Egophoric marking and person indexation in Japhug

Guillaume Jacques
Southwest University (ICLD) & CNRS (CRLAO)

Japhug, like other Gyalrong languages, is one of the very few languages with both a full-fledged person indexation system and an egophoric evidential category. A detailed account of the uses and meanings of the Egophoric and its interaction with person is thus of interest to the typology of evidential systems. This paper describes the uses of Egophoric marking in Japhug and of the other two evidential categories with which it contrasts (Factual and Sensory), as well as their interaction with person indexation. Due to the limited distribution of the Egophoric in Japhug (it only occurs in present contexts), the present paper exclusively focuses on the uses of evidentials with stative verbs in present (imperfective) contexts, where minimal pairs are available in the corpus.

Keywords: Egophoric, Factual, Sensory, mirative, Hybrid Indirect Speech, conjunct/disjunct, person indexation

Introduction

The interaction between Evidentiality and Person is a well established phenomenon (Aikhenvald 2004: 217–238, 2015; Sun 2018), and Egophoric marking, a phenomenon documented in the Himalayas, South America, the Caucasus and Highland New Guinea is one of the most person-sensitive evidential categories.

Very few languages have both person indexation and egophoric marking; none of those included in the forthcoming volume on egophoricity (Floyd et al. 2018)
have person indexation, and in the Sino-Tibetan family, while languages with ego-
phoric marking such as Newar, Pumi (Daudey 2014) and Bunan (Widmer & Zemp
2017) have remnants of person indexation completely or partially reanalyzed as
evidential categories, the only language group where both a fully fledged person
indexation system and an evidential system containing an egophoric category are
both present is the Gyalrong branch of Sino-Tibetan, comprising Situ, Japhug,
Tshobdun and Zbu (Sun 2018). While previous work has partially described the
use of evidential categories in Gyalrong languages (see in particular Lin 2003; Sun
2003; Jacques 2017: 617–620), much descriptive work is still needed before these
languages can be profitably used by typologists working on evidentiality.

TAME systems in Gyalrong languages are highly complex, comprising more
than ten basic TAME forms, augmented by periphrastic TAME categories and
secondary affixes. A satisfactory description of the TAME of any such language
therefore requires a book-length monograph. The present study is of more limited
scope: studying the tripartite evidential contrast in the present imperfective of sta-
tive verbs. This choice has three motivations.

First, the tripartite evidential contrast between Factual, Sensory and Egophoric
only exists in the present, since the Egophoric marker is incompatible with past and
future tenses (see § 1). Second, stative verbs have fewer TAME distinctions than
dynamic verbs. Third, stative verbs, having only one core argument, present fewer
interactions between person and evidentiality than transitive verbs.

By focusing on such a restricted topic, we isolate the evidential contrast, and
study minimal pairs which have exactly the same tense, aspect and modality pa-
rameters, to avoid any possible interference which could make the analysis of the
semantic contrasts more difficult.

This paper studies the tripartite evidential contrasts in the three main construc-
tions relevant to the topic at hand: declarative clauses, interrogative clauses, and
reported speech. It systematically discusses the semantic differences between the
three categories and their relationship with person marking.

As evidential markers require a very clear context, elicited examples have been
avoided in the present paper, which contains data coming either from narratives
or from conversations.2

2. The examples are taken from a corpus that is progressively being made available on the
php?lg=Japhug). Some examples are taken from stories translated from Chinese (systematically
identified by the label “translation” before the reference of the story), but have been rechecked
thoroughly and no example suspect of containing a calque from Chinese has been included. Note
that since Mandarin has neither evidential marking nor person indexation, calquing would have
little direct interference with the topic at hand in any case.
1. Morphological categories

This section describes the morphology of evidential categories in the present tense in Japhug, as well as person indexation. The meaning of these categories is discussed in § 2 and § 3.

1.1 The tripartite system

Stative verbs have only three distinct forms in the present imperfective: the Factual Non-Past, the Sensory Imperfective, and the Egophoric Imperfective Present, henceforth referred to as Factual, Sensory, and Egophoric. Although the three forms require stem alternation in the case of transitive verbs with singular subject and third person object (see Sun 2000; Jacques 2014: 267), no stem alternation occurs with stative verbs. Therefore, these forms are only marked by affixation for this verbal category.

The Sensory form is built by combining the stem with the prefix ɲɯ- (in the negative ɯ́j-), the Egophoric with the prefix ku- (its negative form is ɯ-ku-), and the Factual which has no prefix, and consists of the bare stem (its negative form is marked by the prefix ɤ-), as indicated in Table 1. Some verbs also form their Imperfective with the prefixes ɲɯ- or ku-, and have thus syncretisms (for instance, the Imperfective 3sg of rga 'be happy' and ŋgɤr 'be narrow' are ɲɯ-rga and ku-ŋgɤr respectively, and identical with the corresponding Sensory and Egophoric forms respectively).

Table 1. The three present evidential forms of stative verbs in Japhug

<table>
<thead>
<tr>
<th>Form</th>
<th>Regular stative verb</th>
<th>Existential verbs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(pe 'be good')</td>
<td>(tu 'exist')</td>
</tr>
<tr>
<td>Factual</td>
<td>pe</td>
<td>tu</td>
</tr>
<tr>
<td>Factual, negative</td>
<td>ɯɤ-pe</td>
<td>me</td>
</tr>
<tr>
<td>Sensory</td>
<td>ɲɯ-pe</td>
<td>yrzu</td>
</tr>
<tr>
<td>Sensory, negative</td>
<td>ɯ́j-pe</td>
<td>ɯɤr</td>
</tr>
<tr>
<td>Egophoric</td>
<td>ku-pe</td>
<td>ku-tu</td>
</tr>
<tr>
<td>Egophoric, negative</td>
<td>ɯɯ-ku-pe</td>
<td>ku-ɯ-me</td>
</tr>
</tbody>
</table>

The existential verbs tu ‘exist’ and me ‘not exist’ have suppletive Sensory forms yrzu ‘exist.sens’ and ɯɤr ‘not exist.sens’. The suppletive verbs have irregular second person forms (ɤvr yrzu and mataɲe respectively, see Jacques 2012).

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3. Thus, despite the fact that me forms its Imperfective with the prefix ɲɯ-, there is no ambiguity with the Sensory.
A fourth category is also possible in the present tense, the Imperfective, but it has an inchoative meaning, and turns a stative verb into a dynamic one (for instance the imperfective *tu-pe* IPFV-be.good means ‘it becomes better/ good); it will therefore not be considered in this paper.  

The Sensory and the Factual are not restricted to present tense. Sensory is also used in past tense imperfective, and the Factual in future tense, with various aspectual meanings. These uses will not concern us in the present paper.

In addition to verbal morphology, evidentiality and epistemic modality are partially marked by sentence final particles such as *kʰi* ‘hearsay’ and *tʰay* ‘probably’. The interaction between these particles and the three-way evidential marking is deferred to further research.

### 1.2 Person indexation

Stative verbs are a subclass of intransitive verbs, and can only index one argument, the intransitive subject (S), following the paradigm in Table 2 (the symbol Σ represents the verb stem, following the kirantologist tradition initiated by van Driem 1993). Third person singular is zero-marked. The possessive prefixes, found on nouns and on some non-finite verb forms, are also indicated for comparison.

<table>
<thead>
<tr>
<th>Person</th>
<th>Indexation affixes</th>
<th>Possessive prefixes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1SG</td>
<td>Σ-a</td>
<td>a-</td>
</tr>
<tr>
<td>1DU</td>
<td>Σ-tei</td>
<td>tei-</td>
</tr>
<tr>
<td>1PL</td>
<td>Σ-j</td>
<td>ji-</td>
</tr>
<tr>
<td>2SG</td>
<td>tu-Σ</td>
<td>ny-</td>
</tr>
<tr>
<td>2DU</td>
<td>tu-Σ-ndzi</td>
<td>ndzi-</td>
</tr>
<tr>
<td>2PL</td>
<td>tu-Σ-nu</td>
<td>nu-</td>
</tr>
<tr>
<td>3SG</td>
<td>Σ</td>
<td>u-</td>
</tr>
<tr>
<td>3DU</td>
<td>Σ-ndzi</td>
<td>ndzi-</td>
</tr>
<tr>
<td>3PL</td>
<td>Σ-nu</td>
<td>nu-</td>
</tr>
</tbody>
</table>

Although stative verbs can only index one argument, some of them are semi-transitive and can take a second absolutive argument (noun phrase or complement clause), for instance *mkhrz* ‘be expert’ (Jacques 2016a: 275):

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4. This is actually, together with the fact of having an infinitive in *kuu-* instead of *kɤ-* (Jacques 2016a: 227), one of the defining properties of stative verbs in Japhug.
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(1) ɯ-ŋmaka jx-kui-ye nui ζɔŋβzu
3SG.POSS-husband PFV-NMLZ:S/A-come[II] DEM carpentry
mkʰʁyz tʃee
be.expert:FACT LNK
‘Her husband (who came to live in her family) is very good at carpentry.’
(14-tApitaRi, 273)

Semi-transitive stative verbs are however very few, and the second absolutive argu-
ment is nearly always third person. Exceptions like (2) with a second person addi-
tional argument are rare and are not considered in this paper. For the purpose of
this study, only the person of the argument indexed on the verb will be taken
into account.

(2) a-ʁi, nɤʑ oɯ-ɲɯ́ fse-a
1SG.POSS-younger.sibling 2SG qu-sens-be.like-1SG
‘Sister, do I look like you?’
(2003kongzong, 293)

2. Declarative clauses

2.1 Factual

Used in the present with stative verbs, the Factual expresses a fact regarded as true
by the speaker or belonging to generally accepted knowledge.

It is compatible with all persons, including 1SG (Examples (3) and (4), with the
suffix -a), 2SG (Example (5), with the prefix tu-), and 3SG (Example (6), no affix).

With the first person, the Factual can be used to tell something about oneself
that the addressee may not know, but which all persons familiar with the speaker
are aware of, as in (3). In Example (4), the Factual is appropriate to express the
overconfidence of the speaker in his abilities, which he believes to be obvious and
well-known.

(3) aзо nуra fse-a tʃee ζɡu-a tʃee,
1SG DEM:PL be.like:FACT-1SG LNK be.poor:FACT-1SG LNK
‘I am poor like that.’
(translation, 150824 kelaosi, 55)

(4) aзо kʊnɾ wʊma zo sɡʁaʃ-a tʃee, a-ʁi-nɯβlu
1SG too really EMPH be.smart:FACT-1SG LNK 1SG-NMLZ:S/A-cheat
kʊ-ʃʰa me,
NMLZ:S/A-can not.exist:FACT
‘I am very smart too, nobody can cheat me.’
(translation, 150830 afanti, 120)

In (5), the Factual occurs with a verb in the second person to state a fact about the
addressee considered to be obviously true by the speaker:
(5) nyzo stu zo tuu-mkhzyz tsee, tsee nyzo e-tux-nyme
    2SG most EMPH 2-be.expert:FACT LNK LNK 2SG TRANSLOC-IMP-do[III]
‘You are the best at it, do it!’

(translation, 150822 laoye zuoshi zongshi duide, 37)

In (6), the Factual is used with two adjectival verbs to describe facts about the swallow that the speaker is relatively confident in and consider to be generally well known. This use is in contrast with that of the Sensory to report facts which the speaker has less confidence in, for instance concerning animals he/she has never seen (see § 2.2).

(6) wuma zo pe tsee, sxjndxt tsee,
really EMPH be.good:FACT LNK be.cute:FACT LNK
‘(The swallow) is very nice, it is cute.’

(03-mWrmWmbjW, 6)

2.2 Sensory

The Sensory is used to express access to information through any of the senses, most commonly vision, but also hearing (7), touch (8), smell (9) and taste (10). It implies the discovery of a previously unknown fact or confirmation of an uncertain fact.

(7) tu-mbri tsee uu-skxr wuma zo juu-mphyr
ipfv-cry LNK 3SG.POSS-voice really EMPH SENS-be.beautiful
‘When it cries, its voice is very beautiful.’
(translation, 04-cuiniao, 26)

(8) juu-wy-nymyle tsee juu-mpu
ipfv-inv-touch LNK SENS-be.soft
‘It is soft to the touch.’
(19 khWlu, 25)

(9) tsee nuu tuu-nymnym-nuu tsee, crmntsho uu-di pnu-pnu-nu
LNK DEM ipfv-smell-PL LNK musk 3SG.POSS-smell COND~PST.ipfv-be
nr, uu-di juu-nymn tsee nuunu nsu uu-fsa
LNK 3SG.POSS-smell SENS-be.smell LNK DEM LOC 3SG.POSS-snare
tu-ta-nuu juu-ngryl
ipfv-put-PL SENS-be.usually.the.case
(The hunters) smell (the places where they find deer fur); if it is the smell of musk, it is very strong. And they put the snare there.
(27 kikakCi, 68)

(10) tuu-wy-ndza tsee wuma zo juu-muum juu-ti
ipfv-inv-eat LNK really EMPH SENS-be.tasty SENS-say
‘She said: ‘(These ferns, prepared this way) are very nice to eat.’
(said just after eating them; conversation 14.05.10)
Although in the above examples there is no implication that the person producing the sound or the objects mentioned in the sentences are not visible to the speaker, in these contexts vision is largely irrelevant to determine the property in question, and there is not ambiguity as to which sensory channel was responsible for obtaining the information.

Like the Factual, the Sensory can occur with all persons, including the 1sg (Examples (12) and (13)) and the second person (Example (11)).

With second person subjects, the Sensory is very commonly used to state a fact about the addressee that the speaker noticed (not something he knew previously). For instance, in contrast to (5) above in which the addressee’s (recent) actions are irrelevant, a sentence such as (11) can be used if the speaker witnessed something revealing the proficiency of the addressee.

(11) \texttt{ɲɯ-tu-mkʰɤz}  
\texttt{sens-2-be.expert}  
‘You are good at it.’ (heard in several conversations)

With first person subjects, the Sensory is not rare. It is common with verbs such as \texttt{rga ‘be happy’} whose intransitive subject is the experiencer, as in (12).

(12) \texttt{ɲɤ-tɕɯ tɕe ɲu-pe tɕe papa, azo}  
\texttt{2sg.poss-child pfv-born lnk sens-good lnk good 1sg}  
\texttt{ɲɯ-rga-a}  
\texttt{sens-be.happy-1sg}  
‘It is nice that your son is born, I am happy.’ (Tshendzin, conversation, 2013)

With non-experiencer adjectival stative verbs, it can occur if the speaker discovers something about oneself, for instance from the behavior of others as in (13).\footnote{This example is taken from the translation of Andersen’s story ‘The Ugly Duckling’, when a hunting dog appears before the eponymous character but does not bite him.}

(13) \texttt{azo ndxe ɲu-sxjloq-a tɕe, tɾɾkʰɛi kuny zo}  
\texttt{1sg on.the.other.hand sens-be.ugly-1sg lnk hunting.dog also emph}  
\texttt{kú-wy-ɨmtsuɨy-a múaj-suusɥm}  
\texttt{ipfv-inv-bite-1sg neg:sens-think[III]}  
‘I am (so) ugly that even a hunting dog does not want to bite me.’  
(translation, 140519 chou xiaoya, 86)

\footnote{This verb should not be confused with the homophonous semi-transitive verb \texttt{rga ‘like’}, from which it is demonstrably distinct, even though both are borrowed from Tibetan \texttt{dga}.}

\footnote{As pointed out by an anonymous reviewer, this example is related to use of the Sensory prefix with endopathic predicates, as in (18).}
The Sensory is also used concerning information that is somehow part of common knowledge, but that the speaker has not had the opportunity to personally confirm. For instance, it is commonly used instead of the Factual for describing facts about animals that do not live in Tibetan areas and that the speaker only knows through indirect channels. Compare for instance the forms of the stative verbs *sɤɣ-mu* ‘be terrifying’ and *mpɤr* ‘be beautiful’: they appear in the Factual when referring to spiders or flowers found in the area (14) and (16) and in the Sensory when referring to lions and gnus, which the speaker has only seen in zoos or on television (15) and (17).

(14) ęgọŋpu ęgoŋna kɤ-ti ci tu tɕe, ńnuwu wxti ṅu disaster spider NMLZ:P-say INDEF exist:FACT LNK DEM be.big:FACT DEM stọv jamar tu kū-wy-ṛtọv tɕe sɤɣ-mu. bean about exist:FACT IPFV-INV-look.at LNK DEEXP-be.afraid:FACT ‘There is one that is called ‘disaster spider’, it is big, like the size of a bean. It is terrifying to look at.’ (26 mYaRmtsaR, 151)

(15) suŋgi ṅu ṇu-sɤɣ-mu. lion DEM SENS-DEEXP-be.afraid ‘The lion is terrifying.’ (20 sWNgi, 64)

(16) ńnuwu u-muŋtọv ṅu ṃpɤr. DEM 3SG.POSS-flower DEM be.beautiful:FACT ‘Its flower is beautiful.’ (15 babW, 105)

(17) <jiaoma> ṅu ṇu-mpɤr gnu DEM SENS-be.beautiful ‘The Gnu is beautiful.’ (20 RmbroN, 128)

As in other languages of the area (Tournadre & LaPolla 2014), the Sensory form is used for endopathic sensations (pain, itch, cold, etc.) relating to the speaker, as in Example (18).

(18) tham tɕe mú-a-cʰə-a, a-mi ṇu-mpɤr. now LNK NEG:SENS-can:1SG 1SG.POSS-foot SENS-hurt ‘Now I can’t, my foot hurts.’ (21 kuGrummAG, 24)

Unlike in Lhasa Tibetan where the Sensory *dug* cannot be used for non-personal endopathic feelings (Tournadre & LaPolla 2014), this possibility is available to the Japhug Sensory. In (19), the Sensory is used in a generic sentence, when the speaker has experienced himself the feeling and recounts his experience while presenting it as a generic fact, and thus this does not count as a real example of Sensory with non-first person.
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In Example (20), which describes the effects of foot and mouth disease on cattle, the speaker infers that the cattle suffering from the disease are in pain (because of their whining), yet uses the Sensory due to the fact that she describes an event she has directly witnessed by vision and hearing.

(20) **nu-mci ky-rrwum maka múj-c⁶-nu tce nuu-mci**
3PL.Poss-saliva INF-collect at.all NEG:Sens-can-PL LNK 3PL.Poss-saliva
**tu-yryruβruβ zo nuu-nu.tce nuu-rqo nuu-mqr pm rca,**
IPFV-flow:continuously EMPH Sens-be LNK 3PL.Poss-throat Sens-hurt SPP
‘They cannot keep the saliva in their mouths, and it flows continuously. Their throats hurt.’  
(27-kharwut, 6)

In (21) likewise we have the Sensory used with *mqr* ‘hurt’ to describe an event visually witnessed by the speaker.

(21) **kuenrsqi t⁶hu-azyut ri, tce pyjkʰu u-mi nuu-mqr tce ri,**
seventy PFV-reach but LNK already 3SG.Poss-foot Sens-hurt LNK but
**nu kuńk kʰa tˢʰitsuku nuu-nxme eṭi.**
DEM also house some.things Sens-work[III] be:affirm:fact
‘He is seventy, his foot hurts already, but even like that he does all sorts of work at home.’  
(14 : tApitaRi, 49–50)

2.3 Egophoric

The Egophoric, while common in conversations, is nearly non-existent in narrative and procedural texts (outside of quotations) unlike the Factual and the Sensory. It is used to describe information that is not directly shareable, which the speaker obtains through his own “personal involvement in a state of affairs” (Floyd 2018).

In declarative sentences, Egophoric can occur with first person, in particular with stative verbs whose subject is an experiencer (as *ku-scit-i* ‘we are happy’ in (22); this is a very common form, independently heard in conversation, for instance in new year’s greetings). It is however also compatible with third person, in the case of people from the same household, with whom the speaker shares his/her life (the king – the speaker’s husband – and the servants in Example (22)), or with concrete or abstract nouns with a first person possessive prefix (as *a-ʁa* ‘my free time’ in (23)). This usage is similar to the so-called “broad scope” egophoric observed in Lhasa Tibetan and other Tibetic languages (Gawne 2017: 89).
‘The girl said: “We are very happy, the king is very kind to me, the servants are very nice.”’

(23) a zo kure a-va ku-me t uu-mgo
1SG here 1SG.poss-free.time PRS:EGOPH-not.exist INDEF.poss-food
ku-osu-βzu-a eti PRS:EGOPH-PROG-make-1SG be.AFFIRM:FACT
‘I don’t have time, I am making food.’

(Rkangrgyal, 47)

There is no syntactic rule requiring co-occurrence of egophoric marking with a first person subject or a subject with first person possessor. As shown by Example (24) with the collocation uu-grvl+me (one of whose meanings is ‘be innumerable’), the Egophoric can occur even if no first person marker is present in the clause.8

(24) ea uu-ndza uu-grvl ku-me
meat 3SG-BARE.INF:eat 3SG.poss-order PRS:EGOPH-not.exist
‘There is an immense amount of meat to eat.’ (2003 kandZislama, 129)

No example of Egophoric with second person subject in declarative sentences has been found in the corpus, nor could such an example be elicited.

In the case of experiencer stative verbs such as scit ‘be happy’ with a first person subject, there is a tripartite contrast between Egophoric, Sensory, and Factual. The following near-minimal pairs can help understand how each form is used in such a context.

(25) nute u nu-scit-a eti li t se t s e
dem:loc sens-be.happy-1SG be.AFFIRM:FACT again LNK LNK
a-zda ri nu-pe-nu,
1SG.companion also sens-be.good-PL
‘I am very happy there, the people with me are very nice.’ (140501 jingli, 149)
(26) \(n\text{u} \text{t} \text{y} \text{-} n\text{u} \ t\text{e} \text{ z} \text{o} \ n\text{d} \text{y} \text{r} \text{e}, \) **klo\text{b}ut\text{e} \text{h}i \ s\text{y}z**  
DEM PFV-be LNK 1SG on.the.other.hand elephant COMP  
\(n\text{d} \text{y} \text{r} \text{e} \text{n} \text{u} \text{-} \text{sc} \text{i} \text{t} \text{-} a \ t\text{e} \text{ a} \text{-} k^b\text{i} \text{n} \text{u} \text{-} \text{ng} \text{u} \)  
on.the.other.hand SENS-be.happy-1SG LNK 1SG.POSS-luck SENS-be.lucky  
‘Since it is like that, I am happier than the elephant, I am luckier than him.’  
(translation, 140425 shizi puluomixiusi he daxiang, 41)

(27) \(\text{x} \text{s} \text{w} \text{u} \text{-} \text{x} \text{p} \text{a} \ j\text{r} \text{-} \text{ts} \text{u} \text{-} \text{j}, \text{n} \text{u} \text{s} \text{t} \text{h} \text{u} \text{c} \text{i} \text{z} \text{o} \text{ sc} \text{i} \text{t} \text{-} \text{i}, \)  
three.year PFV-pass-1SG so.much EMPH be.happy:FACT-1PL  
amumi-j  
be.in.good.terms:FACT-1PL  
‘We have been together for three years now, we are so happy together.’  
(Norbzang 2005, 95)

In (27), the speakers (humans stranded on an island) include the addressees (râk-shasis in human shape) in the first plural, and state their happiness together as a commonly agreed fact (the first step in a plan to cheat the râkshasis), hence the use of the Factual.

In (26), the speaker, after a discussion, realizes that he is happier than the lion, and therefore chooses the Sensory. In (25) the use of the Sensory rather than the Egophoric is more subtle; the speaker, talking about her life at work, does not suddenly realizes that she is happy at work. Rather, she expressed that when thinking about it, she feels that she is happy, as opposed to the continuous consciousness of being in a state of happiness implied by the use of the Egophoric in (22).

2.4 Japhug and Tibetan

The tripartite Japhug evidential system in present tense is very similar to the one observed in Tibetic languages such as Lhasa Tibetan between the Imperfective Factual \(gi.yod.pa\.red\), Sensory \(gis\) and Egophoric \(gi.yod\) (Tournadre 2008: 295–296), though with minor differences in the use of Sensory for endopathic sensations (see Example (18) above). Surprisingly, the Japhug evidential categories are actually more similar to those of Lhasa Tibetan than some Tibetic varieties like Yolmo are (on which see Gawne 2013).

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2.5 The expression of surprise

Given the debated status of the expression of surprise and its relationship to evidentiality (Hill 2012; DeLancey 2012; Aikhenvald 2012), it is useful to provide data on the mirative use of the Sensory evidential in Japhug.

Japhug has two interjections specifically used to express surprise (amaŋ and mtsʰɤri, the second being of Tibetan origin). When the predicate of the sentence is a stative verb, it is possible to select the Sensory evidential as in (28), as expected for a visual perception. This use of the Sensory evidential is what motivated its analysis as a mirative marker in some languages (Hill 2012).

(28) amaŋ, nuu-stʰɯci nuu-mbro
interjection:surprise so.much sens-be.high
’It is so high!’  (translation, 150826 liyu tiao longmen, 75)

Another possibility is to use a non-finite verb form, the degree noun (built by combining a possessive prefix coreferent with the subject with the -tɯ- nominalization prefix, see Jacques 2016b: 10–11), focusing on the surprisingly high degree of the observed property as in Example (29).

(29) amaŋ, nɯ uɯ-tɯ-syre,
interjection:surprise dem 3sg-nmlz:degree-be.funny
mtshɤri, uɯ-tɯ-symtshiɾu nuu
interjection:surprise 3sg-nmlz:degree-be.surprising sfp
’It is so funny, so surprising!’  (translation, 150830 baihe jiemei, 112)

3. Interrogative clauses

Like most languages of the Tibetosphere, interrogative sentences generally adopt the perspective of the addressee rather than that of the speaker, causing a phenomenon referred to as ‘anticipation rule’ (Tournadre & LaPolla 2014: 244) or ‘flipping’ (San Roque et al. 2017): the speaker anticipates the answer of the addressee and uses the form that he expects the addressee will choose in responding to the question. For instance, in Example (30), the speaker uses the Factual because she expects an answer with the Factual such as suu-a know:fact-1sg ‘I know’.

(30) nɯj uɯ-tɯ-suʔ?
2sg qu-2-know:fact
’Do you know that?’  (19 GzW, 8)

As a result of this change of perspective, compatibilities between evidential markers and first vs second person are always reversed between declarative and interrogative
sentences. In particular, as discussed in § 2.3, the Egophoric is used with a first person subject or a third person subject with first person possessor (or belonging to the same household as the speaker) in declarative sentences, never with a second person subject. In interrogative sentences, this person constraint is reversed: the Egophoric appears with second person subject (as in Example (31)) or third person with second person possessive prefix.

(31) ‘u-u-tu-scit-nuw?’ ra to-ti,
qu-prs:egoph-2-be.happy-pl pl evd-say
She said: ‘Are you (and your husband) happy?’ (The frog 2002, 121)

The addressee perspective however is not a syntactic rule. The addressee is free to adopt the evidential form suggested by the speaker who asked the question, or to choose another form if he sees fit: see Garrett & Bateman (2007) for an account of this phenomenon in Tibetan. It is also possible to have in the same question two verbs referring to the addressee with the Egophoric in one case and the Sensory in the other, as in (32).

(32) wo, u-u-tu-pe, u-u-nu-tu-cha nura ntsu to-ti
interj qu-egoph:prs-2-be.good qu-sens-2-be.fine dem:pl always ifr-say
‘(The fox) said (to the deer) ‘Are you feeling well, are you fine?’
(translation, 140425 shizi huli he lu, 16)

Sentences (33) and (34) illustrate the difference of use of the Sensory and Egophoric forms in third person subject interrogative contexts. These questions expect answers in the Sensory and Egophoric forms respectively. Question (33) was asked when I phoned from my parents’ home (when I came for the holidays). The Sensory is used because my parents and I do not live in the same household, and the expectation was that I had just realized whether or not they were well after having arrived at their place.

Question (34) on the other hand, asked about my son, expects an answer in the Egophoric because since I live with him in the same house, I always know whether he is fine or not (I did not ‘discover’ whether he was fine at a certain point).

(33) ny-mu ny-wa ni u-u-nu-pe-ndzi?
2sg.poss-mother 2sg.poss-father du qu-sens-be.good-du
‘Are your parents well?’ (conversation 2014.12)

(34) ny-teu u-u-ku-pe?
2sg.poss-son qu-egoph-be.good
‘Is your son well?’ (conversation 2014.02)

The Factual would not be appropriate in these contexts because neither involve a permanent state part of common knowledge.
4. Reported speech

Hybrid Indirect Speech is a well-established feature of Tibetic languages (Tournadre 2008), and has also been documented in Gyalrongic languages, in particular Japhug (Jacques 2016a: 241–244) and Stau (Jacques et al. 2017). Examples (35) and (36), taken from Jacques (2016a: 242–3), illustrate the effects of Hybrid Indirect Speech on person indexation and pronouns. As in Tibetan, the verb form represents the point of view of the original speaker (highlighted in blue in the following examples), while the pronouns and possessive prefixes represent that of the current speaker (highlighted in red).

(35) ma ny-wa ku [nɛzo nuyi] ky-suso ku kʰa
LNK 2SG.POSS-father ERG 2SG come.back:FACT INF-think ERG house
u-rku tɕ ɛmar ɕsu-ttxur pa-su-lrt
3SG.POSS-side LNK soldier three-circle PFV:3→3’-CAUS-throw
citi tɕe
be.AFFIRM:FACT LNK

Direct: ‘Your father, thinking “He is coming back”, put three circles of soldiers around the house.’
Indirect: ‘Your father, thinking that you are coming back,’
Hybrid indirect: ‘Your father, thinking that “you” is coming back,’
(qachGa 2003, 154)

In (35), the 2sg pronoun nɛzo normally requires a verb in second person form tuu-nuyi 2-come.back:FACT ‘you are coming back’; the use of the third person nuyi ‘he is coming back’ reflects the point of view of the original speaker (the father), while the pronoun nɛzo represents that of the current speaker. Example (36) shows that the shift in speaker perspective applies not only to pronouns, but also to possessive prefixes.

(36) tɛndsre ta-ɭi nuu ku [u-ɭi yu
LNK INDEF.POSS-younger.sibling DEM ERG 3SG.POSS-elder.sibling GEN
u-ɭi tu-nym-a ra] ny-su-so tɕe,
3SG.POSS-revenge IPFV-make[III]-1SG have.to:FACT IFR-think LNK

Direct: ‘The (younger) sister thought “I have to get revenge on my brother”.
Indirect: ‘The (younger) sister, wanted to get revenge on her brother.’
Hybrid indirect: ‘The (younger) sister, thought I, have to get revenge on her brother.’
(translation, xiong he mei, 17)

The presence of Hybrid Indirect Speech is never obligatory; Direct Speech is always a possibility, and moreover since pronouns are not overt in most quotations in our
Egophoric marking and person indexation in Japhug corpus, it is rarely possible to distinguish between the two, since the verb form, the only obligatory element, will be the same regardless.\(^{10}\)

The shift of viewpoint caused by Hybrid Indirect Speech has effect not only on person marking, but also on person-sensitive evidential marking.

Examples (37) and (38) are from two versions of the same story, translated from Chinese. The first translation (37), uses Direct Speech: *a-teʰa maka ku-me* 'I do not have any news': the possessor of the inalienably possessed abstract noun *-teʰa* corresponds (in this construction with an existential verb) to the person who receives the information, not the person whom the information is about.\(^{11}\)

\begin{verbatim}
(37) "nŋ-tɛu nnu u u-mu kɝ-nuzduŋ kɯ, 2sg.poss-son dem erg dem 3sg.poss-mother inf-worry-about erg kʰa na-βde tɛe jɤ-ari ɛti tɛe, ɲɯtɛu … house pfv:3→3'-leave lnk pfv-go[II] be:affirm:fact lnk where nuu-ari mɤxxsi ma a-teʰa maka pfv-go[II] neg:genr:know lnk 1sg.poss-news at.all ku-me" to-ti
  egoph:prs-not.exist ifr-say
  ‘Your son left out of grief, I don’t know where he went, I don’t have any news (from him).’
\end{verbatim}

The second version (38) uses Hybrid Indirect Speech, and we observe a mismatch between the possessive prefix on the noun *u-teʰa* (third person) and the Egophoric form of the predicate.

\begin{verbatim}
(38) "nŋ-tɛu nnu u u-mu kɝ-nuzduŋ kɯ 2sg.poss-son dem erg dem 3sg.poss-mother inf-worry-about erg tɛe kʰa na-βde tɛe, jɤ-α<nuu>-ri ɛti tɛe, maka lnk house pfv:3→3'-leave lnk pfv<-auto>go[II] affirm:fact lnk at.all u-teʰa ku-me" nɯ-ti ɛti.
  3sg.poss-news egoph:prs-not.exist sens-say affirm:fact
  ‘Your son left out of grief, he went (away) on his own,
Direct: ‘I don’t have any news (from him).’
Indirect: She (his wife) does not have any news (from him).
Hybrid indirect: She (his wife) don’t have any news (from him).
\end{verbatim}

(translation, fushang he yaomo, 101–103)

\(^{10}\) Indirect Speech is also marginally attested in translations from written Chinese.

\(^{11}\) In the original text, the corresponding clause *一直没有消息* ‘there has not been any news (since then)’ has no explicit person marker; person marking and evidential markers here cannot be due to calquing from Chinese.
In this construction, the possessive prefix on `-tʰa` can only refer to the person who receives the information, not the person the information is about. Thus, a sentence such as (39) cannot be translated as ‘X did not receive any news from him’.

(39) \textit{u}-tʰa \textit{pu}-me  \\
3SG.POSS-news PST.PFV-not.exist  \\
‘He has not received any news/answers.’  \\
(elicited)

The verb form \textit{ku-me} with the Egophoric represents the point of view of the original speaker (the first wife), while the possessive prefix on the noun represents the point of view of the current speaker, for whom the original speaker is third person.\(^{12}\)

Example (40) illustrate the converse situation, with the Sensory used with the first person. The verb \textit{nuu}-kʰe 'he is stupid' is a third person form in the Sensory, while the pronoun \textit{azo} is first person (in direct speech, the third person pronoun \textit{u}zo 'he' instead would have been expected).

(40) \textit{azo }\textit{nuu}-kʰe \textit{a}-m\textit{nu}-suso-n\textit{nu}  \\
1SG SENS-be.stupid IRR-NEG-PFV-think-PL  \\
Direct: ‘Let us hope that they will not think, “He is stupid”.’  \\
Indirect: ‘Let us hope that they will not think that \textit{I am stupid}.’  \\
Hybrid indirect: ‘Let us hope that they will not think that \textit{I is stupid}.’  \\
(translation, huangdi de xinzhuang)

In addition to mismatch in person indexation, the evidential form of the verb – the Sensory \textit{nuu} – also expresses the point of view of the original speaker, namely the words that the current speaker attributes to other people. It does not imply that the speaker discovers a fact about himself (unlike examples like (13) above), since he does not consider himself to be stupid.

Future research on Japhug narratives will hopefully reveal converse examples with a verb in Egophoric form in reported speech combined with a third or second person pronoun or possessive prefix.

\(^{12}\) Note however that the first sentence in Example (38) is in Direct Speech, as shown by the second person prefix \textit{nu}- on the noun \textit{-teu 'son'}. If this sentence were in Hybrid Indirect Speech, we would instead have the perspective of the current speaker, and use a first person possessive prefix \textit{a-teu 'my son'}.  

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Conclusion

This paper is the first step towards a comprehensive description of the evidential system in Japhug, and of that of Rgyalrong languages in general. Focusing on a narrow topic, stative verbs in present tense, it presents the use of the tripartite evidential system in this context (Factual, Sensory, Egophoric) and their interaction with person indexation. It shows that the use of the Egophoric marker in declarative clauses, interrogative clauses and reported speech cannot be described by a syntactic rule, and is only indirectly related to person indexation. Future research will have to study the evidential contrasts of Stative verbs in past tense, and then extend this study to dynamic intransitive and transitive verbs.

Japhug and other Rgyalrong languages, which combine a Tibetan-like evidential system with polypersonal indexation on the verb, provide a testing ground for studying the interaction between evidentiality and person in cross-linguistic perspective.

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Abbreviations

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<td>anticausative</td>
<td>antipassive</td>
<td>applicative</td>
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References


Author’s address

Guillaume Jacques
Southwest University (ICLD) & CNRS (CRLAO)
21 rue de la glacière
75013 Paris
France
rgyalrongskad@gmail.com

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