

Introduction to the

# Theory of Grammar

Current  
Studies in  
Linguistics

Henk van Riemsdijk and  
Edwin Williams

**Preface**    xiii

**Chapter 1**  
**INTRODUCTION**    1

1.1 The Assumptions and Goals of Grammatical Theorizing	1
1.2 What Is a Grammar?	3
1.3 <i>Syntactic Structures</i> and <i>Aspects of the Theory of Syntax</i>	5
1.4 Evaluation and "Expressive Power"	12
1.5 Bibliographical Comments	14

**Part I**

---

**TOWARD A THEORY OF RULES**    17

**Chapter 2**  
**TOWARD A THEORY OF**  
**CONDITIONS ON**  
**TRANSFORMATIONS**    19

2.1 The A-over-A Principle	19
2.2 A-over-A Phenomena	20
2.3 The Inadequacy of the A-over-A Principle	23
2.4 The Complex NP Constraint	25
2.5 The Sentential Subject Constraint	26
2.6 The Coordinate Structure Constraint	27

	2.7 Pied Piping, the Left Branch Condition, and Upward Boundedness	28
	2.8 The Domain of Transformations	30
	2.9 Bibliographical Comments	32
<b>Chapter 3</b>		
<b>THE ROLE OF THE PHRASE STRUCTURE COMPONENT</b>		34
	3.1 Introductory Remarks	34
	3.2 The Status of Nominalizations	36
	3.3 The $\bar{X}$ -Theory of Phrase Structure Rules	39
	3.4 A Modular Approach: NP-Preposing and NP-Postposing	43
	3.5 Structure Preservation	46
	3.6 Local and Root Transformations	50
	3.7 Concluding Remarks	56
	3.8 Bibliographical Comments	56
<b>Chapter 4</b>		
<b>SUBJACENCY</b>		58
	4.1 Successive Cyclicity and the Strict Cycle Condition	59
	4.2 More Properties of <i>Wh</i> -Movement	64
	4.3 The Scope of Subjacency	68
	4.4 More Bounding Nodes	71
	4.5 Summary	77
	4.6 Bibliographical Comments	77
<b>Chapter 5</b>		
<b>THE PLACE OF SEMANTICS IN THE GRAMMAR</b>		80
	5.1 The D-Structure Hypothesis vs. the S-Structure Hypothesis	80
	5.2 Bibliographical Comments	87

## Part II

## TOWARD A THEORY OF PRINCIPLES 89

<b>Chapter 6</b>		6.1 <i>Wh</i> -Relatives	93
<b>TOWARD "MOVE <i>Wh</i>"</b>	91	6.2 Extending the Rule's Coverage	96
		6.3 More "Move <i>Wh</i> " Constructions: The Cleft Construction, Comparative Deletion, and Topicalization	101
		6.4 Conclusion	107
		6.5 Bibliographical Comments	108
<b>Chapter 7</b>		7.1 The Empirical Range of "Move NP"	111
<b>TOWARD "MOVE NP"</b>	110	7.2 Blocking Overgeneration of "Move NP": The Specified Subject Condition and the Tensed-S Condition	116
		7.3 Which Constraints Apply to Which Rules?	124
		7.4 Concluding Remarks: "Move $\alpha$ "	126
		7.5 Bibliographical Comments	127
<b>Chapter 8</b>		8.1 The $\theta$ -Criterion	129
<b>CONTROL</b>	129	8.2 The Mechanism of Control	132
		8.3 Structural Conditions on PRO Construal	134
		8.4 The Distribution of PRO	134
		8.5 Obligatory and Optional Control	136
		8.6 Bibliographical Comments	138

Contents		x
<b>Chapter 9</b>		
<b>TRACE THEORY</b>	139	
		9.1 The Concept of Trace 139
		9.2 A Preliminary Classification of Empty Elements 145
		9.3 Bibliographical Comments 154
<b>Chapter 10</b>		
<b>THE ORGANIZATION OF THE MODEL OF GRAMMAR</b>	157	
		10.1 Filters 158
		10.2 The Model of Grammar 170
		10.3 Bibliographical Comments 177
<b>Part III</b>		
<b>LOGICAL FORM</b>	179	
<b>Chapter 11</b>		
<b>LOGICAL FORM</b>	181	
		11.1 The Empirical Nature of Logical Form 181
		11.2 General Features of the Theory of Logical Form 184
		11.3 Rules of Logical Form 188
		11.4 Bibliographical Comments 192
<b>Chapter 12</b>		
<b>BINDING</b>	193	
		12.1 Disjoint Reference 194
		12.2 The Interpretation of Indices 198
		12.3 Control, Bound Anaphora, and NP-Trace 200
		12.4 Are There Binding Rules? 201
		12.5 PRO 203
		12.6 Summary and Conclusions 204
		12.7 Bibliographical Comments 206
<b>Chapter 13</b>		
<b>QUANTIFICATION</b>	207	
		13.1 The Interpretation of <i>Wh</i> -Structures 208
		13.2 The Variable and Strong Crossover 209
		13.3 Reconstruction 211

	13.4 Unmoved <i>Wh</i> -Words	213
	13.5 <i>Wh</i> -Interpretation and Weak Crossover	215
	13.6 Quantifier Interpretation	217
	13.7 Summary	220
	13.8 Bibliographical Comments	220
<b>Part IV</b>		
<b>THE MODULES</b>		223
<b>Chapter 14</b>	<b>14.1 Case-Marking</b>	227
<b>CASE THEORY</b>	<b>14.2 Exceptional Case-Marking</b>	234
225	<b>14.3 Case, PRO, and <i>Wh</i>-Trace</b>	237
	<b>14.4 Bibliographical Comments</b>	238
<b>Chapter 15</b>	<b>15.1 Argument Structure</b>	240
<b><math>\theta</math>-THEORY</b>	<b>15.2 The <math>\theta</math>-Criterion</b>	242
240	<b>15.3 The Projection Principle</b>	251
	<b>15.4 Bibliographical Comments</b>	253
<b>Chapter 16</b>	<b>16.1 A Modular Classification of NP</b>	255
<b>NP-TYPES AND</b>	<b>16.2 Parasitic Gaps</b>	262
<b>NP-POSITIONS</b>	<b>16.3 Bibliographical Comments</b>	268
255		
<b>Chapter 17</b>	<b>17.1 A-Binding vs. <math>\bar{A}</math>-Binding</b>	270
<b>THE BINDING THEORY</b>	<b>17.2 The Notion of Governing Category</b>	271
270	<b>17.3 Accessible SUBJECTS</b>	273
	<b>17.4 A New Binding Theory</b>	277
	<b>17.5 Pied Piping, Reconstruction, and Point of Application</b>	279

	17.6 Concluding Remarks	282
	17.7 Bibliographical Comments	282
<b>Chapter 18</b>	18.1 A Paradox	285
<b>THE EMPTY CATEGORY</b>	18.2 From RES(NIC) to ECP	289
<b>PRINCIPLE 284</b>	18.3 The Pro-Drop Parameter	298
	18.4 ECP and Logical Form	303
	18.5 Concluding Remarks	309
	18.6 Bibliographical Comments	309
<hr/>		
<b>EPILOGUE</b>	313	
<b>Chapter 19</b>	19.1 Generalized Binding	316
<b>CURRENT DEVELOPMENTS</b>	19.2 Phrase Structure	319
<b>315</b>	19.3 Small Clauses	323
	19.4 Tree Geometry	327
	19.5 NP-Structure	337
	19.6 Conclusion	342
<b>Bibliography</b>	343	
<b>Name Index</b>	357	
<b>Subject Index</b>	359	