Contents

Acknowledgements 9					
l .	Introduction				
2.	"sit	val-directed action as a structuring principle for the concept of tuation"	5		
	2.1	The concepts of "situation" and "context" in Systemic Linguistics	8		
	2.2	Relevant developments in the investigation of goal-directed			
		action	9		
		2.2.1 Goal-directed action as a field of research	9		
		2.2.2 Some theoretical frameworks	14		
	2.3	A "Systemic" framework for the analysis of goal-directed action	22		
		2.3.1 Introductory remarks	22		
		2.3.2 Levels	23		
		2.3.3 Ranks	24		
		2.3.4 Rank shift and re-entry	29		
		2.3.5 The place of language in the structure of activity	31		
		2.3.6 The concept of "Situation"	35		
		2.3.7 Some remarks on formalization	41		
		2.3.8 Some core notions of Systemic Functional Grammar	44		
	2.4	Sample analyses	47		
		2.4.1 The analysis of a story	48		
		2.4.2 The analysis of a complex internal action	61		
		2.4.3 The analysis of children's activity in a play session	71		
		2.4.4 Elaborating the framework: An investigation of the			
		notion "part of" in the theory of activity	80		
		2.4.5 The interface between general actions and linguistic			
		actions: a Systemic Linguistics based model of text			
		production	84		
		Predictions of the theory of activity for some aspects of			
		semantic complexity in child language:			
		A preliminary discussion	102		
		Some frameworks for knowledge representation in artificial			
		intelligence and their implications for the present study	104		
		2.6.1 The focus of this section	104		
		2.6.2 The place of linguistics in artificial intelligence	105		

	2.6.3 The place of knowledge representation in artificial	
	intelligence	100
	2.6.4 Discussion of an example	107
	2.6.5 Frameworks for knowledge representation	112
	2.6.6 Implications of concepts from artificial intelligence for	•
	linguistic semantics	131
	2.6.7 Knowledge representation within the present approach	135
3.	Some variables in semantic complexity in child language seen as	
٠.	goal-directed action	
	3.1 Introduction	141
		141
	3.2 Analyzing a children's play session as goal-directed action 3.2.1 Methodological issues	143
	3.2.2 The analysis	143
		149
	3.3 Context dependency	155
	3.3.1 On the notion of "context dependency"	156
	3.3.2 Hypotheses	156
	3.3.3 Coding Conventions	157
	3.3.4 Results	161
	3.3.5 Discussion of results	161
	3.4 Transitivity	166
	3.4.1 On the notion of "Transitivity"	166
	3.4.2 Hypotheses	168
	3.4.3 Networks and selection expressions	169
	3.4.4 The semantic analysis of the data — coding conventions	-0,
	and problems	184
	3.4.5 Results	191
	3.4.6 Discussion	191
	3.5 Non-realized themes in Planning and Execution phases	194
	3.6 Mean length of utterance	197
	3.7 Circumstances	198
	3.7.1 Hypotheses	198
	3.7.2 Theoretical problems	
	3.7.3 Results	198
	3.7.4 Discussion	202
	3.8 Time	202
	3.8.1 Introduction	205
		205
	4 X 4 1 ima Cm = art - 4	207
	284 Company to a second to a	213
	1 X 3 Hypothogos	214
	5.0.5 Hypotheses	215

Contents	vii	
3.8.6 Results	216	
3.8.7 Discussion	217	
3.9 Logical connection	221	
3.10 Aktionsarten	225	
3.10.1 Introduction	225	
3.10.2 A preliminary system network for Aktionsart	232	
3.10.3 Operationalization of features for Aktionsarten	232	
3.10.4 Hypotheses	235	
3.10.5 Results and discussion	235	
4. Conclusion	237	
Appendix 1		
Appendix 2		
Bibliography		
Index		