Contents

Acknowledgments v

Introduction 1
0.0. Aim 1
0.1. Subsidiary Stresses 1
0.2. Organization 5

Part I Data

Chapter 1: Subsidiary Stress Data of English Words 8
1.0. Introduction 8
1.1. Variant Pronunciations 9
1.1.1. Kenyon and Knott (1953) 9
1.1.2. *RH* (1987) 11
1.1.3. *WN* (1988) 12
1.1.4. Wells (1990) 15
1.1.5. *AH* (1992) 15
1.2. Preferred Variants 17
1.2.1. Entry Count 18

1.2.2. Validity of the Method 22
1.3. Summary 25

Chapter 2: Data Reliability of Subsidiary Stress in English Words 27
2.0. Introduction 27
2.1. New Method Capable of Describing Variants 27
2.2. Leading Type 1, 2, 3 Variants 30
2.3. Strong Type 4 Variant and Weak Type 5 Variant 33
2.4. Reversed Strong Type 4 Variant and Reversed Weak Type 5 Variant 36
2.5. Strong Type 6 Variant 43
2.6. Dominance Level and Variant Type 44
2.7. Summary 47

Part II Previous Studies

Chapter 3: Subsidiary Stresses of English in Halle and Vergnaud (1987a) 50
3.0. Introduction 50
3.1. Tertiary Stress 50
3.1.1. Tertiary Stress in the *Hàlicârnássus* Type 50
3.1.2. Tertiary Stress in the *ântícipatòrŷ* Type 54
3.1.3. Tertiary Stress in *bândána* in Contrast with *banána* 56
3.2. Stress Enhancement 64
3.3. Lexical Treatment: Difference in Word-Internal Structures 69
3.4. Summary 72

Chapter 4: Subsidiary Stresses in Halle and Kenstowicz (1991) 75
4.0. Introduction 75
4.1. Rules with Noncyclic “Left to Right” Parsing 75
4.2. No Consideration of Syllable Structure and Previous Stress 78
4.3. Noncyclic HSR−2 80
4.4. Noncyclic HSR−2 with a “Non-Default” Setting 82

4.5. Noncyclic SCR with a "Non-Default" Setting 85
4.6. The *àlîenátion* Type 86
4.7. Initial, Onsetless Syllable: The *Apòllináris* Type 88
4.8. Summary 89

Chapter 5: Treatment of English Stress by Idsardi (1992) 91
5.0. Introduction 91
5.1. Latin Stress Rule 91
5.2. Circumscription with Residue Deletion 94
5.3. Without Conflation 99
5.4. Lexical Edge 103
5.4.1. *orìginálitŷ*: A Case of Lexical Edge:LRL 103
5.4.2. *pèregrinátion*: A Case of Lexical Edge:LLL 105
5.4.3. *Hàlicârnássus*: A Case of Lexical Edge:RRR 106
5.4.4. Three Types of Lexical Edge 108
5.5. Tertiary Stress 114
5.6. Summary 115

Chapter 6: Stress Checking by Well-Formedness Conditions 117
6.0. Introduction 117
6.1. Overview 118
6.2. Stress Checking by Well-Formedness Conditions 119
6.2.1. Rightmost Feet 120
6.2.2. Non-Rightmost Feet 123
6.3. Summary 133

Chapter 7: Optimality Theory Analysis of English Subsidiary Stresses 135
7.0. Introduction 135
7.1. Complete Disregard of a Tertiary Stressed Pattern 136
7.2. Lexical Accent 137
7.3. Treatment of Words with Cyclic Behavior 139
7.4. Summary 150

Chapter 8: Lexical Treatment in Optimality Theory 151
8.0. Introduction 151
8.1. The Constraint FAITH (v^o) 152
8.2. The Constraint BASE-IDENTITY 156
8.3. The Superconstraint [F(v^o)&BE] 161
8.4. Non-Rightmost Stress Pattern 164
8.5. Summary 166

Chapter 9: Tertiary Stress and Opacity in English 167
9.0. Introduction 167
9.1. Treatment of Tertiary Stress 168
9.1.1. The Treatment in MT 168
9.1.2. The Treatment in OT 170
9.2. Existence of Tertiary Stress 174
9.3. Opacity 177
9.4. Summary 179

Part III Proposal

Chapter 10: Positional Function Theory 182
10.0. Proposal: Positional Function Theory 182
10.1. Setting 182
10.2. Basic Concept 185
10.2.1. Positional Function *Farness* 185
10.2.2. Positional Function *Heaviness* 187
10.2.3. Positional Function *Trace* 188
10.2.4. Positional Function *Binarity* 190
10.2.5. Summary of Basic Concept 193
10.3. Nature of Positional Functions 194
10.3.1. Positional Function *Rhythm* (Preliminary) 194
10.3.2. Positional Function *Alveolar Consonant Sequence* (Preliminary) 197
10.3.3. Intrinsic vs. Relative Positional Functions 200

10.3.3.1. Intrinsic Positional Functions: *Heaviness*, *Trace*, *Binarity* 200
10.3.3.2. Relative Positional Functions: *Farness*, *ACS*, *Rhythm* 202
10.3.3.2.1. More on Relative Positional Function: *Rhythm* ... 204
10.3.3.2.2. More on Relative Positional Functions: *Farness* and *ACS* 206
10.3.3.2.3. Verification and Refinement of *ACS* 209
10.3.4. Summary of the Nature of Positional Functions 221
10.4. Other Positional Functions 222
10.4.1. Positional Functions: *Velar-Alveolar Sequence* (*VAS*) and *Bare Nucleus Avoidance* (*BNA*) 222
10.4.1.1. Relative Positional Function *VAS*: *èxpêctátion* 223
10.4.1.2. Negative Intrinsic Positional Function *BNA*: *elèctrícian* 225
10.4.1.2.1. Lexically Tense Vowels and *BNA*: A Variant *èlêctrícian* 228
10.4.1.2.2. Lexically Tense Vowels and *BNA*: *Àlexánder* 230
10.4.1.2.3. Lexically Tense Vowels and *BNA*: *àffêctátion* 232
10.4.1.3. Summary of *VAS*, *BNA*, and Lexically Tense Vowels 234
10.4.2. Relative Positional Function: *Edge Exemption* (*EE*) 235
10.4.2.1. Relative Positional Function: *Edge Exemption I* (*EE-I*) 235
10.4.2.2. Relative Positional Function: *Edge Exemption II* (*EE-II*) 240
10.4.2.3. Summary of *EE-I*, *EE-II*, and Prohibition against Double Application 247
10.4.3. Relative Positional Function: *Double Stop* (*DS*) and Non-Superimposition 248
10.4.3.1. Relative Positional Function: *Double Stop* (*DS*) 248
10.4.3.2. Non-Superimposition 251
10.4.3.3. Summary of *DS* and Non-Superimposition 254
10.4.4. *Category Selection Process* (*CSP*) in the Lexicon and an Account of Variants 255

10.4.4.1. Relative Positional Function: *Category Selection* (*CS*): *pìgmentátion, ìmpôrtátion* 255
10.4.4.2. Primary and Secondary Categories and *CSP*: *tràнsportátion* 262
10.4.4.3. Variant Pronunciations 269
10.4.4.4. Summary of the *CSP* in the Lexicon and an Account of Variants 277
10.4.5. *Free Binarity* (*FB*) with Optionality, and Lexical Stress .. 278
10.4.5.1. *Free Binarity* (*FB*) and Optionality 278
10.4.5.2. Lexical Stress 281
10.4.5.3. Summary of *FB* and Lexical Stress 284
10.4.6. Positional Adjustment Functions and Verification 284
10.4.6.1. *Rhythmic Adjustment* (*RA*) 286
10.4.6.2. *Stress Reduction* (*SR*) 291
10.4.6.3. *Sole Stress Resistance* (*SSR*) 293
10.4.6.4. Verification 296
10.4.6.5. Summary of Positional Adjustment Functions and Verification 298
10.5. Summary 299

Conclusions 303

Appendix: Postulated Positional Functions and Conditions 305

Bibliography 309

Index 319