208
 Doyle, W. 215
 Drachmann, G. 215
 Dressler, W. 200
 Drever, J. 202
 Duncan, S. D. J. 57, 208
- Eco, U. 59, 200, 208
 Edwards, M. L. 170, 208
 Egger, E. 6, 208
 Eilers, R. E. 178, 208
 Eimas, P. 155, 208
 Ekman, P. 56, 208
 Elkind, D. 218
 Ellington, J. 208
 Elwert, S. M. 99, 209
 Endler, N. S. 218
 Ervin, S. 21, 33ff, 141f, 193f, 209, 214
 Ervin-Tripp, S. M. 22, 41, 59, 122, 129,
 133, 151, 154, 156, 168, 188, 194, 209
 Escalona, S. K. 55, 209
- Farwell, C. 118, 164f, 209
 Ferguson, C. A. 20, 22, 25, 115, 118,
 120, 143f, 163ff, 168f, 171, 185, 194,
 205, 209, 218f
 Ferreiro, E. 189, 209
- Fidelholtz, J. L. 207
 Fillmore, C. 42f, 48, 209
 Firth, J. R. 60, 163, 209
 Flavell, J. H. 63, 209, 214, 218
 Fletcher, M. 105
 Fletcher, P. 209
 Flores d'Arcais, G. B. 209, 218
 Fodor, J. A. 2, 90, 202, 209
 Francescato, G. 22, 101, 143, 168, 209
 Franke, C. 6
 Franklin, M. B. 208
 Fraser, C. 20, 33ff, 119, 142, 144, 191,
 199, 206, 209
 Friesen, W. V. 56, 208
 Fröhlich, W. D. 202
 Fromkin, V. 208
 Fudge, E. C. 199, 209
 Furth, H. 81, 90f, 93, 200, 202, 209
- Galton, F. 73f
 Gardiner, M. 68, 209
 Garfinkel, H. 63
 Garmon, M. 209
 Garnica, O. 122, 163, 170, 209f
 Garvey, C. 78, 124f, 210
 Gazzaniga, M. S. 68, 210, 219
 Gebhardt, U. 201
 Geest, A. J. van der 35, 39, 133, 210
 Gelman, R. 125, 218
 Geschwind, N. 68, 210
 Gewirtz, J. L. 216
 Gheorgov, J. A. 6, 12, 210
 Ginnekin, J. van 12, 210
 Gipper, H. 93, 95, 210
 Gladwin, T. 211
 Gleitman, H. 210
 Gleitman, L. R. 97, 210, 218
 Goff, W. R. 220
 Goldfarb, W. 110, 210
 Gordon, J. 209
 Grammont, M. 6, 11f, 14, 210
 Greenberg, J. H. 29, 210
 Greenfield, P. M. 162, 206, 210
 Grégoire, A. 12f, 14, 19, 161, 168, 210
 Grice, H. P. 25, 210
 Griffin, W. J. 215
 Grigsby, O. J. 183
 Grimm, H. 2, 40, 210
 Gruber, J. S. 199, 210
 Guillaume, P. 15, 145, 210
 Gumperz, J. J. 62, 64, 210
 Gutzmann, H. 14, 210
 Gvozdev, A. N. 19, 187, 193, 210

- Habermas, J. 203, 210
 Hakes, D. T. 211
 Hall, E. T. 59, 211
 Halliday, M.: A. K. 25, 46f, 50, 60, 100, 129, 157, 211
 Hanlon, C. 185f, 188, 206
 Hannig, C. 199, 211
 Harms, R. J. 205, 209, 214
 Haugen, E. 96
 Hayes, J. R. 22, 206, 211, 217, 219
 Hécaen, H. 199, 211
 Heilmann, L. 200, 208
 Henderson, D. 28, 108, 206
 Herder, J. G. von 93
 Hess, R. D. 122, 211
 Hetzer, H. 106, 156, 207, 211
 Hiebsch, H. 89, 211
 Higgenbotham, D. C. 211
 Hill, A. A. 200
 Hinde, R. 217
 Hintikka, J. 215
 Hjelmslev, L. 48
 Hoch, P. H. 210
 Hoefnagel-Höhle, M. 119
 Hogan, R. 78, 124, 210
 Hoijer, H. 93f, 131, 211
 Holenstein, E. 129, 211
 Holmlund, C. 108, 211
 Honig, A. S. 123, 211
 Hörmann, H. 89, 93, 105, 131f, 136f, 172, 178f, 202f, 211
 Howard, R. W. 105, 211
 Hoyer, A. 154, 211
 Hoyer, G. 154, 211
 Hubleyz, P. 219
 Humboldt, W. v. 73, 93
 Humphries, D. A. 58, 206
 Huttenlocher, J. 178, 211
 Huxley, R. 147, 211, 217
 Hymes, D. 59, 62, 64, 131ff, 201, 210f

 Idelberger, H. A. 7, 135, 211
 Ingram, D. 163f, 171, 211
 Ingram, R. 147, 208, 211, 217
 Ingvar, D. H. 69, 211
 Irwin, O. C. 21, 106, 110, 153, 155, 169, 206, 211
 Itard, J. 213

 Jacklin, C. N. 113, 213
 Jackson, D. D. 220
 Jackson, J. A. 201
 Jaffe, J. 58, 211
 Jakobovits, L. A. 212
 Jakobson, R. 7, 11–14, 16f, 20, 22f, 47, 54, 69, 128f, 145, 154, 163–70, 180, 198f, 201, 203, 211f
 Jenkins, J. J. 2, 136, 209, 212
 Jersild, A. T. 123, 212
 Jespersen, L. 11, 104, 116, 160, 174, 212
 Johansson, B. A. 113, 217
 Johnson, D. L. 108, 212
 Jonas, D. F. 212
 Jonas, A. D. 212
 Jones, R. M. 143, 155, 212

 Kagan, J. 212
 Kainz, F. 85, 129, 212
 Kaper, W. 20, 41, 98ff, 142, 188, 200, 212
 Kaplan, B. 91, 157, 220
 Karlin, I. W. 112, 212
 Karmiloff-Smith, A. 212
 Katz, D. 78, 115, 212
 Katz, R. 78, 115, 212
 Keenan, E. O. 78, 86, 115, 124, 145, 212
 Kegel, G. 22, 183, 200, 212
 Keller, H. 81
 Kendon, A. 56, 212
 Kessel, F. S. 189
 Kessler, A. R. 207
 Kirk, S. A. 112, 214
 Klann, G. 199, 212
 Knop, C. 205
 Köhler, W. 201
 König, G. 199, 212
 Kogan, N. 29, 220
 Krashen, S. D. 68, 208, 212
 Kussmaul, A. 5, 212

 Labov, W. 64, 108, 212
 Lahey, M. 206
 Lakoff, G. 42, 212
 Lamb, S. 48f, 212
 Lange, G. 192
 Lavatel, C. S. 219
 Lawton, D. 73, 81, 84, 86, 89ff, 94, 103, 106ff, 201, 212
 Lebra, W. P. 207
 Lebrun, J. 216f
 Lee, L. C. 29, 212
 Lehmann, W. P. 68, 212
 Leischner, A. 68f, 213
 Leisi, E. 180
 Lejska, V. 111, 213
 Lenneberg, E. 209, 213, 217f
 Lenneberg, E. H. 4, 67–71, 94, 138, 146f, 149, 151–4, 159f, 162, 167, 173f, 184, 209, 213, 217f

- Leont'ev, A. A. 213
 Leont'ev, A. N. 90, 213
 Leont'ev, Russ 26, 129
 Leopold, W. F. 6, 8, 12, 16, 19f, 155f,
 161, 163f, 171-4, 177f, 184f, 187, 192,
 194, 199, 205, 213, 218
 Leuninger, H. 2, 139, 213
 Levelt, W. I. M. 209, 218
 Lewandowski, T. 202f
 Lewis, M. M. 3, 4, 15, 21, 72, 82, 91,
 100, 111, 128, 140, 142, 151ff, 155-8,
 160f, 171, 174f, 213, 215
 Liebermann, P. 152, 213
 Lind, J. 152, 213
 Lindner, G. 5ff, 102, 135, 156, 168, 213
 List, G. 139, 213
 Lloyd, L. 208, 214, 217
 Löbisch, J. E. 5, 213
 Lock, A. 213
 Lockwood, D. G. 49, 212f
 De Long, A. J. 58, 213
 Lucas, J. 116, 225
 Luhmann, N. 210
 Luria, A. R. 15f, 21, 26, 76, 87-90, 104,
 201, 213, 220
 Luria, Z. 216
 Lyons, J. 213

 Maccoby, E. E. 113, 213
 Macnamara, J. 122, 172, 213
 Makkai, A. 49, 212f
 Malinowski, B. 55, 60, 62, 202, 213
 Malson, L. 70, 213
 Mann, L. 213
 Mannoni, L. 213
 Maratsos, M. P. 124, 213
 Markey, F. V. 123, 212
 Maruszewski, M. 68, 214
 Mason, M. 105
 Mayr, E. 140, 214
 McCaffrey, A. 155, 214
 McCarthy, D. 4, 8, 16, 21f, 27, 55, 78,
 102, 104-12, 141, 151-4, 169, 182f,
 199, 214
 McCarthy, J. J. 112, 214
 McCawley, J. D. 42, 214
 McCormack, W. L. 208, 214, 218
 McNeill, D. 20, 22, 30, 34, 37, 40, 137,
 141, 158, 214
 Mead, G. H. 63, 214
 Menyuk, P. 4, 20, 40f, 66, 69, 143f, 156,
 159, 163, 188, 191, 199, 214
 Merleau-Ponty, M. 26, 214
 Messelken, H. 202, 214

 Meumann, E. 7, 135, 161, 174f, 214
 Michel-Kernan, C. 209
 Miller, G. A. 74, 214, 218
 Miller, J. F. 144, 214
 Miller, M. H. 2, 213
 Miller, R. T. 208
 Miller, S. A. 90, 214
 Miller, W. 21, 33ff, 214
 Millikan, C. H. 219
 Milner, E. 103, 214
 Mischel, T. 209
 Mittler, P. 105, 214
 Moerk, E. 122, 214
 Mollenhauer, K. 200
 Moore, T. E. 207, 209f, 214, 218
 Morgan, J. 210
 Morsbach, G. 189, 214
 Morse, P. A. 155, 214
 Morton, J. 139f, 214
 Moskowitz, A. I. 163, 167, 214
 Mowrer, O. H. 136, 153, 163, 215
 Mueller, E. C. 124, 215
 Mueller, M. 116, 215
 Müller, F. 2, 213
 Müller, M. 73f
 Murai, J. 19, 151, 155, 215
 Mussen, P. H. 211, 215

 Nakazima, S. 151, 215
 Nelson, K. 113, 163, 177, 215
 Neuhaus, W. 192
 Nisbet, J. 102
 Norris, R. C. 215
 Norval, M. 205

 Ochs, E. 215
 O'Connor, N. 218
 O'Donnell, R. C. 215
 Oftedal, M. 114, 215
 Ogden, C. K. 202
 Öhman, S. 202
 Ohnesorg, K. 2, 19, 164, 213, 215, 218
 Oksaar, E. 4, 18f, 21f, 24f, 30, 40, 42,
 48, 51, 58, 64, 72, 74, 97, 131, 133,
 137, 139, 143, 147, 161, 164-8, 173,
 176, 180f, 192, 194, 199-203, 215
 Oller, D. K. 155, 208, 212
 Olmsted, D. L. 136, 139, 163f, 169, 171,
 200, 215f
 Olson, D. 46, 216
 Oltuscewski, W. 6f, 135, 216
 Oliver, R. R. 206
 Osgood, C. E. 216
 Osgood, C. 2, 136, 199, 212, 216

- Osser, H. 218
 Othenin-Girard, H. 209
 Pačesová, J. 171, 216
 Panconcelli-Calzia, G. 70f, 216
 Papandropoulou, J. 206
 Parisi, D. 42, 205, 216
 Park, T. 35, 38f, 43, 45, 50, 185, 187, 193, 216
 Parsons, T. 126, 201, 216
 Paul, H. 116
 Pavlov, I. 135, 216
 Pavlovitch, M. 11f, 216
 Peery, J. C. 211
 Peizer, D. B. 136, 139, 171, 200, 216
 Penfield, W. 67, 146f, 216
 Pérez, B. 5, 6, 216
 Phillips, J. 122, 216
 Piaget, J. 3, 15, 23, 26f, 50, 76–86, 90f, 124, 147f, 150, 177, 191, 200–3, 216
 Pianarosa, A. 22, 205
 Pike, K. 47f, 62, 66, 216
 Plato 74, 126
 Poyatos, F. 57, 216
 Pozner, J. 108, 216
 Pregel, D. 199, 216
 Preyer, W. 5–8, 135, 216
 Rabson, A. 212
 Raffler-Engel, W. von 18, 57, 216f
 Ramer, A. L. H. 29, 113, 208, 216
 Ramge, H. 201
 Rebelsky, F. 112, 216
 Reed, C. E. 216
 Reindorf, B. 106, 211
 Rheingold, H. L. 110, 216
 Richards, J. A. 202
 Richards, M. 217
 Richter, F. 8, 199, 217
 Rickheit, G. 191f, 199, 203, 216f
 Rieber, R. W. 73f, 217
 Riegel, K. 26, 217
 Rigler, D. 208
 Rigler, M. 208
 Roberts, L. 67, 146f, 216
 Roberts, N. 119, 209
 Romanes, G. 74
 Rommetveit, R. 144, 189ff, 220
 Ronjat, J. 12, 99, 217
 Rosansky, E. J. 147, 217
 Rosenblum, L. A. 215
 Rosenthal, M. K. 115, 217
 Ross, C. 215
 Ross, H. W. 216
 Rossi-Landi, F. 74
 Rūke-Dravina, V. 202
 Ryan, J. 115, 145, 217
 Sachs, J. 119, 125, 217
 Sacks, H. 63
 Salerno, R. 217
 Saltz, E. 108, 216
 Salus, M. W. 171, 217
 Salus, P. H. 171, 217
 Sander, L. W. 56, 207
 Sapir, E. 73, 82f, 93ff, 148, 202, 217
 Saporta, S. 2, 209
 Savić, S. 217
 de Saussure, F. 99, 131, 202
 Schaerlaekens, A. M. 21, 38f, 46, 53, 105, 112, 114, 143, 217
 Scheffelin, B. 215
 Schegloff, E. A. 63
 Scherer, K. 57, 217
 Schiefelbusch, R. 208, 214, 217
 Schlee, J. 28, 107, 113f, 217
 Schleicher, A. 6, 217
 Schlesinger, I. M. 31, 44ff, 50, 143, 186, 217
 Schloon, M. 54, 123, 217
 Schmidt, S. J. 200–1
 Schmidt, W. H. O. 26f, 217
 Schuchardt, H. 116
 Schultze, F. 5, 199, 217
 Searle, J. R. 59, 63, 66, 217
 Sebeok, T. A. 2, 57, 199ff, 208–12, 215–18
 Segerstedt, T. T. 94, 126, 217
 Seiffert, H. 31f, 218
 Seiler, H. 29, 218
 Shatz, M. 125, 218
 Sheeran, L. 219
 Shelton, J. 214
 Shields, M. M. 27, 64, 78, 86, 115, 124, 145, 218
 Shils, E. 126, 201, 216
 Shinn, M. W. 6f, 218
 Shipley, E. F. 97, 144, 158, 210, 218
 Shipmann, V. C. 122, 211
 Shvachkin, N. Kh. 169ff, 218
 Sigismund, B. 5, 218
 Simmel, G. 116
 Sinclair, H. 21, 91, 141, 202, 206, 209, 218
 Skalička, V. 131, 218
 Skinner, B. F. 135f, 142, 218
 Slama-Cazacu, T. 2, 21f, 26, 30, 115, 138–41, 199, 218
 Slobin, D. I. 16, 18, 20ff, 25f, 28f, 143f, 163, 186ff, 192ff, 200, 205, 209, 217ff

Name Index

- Smith, C. S. 131, 218f
 Smith, F. 214, 218
 Smith, J. H. 210
 Smith, M. E. 182f, 219
 Smith, N. V. 167, 170, 219
 Smith, P. T. 207
 Snow, C. E. 115, 118ff, 122f, 209, 219
 Solso, R. L. 211
 Sperry, R. W. 68, 219
 Spitz, R. A. 109, 116ff, 144, 158, 219
 Stampe, D. 163, 219
 Starr, R. H. 216
 Steel, P. M. 189, 214
 Steinberg, D. D. 212
 Stevenson-Hinde, J. 217
 Stemmer, N. 219
 Stern, C. 1, 4, 6–11, 22f, 25, 32, 55, 70, 72f, 76, 78, 98, 102, 104f, 115f, 120, 128, 142, 151, 153ff, 158–61, 174, 180, 183ff, 187f, 191ff, 199f, 203, 219
 Stern, D. N. 211
 Stern, W. 1, 3f, 6–11, 22f, 25, 32, 53, 55, 70, 72–6, 78, 86, 98, 102, 104f, 109, 111, 115f, 120, 128, 140, 142, 144f, 151, 153ff, 158–61, 174, 180, 183ff, 187f, 191ff, 199f, 202f, 219
 Strevenson, A. 158, 219
 Sturtevant, W. 211
 Sudnow, D. 63, 219
 Sully, J. 6, 169, 219
 Ščerba, L. V. 203

 Taine, H. 5, 199, 219
 Tannenbaum, J. 211
 Tanz, C. 219
 Tappolet, E. 161
 Templin, M. C. 106, 112, 169, 183, 219
 Terman, L. M. 112, 219
 Thomas, W. I. 60, 72, 219f
 Thomson, J. R. 178, 219
 Thorndike, E. L. 135f, 182, 219
 Tiedemann, D. 5, 219
 Trager, G. L. 56f, 219
 Trevarthen, C. 56, 219
 Truby, H. M. 54, 151f, 154, 220
 Tudor-Hart, B. 207
 Turner, E. A. 144, 189ff, 220
 Turner, J. 220
 Tyler, L. E. 112, 219

 Uldall, H. I. 48

 Velten, H. V. 164, 168, 192, 220
 Vendler, Z. 74
 Venegas, F. 205
 Vierordt, K. 5, 220
 de Villiers, J. G. 97, 220
 de Villiers, P. A. 97, 220
 Volkart, E. H. 60, 220
 Volterra, V. 205
 Vorster, J. 115, 118f, 220
 Vygotsky, L. S. 15f, 23, 26, 75–8, 82–7, 90, 148, 150, 201f, 220

 Wales, R. 21, 41, 141, 178, 207
 Wallach, M. A. 29, 220
 Wanner, E. 184, 220
 Waterson, N. 163, 220
 Watson, J. B. 86, 135, 220
 Watzlawick, P. 133, 220
 Weeks, T. E. 86, 125, 220
 Wegener, P. H. 57, 59f, 201, 220
 Weintraub, S. 205
 Weir, R. 20, 47, 155, 166, 192, 220
 Weisgerber, L. 93, 220
 Wells, G. 220
 Welsh, C. A. 144, 219
 Werner, H. 91, 157, 220
 Whitaker, H. J. 68, 208
 Whorf, B. L. 73, 82f, 93ff, 148, 220
 Wiemann, L. A. 215
 Wilson, T. P. 201
 Wittgenstein, L. 132, 220
 Wolff, G. 92
 Wood, C. L. 68, 220
 Wunderlich, D. 62, 220
 Wundt, W. 7f, 55, 135, 187, 201, 220
 Wurm, S. A. 208, 214, 218

 Yudovich, F. I. 21, 26, 88ff, 104, 213

 Zazzo, R. 105, 220
 Zeller, W. 3, 220
 Zubinn, J. 210

Subject Index

- act
 - communicative, 56, 58–62, 65f, 118, 125, 149, 159, 175, 185, 195
- accommodation, 64, 79
- action
 - social, 25
 - speech, 25
- adaptive behavior, 79
- aphasia, aphasic, 13, 69, 146
- appeal, appellative function; *see* linguistic function
- approach
 - behaviorist, 135f
 - functionalist, 46, 65
 - integrative, 58, 62, 65
 - interactional, 64ff
 - correlational, 64ff
 - nativist, 134, 137ff, 141
 - see also* method
- appropriateness, 132
- articulation, 111f, 118, 154
- assimilation, 64, 79, 166, 171
- attention, 110, 135
 - emotional, 71, 110
 - linguistic, 71, 104
- autism theory, 77, 136f, 142, 153, 163
- babbling, 9f, 26, 116, 151, 153–7, 198
- babbling period, 153ff, 195f
- baby talk, 101, 103, 116, 117–21, 125
- behavior
 - adaptive, 79
 - actional, 50
 - cognitive, 26, 91
 - communicative, 50, 56f, 197
 - nonverbal, 55ff, 65, 121
 - object related, 116
 - paralinguistic, 55
 - person related, 116
 - speech, 29
 - verbal, 56, 197
- behavioral characteristics
 - affective, 59
- behaviorism, behaviorist, 134ff, 163
- bilingual, bilingualism, 12, 16, 19, 22, 96
- characteristics
 - personal, 113
 - qualitative, 115
- child language research, 1–8, 12, 25, 70, 97
- class
 - open, 34
- code, 64, 107
- comitative, 192
- communication, 2, 20f, 69, 88, 134, 157, 166
- communication channel
 - auditive, 56
 - gustatory, 57
 - olfactory, 57
 - tactile, 57
 - visual, 56
- comparison, 10, 192
- competence, 36, 40f, 130ff
 - communicative, 2, 72, 130, 132f, 203
 - decoding, 49
 - encoding, 49
 - grammatic, 200
 - interactional, 133f, 149
 - language, 31, 36
 - linguistic, 34ff, 39, 54, 81, 130f, 139
 - sociolinguistic, 133
- comprehension/understanding, 160, 190
 - language, 2, 181, 189ff, 196f
 - sentence, 161, 189ff
 - tests, 100, 189f
- conditioning, 135f, 139
 - classic or reactive, 135f
 - operant or instrumental, 135f
- congruence
 - semantic, 98, 121, 179f
 - semantic rules of, 98
- conjugation, 10, 192f
- context, 20, 129, 202
 - biological, 2
 - linguistic, 173
 - situation, 22, 24, 41, 53, 59, 157, 173, 184f, 196
 - social, 2, 139
 - theory, 131
- convergence, 9, 139ff
 - theory, 8, 109, 149
- correspondence hypothesis, 200
- cry, crying, 9, 152f, 195
- culture, 72f, 107

- data collection/acquisition, 8, 19ff, 52ff, 65
- declension/declination, 10, 187, 192
- deprivation, 109f
- determinism
 - linguistic, 82, 94
- development
 - cognitive/mental, 4, 22, 25, 27, 73f, 79ff, 87f, 139f, 148
 - emotional, 116, 149
 - intellectual, 82, 109
 - linguistic, 2ff, 79, 87f, 140, 148
 - ontogenetic, 83
 - phylogenetic, 83
 - social, 87, 110f, 116, 148f
- development, stages of, 79, 97
 - formal or abstract operations, 80, 147
 - concrete operations, 80, 191
 - pre-operational, 4, 79f
 - sensori-motoric, 79, 81, 144
- dialogue, 12, 72, 115, 124, 129, 145
- dissimilation, 171
- echolalia, echolalling, 77, 203
- egocentric language, 1, 15f, 77f, 83ff
- egocentric thought, 4, 15, 77f, 80
- egocentricity, 77, 86
 - coefficient, 15, 78
 - theory, 64
- emphasis/stress, 12, 159, 187
- empirical evidence, 31, 130
- empirical research, 31
- empiricism, 138
- empiricist-nativist controversy, 139f, 149
- empractic, 39
- environment/surroundings
 - conditions, 78, 106
 - influence, 70ff, 82
 - institutional, 109f, 148
 - linguistic, 101
 - sociocultural, 101, 139
 - variables, 27, 102–14
- ethnomethodology, 63
- evolutionism, 5
- expansion, 122f
- expansion of meaning, 173ff, 177, 196
- express, expressive function; *see* linguistic function
- facial expression, 55ff, 98
- features, 173, 175, 177ff
 - dialectal, 101
 - idiolectal, 101
 - semantic, 173, 177ff, 196, 203
 - sociolectal, 101
- feature class, 176
- flexion
 - inflectional endings, 10, 185, 192ff
- foreign language acquisition, 146f, 149
- function of language, 46f
 - communicative, 26, 97
 - grammatic, 35
 - semantic, 35, 43, 127f
 - social, 26
 - signs, 16, 128, 61
 - see also* linguistic function
- gesture, 55, 57f, 61, 65, 121f, 201
- global expressions, 157ff
- gr- sounds, 152
- grammar, 33–52, 94, 130, 137, 144, 188f
 - case, 17, 42ff
 - dependence, 17
 - transformational, 17, 24, 28, 30, 36–41, 43, 65, 137, 139, 151, 158, 186, 188
 - listener, 134
 - performance, 51
 - pivot, 25, 33ff, 65, 186
 - semantics-oriented, 41–6
 - stratificational, 47ff, 65
 - syntax-oriented, 37–41
 - theory, 17
 - two word, 34
 - see also* tagmemic, 47ff
- grammaticality, grammatical, 97, 126, 189
- habit, 137, 203
- harmony
 - of consonants, 167
 - of vowels, 167, 194
- holophrase, holophrastic, 156, 158f
 - see also* one-word sentence
- homonymy, 134, 168
- hospitalism, 109
- humanization, process of, 27
- hypotaxis, hypotactic, 4, 10, 191
- identity thesis, 86
- idiom
 - phonological, 169
 - progressive, 169
 - regressive, 169
- imitation, 7f, 15f, 141–6, 149, 154, 190f
 - non-spontaneous (elicited), 141
 - spontaneous, 141
- implicature, 25
- information, extralinguistic, 37, 43
- input, 122

- institutional milieu, 77
 - see also* environment, institutional
- intellectualism, 135
- intellectualist, intellectualistic, 7
- intelligence, 77, 102f, 107ff
- interaction, 25, 41, 50, 57ff, 62f, 100, 123f, 149, 202
 - direct, 133
 - adult-child, 103, 115f, 121f, 130, 149
 - child-child, 54, 58, 123ff, 130, 145, 149
 - mother-child, 58, 122, 142, 149
 - social, 50, 64, 80, 110, 114f, 123, 149, 201
- interactionalism
 - symbolic, 63
- interdisciplinary, 1, 3f, 17, 22, 31, 50, 62ff, 68f, 198
- intonation, 43, 61, 65, 98, 118, 154, 161, 184, 195f
 - pattern, 155, 160
- irreversibility, semantic, 190
- Jakobson's rules of sound acquisition, 163ff
- kindergarten, 4, 111, 120, 148
- kine, kineme, 57
- kinesics, kinesic, 3, 20, 56ff, 61, 72, 116, 133, 144, 159, 196, 200
- LAD (language acquisition device), 30, 36, 115, 137
- language
 - and culture, 93
 - and intellectual development, 15
 - and social development, 16
 - and thought, 73f, 85f, 90f, 93, 148
 - egocentric, 15f, 77f, 83ff
 - emotional, 7
 - external, 84f, 87
 - inner, 16, 84ff
 - of gestures, 16, 57
 - of the father, 119f
 - of the mother, 117ff, 122
 - socialized, 15, 77f, 84f
 - spontaneous, 78
 - telegraphic, 142f, 149
 - verbal, 1, 39, 51f, 56f, 138, 155, 191
 - written, 51f
- language acquisition, 1ff, 9, 11–15, 17ff, 25, 28, 52f, 134–41
 - biological aspects, 67f, 70
 - critical age, 146f, 149
 - neurophysical foundations, 69, 146
 - sociocultural requirements, 73
 - sociopsychological requirements, 70, 148
- language acquisition research, 2f, 11, 13, 19f, 24, 29f, 33, 36, 41, 46f, 50, 97, 130
- language acquisition mechanism, innate, 30, 65, 137ff
- language acquisition theory, 19, 50
- language barrier theory, 27
- language awareness, 20, 91, 96ff, 148f
 - interlingual, 99, 149
- language
 - centre, 67f
 - change, 25
 - game, 132f
 - pathology, 199
 - use, 100, 130f, 143
 - variation research, 114
- language development, 6, 9, 18, 22, 28, 50, 72, 102f, 121f, 140, 160
 - ages, 9f
 - class-based differences, 105f, 200
 - pre-stage, 9
 - retarded, 88f
 - sex-based differences, 16, 112ff
 - stages, 9f
- lateralization, 68
- learning theory, 134
- lexis, lexicon, 126, 139, 162, 172, 183
- linguistic ability, 67, 130f
- linguistic function, 46f, 65, 80, 126, 129f
 - appellative, 25, 54, 61, 98f, 127f
 - conative, 20, 129
 - dialogue, 129
 - emotive or expressive, 25, 54, 127f, 129, 145
 - ethical, 130
 - heuristic, 46
 - imaginative, 46
 - information, 46
 - instrumental, 46
 - interactional, 46
 - metalinguistic, 20, 54, 97, 129
 - monologue, 85, 129
 - personal, 46
 - phatic, 129, 145, 202
 - poetic or aesthetic, 20, 54, 129, 180
 - pragmatic or directive, 87
 - primary or elementary, 129
 - referential or cognitive, 54, 61, 127ff
 - regulatory, 46
 - secondary, 129
- linguistic relativity principle, 82, 94ff
- linguistics

Subject Index

- cognitive, 49
- mathematic, 17
- philosophic, 17
- see also* para-, paedo-, pragma-,
psycho-, sociolinguistics
- longitudinal studies, 19, 21, 53, 68, 117,
199
- macrostructure, 101, 105
- marked/unmarked, 170, 178f, 182, 193
- mediation theory, 136
- meta-cognitive, 97
- metatalia, metalalling, 143, 203
- metalinguistic, 97–105, 148, 150
- methods, 31ff
 - analytic, 32
 - deductive, 32
 - inductive, 32
 - non-analytic, 32
- microstructure, 101, 105
- MLU (mean length of utterance), 185
- modality, 42f
- model
 - aspects, 36ff
 - competence, 40f
 - function, 46f
 - holistic, 47f
 - linguistic, 31, 33
 - production, 44f
 - semantic-orientated, 41f, 44
 - syntax, 37, 40
- modes
 - distribution, 47
 - feature, 47f
 - manifestation, 47f
- monologue, 77, 82, 86
- morpheme, 47, 49, 162, 185f, 192, 194
- morphology, morphological, 12, 163,
189, 192ff, 197
- mother-child dyad, 116f, 149
- motivation, 117
- multilingual, multilingualism, 99, 130,
149, 199
- nativism, 86, 134, 137ff, 149
 - see also* rationalism
- negation, 188
- nominalization, 40
- norm, 101, 126, 131
 - courtesy, 100
 - linguistic, 126
 - social, 126
 - sociocultural, 64, 145
- one-word-sentence, 10, 76, 156–60, 184,
196, 199
 - stage, 157, 159f, 162, 196
 - utterance, 35, 158ff
- only children, 102, 104
- onomatopoeic, 121, 164
- ontogenesis, ontogenetic, 5f, 83, 170
 - linguistic, 4, 19, 52
- Organon Model, 126ff
- origo* of signal field, 202
- overgeneralization, overgeneralize, 98,
120f, 146, 169, 174–9, 193f, 196
- paedolinguistics, 1ff, 8, 16ff, 21ff, 27,
29–33, 50f, 63ff, 134, 197
- paedology, 3
- palatalization, 119, 154, 168
- paralanguage, 56f, 200
- paralinguistic, paralinguistics, 20, 25,
55–9, 61, 118, 120, 133, 144, 157,
159, 175, 196, 200
- parallelism, 195
- parataxis, paratactic, 10, 40, 191
- Parsons' theory of action, 201
- passive, 40, 186, 189ff, 197
- performance, 24, 36f, 130f, 134, 151
- personalism theory, 74f
- perception, 168ff, 189, 196
- phone, phoneme, 13, 49, 57, 164ff, 169,
172, 185
- phonetics, 5f, 12ff, 49, 154ff, 167f, 184f,
196
- phonology, phonological, 13f, 37, 40, 48,
138, 154, 163ff, 167ff, 171, 185, 196
- phylogeny, 5
- pivot, 33ff
 - class, 34
 - model, 35
 - word, 33f
 - see also* grammar, pivot
- play, 89, 111, 123ff, 153, 180, 202
- playmate, 4, 111, 149
- PLD (primary linguistic data), 115
- popular etymology, 180
- positivism, 5
- Prague school, 13ff, 17, 134
- pragmalinguistics, 17
- pragmatic, pragmatics, 19, 24f, 33, 41,
50, 62, 100, 126, 128, 148f
- primary expansion stage, 4, 52, 186
- principle
 - of economy, 193
 - of the line of least resistance, 5
 - of maximum contrast, 13, 163, 196
 - of the privilege of occurrence, 33

- of trial and error, 5, 136
 - of *Sinngebung* (giving sense), 180
 - of suffixing, 193
- proposition, 25, 42
- proxemic, 59
- psycholinguistics, 2, 17, 28, 82
 - development, 2, 29
- puberty, 68f, 146
- rationalism, rationalistic, 134, 137
- receiver, 59
 - perspective of, 155, 195
- reduction, 143f, 171
- reduction-expansion cycle, 143
- reference relation, 159
- referential function; *see* linguistic function
- register, 115–22, 125, 130, 149, 202
- reinforcement, 135f, 203
 - primary, 136
 - secondary, 136, 154
- relation, 38, 44, 49, 162
- relationship
 - emotional, 116
 - grammatical, 25, 31, 38, 203
 - semantic, 25, 44ff, 62, 162, 185
 - social, 3, 95, 116f
- relativity principle, linguistic, 82, 94ff
- reversibility, semantic, 190
- role, 48, 54, 63, 114, 125, 134, 201
- rule, 37, 40f, 63, 134, 139
 - categorical, 44
 - morphophonemic, 40
 - phrase structure, 37f, 40
 - position, 44f
 - pragmatic, 100
 - realization, 44ff, 49
 - sociocultural, 100, 130, 140
 - sub-categorization, 37
 - transformational, 40ff
- restriction of meaning, 173f, 177, 196
- Sapir-Whorf hypothesis, 73, 83, 93ff, 148
- self-correction, 20, 98f
- semantic, semantics, 17ff, 24f, 35, 37, 40–6, 48, 65, 126, 130, 134, 138, 157, 159, 162
- semantics
 - generative, 41f, 172f, 177, 179ff, 186, 189ff, 196f, 203
 - interpretive, 41
- semiotic, semiotics, 22, 47, 57, 69
- sender, 59
 - perspective, 155, 195
- sentence
 - chain, 187
 - complexity, 108, 112, 187
 - conditional, 186
 - imitation, 142, 144f
 - length (medium), 142, 185
 - structural, 16, 106f, 112
 - type, 10f, 187, 197
- sensori-motor stage, 79, 81, 144
- sign, 127f
- sign language, 187
 - see also* language of gestures
- sign system, 61, 126f, 130
- signal, 117, 127
- signal system, 130
 - primary, 135
 - secondary, 135
- situation, 52, 59ff, 64, 72, 80, 87f, 98, 108, 119, 125, 130, 152, 174ff, 201
 - communicative, 52, 108
 - dialogue, 54
 - monologue, 54
 - social, 78
 - social behavior, 63
- social classes, 105–9
- socialization, 90, 101, 113f, 126
- social reaction, 58, 156
- sociocultural aspects/frame, 3, 20, 22, 73, 101, 111, 114, 128, 148
- sociolinguistics, 3, 17
- sound, 26, 116, 152–7, 166, 168
 - acquisition, 5, 12ff, 167
 - development, 12f, 152, 165f
 - system, 14, 163f, 168
- speaker/hearer, 134, 202
 - ideal, 36f, 131
 - real, 37
- speaker synchrony, 55
- speech act, 59, 74, 128f, 132
 - theory, 16, 63, 201
- speech
 - autistic, 84
 - egocentric, 15, 27, 84, 86
 - elaborateness, 108
 - inner, 84, 86
 - pre-intellectual, 15f, 85
 - socialized, 84
- speech disorders, 14, 16
- speech handicaps, 73
- spontaneity, 7f
- S-R (stimulus-response) model, 135f
- stratum, 48f
 - lexemic, 48f
 - morphemic, 49

Subject Index

- phonemic, 49
- sememic, 48f
- status
 - socio-economic, 102f, 105, 148
 - see also* social classes
- structure
 - cognitive, 15, 49, 91, 172
 - deep, 21, 37-43, 48, 131, 139, 172
 - family, 27, 102f, 148
 - grammatic, 19, 24, 160, 190
 - interpretation, 42
 - morphology, 19, 143, 187
 - phonology, 163
 - semantic, 17, 130, 172, 190, 196
 - social, 27, 82, 96, 148
 - surface, 21, 37ff, 42, 48, 131, 139
 - syntactic, 19, 25, 143, 190
- structuralism, 13, 17, 20
- style
 - expressive, 185, 194f, 197
 - sex related, 114
- symbol, 127
- symptom, 127
- syntagmeme, 47f
- syntax, syntactic, 12, 19f, 29, 37, 39f, 48f, 134, 184, 186, 188ff, 192, 197
 - relations, 35
- system
 - enactive, 1
 - gnostemic, 49
 - iconic, 81
 - linguistic, 91
 - phonemic, 164ff
 - phonological, 14, 167ff, 171, 184
 - pragmatic, 100, 126
 - semantic, 15, 165, 173, 181, 184
 - symbolic, 1
- tagmeme, tagmemic, 47ff, 65
- tape recordings, 53f
- text linguistics, 46, 200
- thought
 - autistic, 77, 83, 86
 - concrete, 82
 - egocentric, 15, 27, 77, 80, 83
 - deaf children, 81f
 - guided or intelligent, 77
 - hypothetical, 80
 - intellectual, 78, 83
 - and language, 15, 80, 83, 85ff
 - unguided, 77
 - prespeech, 16, 83, 85
- three word stage, 39, 43, 197
- transformation, 40f
 - reduction, 38f
 - see also* grammar, transformational
- triplets, 103ff, 112
- twins, 21, 88ff, 103ff, 112, 124, 145, 181f
 - situation, 89
- two word sentence, 34f, 38f, 150, 184ff, 197
- two word stage, 33ff, 39, 43ff, 143, 150, 162
- unit
 - emic, 47, 64
 - etic, 47
 - nonverbal, 59, 61
- universals, 28, 30f, 118, 138, 167f
 - cognitive, 29
 - linguistic, 29, 138
 - research, 29ff, 139
- video and film recordings, 53f
- vocabulary, 10, 19, 27, 103, 106, 108, 112, 168, 173, 182f, 197
 - studies, 16, 19, 182f
 - tests, 106, 182f
- vocalizations, 55, 116f, 152ff, 195
- voluntarism, 135
- voluntarist, 7
- wolf-children, 70f
- word-formation, 4, 91
- word order, 44f, 91, 113, 187f
- word-sentence block, 184
- Würzburg school, 75, 86