CONTENTS

Preface ix

1	DEFINING LANGUAGE COMPREHENSION: SOME	
<u> </u>	SPECULATIONS, John B. Carroll	1
	The Problem of Defining Language Comprehension 5	
	The Testing of Comprehension 14	
	Summary 24	
	Conference Discussion 24	
	References 26	
2	THE CONCEPT OF COMPREHENSION: FROM SEMANTICS	
	TO SOFTWARE, Michael Scriven	31
	Introduction 31	٠,
	Conference Discussion 37	
	References 39	
	neterences 39	
3	DISCOURSE STRUCTURE AND HUMAN KNOWLEDGE,	
	Wallace L. Chafe	41
	Semantic Resources 42	
	Variability 46	
	Tense 48	
	Foregrounding 50	
	Definiteness 56	
	Conference Discussion 68	
	References 69	

•	4	SOME SEMANTIC STRUCTURES FOR REPRESENTING	
		ENGLISH MEANINGS, Robert F. Simmons	
		Introduction 71	
		A Semantic Structure for Discourse 73	
		Lexical Structure 83	
		Discussion and Conclusions 94	
		Conference Discussion 95	
		References 96	
	5	PERCEPTIONS, THOUGHT, AND LANGUAGE,	
	•	Thomas G. Bever	99
		Introduction and Summary 99	
	*	The Structure of Speech Perception 104	
	•	Codability and Thought 110	
		References 111	
	_	MENTAL OPERATIONS IN LANGUAGE COMPREHENCION	
	6	MENTAL OPERATIONS IN LANGUAGE COMPREHENSION,	113
	_	Tom Trabasso	110
	D	······································	
		Response Change Model 116	
		An Optional Recoding Model 121	
		To What Extent does the Encoding Affect Processing? 131	
		Conference Discussion 135	
		References 136	
	7	LANGUAGE USE FOR COMMUNICATING, INSTRUCTING,	400
		AND THINKING, David R. Olson	139
		Sentences as Descriptions: Mapping Sentences onto	
		Perception 139	
		Sentences as Propositions: Mapping Sentences onto	
		Sentences 156	
		Conference Discussion 164	
		References 165	
	8	LANGUAGE USERS AS FALLIBLE INFORMATION-	
		PROCESSORS: IMPLICATIONS FOR MEASURING AND	
		MODELING COMPREHENSION, Roy O. Freedle	169
		Introduction 169	
		Olson's Cognitive Theory of Reference 170	
		Experimental Studies 174	
		Factors in Comprehension 182	
		The Anthropologist's Contribution to Comprehension 203	
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		Appendix A 205	
		Conference Discussion 207	
		References 209	

9	EFFECTS OF TASK-INDUCED COGNITIVE OPERATIONS ON COMPREHENSION AND MEMORY PROCESSES,	
	Carl H. Frederiksen	211
	An Outline of a Model for Comprehension and	
2	Memory Processes 213	
	The Measurement of Comprehension and Memory	
	Processes 218	
	Effects of Task Induced Cognitive Operations on Processes	
	in Comprehension and Memory 224	
	Some Selected Results 228	
	Concluding Remarks 232	
	Conference Discussion 243	
	References 244	
	Holololog 277	
10	MEMORY STRUCTURE AND THE RECALL OF DISCOURSE,	
	Edward J. Crothers	247
	Introduction 247	241
	Method 248	
	Linguistic Analysis of Nebulae Paragraph 249	
	Results and Discussion 260	
	Structure and Recall: Empirical Correlation 273	
	Implications and Conclusions 276	
	Conference Discussion 277	
	References 278	
	Appendix I 279	
	Appendix II 280	
11	LEARNING BY LISTENING, Thomas G. Sticht	285
	Introduction 285	
	Some Relationships of Reading and Listening 286	
	Experimental Studies of Learning by Listening to Rate	
	Controlled Recordings 299	
	Conference Discussion 311	
	References 312	
12	STRUCTURAL TEXT FEATURES AND THE CONTROL OF	
12	PROCESSES IN LEARNING FROM WRITTEN MATERIALS,	
	Ernst Z. Rothkopf	315
	•	310
	Introduction 315	
	The Concept of Mathemagenic Activities 322	
	Experimental Evidence for the Mathemagenic Concept 324	
	Conclusion 330	
	Conference Discussion 322	
	References 334	

13 MAINTENANCE AND CONTROL IN THE ACQUISITION	
OF KNOWLEDGE FROM WRITTEN MATERIALS,	
Lawrence T. Frase	337
Some Preliminary Studies 335	
Going Beyond the Information in Text 340	
Studies with Adults 242	
Studies with Children 348	
Summary 354	
Conference Discussion 355	
References 356	
14 LANGUAGE COMPREHENSION AND THE ACQUISITION	
OF KNOWLEDGE: REFLECTIONS, Roy O. Freedle and	
↑ John B. Carroll	361
Language Competence and Language Understanding 361	
Some Covert Semantic Assumptions and Presuppositions in	
Language Discourse 362	
Information-Processing Approaches to Discourse 365	
The Maintenance of Comprehension Behavior 368	
Conclusion 369	
References 369	
Author Index	369
Subject Index	375