

Balti Morphology

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Language Documentation: Field Methods

Introduction

This paper first focuses on Balti morphology. Overall, Balti is an ergative-absolutive language and has case markings for the ergative, genitive, and dative cases. First will be discussed the nominal morphology and the case markers, followed by verbal morphology, focusing on tense and aspect. It is important to note here that there does not seem to be a clear future tense, and often the only ways to indicate the future tense would be through context or using irrealis verbs, but there is a potential explanation which will be explored in Mysteries, Section 3.3. All data has been elicited by me, unless otherwise noted.

1. Nominal Morphology

1.1 Bare Pronominals

Person	Number	Pol/Fam	M/F	Incl/Excl	Form
1	sg				ŋa
	pl				ŋəja
2	sg	polite			jaŋ
		familiar			k ^h jaŋ
	pl	polite			jɪdaŋ
		familiar			k ^h ɪdaŋ
3	sg	masculine			k ^h o
		feminine			mo
	pl	masculine, mixed			k ^h oŋ
		feminine			moŋ

1.2 Possessive Pronominals

Person	Number	Pol/Fam	M/F	Incl/Excl	Form
1	sg				ɲi
	pl				ɲəj
2	sg	polite			jeri
		familiar			k ^h jeri
	pl	polite			jeti
		familiar			k ^h eti
3	sg	masculine			k ^h oi
		feminine			moi
	pl	masculine, mixed			k ^h odaɲi
		feminine			modaɲi

1.3 Reflexive Pronominals

Person	Number	Pol/Fam	M/F	Incl/Excl	Form
1	sg				ɲaɲ
	pl				ɲai
2	sg	polite			jaɲ
		familiar			k ^h jaɲ
	pl	polite*			
		familiar*			
3	sg	masculine			kwaɲ
		feminine			mwaɲ
	pl	masculine, mixed			k ^h odaɲi
		feminine			modaɲi

*Had not been elicited.

1.4 Reflexive Possessive Pronominals

Person	Number	Pol/Fam	M/F	Incl/Excl	Form
1	sg				ŋi
	pl				ŋai
2	sg	polite			jeri
		familiar			k ^h eri
	pl	polite			jeti
		familiar			k ^h eti
3	sg		masculine		kuri
			feminine		muɾi
	pl		masculine, mixed		k ^h eti
			feminine		meti

1.4 Definite markers [-po], [-o]

[-po] is added on as a definite marker when the noun ends in a consonant:

- (1) di ʃokʃok^h-po ʔtʃi fila ɪn
 this letter- DEF who for is
 ‘Who is this letter for?’

If the noun ends in a vowel, the last vowel is changed to [-o]:

- (2) b-o-is xtrax-po z-ɛn m-ɛt
 cow-DEF.ERG gift-DEF eat-PTCP NEG-AUX
 ‘The cow is not eating the gift.’

1.5 Plural Markers [-ŋ] and [-kʊŋ]

The plural marker [-ŋ] is used on V-final stems.

- (3) k^huʃu-ŋ ʒunbo jʊt

apple-PL tasty COP
 ‘Apples are tasty.’

The plural marker [-kʊn] is used instead of [-ŋ] on C-final stems.

(4) mendoq-kʊn marfɛ jʊt
 flowers-PL red COP
 ‘All flowers are red.’

1.6 Case Markers

1.6.1 Ergative Markers

The ergative marker on its own is usually [-s] unless appearing after a back vowel in which case it is [-is]. The speaker who was elicited from said that typically the [-s] of the ergative marker is dropped at the end.

(5) ŋa-s ŋaŋ-la rg-ɛt
 I-ERG myself-DAT love-PRS
 ‘I love myself.’

(6) bil-o-is ŋa z-os
 cat-DEF.ERG fish eat-PST
 ‘The cat ate fish.’

1.6.2 Dative Marker [-la]

[-la] seems to be used as a dative marker just added on at the end of the stem.

(7) ŋa bil-o-la xrkjɛl taŋ-ɛn jʊt-pa
 I cat-DEF.DAT bath make-PTCP AUX.PST
 ‘I was making a bath for the cat.’

For verbs such as ‘to know’ or ‘to like’, the subject takes the dative marker, as in ‘to me this is occurring’:

(8) ŋa-la ʔts^ho rgaʃa ma-ʃɛs ʔtsar zɛ bana ŋa-la xrkjɛlba ʃjɛs m-ɛt
 I.DAT lake like NEG-know because I-DAT swim know NEG-AUX
 ‘I do not like the lake because I do not know how to swim.’

1.6.3 Genitive Marker [-i]

The genitive marker is [-i], and also always appears before postpositions.

- (9) b-o mwe-i In
 cow-DEF woman.GEN COP
 ‘The cow is some woman’s.’

- (10) k^ho ʔts^ho-i k^ha xrkjɛlba go-ɛn jɔt
 He lake.GEN upon swim go.PTCP AUX
 ‘He is going to the lake to swim.’

2. Verbal Morphology

2.1 Tense

2.1.1 Present tense

[-ɛt] indicates present tense:

- (11) ɲa-la ʔts^ho rgafɑ ʃjɛs-ɛt
 I-DAT lake love know-PRS
 ‘I like the lake.’

2.1.2 Past tense

-s indicates simple past tense:

- (12) ɲa ʔtʃulu-la xltɑ-s
 I apricot-DAT see-PST
 ‘I saw the apricot.’

2.2 Aspect

2.2.1 Imperfective Aspect

2.2.1.1 Present Progressive

The imperfective present progressive is shown with the participle marker [-ɛn] and the auxiliary [jɔt]:

- (13) ɲa xrkjɛl-ɛn jɔt
 I bathe-PTCP AUX
 ‘I am bathing.’

I fruit eat.PROG NEG-AUX.COP COP.PST
 ‘I had not been eating fruit.’

2.3 Modality

2.3.1 Imperative

The imperative seems to be the word stem alone.

(19) k^hidaŋ gaŋma loxsɛ zgo p^hɛs
 you all all together door open
 ‘All of you open the door together!’

Instead of following the negation rules in Section 2.4, a phrase is negated by placing [ma] before the verb:

(20) t^hat^ha ma bɛs
 laugh NEG do
 ‘Stop laughing!’

2.3.2 Potentiality

Potentiality is shown with [na], connecting the two phrases in the middle. However, the last verb’s exact derivation is unclear (see mysteries in Section 3.3):

(21) ŋi kuʃu jɔt-pa na ŋa-s z-ɛt-pa
 my apple AUX.PST POT I-ERG eat-AUX.PST
 ‘If I had an apple, I would have eaten it.’

(22) ŋi ʔts^haniŋ xmul jɔt-pa na ŋa-s naŋ ʔtʃi
 My with money AUX.PST POT I-ERG house one
 lɛn-ɛt-pa
 buy-AUX.PST
 ‘If I had money, I would have bought a house.’

2.3.3 Irrealis

Two words are used to show irrealis: [suk^h], used for the past tense, and [duktuk^h], which is the only word other than temporal words that can indicate future tense:

(23) k^ho-s ʋzun t^haŋf-i In suk^h
 He-ERG lie make COP IRR

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- (24) η a haske z-εn duktuk^h
 I tomorrow eat-PTCP IRR
 ‘I shall be eating tomorrow.’

2.4 Negation

The negation affects the last verb of the word by placing [ma] before the verb. A couple of exceptions are that It will show up as [ma] for all verbs except for [jʊt] where the two combine and form [mεt], and for [ɪn], [ma] combines with it to form [mεn].

3. Mysteries

3.1 Irrealis Markers

Although it does seem that [suk^h] and [duktuk^h] are being used to show irrealis, they do appear as well in sentences that do not seem to be containing that quality in English when the speaker was asked to transcribe the future tense:

- (25) η a dεriŋ ^ˆts^haŋ-la nit^haŋ-εn duktuk^h
 I tonight sleep-DAT fall-PTCP IRR
 ‘Tonight I will be falling asleep.’

A potential explanation for this is that the future is always seen as uncertain in Balti and the speaker interpreted the sentence in such a manner that it would require the irrealis to be used, but more data would most likely need to be elicited to know for sure.

3.2 Future tense

It is still unclear as to whether the future tense really exists, because whenever it was elicited it did not seem to have a set translation, and when it was elicited the speaker seemed to have some confusion as to how to interpret the sentence. When a time word is not indicated, it seems that the simple future would be indicated by just adding [ɪn] to the end of the sentence (and having the verb change accordingly):

- (26) η a-s bil-o ^ˆtʃik^h lenm-i ɪn
 I-ERG cat-DEF one buy-COP COP
 ‘I will buy a cat.’

In other cases, however, it is indistinguishable from the imperfective present progressive:

- (27) ni k^{hi} ʔfɪk^h jɔtp-i ɪn
 I dog one AUX.COP COP
 ‘I will have a dog.’

The use of [ɪn] in general is very confusing as it is not just seen in the future tense examples, which makes me think that perhaps it is not an indicator of future tense but of something else entirely. Hopefully with more data we can determine if there is a clear future tense or it can only be indicated by temporal words, but for the moment my hypothesis remains that examples 26 and 27 are not examples of future tense but rather just a different use of [ɪn] that cannot be perfectly translated into English.

3.3 Potentiality - Final Verb Ending

The ending of the verb in sentences 21 and 22, while looking very similar to previously explained aspects, does not seem to make much sense here. The [-ɛt-pa] construction is just not seen anywhere, and it could be the present tense but also the past tense marker, but that seems highly implausible. Perhaps the [-ɛt] is being used here to also indicate potentiality along with the [na] used to combine the clauses, but it is unclear and requires more elicitation.

4. Conclusion

Overall, with the exception of the future tense, the irrealis markers, and a couple of pronouns and potentiality, much of the inflectional morphology seems to have been well-elicited. It is curious that [jɔt] and [ɪn] are used so much in various forms throughout the various tenses and aspects. As more sentences will be elicited hopefully these can resolve themselves, but so far a lot of progress has been made.