

A  
**Grammar**  
of  
**Southern Unami Delaware**  
(Lenape)

Ives Goddard

Mundart Press

2021

# Table of Contents

(sections and examples)

<b>Preface.</b>	xvii
<b>Abbreviations and Conventions.</b>	xviii-xxii
<b>1. Introduction.</b>	<b>1-2</b>
§1.1.	
§1.2. Name.	
§1.3. Dialects.	
§1.4. Sources.	
<b>2. Sound System.</b>	<b>3-38</b>
§2.1. Phonemes.	<b>3-4</b>
(2.1) The segmental phonemes of Southern Unami	3
§2.1a. Spelling.	3
§2.1b. Consonant clusters.	3-4
§2.1c. Nasal clusters.	4
§2.1d. Long fricatives.	4
§2.1e. Constraints; /ɔ/ and /ɔː/.	4
§2.2. Blanchard's orthography.	<b>4-5</b>
(2.2) The Delaware alphabet used by Blanchard	5
§2.3. Weak and Strong Syllables.	<b>5-6</b>
§2.4. Weakening and Loss of Vowels.	<b>6-7</b>
(2.3) Syncope (loss) and weakening of short vowels in weak syllables	6
§2.4a. Loss of underlying strong short vowels.	<b>6-7</b>
(2.4) Syncope of short vowels before clusters containing a voiceless fricative	6-7
§2.5. Underlying  h .	<b>7-8</b>
(2.5) Some treatments and effects of underlying  h	7-8
§2.6. Other Consonant Changes.	<b>8</b>
(2.6) Initial-syllable reduction and loss	8
§2.7. Effects of weakened  a .	<b>8</b>
(2.7) Secondary effects of the weakening of  a	8
§2.8. Long Consonants in Metathesized Syllables.	<b>8-9</b>
(2.8) Secondary lengthening after metathesized sequences	9
§2.9. Word-final changes.	<b>9-11</b>
§2.9a. Word-final  -l .	<b>9</b>
(2.9) Loss of final   .	9

<b>§2.9b. Word-final  w .</b>	<b>9-10</b>
(2.10) Loss of final  w .	9-10
<b>§2.9c. Word-final  h .</b>	<b>10</b>
(2.11) Loss of final  h .	10
<b>§2.9d. Word-final post-vocalic /-i/.</b>	<b>10</b>
(2.12) Word-final negative suffix	10
(2.13) Assimilation and non-assimilation of /-i/ outside the negative	11
<b>§2.10. Vowel Replacement and Vowel Coloring.</b>	<b>11-17</b>
<b>§2.10a. Vowel-shortening before clusters.</b>	<b>11</b>
(2.14) Vowel-shortening before voiced consonants in clusters	11
<b>§2.10b. Contraction of  w  and  a  or  ā .</b>	<b>11-12</b>
(2.15) Contraction of  wa  and  wā  to /ɔ/, /ɔ̄/, and /ɔh/	11-12
(2.16) Contraction of  wa  to /ō/ and /ɔ/ with  -ak  anim. pl.	12
(2.17) Contraction of  wa  with  -a(l)  inan. pl. to /u/ (older /ō/) in verbs, and to /ɔ/ in nouns	12
(2.18) Contraction of  wa  with  -a(l)  obv. to /-ō/, /-u/, and /-ɔ/	12
<b>§2.10c. Contraction of  əwə .</b>	<b>13</b>
(2.19) Contraction of  ə-wə  and  əw-ə  to  ō	13
(2.20) Non-contraction of  əwə  in prefixes before nasal clusters	13
<b>§2.10d. Contraction of  əyə .</b>	<b>13-14</b>
(2.21) Contraction and non-contraction of  əy-ə	13-14
<b>§2.10e. Contraction of  awə  in verbs and nouns.</b>	<b>14</b>
(2.22) Contraction of stems in  aw  with  ə	14
<b>§2.10f. Contraction of  ayə .</b>	<b>14</b>
<b>§2.10g. Contraction of  Cw  in TA verbs.</b>	<b>14</b>
(2.23) Contraction with TA stems in  Cw	14
<b>§2.10h. Vowel changes before  w  and  y .</b>	<b>14-15</b>
(2.24) Vowel changes in third person forms	15
(2.25) Replacement of  i  by /ə/ before  y	15
(2.26) /ə/ and /u/ for  ə  before  w	15
<b>§2.10i. Treatment of  ə  before  kw  and  hw .</b>	<b>16</b>
(2.27) /u/ for  ə  before  kw  and  hw , and before  k  and  h  in rounding environments	16
<b>§2.10j. Treatment of  ə  before  nk .</b>	<b>16</b>
(2.28) /u/ and /i/ from  ə  before  nk	16
<b>§2.10k. Weakening of  a  between /h/ and /m/ or /n/.</b>	<b>16-17</b>
(2.29) /ə/ replacing weak-syllable  a  and  wa  before  m  and  n	16-17
<b>§2.11. Loss of intervocalic  w  and  y .</b>	<b>17-21</b>
<b>§2.11a. Intervocalic  w .</b>	<b>17</b>
(2.30) Loss of intervocalic  w	17
<b>§2.11b. Loss of intervocalic  y .</b>	<b>17-18</b>
(2.31) Loss and retention of  y	17-18
<b>§2.11c. Intervocalic /y/ replacing  w .</b>	<b>18</b>
(2.32) Replacement of  w  by /y/ before /u/ or /ō/	18
(2.33) Replacement of  w  by /y/ before  -əm  POSS.TH	18

<b>§2.11d. Intervocalic /y/ for  w  by analogy.</b>	<b>19</b>
(2.34) Analogical secondary /y/ before /ə/	19
(2.35) Analogical secondary /y/ before /k/	19
<b>§2.11e. Treatments of  wəy .</b>	<b>20-21</b>
(2.36) Retention and loss of  w  in TA and AI stems	20
(2.37) Variation in  kawī-  AI ‘sleep’	21
<b>§2.12. Other miscellaneous phonological changes.</b>	<b>21-26</b>
<b>§2.12a. Treatment of  w  potentially followed by  h .</b>	<b>21-22</b>
(2.38) Potential  w  followed by  h	21
<b>§2.12b. Treatment of  x  following  w .</b>	<b>22</b>
(2.39) Potential  w  followed by  x	22
<b>§2.12c. Replacement of  y  by  h .</b>	<b>22</b>
(2.40)  y  followed by  h  or  s	22
<b>§2.12d. Underlying  ōx  and  ōxw .</b>	<b>22-23</b>
(2.41) Examples of  xw  (with and without  ō ) and  ōx  (without  w )	23
<b>§2.12e. Secondary /hi/.</b>	<b>23</b>
(2.42) Secondary, anomalous /hi/	23
<b>§2.12f. Treatment of  -hmənā  1p,12.</b>	<b>23-24</b>
(2.43) The realizations of  -(ə)hmənā  1p,12	23
<b>§2.12g. Assimilation of  m  before  k  and  t .</b>	<b>24</b>
(2.44) /nk/ from  m-k	24
(2.45) /nt/ from  m-t	24
<b>§2.12h. Metathesis of  w  and  k  3s.</b>	<b>24</b>
(2.46) Metathesis of  w  and  k  to  kw	24
<b>§2.12i. Replacement of  t  by  č ,  h , and  s .</b>	<b>24-25</b>
(2.47) Replacement of  t  by  č  in inflectional endings	24-25
(2.48) Replacement of  t  by  h  before  k , and loss of the  k	25
(2.49) Replacement of  t  by  s  before certain finals	25
<b>§2.12j. Other restricted processes of cluster reduction.</b>	<b>25-26</b>
(2.50) Replacement of nasal consonant by  h  before	25-26
(2.51) Word-final  -hl  from  m  +    replaced by  -h	26
(2.52) Replacement of    by  h  before  k	26
<b>§2.12k. Irregular preterite singular ending.</b>	<b>25-26</b>
(2.53) First and second singular preterite	26
<b>§2.13. The realization of the pronominal prefixes (and homophonous syllables).</b>	<b>26-33</b>
(2.54) Combinations of pronominal prefixes and initial syllables	26-27
(2.55) Metathesis of the  w  of  wə-  3	27-28
(2.56) Retained /wt-/, /ws-/, and /wən-/ before /a/ and /a:/ in Blanchard	28
(2.57)  wə-  3 retained as /w-/ or /wə-/	28
(2.58)  w  of  wə-  3 assimilated to /p/, /k/, and /m/	29
(2.59)  w  of  wə-  3 contracted with  ə  to /u/	30
(2.60) Loss of  wə-  3 before /təl-/, /tən-/, and intercalated  t	30
(2.61) Retention of  wə-  3 before /təl-/, /tən-/, and intercalated  t	30-31
(2.62) Prefix  nə-  1 before voiceless consonants,  n , and	31
(2.63) Prefix  kə-  2 before voiceless consonants other than  k	31
(2.64) Prefix  kə-  2 before  k	31-32

(2.65) Contraction of prefixes with stem-initial  wə-	32
(2.66) Non-contraction of prefixes with stem-initial  wə-	32
(2.67) The treatment of stems beginning with  wə- ,  nə- , and  na-	33
<b>§2.14. Variation in stem shape with and without prefixes.</b>	<b>33-35</b>
(2.68) Stems with an added syllable after prefixes	34
(2.69) Retention and leveling of weak and strong syllables	34
(2.70) Partial unprefixed stem shape after a prefix	35
(2.71) Weak vowel after syncopated short vowel	35
<b>§2.15. Static words, syllables, and segments.</b>	<b>35-38</b>
(2.72) Static demonstratives and noun substitutes	36
(2.73) Static free particles	36
(2.74) Static preverbs	36
(2.75) Static numeral pre-particles	37
(2.76) Particles with a static diminutive suffix	37
(2.77) Nouns with static non-productive diminutive suffixes	37
(2.78) Static vocatives	37
(2.79) Static loanwords	37
(2.80) Static nicknames and the like	38
<b>3. Grammatical Categories.</b>	<b>39-50</b>
<b>§3.1.</b>	<b>39</b>
<b>§3.1a. Parts of Speech.</b>	<b>39</b>
<b>§3.1b. Stem Components.</b>	<b>39</b>
<b>§3.1c. Grammatical Categories.</b>	<b>39</b>
<b>§3.2. Gender.</b>	<b>39-41</b>
(3.1) Animate nouns (predictable categories)	39-40
(3.2) Animate nouns (objects)	40
(3.3) Animate nouns (natural phenomena)	40
(3.4) Animate nouns (body parts and the like)	40-41
(3.5) Inanimate nouns	41
<b>§3.3. Number.</b>	<b>41-42</b>
(3.6) Singular and plural distinguished	41-42
(3.7) Singular and plural not distinguished	42
<b>§3.4. Obviative.</b>	<b>42</b>
(3.8) Obviative marking	42
<b>§3.5. Absentative.</b>	<b>43</b>
(3.9) Uses of the absentative	43
<b>§3.6. Pronominal Persons.</b>	<b>43-44</b>
(3.10) Emphatic pronouns and pronominal categories	43
(3.11) Coreferential indefinites	44
<b>§3.7. Verbs: Formal and Syntactic Types.</b>	<b>44-50</b>
<b>§3.7a. Arguments.</b>	<b>44</b>
(3.12) Primary and secondary objects	44
<b>§3.7b. Obliques.</b>	<b>44-46</b>
(3.13) Relative roots and obliques	45-46

<b>§3.7c. Instrumental Obliques.</b>	<b>46</b>
(3.14) Instrumental obliques	46
<b>§3.7d. Instrumental Obliques and Adjuncts.</b>	<b>46-47</b>
(3.15) Adjuncts with no morphological link to a verb	47
(3.16) Adjuncts indexed by n-endings	47
(3.17) Adjuncts as heads of participles	48
<b>§3.7e. Intransitive and Transitive Verbs.</b>	<b>48-49</b>
(3.18) Intransitive stem pairs	48
(3.19) II stems derived from AI stems	48
(3.20) Transitive stem pairs	49
<b>§3.7f. Secondary Object.</b>	<b>49-50</b>
(3.21) Verbs with secondary object	49
<b>§3.7g. Inanimate Subject with Non-Sentient Object.</b>	<b>50</b>
(3.22) Animate inflection for inanimate transitive subject	50
<b>4. Inflection.</b>	<b>51-113</b>
<b>§4.1.</b>	
<b>§4.2. Inflection of Nouns.</b>	<b>51-58</b>
(4.1) Peripheral (outer) suffixes	51
(4.2) Noun paradigms	52-53
<b>§4.2a. Possessed Nouns.</b>	
(4.3) Inflection for possessor	53
(4.4) Possessed inanimate noun (ahpó·n ‘bread; loaf of bread’; ahpá·nši ‘pole’; xkán ‘bone’; mhúkw ‘blood’; múx·o·l ‘boat’; lač·e·s·əwá·k·an ‘possessions, clothes’)	53-54
(4.5) Possessed animate noun ( -nīčān  ‘child’, later esp. ‘daughter’;  ələnəw  ‘(man); brother of female’;  -kahēs  ‘mother’;  -tēh  ‘heart’)	54
(4.6) Possessed forms of nouns with stems in  -y  or  -əw	54-55
<b>§4.2b. Dependent Nouns.</b>	<b>55</b>
(4.7) Dependent nouns	55
<b>§4.2c. Absentative Possessed Nouns.</b>	<b>55-56</b>
(4.8) Absentative possessed nouns	55-56
<b>§4.2d. Locative.</b>	<b>56-57</b>
(4.9) Additional locative forms with /-ink/	56
(4.10) Locative plural forms	56
<b>§4.2f. Vocative.</b>	<b>57</b>
(4.11) Vocative forms	57
<b>§4.2g. Obviative Plural.</b>	<b>57-58</b>
(4.12) Obviative plural	57-58
<b>§4.3. Inflection of Pronouns.</b>	<b>58-60</b>
(4.13) Emphatic pronouns (‘too’ set)	58
(4.14) Reflexive pronouns (forms)	58
(4.15) Reflexive pronouns (examples)	59
(4.16) Demonstrative pronouns	59
(4.17) Interrogative demonstrative	60

(4.18) Indefinite-interrogative pronouns	60
<b>§4.4. Inflection of Verbs (Basic Categories).</b>	<b>60-61</b>
<b>§4.4a. Orders and Modes.</b>	<b>60</b>
<b>§4.4b. Preterite and Present.</b>	<b>60</b>
<b>§4.4c. Negative and Prohibitive.</b>	<b>61</b>
<b>§4.4d. Theme Signs.</b>	<b>61</b>
<b>§4.4e. Absolute and Objective.</b>	<b>61</b>
<b>§4.5. Independent Order Paradigms and Examples.</b>	<b>61-78</b>
(4.19) Independent order central endings	62
<b>§4.5a. Independent Indicative.</b>	<b>62-74</b>
(4.20) Independent indicative: AI and II paradigms	62-63
(4.21) Independent indicative AI and II (examples)	63
(4.22) Independent indicative, TA direct (inflections)	64
(4.23) Independent indicative, TA direct (forms of  nōtəm-  TA ‘guard’)	64
(4.24) Independent indicative, TA direct (examples)	65
(4.25) Independent indicative, TA inverse (inflections)	65
(4.26) Independent indicative, TA inverse (forms of  nōtəm-  TA ‘guard’;  pōl-  TA ‘escape from’)	65-66
(4.27) Independent indicative, TA inverse (examples)	66-67
(4.28) Independent indicative, TA first and second person passive (inflections; forms of  nakal-  TA ‘leave behind’)	67
(4.29) Independent indicative, TA first and second person passive (examples)	67
(4.30) Independent indicative, TA theme 3 and theme 4 (inflections)	67
(4.31) Independent indicative, TA theme 3 (forms of  wīčəm-  TA ‘help’)	67
(4.32) Independent indicative, TA theme 4 (forms of  wīčəm-  TA ‘help’;  maxkaw-  TA ‘find’;  nēw-  TA ‘see’)	67-68
(4.33) Independent indicative, TA theme 3 and theme 4 (examples)	68
(4.34) Independent indicative TI absolute (inflections)	68
(4.35) Independent indicative TI absolute (forms of  pən-  TI(1a) ‘look at’;  məšən-  TI(1b) ‘get’;  pēt-  TI(2) ‘bring’;  mīčī-  TI(3) ‘eat’;  nēm-  TI(3) ‘see’)	68-69
(4.36) Independent indicative TI objective with singular object (inflections)	69
(4.37) Independent indicative TI objective (forms of  pən-  TI(1a) ‘look at’;  məšən-  TI(1b) ‘get’;  pēt-  TI(2) ‘bring’;  mīčī-  TI(3) ‘eat’;  nēm-  TI(3) ‘see’)	69
(4.38) Independent indicative TI absolute (examples)	69-70
(4.39) Independent indicative TI objective (examples)	70
(4.40) AI+O with definite secondary object (examples)	71-72
(4.41) TA+O with definite secondary object (examples)	72
(4.42) AI and II with definite oblique (examples)	72-73
(4.43) TA with definite oblique (examples)	73
(4.44) TI with definite oblique (examples)	73
(4.45) Inflection for definite adjunct (examples)	73-74

<b>§4.5b. Subordinative.</b>	<b>74-78</b>
(4.46) Subordinative: AI and II (inflections; forms of  pā-  AI ‘come’;  pənīhlā-  II ‘fall’)	74-75
(4.47) Subordinative TA (inflections)	75
(4.48) Subordinative TA (forms of  nōtəm-  TA ‘guard’)	75
(4.49) Subordinative without  əlī  PV ‘{so}’ (examples)	75-76
(4.50) Subordinative with  əlī  PV ‘{so}’ (examples)	76-77
(4.51) Subordinative with ná PRES and  əlī  PV ‘{so}’ (examples)	77-78
(4.52) Subordinative as main verb (examples)	78
<b>§4.6. Conjunct Order Paradigms and Examples.</b>	<b>78-89</b>
(4.53) Conjunct modes: formation and uses	79
(4.54) Conjunct order central suffixes	79
<b>§4.6a. Plain Conjunct and Subjunctive Paradigms.</b>	<b>80-82</b>
(4.55) Plain conjunct and subjunctive of AI and II ( pā-  AI ‘come’;  ləmatapī-  AI ‘sit’;  pənīhlā-  II ‘fall’)	80
(4.56) Plain conjunct TA (forms of  nōtəm-  TA ‘guard’;  mīl-  TA ‘give to’)	80-81
(4.57) Subjunctive TA (forms of  nōtəm-  TA ‘guard’;  mīl-  TA ‘give to’)	81
(4.58) Plain conjunct TI (forms of  pən-  TI(1a) ‘look at’;  məšən-  TI(1b) ‘get’;  pēt-  TI(2) ‘bring’;  mīčī-  TI(3) ‘eat’;  nēm-  TI(3) ‘see’)	81
(4.59) Subjunctive TI (forms of  pən-  TI(1a) ‘look at’;  məšən-  TI(1b) ‘get’;  pēt-  TI(2) ‘bring’;  mīčī-  TI(3) ‘eat’;  nēm-  TI(3) ‘see’)	82
<b>§4.6b. Conjunct Examples.</b>	<b>82-89</b>
(4.60) Plain conjunct (examples)	82
(4.61) Changed conjunct (examples)	83
(4.62) Changed Subjunctive (examples)	83-84
(4.63) Subjunctive (examples)	84-85
(4.64) Participle (proximate examples)	85-86
(4.65) Participle (obviative examples)	86-87
(4.66) Participle (second person and inanimate examples)	87
(4.67) Participle with oblique head (examples)	87-89
<b>§4.7. Independent and Conjunct Preterite.</b>	<b>89-97</b>
(4.68) Independent indicative preterite AI and II (examples)	89-90
(4.69) Independent indicative preterite TA (examples)	90-91
(4.70) Independent indicative preterite TI (examples)	91
(4.71) Independent indicative preterite AI+O and TA+O (examples)	92
(4.72) Independent subordinative preterite	92
(4.73) Changed conjunct preterite	92=93
(4.74) Subjunctive preterite	93
(4.75) Preterite participle (AI, II)	93-94
(4.76) Preterite participle (TA direct and inverse)	94-95
(4.77) Preterite participle (TA themes 3 and 4)	95-96
(4.78) Preterite participle (TI)	96-97

<b>§4.8. Present.</b>	<b>97</b>
(4.79) Present (examples)	97
<b>§4.9. Negative Suffix and Particles.</b>	<b>97</b>
<b>§4.10. Independent Negative.</b>	<b>97-102</b>
(4.80) Independent indicative negative, AI and II inflections and paradigms	97-98
(4.81) Independent indicative negative, AI and II (examples)	98
(4.82) Independent indicative negative, TA direct (inflections)	98
(4.83) Independent indicative negative, TA direct (examples)	99
(4.84) Independent indicative negative, TA inverse (inflections)	99
(4.85) Independent indicative negative, TA inverse (examples)	99-100
(4.86) Independent indicative negative, TA first and second person passive (inflections, forms)	100
(4.87) Independent indicative negative, TA first and second person passive examples)	100
(4.88) Independent indicative negative, TA theme 3 and theme 4 (inflections)	100
(4.89) Independent indicative negative, TA theme 3 and theme 4 (examples)	100-101
(4.90) Independent indicative negative, TI absolute (inflections)	101
(4.91) Independent indicative negative, TI absolute (examples)	101
(4.92) Independent indicative negative, TI objective with singular object (inflections)	101-102
(4.93) Independent indicative negative, TI objective with singular object (examples)	102
<b>§4.10a. Subordinative Negative.</b>	<b>102</b>
<b>§4.11. Conjunct Negative.</b>	<b>102-105</b>
(4.94) Conjunct order negative, AI and II (endings)	103
(4.95) Conjunct order negative, all modes, AI and II (examples)	103
(4.96) Conjunct order negative, TA (endings)	103-104
(4.97) Conjunct order negative, all modes, TA (examples)	104
(4.98) Conjunct order negative, TI (endings)	105
(4.99) Conjunct order negative, all modes, TI (examples)	105
<b>§4.12. Imperative Order Paradigms and Examples.</b>	<b>105-113</b>
<b>§4.12a. Imperative Mode.</b>	<b>105-109</b>
(4.100) Imperative mode, AI and TI(3) (endings)	106
(4.101) Imperative mode, TA (endings)	106
(4.102) Imperative mode, TI(1a), TI(1b), and TI(2) (endings)	106
(4.103) Imperative mode, AI (examples)	107
(4.104) Imperative mode, TA theme 1 (examples)	107-108
(4.105) Imperative mode, TA theme 3 (examples)	108
(4.106) Imperative mode, TI (examples)	108-109
<b>§4.12b. Prohibitive Mode.</b>	<b>109-111</b>
(4.107) Prohibitive mode, AI and TI(3) (endings)	109
(4.108) Prohibitive mode, TA (endings)	109-110

(4.109) Prohibitive mode, TI(1a), TI(1b), and TI(2) (endings)	110
(4.110) Prohibitive mode, AI (examples)	110
(4.111) Prohibitive mode, TA (examples)	110
(4.112) Prohibitive mode, TI (examples)	111
<b>§4.12c. Injunctive Mode.</b>	<b>111-112</b>
(4.113) Injunctive mode (endings)	111
(4.114) Injunctive mode (examples)	112
<b>§4.12d. Future Imperative Mode.</b>	<b>112-113</b>
(4.115) Future imperative mode (endings)	112
(4.116) Future imperative mode (examples)	113
<b>5. Derivation.</b>	<b>114-187</b>
<b>§5.1. Stem Composition.</b>	<b>114</b>
<b>§5.1a. Primary Stems.</b>	<b>114-116</b>
(5.1) Primary stems (examples)	114
(5.2) AI stems consisting of an initial with no segmentable final	115
(5.3) AI stems without a recurring initial	115
(5.4) TA and TI stems without a recurring initial	115-116
<b>§5.2. Formation of Components.</b>	<b>116-132</b>
<b>§5.2a. Underived Initials.</b>	<b>116-117</b>
<b>§5.2b. Initials Formed from Stems.</b>	<b>117-118</b>
(5.5) Initials formed from noun stems	117
(5.6) Initials formed from verb stems	117-118
<b>§5.2c. Initials Formed from Initials.</b>	<b>118</b>
(5.7) Initials formed from initials by extensions	118
(5.8) Initials formed by initial change	118
<b>§5.2d. Finals and Medials Not Derived from Stems.</b>	<b>119-125</b>
(5.9) Underived noun finals	119
(5.10) Abstract AI and II verb finals and final pairs	120-121
(5.11) Significant AI and II verb finals and final pairs	121-122
(5.12) Underived transitive verb finals	122-124
(5.13) Underived medials	125
<b>§5.2e. Finals and Medials Formed from Stems and Components.</b>	<b>125-132</b>
(5.14) Noun finals from non-dependent noun stems	126-127
(5.15) Noun final from prefinal + final:	127
(5.16) Noun final from medial (with added  w )	127
(5.17) Verb finals from verb stems	127-128
(5.18) Verb finals from verb finals	128-129
(5.19) Medials from noun finals	129-130
(5.20) Medials from non-dependent nouns	130
(5.21) Medials from dependent nouns	130-131
(5.22) Medials from medials	131-132
<b>§5.3. Particles.</b>	<b>132-187</b>
<b>§5.3a. Underived Particles.</b>	<b>132-134</b>
(5.23) Unanalyzable free particles and preverbs	132

(5.24) Enclitics (complete set)	132-134
<b>§5.3b. Particle Finals.</b>	<b>134-136</b>
(5.25) Particles with  -ī  PF (not also used as preverbs)	134
(5.26) Particles incorporating  -ən̄k  LOC	134
(5.27) Preverbs with  -ī  PF	134
(5.28) Particles with  -ī  PF used also as preverbs	134-135
(5.29) Particles and prewords with  -īwī  PF	135
(5.30) Particle with variation in the particle final	135
(5.31) Particle finals derived from medials	135-136
(5.32) Particle finals derived from nouns	136
(5.33) Particle finals without an abstract final	136
<b>§5.4. Reduplication.</b>	<b>136-144</b>
<b>§5.4a. Plural Reduplication.</b>	<b>137-139</b>
(5.34) Plural reduplication	138
(5.35)  amank-  ‘big (pl.)’ with prefixes and initial change	139
<b>§5.4b. Repetitive Reduplication.</b>	<b>139-141</b>
(5.36) Repetitive reduplication (consonant-initial stems with a short vowel in the initial syllable)	139
(5.37) Repetitive reduplication (stems beginning with  ə-  and some with  a- )	140
(5.38) Repetitive reduplication (stems with a long vowel in the first syllable, and some with  a- )	140-141
(5.39) Stems with fossilized plural or repetitive reduplication	141
<b>§5.4c. Continuative Reduplication.</b>	<b>141</b>
(5.40) Continuative reduplication	141
<b>§5.4d. Habitual Reduplication.</b>	<b>141-143</b>
(5.41) Habitual reduplication (without initial change)	142
(5.42) Habitual reduplication with initial change	142-143
<b>§5.4e. Extended Reduplication.</b>	<b>143-144</b>
(5.43) Extended reduplication (for removed past)	143
(5.44) Extended reduplication (with a negative)	143-144
<b>§5.4f. Rare Patterns of Reduplication.</b>	<b>144</b>
(5.45) Rare reduplication types	144
<b>§5.5. Secondary Derivation.</b>	<b>144-175</b>
<b>§5.5a. Nouns Formed from Nouns.</b>	<b>144</b>
<b>§5.5b. Diminutives.</b>	<b>144-146</b>
(5.46) Diminutive nouns with  -ətət	145
(5.47) Possessed diminutive nouns	145
(5.48) Nouns with a non-productive diminutive suffix  -(ə)s	145
<b>§5.5c. Pejoratives.</b>	<b>146</b>
(5.49) Nouns with a pejorative suffix	146
<b>§5.5d. Objurgatives.</b>	<b>146</b>
(5.50) Objurgative nouns	146
<b>§5.6. Secondary Derivation: Nouns Formed from Verbs.</b>	<b>146-151</b>
<b>§5.6a. Nouns with  -ən  NF.</b>	<b>146-147</b>
(5.51) Nouns with  -ən  NF added to an AI stem	146-147

<b>§5.6b. Nouns with  -ənay  NF.</b>	<b>147</b>
(5.52) Nouns with  -ənay  NF added to an AI or TI(3) stem	147
<b>§5.6c. Nouns with  -wən  NF.</b>	<b>147</b>
(5.53) Nouns with  -wən  NF	147
<b>§5.6d. Nouns with  -wan  NF.</b>	<b>147</b>
(5.54) Nouns with  -wan  NF	147
<b>§5.6e. Nouns with  -kan  NF.</b>	<b>147-148</b>
(5.55) Nouns made with  -kan  NF	148
<b>§5.6f. Nouns with  -īkan  NF.</b>	<b>148</b>
(5.56) Nouns made with  -īkan  NF	148
<b>§5.6g. Nouns with  -ākan  NF.</b>	<b>148</b>
(5.57) Nouns made with  -ākan  NF	148
<b>§5.6h. Nouns with  -wākan  NF from Primary Stems.</b>	<b>148-149</b>
(5.58) Abstract nouns made with  -wākan  NF from primary stems	149
<b>§5.6i. Nouns with  -wākan  NF from Derived AI Verbs.</b>	<b>149-150</b>
(5.59) Abstract nouns made with  -wākan  NF from secondary AI stems in  -ē  and invariant  -ā	149-150
(5.60) Abstract nouns made with  -wākan  NF from secondary stems with  -(ə)tī  AI	150
<b>§5.6j. Nouns with  -w  NF from AI and TA Verbs.</b>	<b>150-151</b>
(5.61) Agent nouns with  -w  NF	150
(5.62) Agent nouns with  -əs  NF	150
(5.63) Nouns of undergoer with  -āw  NF	150
(5.64) Noun of undergoer with  -əkʷ  NF	151
<b>§5.6k. Lexicalized Participles.</b>	<b>151</b>
(5.65) Lexicalized participles	151
<b>§5.6l. Agent Nouns in  -s .</b>	<b>151</b>
(5.66) Agent nouns in  -s	151
<b>§5.7. Secondary Derivation: Verbs Formed from Nouns.</b>	<b>151-155</b>
<b>§5.7a. Verbs of Being or Becoming.</b>	<b>152</b>
(5.67) Verbs of being or becoming	152
<b>§5.7b. Verbs of Having as an Attribute.</b>	<b>152-153</b>
(5.68) Verbs of having as an attribute	152-153
<b>§5.7c. Verbs of Speaking a Language.</b>	<b>153</b>
(5.69) Verbs of speaking a language	153
<b>§5.7d. Verbs of Making.</b>	<b>153</b>
(5.70) Verbs of making or acquiring	153
<b>§5.7e. Verbs of Possession (AI).</b>	<b>153-154</b>
(5.71) Verbs of possession (AI)	153-154
<b>§5.7f. Verbs of Possession (TA).</b>	<b>155</b>
(5.72) Verbs of possession (TA)	155
<b>§5.8. Secondary Derivation: Verbs Formed from Verbs.</b>	<b>155-175</b>
<b>§5.8a. Diminutive Verbs.</b>	<b>155-157</b>
(5.73) Diminutive verbs	156-157
<b>§5.8b. Pejorative Verbs.</b>	<b>157</b>
(5.74) Pejorative verbs	157

<b>§5.8c. Collective Verbs.</b>	<b>157-158</b>
(5.75) Collective verbs	158
<b>§5.8d. II Verbs Derived from AI Stems.</b>	<b>158-159</b>
(5.76) II verbs derived from AI stems	159
<b>§5.8e. Causatives.</b>	<b>160-163</b>
(5.77) Causatives derived from AI stems with  -h  TA,  -ht , TI(2)	160
(5.78) Causatives derived from AI stems with  -l TA ,  -t  TI(2)	160
(5.79) Causatives derived from AI stems with  -wəhē  AI+O	161
(5.81) Causative derived from an AI stem with  -ənahē  AI+O	161
(5.82) Causatives derived from AI stems with  -wəhāl  TA (/hɔ:l/) and  -hāl  TA (/ha:l/)	161
(5.83) Causatives derived from AI stems with  -hāl  TA	162
(5.84) Causatives derived from AI stems with  -(ə)mahāl  TA	162
(5.85) AI+O causatives derived from AI stems	162
(5.86) TI causative derived from a TA taken as a passive	162
(5.87) Causatives derived from transitive stems	162-163
<b>§5.8f. Applicatives.</b>	<b>163-164</b>
(5.88) Applicatives derived from AI stems with  -l  TA,  -t  TI(1a)	163-164
(5.89) Applicatives derived from AI stems with  -m  TA	164
(5.90) Applicatives derived from AI stems with  -aw  TA	164
(5.91) Applicatives derived from AI stems with  -htaw  TA,  -ht  TI(1a)	164
(5.92) Applicatives derived from AI stems with  -htam  TA	164
(5.93) Applicative derived from an AI+O stem with  -māl  TA (irregular)	164
<b>§5.8g. Double-Object Verbs.</b>	<b>165-166</b>
(5.94) Double-object verbs derived from TI(1a) and TI(1b) themes	165
(5.95) Double-object verbs derived from TI(2) stems	165-166
(5.96) Double-object verb derived from a TI(3) stem	166
(5.97) Ostensible double-object verbs not derivable from TI stems	166
<b>§5.8h. Benefactives.</b>	<b>166</b>
(5.98) Benefactives	166
<b>§5.8i. Joint-Action Verbs.</b>	<b>166-167</b>
(5.99) Verbs of joint action or inclusion.	166-167
<b>§5.8j. Detransitives.</b>	<b>167-169</b>
(5.100) General detransitives in  -īkē  AI	167-168
(5.101) Indefinite intransitives in  -əwē  AI (verbs and derived nouns)	168
(5.102) Indefinite intransitives in  -kē  AI	169
(5.103) Indefinite intransitives in  -āsī  AI (replacing  -aw  TA)	169
<b>§5.8k. Middle-Reflexives.</b>	<b>169-170</b>
(5.104) Middle-reflexives (types and examples)	170
<b>§5.8l. Derived Passives.</b>	<b>170-172</b>
(5.105) AI and II passive stems derived from TI(1) stems	171
(5.106) II passive stems derived from TI(2) stems	171
(5.107) AI and II passive stems derived from TA stems with  -əkwəsī  AI,  -əkwa  II	171-172
(5.108) Stems with  -īnākwəsī  AI,  -īnākwa  II ‘seem, appear’	172

(5.109) Stems with  -əhtāk wəsī  AI,  -əhtāk wat-  II ‘have a sound, use or be a voice’	172
<b>§5.8m. Reciprocals.</b>	<b>172-174</b>
(5.110) Reciprocals on different stem shapes	172-173
(5.111) Reciprocal with singular inflection	173
(5.112) Reciprocal form not literally reciprocal	173
(5.113) Reciprocal stems with indefinite subject (reciprocal and passive meanings)	173
(5.114) Nouns derived from reciprocal stems (ostensibly active)	173-174
(5.115) Nouns derived from reciprocal stems (with passive meaning)	174
(5.116) Nouns derived from reciprocal stems (possessed forms)	174
<b>§5.8n. Verbs of Environmental Effect.</b>	<b>174</b>
(5.117) Verbs of environmental effect and the like with  -(n)amī  AI	174
<b>§5.8o. Objurgative Verbs.</b>	<b>175</b>
(5.118) Objurgative verbs	175
(5.119) Objurgative verbs euphemistically altered	175
<b>§5.9. Compounds.</b>	<b>175-187</b>
<b>§5.9a. Compound Nouns.</b>	<b>175-179</b>
(5.120) Prenouns with underived initials and -i PF	176-177
(5.121) Prenouns with underived initials and -íi PF	177
(5.122) Prenouns from noun stems and -íi PF	177
(5.123) Prenouns from lexicalized participles and -íi PF	177-178
(5.124) Prenoun from locative noun or particle	178
(5.125) Prenouns from verb stems with  -w  NF	178
(5.126) Derived particles matching pre-nouns with -íi PF	178
(5.127) Prenoun in -íi PF with a derived noun,	179
<b>§5.9b. Compound Verbs.</b>	<b>179-186</b>
(5.128) Preverbs with grammatical functions	179-182
(5.129) Other underived preverbs	183-186
(5.130) Preverb from pre-noun	186
(5.131) Preverb from free particle	186
(5.132) Preverbs from verb stems	186
<b>§5.9c. Particle Compounds.</b>	<b>186-187</b>
(5.133) Particle compounds	186-187
<b>6. Sentence Structure.</b>	<b>188-198</b>
<b>§6.1. Kinds of Sentences.</b>	<b>188</b>
<b>§6.2. Sentence Components.</b>	<b>188-191</b>
<b>§6.2a. Noun Phrases.</b>	<b>188-189</b>
(6.1) Noun phrase without a noun or participle	188-189
(6.2) Noun phrase with a noun or participle	189
(6.3) Quantifier and adjunct	189
(6.4) Possessor and possessed	189
<b>§6.2b. Verbal Phrases.</b>	<b>189-190</b>
(6.5) Verb with adverbial particle	189

(6.6) Verb with negative or prohibitive particle	190
(6.7) Verb with complement of relative root	190
(6.8) Conjoined verbs	190
<b>§6.2c. Particle Phrases.</b>	<b>190-191</b>
(6.9) Particle phrases	190-191
<b>§6.3. Verbless sentences.</b>	<b>191-192</b>
<b>§6.3a. Substantive Sentences.</b>	<b>191-192</b>
(6.10) Substantive sentences	191-192
<b>§6.3b. Equational Sentences.</b>	<b>192</b>
(6.11) Equational sentences (Given + New)	192
(6.12) Equational sentences (New + Given)	192
(6.13) Equational sentences with New term emphasized	192
<b>§6.4. Subordinate Clauses.</b>	<b>192-193</b>
<b>§6.4a. Conditional Clauses.</b>	<b>192</b>
<b>§6.4b. Complement Clauses.</b>	<b>193</b>
(6.14) Direct discourse complement	193
(6.15) Indirect discourse complement	193
<b>§6.5. Sentence-Initial Focus and Emphasis.</b>	<b>193-195</b>
<b>§6.5a. Focus-Fronting.</b>	<b>193-194</b>
(6.16) Focus-fronted subject or object followed by enclitic host	193-194
<b>§6.5b. Focus Peg.</b>	<b>194</b>
(6.17) ná P PRES not in sentence-initial focus position	194
<b>§6.5c. Presentational Pronoun.</b>	<b>194-195</b>
(6.18) Forms of nánal (nál) ‘he, she, it is the one that’	194
(6.19) Examples of nánal (nál) ‘he, she, it is the one that’	194-195
<b>§6.5d. Presentational Particle as Emphatic.</b>	<b>195</b>
(6.20) šé· P EMPH	195
<b>§6.6. Discontinuous Constituents.</b>	<b>195-197</b>
(6.21) Discontinuous particle compound	195
(6.22) Discontinuous compound verb	195-196
(6.23) Discontinuous noun phrase (demonstrative and participle)	196
(6.24) Discontinuous noun phrase (noun or pronoun and participle)	196
(6.25) Discontinuous noun phrase (particle and noun or participle)	196
(6.26) Discontinuous noun phrase (possessor and possessed noun)	196
(6.27) Discontinuous noun phrase (locative)	197
(6.28) Discontinuous noun phrase (oblique complement of the included relative root)	197
(6.29) Discontinuous subordinate clause	197
(6.30) Two discontinuous clauses intertwined	197
<b>§6.7. Gapping.</b>	<b>197-198</b>
(6.31) Conjoined verbs with gapping	198
(6.32) Conjoined verbs: second head verb gapped after preverb with prefix	198
<b>Bibliography.</b>	<b>199-200</b>