

Contents

Acknowledgments	xi
Abbreviations	xii
Chapter 1	
Introduction	1
Chapter 2	
Classifiers and countability	6
2.1. Introduction	6
2.2. Decomposing countability	7
2.2.1. Identifying two new features syntagmatically	7
2.2.2. Defining count and mass by the two features	15
2.2.3. Attesting the two features in co-occurrence restrictions	16
2.2.4. Attesting the two features in pronominalization	18
2.2.5. Attesting the two features in shifts	20
2.2.6. Numerability and number	25
2.3. The two features in nouns	29
2.3.1. Numerability of nouns	29
2.3.2. Delimitability of nouns	35
2.4. The two features in unit words	36
2.4.1. CLs and measure words	36
2.4.2. Unit words that occur with [-Delimitable]	38
2.4.3. Unit words that occur with [+Delimitable]	39
2.4.4. Unit words that occur with [±Delimitable]	43
2.4.5. The CL <i>ge</i>	46
2.4.6. Unit words as unique Numerability bearers in Chinese	49
2.4.7. Delimitability of unit words	50
2.5. Reflections on the studies of countability	52
2.5.1. What's new?	52
2.5.2. The semantic approach to countability	56
2.5.3. The morphological approach to countability	58
2.5.4. The multi-criteria approach to countability	61
2.5.5. Other non-binary analyses of countability	61
2.5.6. Experimental perspective	65

2.6. Reflections on the studies of CLs in numeral expressions	66
2.6.1. The syntactic foundations of the presence of CLs.....	66
2.6.2. How special are the CLs of CL languages?.....	67
2.6.3. The sortal-mensural contrast and CLs that do not classify ...	70
2.6.4. The unreliability of the <i>de</i> and pre-CL adjective arguments..	78
2.6.5. Experimental perspective.....	81
2.7. Chapter summary	83

Chapter 3

Classifiers and quantifiers.....	84
3.1. Introduction	84
3.2. Quantifiers that occur with a unit word.....	85
3.3. Quantifiers that occur without a unit word	87
3.4. The ambiguous cases	91
3.5. Non-numeral uses of <i>yi</i> ‘one’ in nominals.....	93
3.5.1. G-YI: <i>Yi</i> as a generic quantifier.....	93
3.5.2. E-YI: <i>Yi</i> as an existential quantifier	95
3.5.3. M-YI: <i>Yi</i> as a maximal quantifier.....	101
3.6. Chapter summary	106

Chapter 4

Classifiers and plurality	108
4.1. Introduction	108
4.1.1. Number in Mandarin Chinese?.....	108
4.1.2. General number and optional number marking.....	111
4.1.3. Abundant plural	113
4.2. Unit plurality.....	115
4.2.1. RUWs as unit-plurality markers	115
4.2.2. The productivity.....	117
4.2.3. RUWs, E-YI, and distributivity.....	120
4.2.4. Definiteness and specificity of RUW nominals	129
4.2.5. The interactions of numerals and number markers.....	130
4.3. Unit singularity	135
4.3.1. SUWs as unit-singularity markers	135
4.3.2. The productivity	137
4.3.3. The problems of the numeral-deletion analysis.....	140
4.3.4. Definiteness and specificity of SUW nominals.....	144
4.4. Morphological and semantic markedness	147
4.5. Number marking in CL languages	150
4.6. Chapter summary	154

Chapter 5

The syntactic constituency of numeral expressions	155
5.1. Introduction	155
5.2. Four arguments for the non-unified analysis	157
5.2.1. The scope of a left-peripheral modifier.....	157
5.2.2. The effect of modifier-association.....	160
5.2.3. Semantic selection	163
5.2.4. The order of size and shape modifiers.....	167
5.2.5. Two possible structures.....	170
5.3. Invalid arguments.....	172
5.3.1. The adjacency of a numeral and a unit word.....	172
5.3.2. Syntactic operations on NPs.....	174
5.3.3. NP ellipsis	177
5.3.4. The positions of the partitives <i>duo</i> ‘more’ and <i>ban</i> ‘half’	177
5.3.5. Other invalid arguments	185
5.4. Constituency and the readings of numeral expressions	186
5.4.1. Count and measure	187
5.4.2. Individual and quantity	191
5.4.3. Definiteness and specificity	192
5.5. Constituency and the occurrence of <i>de</i> following a unit word.....	194
5.5.1. Background	194
5.5.2. The quantity-reading condition	195
5.5.3. Different sources of <i>de</i>	200
5.6. Chapter summary	205

Chapter 6

The syntactic positions of classifiers	207
6.1. Introduction	207
6.2. The projection of UnitP	208
6.2.1. Unit words in numeral expressions and the head of UnitP ...	208
6.2.2. The Spec-Head relation of a numeral and a unit word.....	213
6.2.3. The surface position of numerals and QuantP	217
6.3. The co-occurrence of QuantP, UnitP, and NumP	221
6.4. The morphosyntactic properties of pre-unit-word adjectives	227
6.5. The right- and left-branching numeral constructions	232
6.5.1. The representations of the right-branching structure	232
6.5.2. The representation of the left-branching structure.....	233
6.5.3. MonP and <i>de</i>	238
6.6. The structure of attributive numeral expressions	243

6.7. Various realizations of the head of UnitP	246
6.7.1. Major typological patterns of the null Unit	246
6.7.2. A comparison with numeral-oriented approaches	251
6.8. Chapter summary	254
Chapter 7	
Noun-classifier compounds.....	256
7.1. Introduction	256
7.2. Basic properties of N-CL compounds	257
7.2.1. The components of N-CL compounds.....	257
7.2.2. The distributions and readings of N-CL compounds.....	261
7.3. DelP and N-CL compounds	262
7.3.1. Compound-internal CL as a realization of Del	262
7.3.2. DelP and delimitable markers.....	265
7.4. The non-count status of N-CL compounds.....	266
7.5. The relations between the higher and the lower CLs	267
7.5.1. No multiple individuating	267
7.5.2. No multiple counting-units.....	268
7.5.3. The semantic interactions between the two CLs.....	269
7.6. The place-holder CLs	270
7.6.1. <i>Ge</i> as the higher CL.....	271
7.6.2. The CL copying constructions	272
7.6.3. The alternation possibility.....	274
7.6.4. The significance of place-holder CLs	276
7.7. The syntactic representations of N-CL numeral expressions	276
7.7.1. The constructions without a place-holder CL.....	276
7.7.2. The constructions with a place-holder CL	279
7.8. Chapter summary	282
Chapter 8	
Conclusions	283
References	290
Subject index	315
Language index.....	317