

# Contents

<i>List of figures</i>	<i>page</i> xii
<i>List of tables</i>	xiii
<i>Preface to the second edition</i>	xv
<i>Preface to the first edition</i>	xvii
<i>List of abbreviations</i>	xix
<i>List of symbols</i>	xxiv
<b>1 Introduction</b>	<b>1</b>
1.1 What is typology?	1
1.2 Typology, universals and generative grammar	4
1.3 Cross-linguistic comparison	6
1.4 The problem of cross-linguistic comparability	13
1.5 Language sampling for cross-linguistic research	19
1.6 Data sources	28
<b>2 Typological classification</b>	<b>31</b>
2.1 A cross-linguistically valid description of morphosyntactic structures	31
2.1.1 Simple strategies	32
2.1.2 Relational strategies	33
2.1.3 Indexical strategies	34
2.1.4 Classifiers: indexical or relational?	37
2.1.5 More grammaticalized strategies	38
2.1.6 Summary	40
2.2 What is being classified?	42
2.3 Morphological typology	45
<b>3 Implicational universals and competing motivations</b>	<b>49</b>
3.1 Restrictions on possible language types	49
3.2 Unrestricted and implicational universals	52
3.3 Competing motivations	59
3.4 Deeper explanations for word order and affix order universals	69
3.5 Typology, universals and generative grammar revisited	80
3.6 Conclusion	86

<b>4</b>	<b>Grammatical categories: typological markedness, economy and iconicity</b>	<b>87</b>
4.1	Typological markedness	87
4.1.1	Structural coding	91
4.1.2	Behavioral potential	95
4.1.3	Neutral value: not a criterion for typological markedness	100
4.2	Economy and iconicity	101
4.2.1	Structural coding, economy and syntagmatic isomorphism	102
4.2.2	Economy, paradigmatic isomorphism and polysemy	104
4.3	Frequency and deeper explanations for economy and iconicity	110
4.4	Typological asymmetries in word order and phonology	117
4.5	Conclusion	120
<b>5</b>	<b>Grammatical hierarchies and the semantic map model</b>	<b>122</b>
5.1	Grammatical hierarchies and implicational universals	122
5.2	The animacy and definiteness hierarchies	128
5.3	A deeper explanation for hierarchies and categories: the semantic map model	133
5.4	Conceptual spaces, structural coding and behavioral potential	140
5.5	The grammatical relations hierarchies	142
5.5.1	The external definition of grammatical relations	142
5.5.2	Subject and object, ergative and absolutive	144
5.5.3	Objects: direct and indirect, primary and secondary	152
5.5.4	The conceptual space for grammatical relations	154
5.6	Conclusion	155
	Appendix: typological markedness patterns in grammatical categories	156
<b>6</b>	<b>Prototypes and the interaction of typological patterns</b>	<b>158</b>
6.1	Interactions of categories	158
6.1.1	Place of articulation	158
6.1.2	Person	160
6.2	Interactions of values: typological prototypes	162
6.3	Grammatical relations	165
6.3.1	Animacy, definiteness and participant roles	166
6.3.2	Transitivity	175
6.3.3	Deeper explanations for the typology of grammatical relations	178
6.4	Parts of speech	183
6.5	Other prototypes and markedness reversals	188
6.6	Conclusion	192

<b>7</b>	<b>Syntactic argumentation and syntactic structure in typology</b>	194
7.1	Typology and syntactic argumentation	195
7.2	Iconicity, economy and syntactic structure	201
7.2.1	Conceptual distance and constituent structure	205
7.2.2	Syntactic and conceptual independence	213
7.2.3	The encoding of objects and events	219
7.2.4	Other universals of linguistic structure	224
7.3	Typological conspiracies and communicative motivation	226
7.4	Conclusion	231
<b>8</b>	<b>Diachronic typology</b>	232
8.1	The dynamicization of synchronic typology	232
8.2	From states to processes	244
8.3	Grammaticalization	253
8.3.1	Phonological processes	254
8.3.2	Morphosyntactic processes	257
8.3.3	Functional processes	261
8.3.4	Issues in grammaticalization	264
8.3.5	Explanations for grammaticalization	268
8.4	<i>Inferring diachrony from synchrony</i>	272
8.5	Conclusion	279
<b>9</b>	<b>Typology as an approach to language</b>	280
9.1	Scientific approaches (research traditions) and linguistic theories	280
9.2	Thinking like a typologist	282
9.3	Description, explanation and generalization	283
9.4	Typology, the Saussurean dichotomies and the evolutionary model	286
	 <i>List of references</i>	 291
	<i>Map of languages cited</i>	313
	<i>Author index</i>	324
	<i>Language index</i>	329
	<i>Subject index</i>	333