

## Index

- Abelson, R. P., 21  
 Abric, J. C., 31  
 adaptation, reciprocal, 17  
 adaptive function of intelligence, 1, 3, 53–4, 57  
 adult socialisation, x, 30, 160  
 adults, socio-cognitive interactions with children, 12–13  
 'Agnan', 75, 148–9  
 Allen, V. L., 59  
 ambiguity, in communication, 19–20  
 Anderson, N. H., 15  
 anthropologists, 156  
 Ariès, P., ix  
 Aristotle, 31, 35  
 artificial intelligence, 53  
 assessment, strict, factor analysis, 63–4, 84  
 attitude, 28  
 attitudes, teacher, 44  
 Australia, 160  
 autonomy, child's, 63, 65; and class, 132  
 Autrement, 48
- Balacheff, N., 18  
 Baldwin, J. M., 3, 4  
 Bandura, A., 6  
 Baoulé, the, 21  
 Beaudichon, J., 18  
 Beauvois, J. L., 151  
 behaviourism, 6  
 Bell, N., 15  
 Belsky J., 123  
 Bernstein B., 24, 149  
 Berry, J. W., 21, 22  
 biases, representational, x, 12  
 biological determination of intelligence, 31, 49, 50, 62, 64; *see also* inequalities, theory of natural  
 Bologna, Italy, 39, 107, 109–12, 133  
 Bourdieu, P., 14, 22, 53, 55  
 Bovet, M., 7  
 bright child, 37, 43, 144–51  
 Bruner, J. S., 15, 24, 34  
 Burt, S. L., 32
- Cantor, N., 34
- Carugati, F., 3, 7, 9, 17, 33, 59, 61, 62  
 Cashmore, J., 17  
 Castello, M., ix  
 Cattaneo, C., 3  
 Chance, M., 3  
 Chase-Landsdale, L., 33, 125, 126  
 Château, J., ix  
 child, models of the: experimental approach, 43, 144–54; factor analysis, 73–5; and parental experience, 151–3; questionnaire, appendix 4, 176–8; and teaching identity, 137–8, 153–4  
 child: as tutor, *see* 'tutoring'; as unfamiliar element in family, 95, 102, 105  
 child's development: impact of representations of intelligence on, 16–21; as social integration, 4–5, 106; *see also* development  
 child's viewpoint, 11–12  
 Chombart de Lauwe, M. J., ix  
 Chomsky, A. N., 78  
 Claar, A., 18, 20  
 clinical disciplines, 77  
 codes, restricted and elaborated, 24  
 coercion, 61–2, 66, 67  
 'cognitive polyphasia' (Moscovici), 155  
 Cohen, G., 163  
 Cole, M., 24  
 Coll Salvador, C., 22  
 common-sense (everyday) conceptions of intelligence, 2, 14–15, 47–57  
 communication: between children and parents, 18–21; between peers, 18; nature of system of, 24, 163; problems in, 18–21; referential, 18–20  
 communicative child, 74–5, 148  
 compulsory education, 22  
 computer, 22, 25, 35; *see also* cybernetic model  
 conformity, social: intelligence as, 48, 50–1, 56, 94, 160; non-students' view, 91; parent-teachers' view, 141; parents and, 99, 101

192 *Index*

- Conroy, M., 22, 32  
 constructivism, reciprocal adult-child, 17-18  
 correct model, 6-7, 8, 16, 61, 63  
 correct model answers, 65-6, 72  
 creativity, social representation of, 147  
 cultural background, parental experience, 106-12  
 cultural deprivation, 24  
 cultural differences, and intelligence, 21-4, 51-2  
 cultural reference, and sexual difference, 116, 117-19  
 cultural relativism of intelligence, 50-2, 56-7, 156  
 curriculum, modification of, 72, 73, 84  
 cybernetic prototype of intelligence, 53, 127, 145-6, 152; *see also* logic; mathematics
- Dasen, P. R., 21, 156  
 data, treatment of, 45  
 De Paolis, P., 7, 9, 11, 61, 62  
 De Saint-Martin, M., 14, 53  
 decentring, 8, 19, 51  
 DeConchy, J. P., 26  
 defeatism, 70, 73  
 deficit model, 21-2  
 definitional relativism, model of, competing with giftedness theory, 51-3, 91  
 Delgado, M., 27  
 Deschamps, J. C., 15, 30, 33, 38, 132  
 development: existence of, and ideology of giftedness, 84-5-negation, 62, 64, 90, 141; in terms of socialisation, 4-5, 106  
 development of intelligence, 1-2, 14, 37:  
   factor analysis, 57-65: questionnaire on, 40-1, appendix 2, 169-72; *see also* maturationist model  
 developmental psychology, 1-2, 3  
 Dickson, W. P., 20  
 differences between the sexes, in intelligence, 51-2  
 differences, individual, x, 13, 31-2, 48:  
   and information shortage, 86-94; as unfamiliarity, 81-3 table 4.1;  
 differences, social and cultural, intelligence and, 14, 21-4  
 discrimination, 22, 48, 158  
 Doise, W., ix, 3, 5, 6, 7, 8, 10, 14, 22, 23, 24, 26, 30, 33, 38, 59, 62, 77, 163  
 dominant ideology, 21-2, 35, 49, 50, 52-3, 152  
 drawing ability, 150  
 dull child, 144-51  
 D'Unrug, M. C., 37  
 Durkheim, E., 3, 25, 57, 64  
 education, and professional training, 79  
 educational model, parents' dependence on ambient, 106  
 educational relativism of intelligence, 145-54  
 educational selection, 15  
 Emiliani, F., 17, 162  
 Emler, N., 9  
 empathy, 59, 68  
 Entwisle, D., 27  
 environment, ability to adapt to, *see* adaptive function of intelligence  
 error, revelatory, 8, 59, 61, 64, 83  
 evolutionism, 6  
 experience, interpretation of, 1, 27-8; *see also* parental experience  
 experiment, models of the child, 39, 43, 144-54  
 expertise, medical and psychological, 70-1, 73, 78-9, 86
- factor analysis, 45, 158: results, 46-79  
 failure at school, 15, 50, 56, 57, 126, 145-6, 154  
 family: effect of increase in female employment on, 125; mediating role between child and school, 49, 161; number of children in, 102-6; role of the, 100-2; as site of socialisation into intelligence, 54-5  
 family attitudes, intelligence and, 49, 50, 54  
 family heritage, intelligence as, 54-5, 57  
 family nucleus, structure, 106  
 Farr, R. M., 25  
 fathers: behaviour of, 17; information shortage, 121-3; role in education, 119-21  
 Feldman, R. S., 59  
 Finn, G. P. T., 68  
 Flugel, J. C., 32  
 Forgas, J. P., 21  
 Francès, R., 116  
 free associations with the word 'intelligence', 38  
 Fry, P. S., ix, 21, 35
- Galton, F., 49  
 Gartner, A., 59  
 genetic social psychology, 3-13, 157, 163  
 Geneva, Switzerland, 39, 107-9, 129-33  
 genius, 35  
 GFEN (Groupe Français d'Education Nouvelle), report, 50  
 Ghiglione, R., 37  
 gifted child, model of, 73-4, 75, 145-6:  
   parental bias towards, 151-2  
 giftedness, as biologically determined, 49, 50, 62

- giftedness, ideology of, x, 13, 32, 46:  
 extent of agreement or disagreement  
 with, 47–50, 56; and intensity of  
 parental experience, 104–5; no  
 alternative model, 159; and  
 parent–teachers, 142; and parental  
 experience, 98–9, 101; and parental  
 identity, 112; and protection of  
 personal identity, 160–2; rejection by  
 teachers, 154; and shortage of  
 information, 81–94; socio-cognitive  
 roots of, 157–9; and testing, 157
- Gilly, M., 36, 154, 161
- Gilstrap, B., 123
- Girod, R., 31
- Glachan, M., 9
- Gödel theorem, socialised, 33
- Goodnow, J., ix, 17, 27, 30, 32, 123, 133,  
 156, 160, 162
- Grawitz, M., 37
- Grisez, J., 38, 154
- Gritti, J., 26
- halo effect, 15
- Haroche, C., 22
- Hayduk, L. A., 27
- Helvetius, C. A., 31
- Herzlich, C., 28, 29
- Hess, R., 22, 27, 32, 133
- heteronomy: as obstacle to intellectual  
 development, 61–2; parents and, 99,  
 105
- Hewstone, M., 132
- homologies, 53
- humanism, 78
- Humphrey, N. K., 3
- identities: matrix of, 34; and  
 representations of intelligence, 95–143
- identity: effect of judgements about  
 intelligence on child's, 15; self-defence  
 of mothers', 126–8; teacher, 133–8
- identity conflict: and modification of  
 representations, 161–2; in  
 parent–teachers, 140, 142–3;  
 unfamiliarity and, 30–1, 33
- identity function of representations,  
 159–62
- idiots, 35
- inequalities, theory of natural, 91, 100,  
 154, 158; factor analysis, 47–50; *see*  
*also* giftedness, ideology of
- informal social communication, as source  
 of information, 79
- information: 'ambiguous', 19; and  
 intensity of parental experience,  
 102–4, 106; sources of, 27, 37, 44,  
 78–9; questionnaire, appendix 7, 181
- information shortage, x, 27, 29, 86–94,  
 158; non-students', 90–4; parents',  
 97–8; students', 87–90
- 'informational anorexia', 28
- Inhelder, B., 7, 22
- inheritors, the, 75, 149–50, 153
- institutional definitions of intelligence,  
 154, 161; by teachers, 133,  
 137–8
- intelligence: conclusions of representations  
 study, 155–64; critical attitude to  
 notion of, 51–3; the dimensions of,  
 results of factor analysis, 46–79;  
 general aspects of, factor analysis,  
 47–57; issues in study of social  
 representations, ix–x, 11–24; logical  
 and social, 156; plurality of  
 meanings, ix, 1, 14–16, 155–7;  
 prototypes of, 34–6; questionnaire on,  
 40–1, appendix 1, 165–8; themes,  
 41; social construction of, 5–9; and  
 social and cultural differences, 21–4;  
 as social representation, 25–36; *see*  
*also* representations of intelligence; as  
 a social value of prime importance,  
 13, 15; *see also* development of  
 intelligence
- intelligence profiles, 150–1
- intelligence quotient (IQ), 1, 34
- intelligence tests, 15, 21, 22–3, 31, 52
- interdependence, structuring, 6
- International Journal of Psychology*, 21
- interview method, 37–8
- IQ, *see* intelligence quotient
- Italians, *see* Bologna
- Japan, 22, 160
- Jaspers, J. M. F., 132
- Jodelet, D., 26, 28
- Kaiser, C., 33
- Kelley, H. H., 30
- Kohler, M. C., 59
- Kohn, M. L., 132, 163
- Kuhn, D., 6
- Laborde, C., 18
- Labov, W., 24
- laissez-faire* attitude, 70, 73
- Lalljee, M., 132
- Lamb, M. E., 33, 121, 125, 126
- Langer, J., 2
- language ability, 75, 76, 85, 150, 152
- language development, biological  
 conception of, 78
- Larsen, R. R., 3
- Lautrey, J., 24
- Le Disert, D., 147

194 *Index*

- learning: debate on effectiveness of  
 different methods of, 16–18;  
 democratisation of, 22; teaching and,  
 31
- Lefebvre-Pinard, M., 2
- Lemaine, G., 21, 31, 49
- Lévy, M., 6, 8, 9
- Leyens, J. P., 151
- logic, 35, 49, 57, 58, 75, 94, 151
- Lorenzi-Cioldi, F., 15, 132
- Louis-Guérin, C., 95
- Luria, A. K., 3
- McGillicuddy-De Lisi, A. V., 17
- McIntyre, D., 133
- MacKenzie, B., 21
- 'male autonomy', 113–17
- marginalising the child, 69, 70
- Matalon, B., 21, 31, 37, 49
- mathematics, 35, 49, 57, 58, 75, 94, 150,  
 151
- maturationist model of intelligence, 125–6,  
 128, 141, 142
- Mauss, 3, 57, 64
- Mead, G. H., 3
- media, mass, 60–1, 64, 79
- mediating function, of parents and  
 teachers, 49, 161
- mediocre child, 150–1
- men, *see* sexual differentiation, and  
 representations of intelligence
- Meyer, G., 15, 132
- Miller, S. A., 27
- Monteil, J. M., 9
- Morrison, A., 133
- Mortimer, J. T., 30
- Moscovici, Serge, ix, 3, 4, 33, 155; model  
 of social representations, x, 25–8, 30,  
 33, 80, 138, 158, 162, 163
- mothers: behaviour of, 17; full-time, and  
 representations of intelligence, 123–8;  
 role in education, 119–23; working,  
 33, 123–8
- motivational diagnosis, 69, 73
- Mugny, G., ix, 4, 5, 6, 7, 8, 9, 10, 11, 22,  
 23, 24, 28, 29, 30, 33, 38, 40, 59,  
 61, 62
- multivariate analysis, 45
- nationality, and parental experience, 107–12
- nature–nurture argument, 13; *see also*  
 development; inequalities, theory of  
 natural
- Neisser, U., 35
- non-parents, 39, 96–102
- non-teachers: sexual differentiation, and  
 ideology of giftedness, 117–19; Swiss,  
 129–31
- occupation, and representations of  
 intelligence, 39, 129–43
- occupational category, and representations  
 of intelligence, 39, 129–33
- orthodoxy, 26
- Osgood, C. E., 43
- Owen, M. T., 33, 125, 126
- Palmonari, A., 5
- Papastamou, S., 33
- parent–child interaction, protocols of,  
 19–21
- parental education, 21, 163
- parental experience, x, 79, 85–6, 95–102:  
 and cultural background, 106–12;  
 intensity of, 102–6; and models of  
 the child, 151–3; of teachers, 138–43
- parental identity: and representations of  
 intelligence, 95–112, 160; sexual  
 differentiation, and ideology of  
 giftedness, 119–23
- parental psychology, 32
- parents, x, 32, 39, 97–102, 159: impact  
 on children, 17–18; inferential  
 pressures on, 29
- parents' magazines, 38
- parents' occupation, 54
- Passeron, J. C., 14, 22, 55
- Pêcheux, M., 22
- peer-group interactions, 9–10
- Pérez, J. A., 28, 33
- permissiveness, 59, 64
- Perrenoud, P., 129
- Perret, J. F., 136
- Perret-Clermont, A. N., 5, 15, 18, 23
- personality, intelligence and, 55–6, 57
- phrenology, 49: 'social', 21
- Piaget, J., ix, 1, 3, 3–4, 4, 5, 14, 16, 22,  
 25, 27, 53, 58, 78, 99, 156
- Piagetian tests, 18, 21, 34
- Piatelli-Palmarini, M., 78
- Plato, 35
- Poeschl, G., 38
- Ponzo, E., 27
- pre-constructs, 12, 30
- pressures on the child, 65–7, 72
- problem-solving ability, 14
- professional training, and parental  
 experience, 107, 109–12
- professionalisation of teachers, 134,  
 137–8; and image of the child, 153–4
- prototype, 34
- prototypes of intelligence, 34–6, 159
- psychological atmosphere, improving the,  
 68–9, 73
- psychology, 14, 25, 151
- psychometrics, 21–2, 52–3, 157
- punishment, 64, 69

- questioning, 8  
 questionnaires, 37, 38–9, 165–81  
   appendixes 1–7: structure of the, 40–5
- racism, genetic differences between, 21  
 rationality, 155  
 reductionism, 164  
 reformulation of problems, 67–8, 73  
 registers of response, 11  
 Reid, L., 2  
 Reiner, A., 30  
 relational regulations, 9–10; factor analysis, 60–2, 64  
 repetition, as teaching method, 65, 71–2, 73  
 reports, school, 29, 63–4  
 representation: components of, 27–8; construction of, x, 159–62; socio-cognitive functions of, 28–9; transition to action, 162–4; *see also* social representations  
 representations of intelligence: evolution of, 30–3; modifications of, 161; occupation and, 129–43; organising principles, 155–64; parental identity and, 95–112; sexual differentiation and, 113–28; socio-psychological origins, 80–94  
 research methodology, 37–45  
 Richards, D. D., 35  
 Riessman, F., 59  
 Roberts, G. C., 30  
 Robinson, E., 18, 19, 20  
 Robinson, P., 19, 20  
 Rosch, E., 35  
 Rosenthal, T. L., 6  
 Rostand, J., 21  
 Rouquette, M. L., 25, 26, 155  
 Rousseau, J.-J., 31  
 Rovine, M., 123
- Salvat, H., ix  
 sample, 39–40  
*savoir-faire*, 51  
 school: differentiating function of the, 55, 57; as field of representation for parents and teachers, 28; parents attitude to, 99–100; and prototypes of intelligence, 34–5, 152; and socialisation, 58, 99–100, 105  
 school subjects: and parent–teachers, 142; questionnaire on, 42; appendix 5, 179; relative importance in assessing intelligence, 37, 75–6, 85  
 Schubauer-Leoni, M. L., 18  
 scientific subjects: important in development of intelligence, 37, 53, 76–8; and parent–teachers, 142; questionnaire, 42, appendix 6, 180  
 scientific thought, 25, 53  
 self-presentation, 51  
 semantic differentiator, 43  
 Serpell, R., 156  
 Service de la Recherche Sociologique de Genève, 129  
 severity, 69, 73  
 sexual differentiation, and representations of intelligence, 113–28  
 sexual identity, stereotyping of, 113–17  
 Shapiro, D., 15  
 Shipstone, K., 32  
 Siegler, R. S., 35  
 Sigel, I., 32, 160  
 Silbereisen, R. K., 18, 20  
 Simmons, R. G., 30  
 Sinclair, H., 7  
 Smedslund, J., 7  
 sociable child, 74, 75, 146  
 ‘social’, hypothesis of the, 3–4  
 social background, and family differences, 24  
 social class, and representations of intelligence, 129–33  
 social class differences, in intelligence, 21–4, 52  
 social competence, 14  
 social construction of intelligence, 5–9  
 ‘social intelligence’, 21–2, 85  
 social learning theory, 5, 6  
 social marking, 10–11  
 social psychology, 13, 77  
 social relativism of intelligence, 50–1, 56; *see also* conformity, social  
 social representation, intelligence as, 25–36  
 social representations: the consensual universe of, 25–6; defined, 26; dynamics of, 154; identity function of, 159–62; lack of alternative models to giftedness, 86–94; modes of organisation and operation, 27–36; *see also* intelligence  
 social rules, learning, 57–8  
 social sciences, 77  
 ‘social thought’, 25–6, 155, 157  
 socialisation, 5, 50–1, 84, 106; adult, x, 30, 160; impact of type on representations of intelligence, 39; *see also* conformity, social  
 socialist societies, ix  
 socio-cognitive conflict, 7–9; in child–adult representations, 12; and differences in individual intelligence, 23–4; factor analysis, 58–9, 64; in learning process, 16–18; ways of resolving, 9–11

196 *Index*

- socio-psychological approach, to cognitive development, 4–5, 164
- socio-psychological origins, of representations of intelligence, 80–94
- sociological determinism, 31
- sociology, 14, 25
- specialists, 70–1, 73, 78–9, 86
- Staats, A. W., 6
- stereotyping, of sexual identity, 113–17
- Sternberg, R. J., ix, 1, 14, 15, 34, 156, 157
- Stoetzel, J., 163
- Stolz, L. M., 17
- strategies of intervention: adult, 12; parental, 19–21
- Strauss, S., 2
- students, sexual differentiation, and ideology of giftedness, 113–17
- subjectivity, risks of, 37, 38
- Suci, G. J., 43
- suggestibility, risks of, 37, 38
- Switzerland, class in, 129; *see also* Geneva
- symbolic interactionism, 3
- Tagiuri, R., 15
- Tajfel, H., 34
- Tannenbaum, P. H., 43
- teacher identity, 133–8, 160: models of the child and, 153–4
- teacher training, 76–8
- teachers, 32, 39, 133–8, 153–4, 159: competence of, 65, 84–5, 128–9-factor analysis, 62–3; and failure, 56, 57, 91–3, 140, 142; future, 39, 133–8, 153–4; inferential pressures on, 29; mismatch between ideologies and institutional goals, 36, 134, 137–8; parental experience of, 33, 134–43; practice versus theory problem, 27; representations of intelligence, 133–8; without children, 134–8
- teaching, and learning, 31, 77
- teaching methods, 77, 84, 141: for children in difficulty, 37-factor analysis, 65–73; questionnaire, 43–4, appendix 3, 173–5
- television, effect of, 60–1
- Terman, L. M., 1
- Thommen, B., 154
- Thorndike, E. L., 1, 35
- Thuillier, P., 49
- Tort, M., 22
- 'tutoring', 59, 71, 73, 84, 141
- typologies of children, different social and psychological, 151
- unfamiliarity: and conflicts of identity, 30–1, 33, 138, 159; familiarising of, 80–6; function of social representation in coping with, 28–9; in parental experience, 95, 101, 102, 106
- United States of America, 22, 160
- Valsiner, J., 157
- value-systems, divergent, 22–4
- values, dominant, 164
- Vandenplas-Holper, C., 18
- verbal ability, 14; *see also* language ability
- Verolié, M., ix
- Von Cranach, M., 162
- Vygotsky, L. S., 3
- wait-and-see approach, 70, 73
- Wallon, H., 3
- Walper, S., 19
- Wechsler, D., 20
- well-behaved child, 74, 75, 146–7
- western society, 50, 164
- White, N., 27
- Whiting, B. B., 126
- Wober, M., 156
- women: increase in employment, and changes in family, 125; *see also* sexual differentiation of intelligence; working mothers, and representations of intelligence, 123–8
- Zani, B., 162
- Zavalloni, M., 95
- Zimmerman, B. J., 6