Glo	ossary of Phonetic Symbols	XIV 1
		4
1.	Attachment, Interaction and Communitive Behaviour	4
	The Neonatal Period	5
	Mother to Child	5
	Child to Mother	6
	Early Opportunities for Interaction	8
	The Infant's Recognition of the Face	9
	The Smile	11
	Patterns of Interaction	12
	Mutual Gaze	12
	Modulation of Interaction	13
	Facial Expressions and Their Part in Interaction	13
	Interaction and Emotional Development	14
	The Elaboration of a Communication System	16
	Awareness of Strangers	16
	Separation and the Objects of Attachement	17
	Communitive Behaviour	18
	Interrelation in Activity	19
2	The Emergence of the Objective World. Sensory Processing and	
۷.	Motor Activity	22
	Sensory and Perceptual Development	24
	Vision	24
	Vision	25
	Visual Behaviour	25
	Visual Benaviour	25
	Hearing	28
	Frequency of Sound Stimulus	29
	Duration of Sound	47

	riearing benaviour			29
	The Perception of Speech and Speechlike Sounds			30
	Motor Development			32
	Control of the Position and Movement of the Head			32
	Touch, Reach and Grasp			34
	The Use of the Hands			34
2	The Emergence of the Objective World. The			
٥.	Sensible	world	Mauc	37
	The Object			37
	Space			37
	Cause and Effect	• •		42
	The Nature of the Child's Environment			45
				46
	Imitation			49
				47
4.	Vocal Behaviour and the Origins of Speech			52
	The Cry			52
	Early Vocal Behaviour			54
	Terminology			54
	The Recorded Material			55
	Chronological Sections of Vocal Behaviour			56
5	The Early Development of Language			118
٠.				
	The Manines of Words	• •		120
	The Meanings of Words		• • •	121
	The Holophrase			123
	Speech Acts			124
	The Nature and Purposes of Language Interaction with Mother			125
	The Child's Understanding of the Spoken Word			126
	Two and Three Word Utterances			128
6.	Deficit and Delay in the Development of Spoken Lar			136
	Prevalence of Disorder			136
	The Nature of Society's Response			138
	The Emotional Effect of Impaired Communication.			139
	The Detection of Delay			140
	The "Cause" of Delay and Disorder			140
	The Antecedents of Disorder			143
	The Nature of Developmental Delay			144
	The Pattern and Extent of the Disability			144
	The Child's Speech and Language			144
	Assessment			145
	The Approach to the Child			146
	The Child's Unterstanding of Speech			146
	Method of Scaling Disability			149

XIII

7.	The Antecedents of Disorder. Reception and Compre	hen	sio	n			151
	Hearing						152
	The Nature of the Handicap						153
	Hearing Disorder in the Absence of Loss						155
	Impaired Auditory Processing and Speech Perception						158
	Sequential Auditory Memory						158
	Auditory and Sequential Memory in the Deaf						159
	Cognitive Function						159
	The Relation Between "Intelligence" and Language A	\ttai	nm	ent			160
	Mental Handicap and Intelligence						161
	Language Characteristics in the Mentally Handicappe	ed.					162
	Play and Cognitive Deficit						163
	The Importance of Pretend Play						165
	Elements and Classes: Categorization						165
	Directed Attention	Ī					166
	Cognitive Dysfunction and Verbal Comprehension.	·					166
	Case Report	•	•				167
							10.
8.	The Antecedents of Disorder. Voice, Speech and Lan						170
	Voice				•		170
	Case Reports						170
	Speech	•			•		176
	The Tongue				•		177
	Neuro-Motor Dysfunction			•			178
	Spoken Language						180
	Case Report						180
	Phonological Disorder						181
							183
	Case Report						185
	Familial and Hereditable Factors						186
0	The Antecedents of Disorder. Communication						188
7.							188
	Case Report	•	•	•	•	•	189
	Parents						404
		•					
	Patterns of Disordered Interaction	•	•	•	٠	•	192
	Case Report	•	٠	٠	•	٠	195
	Mutism of Emotional Origin	•	•	•	•	•	
	Case Report	•	٠	•	٠	٠	196
	Hearing Loss		٠	٠	٠	٠	197
	Mental Handicap		•	•	٠	٠	198
	The Nature of Language Production		•	٠	٠	٠	198
R	eferences						201
Sı	thiert Index						207