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THE FUNCTIONAL LOAD OF TONE IN BILUGU OPO

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THE FUNCTIONAL LOAD OF TONE IN BILUGU OPO

In the Bilugu dialect of Opo [lgn], a small Nilo-Saharan language of the Koman family spoken in Ethiopia and South Sudan, tone has a remarkably high functional load both lexically and grammatically.

Following tonal analysis methods outlined by Snider (2018), this paper gives evidence that Bilugu has four phonemic levels of tone. This is the largest known tonal inventory of any Koman language to date, the others having at most three (Otero 2019:39-93). Lexical contrast between low (L), mid (M), high (H), and extra-high (X) can be seen in (1), where simplex morphemes of the same grammatical category, class, and syllable pattern are compared and shown to have different tone heights.

(1) Lexical tone contrast.

<p>a. CV nouns</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">X</td> <td style="width: 15%;">/k^hɪ/</td> <td style="width: 80%;">'mouse (sp.)'</td> </tr> <tr> <td>H</td> <td>/pé/</td> <td>'snake (sp.)'</td> </tr> <tr> <td>M</td> <td>/sē/</td> <td>'tooth'</td> </tr> <tr> <td>L</td> <td>/pè/</td> <td>'year'</td> </tr> </table>	X	/k ^h ɪ/	'mouse (sp.)'	H	/pé/	'snake (sp.)'	M	/sē/	'tooth'	L	/pè/	'year'	<p>b. CV transitive verbs</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">X</td> <td style="width: 15%;">/bá/</td> <td style="width: 80%;">'put'</td> </tr> <tr> <td>H</td> <td>/sá/</td> <td>'eat.SG'</td> </tr> <tr> <td>M</td> <td>/tā/</td> <td>'do, make'</td> </tr> <tr> <td>L</td> <td>/cà/</td> <td>'dig'</td> </tr> </table>	X	/bá/	'put'	H	/sá/	'eat.SG'	M	/tā/	'do, make'	L	/cà/	'dig'
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In addition to its lexical functional load, tone also bears a high grammatical load in Bilugu. In the verb system, for example, tense-aspect-modality (TAM) is marked with both replacive floating tone morphemes and tonally contrastive segmental morphemes. This is illustrated in (2) where the difference between the perfective and jussive is solely indicated by the tone of the agreement clitic /ar = / '3SG.M' (2a-b); likewise the difference between the imperfective and future constructions is the tonal pattern of the agreement clitic plus a tonally distinguished tense-aspect prefix (2c-d).¹

(2) Tone contrast in the TAM system.

<p>a. ār = jū 3SG.M:PRF=come.SG 'He came.'</p>	<p>b. ár = jū 3SG.M:JUSS=come.SG 'Let him come!'</p>
<p>c. àr = à- jū 3SG.M=IPFV-come.SG 'He comes / is coming.'</p>	<p>d. ār = á- jū 3SG.M=FUT-come.SG 'He will come.'</p>

In addition, for certain verbs, tone can make the difference between derivational stems, such as transitive and intransitive (3a), singular and plural subject (3b), singular and pluractional (3c), distributed and non-distributed object (3d), and others not shown here.

(3) Tone contrast in verb stem derivation.

<p>a. b̂à 'lay (vi. SG)' b̂á 'lay, put (vt. SG)'</p>	<p>b. k^hālā 'be small (SG)' k^hálá 'be small (PL)'</p>
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¹ Note that the tense-aspect prefixes /à-/ 'IPFV' and /á-/ 'FUT' phonologically detach from the verb when preceded by a pronominal agreement marker, as indicated by the extra space in the data line. Their status as prefixes is made clear in other syntactic constructions.

