

## 8 Valency-changing derivations in Dulong/Rawang

RANDY J. LAPOLLA

### 1 Introduction

Dulong/Rawang is a Tibeto-Burman language spoken on both sides of the China/Myanmar (Burma) border just south and east of Tibet. In China, the people who speak this language for the most part live in Gongshan county of Yunnan province, and belong either to what is known as the 'Dulong' nationality (pop. 5,816 according to the 1990 census), or to one part (roughly 6,000 people) of the Nu nationality (those who live along the upper reaches of the Nu River – the part of the Salween within China). Another subgroup of the Nu people, those who live along the lower reaches of the Nu River (in China), speak a language called 'Anung' which seems to be the same as, or closely related to, the Kwinpang dialect spoken in Myanmar, so should also be considered a dialect of Dulong/Rawang.<sup>1</sup> Within Myanmar, the people who speak the Dulong/Rawang language (possibly up to 100,000 people) live in northern Kachin State, particularly along the Mae Hka ('Nmai Hka) and Maeli Hka (Mali Hka) River valleys. In the past they had been called 'Hkanung' or 'Nung', and have often been considered to be a subgroup of the Kachin (Jinghpaw). Among themselves they have had no general term for the entire group; they use their respective clan names to refer to themselves. This is true also of those who live in China, although these people have accepted the

I'd like to thank all those who gave me comments on the draft of this chapter presented at the International Workshop on Valency-changing Derivations (Canberra, 1997), and also the editors of this volume and Tasaku Tsunoda for comments on the written version.

<sup>1</sup> See Sun (1988) for a brief description of the Anung language. See Lo (1945), Sun (1982), Liu (1988), Dai *et al.* (1991) and LaPolla (1995b) for descriptions of Dulong dialects. Barnard (1934) is a description of the Wvdamkong dialect of Rawang, though it does not mark tones or glottal stops, and the structures presented there seem to have been influenced by the working language (Jinghpaw) used for the elicitation.

exonym 'Dulong' (or 'Taron', or 'Trung'), a name they were given because they mostly live in the valley of the Dulong (Taron/Trung) River.<sup>2</sup>

Recently, speakers of this language in Myanmar have begun a movement to use the name /*rəwɑŋ*/ (spelled 'Rvwang' in the Rawang orthographies, but 'Rawang' for this chapter) to represent all of its speakers. This name is said to be an abbreviation for *rvmèwàng* 'middle river', as the Rawang people are said to have come down from the north along the middle river (the Mekong). The speakers in China, though, continue to use the name 'Dulong'. For this reason I refer to the language as Dulong/Rawang.<sup>3</sup> In this chapter, I will be using data of the Mvtwang (Mvt River) dialect, which is considered the most central of those dialects in Myanmar and so has become something of a standard for writing<sup>4</sup> and intergroup communication, though most of the phenomena we will be discussing are general to dialects in both China and Myanmar.<sup>5</sup> I will use the short form 'Rawang' in referring to this dialect.

### 2 Verb classes

In Rawang there are three classes of verb: intransitives, which can be used transitively only when they take valency-increasing morphological marking

<sup>2</sup> The name 'Nung' ~ 'Anung' (< Rawang *Nòng*) seems to be related to one of the Rawang names for the Salween, *Tinòng* 'Brown River', a place where the Rawang people are said to have settled for quite some time before moving further west. In the past, the Dulong River, particularly the upper stretches, was known in Chinese as the Qiu River, and the Dulong people were known as the Qiu, Qiuzi, Qiupa or Qiao.

<sup>3</sup> The actual number of dialects of Dulong/Rawang that exist and the relationships among them still need to be worked out, but it seems there are at least seven major dialects: Mvtwang, Wvdamkong, Longmi, Dvru (Ganung), Dulong, Tangsarr and Kwinpang (Anung). Within the Dulong dialect it is also possible to distinguish at least four subvarieties: First Township, Third Township, Fourth Township and Nujiang Dulong. The differences among these subvarieties are rather minor, and so all are mutually intelligible. The dialect picture is actually not neatly divided between Chinese and Myanmar dialects, as Third Township Dulong and Dvru (spoken in Myanmar) are both very conservative phonologically, while the First Township, Fourth Township and Nujiang varieties of Dulong share phonological innovations with other dialects in Myanmar.

<sup>4</sup> A system of writing using the Roman alphabet and a few other symbols was developed by the American missionary Robert H. Morse (see Morse 1963 for an analysis of Rawang phonology), and is in common use among the Rawang people. This system will be used in this chapter. Most letters represent the standard pronunciations of English, except that *i* = [i], *v* = [ə], *a* = [a], *o* = [u], *q* = [ʔ] and *c* = [s] or [ts] (free variation; historically [ts]). Tones are marked as follows (using the letter *a* as a base): high tone, *á*; mid tone, *â*; low tone, *à*. All syllables that end in a stop consonant (-p, -t, -ʔ, -k) are in the high tone. Open syllables without a tone mark are unstressed. A colon marks non-basic long vowels.

<sup>5</sup> The data used for this chapter are from a number of different speakers, though mainly from James Khong Sar Ong and Meram Rawang, both native Mvtwang speakers from Kachin State, Myanmar. I would like to thank them for their assistance.

(e.g. *ngāē* 'to cry');<sup>6</sup> transitives, which can be used intransitively only when they take valency-reducing morphological marking (e.g. *riōē* 'to carry (something)'); ambitransitives (labile verbs), which can be used as transitives or intransitives without morphological derivation (*vmōē/vmē* 'to eat').<sup>7</sup> The citation form for verbs is the 3rd person non-past affirmative/declarative form; intransitives take the non-past affirmative/declarative particle (*ē*) alone, while transitives take the non-past 3rd person O marker (*ō*) plus the non-past affirmative/declarative particle (*ē*). A second difference between intransitive and transitive verbs is that in transitive clauses the agentive marker generally appears on the NP representing the A argument.<sup>8</sup> In past-tense clauses (with 3rd person O arguments), transitives can be distinguished from intransitives by the appearance of the transitive past-tense marker (*-à*) instead of the intransitive past-tense marker (*-i*). We will discuss derived transitives and intransitives below.<sup>9</sup>

Ambitransitive verbs are verbs that can be used either as transitives (and so take the 3rd person transitive tense markers) or as intransitives (and take the intransitive past-tense marker), without requiring any other morphological derivation. There are both S = O types and S = A types. With the S = O type, as in (1), below, adding an A argument creates a causative, without the need to use the causative prefix. With the S = A type, use of the intransitive vs the transitive form marks a difference between a general or habitual situation and a particular situation respectively. The choice is due partly to the nature of

<sup>6</sup> Some stative intransitive verbs can take an oblique argument marked by the locative/dative marker *sṽng*, e.g. *svrē* 'to be afraid', where the stimulus is marked as an oblique argument:

ngà vḡisṽng svrēngē  
ngà vḡi-sṽng svrē-ng-ē  
1sg dog-LOC afraid-1sg-N.PAST  
I'm afraid of dogs

<sup>7</sup> I have found one case where there are two verbs with the same meaning, one transitive and the other intransitive. These are the verbs for 'arrive': *hōq* (*hoqōē*) is transitive, *tuq* (*tuqē*) is intransitive: *ngà tukngē* 'I arrived'; *ngài Yānggūng hōk yṽngà* 'I have been to Yangon'. This shows that transitivity is a salient grammatical category in this language, unlike in many other Sino-Tibetan languages (e.g. Chinese, Lahu; see Matisoff 1976: 413 on the non-salience of transitivity as a grammatical category in Lahu).

<sup>8</sup> Morse (1965: 348) analysed the appearance of the verbal suffix *-ō* as a necessary criterion for a clause to be transitive, and so argued that only clauses with 3rd person O arguments were transitive. I have chosen to analyse this suffix as marking a 3rd person O argument (from a comparison with other dialects, it seems this form comes from the 3rd person form of the verb 'to do'), and consider clauses that do not have 3rd person O arguments as transitive if the NP representing the A argument can take the agentive marker. To avoid confusion, I have generally used examples involving 3rd person O arguments in this chapter.

<sup>9</sup> The transitive verb marking can also be added to some nouns to make transitive cognate noun-verb combinations, e.g. (*àng*)*chēr chērōē* 'grow wings', *pvlū pvlūōē* 'lay out a mat'. (Neither the causative nor applicative markers are used to make verbs from nouns.)

the O, and partly to the nature of general vs specific action. I.e. if the O is specific, then the transitive form must be used, but if the O is non-specific, it is not necessary to use the intransitive form. If no O is mentioned, then usually the intransitive form is used. Some examples are given in (2):

- (1) S = O type
- |     |                 |                               |                   |                    |
|-----|-----------------|-------------------------------|-------------------|--------------------|
| (a) | <i>gvyaqē</i>   | 'be broken, destroyed'        | <i>gvyaqōē</i>    | 'break, destroy'   |
| (b) | <i>gvyōpmē</i>  | 'be crumpled'                 | <i>gvyō:pmōē</i>  | 'crumple'          |
| (c) | <i>dvtñē</i>    | 'be broken, snapped (thread)' | <i>da:tnōē</i>    | 'break, snap' (vt) |
| (d) | <i>bvlōpmē</i>  | 'be folded'                   | <i>bvlō:pmōē</i>  | 'fold' (vt)        |
| (e) | <i>dvchōpmē</i> | 'be capped'                   | <i>dvchō:pmōē</i> | 'put cap on'       |
- (f) *mēsōgōm jaqē*  
*mēsōgōm jaq-ē*  
paper have.holes-N.PAST  
The paper has holes in it
- (g) *àngi mēsōgōm jaq bōà*  
*àng-i mēsōgōm jaq bō-à*  
3sg-AGT paper make.holes PFV-3+TR.PAST  
He made holes in the paper
- (2) S = A type
- (a) *àng vmē*  
*àng vm-ē*  
3sg eat-N.PAST  
He's eating / He eats
- (a') *àngi yālōng vmpà á:mōē*  
*àng-i yā-lōng vmpà vm-ō-ē*  
3sg-AGT this-CL rice eat-3+TR.N.PAST-N.PAST  
He is eating this rice
- (b) *àng pé zvtñē*  
*àng pé zvt-ē*  
3sg basket weave-N.PAST  
He weaves baskets (general or habitual sense)
- (b') *àngi pé tiqchvng za:tnōē*  
*àng-i pé tiq-chvng zvt-ō-ē*  
3sg-AGT basket one-CL weave-3+TR.N.PAST-N.PAST  
He is weaving a basket

Rawang seems to have only two lexical ditransitive (extended transitive) verbs: *zì* 'give' (3a) and *vī* 'tell' (3b). All other ditransitive verbs, such as another form of 'tell' (3c), *dvtānōē* 'show' (< *vtānē* 'be clearly visible'), *shvriōē* 'send' (< *rī* 'carry'), etc., are all derived using the causative construction (see (a) in §3.2.1). In both lexical and derived ditransitives, the Recipient

takes Dative/Goal (Locative) marking, while the Gift is unmarked. The Donor usually takes the agentive marker. It is not possible to use the causative prefix on *zí* 'give'; for a causative sense, the analytical causative construction must be used (see (b) in §3.2.1). There is also no construction analogous to English 'dative shift'. The order of the NPs may vary according to the information structure, but there is no change in the morphological marking.

- (3) (a) Vpūngí Vdós̀vng lègābok zìòē  
 Vpūng-í Vdós̀-̀vng lègā-bok zì-ò-ē  
 Vpung-AGT Vdeu-LOC book-CL give-3+TR.N.PAST-N.PAST  
 Vpung is giving Vdeu the book
- (b) àngkaq ngà zòngs̀vng diám èā:lòé  
 àng-kaq ngà zòng-̀vng di-ám è-̀vì-ò-é  
 3sg-LOC 1sg school-LOC go-DIR N.I-tell-3+TR.N.PAST-EXC  
 Tell him I went to school
- (c) àngkaq ngà zòngs̀vng diám wā dètáò  
 àng-kaq ngà zòng-̀vng di-ám wā dv-è-tá-ò  
 3sg-LOC 1sg school-LOC go-DIR COMP CAUS-N.I-hear-3+TR.N.PAST  
 Tell him I went to school

There are also at least three verbs that may be considered extended intransitives: *mvyó* 'to want, to like', *vdá* 'to have, to own' and *wā* 'to say' ('see', 'look at', 'hear' and 'listen to' all pattern as normal transitives). They are always intransitive, in that they cannot take the transitive tense suffixes, and the NP representing the A argument does not take the agentive marker, but they generally take two arguments, the A argument and an O argument (a clause (propositional argument) in the case of *mvyó* and *wā*), neither of which takes any kind of role marking (though the initial NP can take topic marking). Examples are given in (4):<sup>10</sup>

- (4) (a) ngà kédān lún mvyóngē  
 ngà kédān lún mvyó-ng-ē  
 1sg pen have want-1sg-N.PAST  
 I want to have a pen

<sup>10</sup> The verb *mvyó* 'to want' only takes a clausal argument. For wanting of an object rather than a propositional argument, usually the verb *shòng* 'to love, like' is used, e.g.:

(nà) kápà èshòngē  
 (nà) ká-pà è-shòng-ē  
 (2sg) Q.PN-thing N.I-like/love-N.PAST  
 What do you want?

The verb *vdá* can be used without the O argument, but then has the meaning 'to be rich'.

- (b) ngà p̀vngdāngs̀vng dī mvyóngē  
 ngà p̀vngdāng-̀vng dī mvyó-ng-ē  
 1sg below-LOC go want-1sg-N.PAST  
 I want to go downstairs/below
- (c) nōngmaq (nō) ròmnv̄ng ànglí tiqcégó vdáìē  
 nōngmaq nō ròmnv̄ng ànglí tiq-cé-gó vdá-i-ē  
 1pl TOP friend old one-ten-CL have-1pl-N.PAST  
 We have ten old friends
- (d) ngà laq dī wāē  
 ngà laq dī wā-ē  
 1sg should go say-N.PAST  
 He says I should go

The locative postposition in (4b) is on an argument of the embedded clause, not the matrix clause. The matrix verb *mvyó* follows the verb of the embedded clause directly, and no directional or other post-verbal morphology can intervene. That is, there is no tense, nominalization or person marking on the embedded clause. The intransitive nature of the verb *wā* can be seen clearly when contrasted with the homophonous verb *wā* 'to do', which is transitive:<sup>11</sup>

- (4) (e) àng wàapmi  
 àng wà-ap-ì  
 3sg say-TMDys-3+INTR.PAST  
 He said something [< wāē]
- (f) à:ngí wàapmà  
 àng-ì wà-ap-à  
 3sg-AGT do-TMDys-3+TR.PAST  
 He did something [< wāòē]

### 3 Argument-transferring derivations

There are a number of constructions for increasing or reducing the valency of verbs in Rawang, but there is no passive or antipassive construction.

<sup>11</sup> The verb *wā* 'to say' can also have the sense of a hearsay particle, as in the following two examples:

- (1) nà èdi bóì wāē  
 nà è-di bó-i wā-ē  
 2sg N.I-go PFV-3+INTR.PAST say-N.PAST  
 I heard you went (just now)
- (2) dāri dvgvp àngnōngn̄vm vshòmpè ā:lē wāē  
 dāri dvgvp àngnōngn̄vm vshò-m-pè v̄l-ē wā-ē  
 past time brothers three-M exist-N.PAST say-N.PAST  
 It is said that in the past there were three brothers

## 3.1 Valency-reducing derivations

There are two ways that transitive verbs can be intransitivized. One is by use of the intransitivizing prefix *v-*. The other is by using the reflexive/middle-marking suffix *-shi*.

## 3.1.1 The intransitivizing prefix

The main function of the prefix *v-* is intransitivization, as in (5a–b), but if the single direct argument of the derived intransitive is a plural animate argument, then the meaning is reciprocal, as in (5c–f):

- (5) (a) tá:lòē > vtīlē  
 t̄v-l-ò-ē v-t̄v-l-ē  
 roll-3+TR.N.PAST-N.PAST PREF-TOLL-N.PAST  
 to roll (vt) to roll (vi)
- (b) ngaqòē > vngaqē  
 ngaq-ò-ē v-nga-q-ē  
 push.over-3+TR.N.PAST-N.PAST PREF-push.over-N.PAST  
 push over fall over
- (c) àngmaq vshvtñē  
 àng-maq v-shvt-ē  
 3pl PREF-hit/kill-N.PAST  
 They are arguing/fighting
- (d) àngmaq vyvng kēē  
 àng-maq v-yvng-kē-ē  
 3pl PREF-see-RECIP-N.PAST  
 They are looking at each other
- (e) àngmaq shàvm kēē  
 àng-maq shv-v-vm kē-ē  
 3pl CAUS-PREF-eat RECIP-N.PAST  
 They are feeding each other
- (f) àngmaq tāsving tālē dà-zà-kē-ē  
 àng-maq t̄a-svng t̄a-lē dv-v-zà kē-ē  
 3pl (to.each.other) CAUS-PREF-feel.ill/pain RECIP-N.PAST  
 They are hurting each other

In (5c), the *v-* prefix is used alone for the reciprocal meaning. This is the normal pattern in Dulong/Rawang in general, but in the Mvtwang dialect, the verb *kē* ~ *ké* 'eat (meat), bite' has grammaticalized into an auxiliary reciprocal marker, and generally the two markers are used together. This usage is shown in (5d–f). In (5c–f) we have a combination of the causative prefix (both allomorphs; see §3.2.1(a)) and the reciprocal use of the intransitivizing

prefix. See that when two non-basic prefixes combine, in this case *shv-* ~ *dv-* and *v-*, the result is that the vowel becomes [a-], and it takes on a full tone. In (5f) we also have a 3rd marker of reciprocity, *tāsving tālē*, a phrase meaning 'to each other'.<sup>12</sup>

The *v-* prefix can function to intransitivize in order to create something like a noun incorporation structure or to mark an unexpected or unintentional action ('just happened to . . .'):<sup>13</sup>

- (6) riòē > c̄vmré vr̄vm̄i  
 r̄i-ò-ē c̄vmré v-r̄i-vm̄-i  
 carry-3+TR.N.PAST-N.PAST child PREF-carry-DIR-3+INTR.PAST  
 to carry to have become pregnant
- (7) z̄àmòē > vz̄òm̄vm̄i  
 z̄àm-ò-ē v-z̄òm-vm̄-i  
 hold-3+TR.N.PAST-N.PAST PREF-hold-DIR-3+INTR.PAST  
 to hold to happen to grab (as when grabbing for something when slipping down a hill)

The *v-* prefix is also used in some cases to derive nouns from verbs, such as *vngó* 'someone who likes to cry a lot', from *ngòē* 'to cry'; *vkó* 'thief', from *kòē* ~ *kòòē* 'to steal'.<sup>14</sup> In these cases there is also a change to high tone on the derived noun.

## 3.1.2 The reflexive/middle marker

The verbal suffix *-shi* in Rawang functions in a similar way to the reflexive construction in French, in that it marks true reflexives, as in (8a–b), and also middles, as in (8c–d):

- (8) (a) àng (nō àng) vdipshìē  
 àng nō àng vdip-shì-ē  
 3sg TOP 3sg hit-R/M-N.PAST  
 He is hitting himself

<sup>12</sup> I am unclear on the meaning of *tā*, as it only appears in this expression; *svng* is the locative/allative/dative marker in Rawang, and *lē* is possibly cognate with the allative/dative marker *le*<sup>11</sup> found in some of the Dulong dialects.

<sup>13</sup> As is common in Tibeto-Burman languages, the directional particles are often used to mark a change of state, e.g. *tē-ē* 'big', *tē-lú:ng-i* 'big-up-3+INTR.PAST' ('became big; grew up'); *dō* 'dark', *dō-da-q-i* 'dark-down-3+INTR.PAST' ('became dark (of the sky)'); *c̄vm-ē* 'small', *c̄vm-á:m-i* 'small-away-3+INTR.PAST' (or *c̄vm daq-i*) ('became small'). It may be that in these examples what the directional particles are doing is marking a change of state, e.g. that in (6) and (7) the meanings are closer to 'come to be baby-carrying' and 'come to be holding' respectively.

<sup>14</sup> As 'to steal' is an ambitransitive verb, it may be that the noun is derived from the intransitive form of that verb, and so the rule of *v-* derivation would be that when the *v-* prefix is added to a transitive verb it forms a derived intransitive, and when added to an intransitive forms a derived noun.

- (b) àng mūgwài kupshīē  
 àng mūgwà-i      kup-shi-ē  
 3sg plastic.raincoat-INST cover-R/M-N.PAST  
 He is covering himself with a plastic raincoat
- (c) àng léshì bōi  
 àng lé-shì      bō-i  
 3sg CROSS-R/M PFV-3.INTR.PAST  
 He went out.
- (d) àng vḥōshīē  
 àng vḥō-shi-ē  
 3sg laugh/smile-R/M-N.PAST  
 He is laughing (or smiling)

In most reflexives it is possible to add a pronoun representing the O argument, which will be understood as coreferential with the clause-initial NP, as in (8a). The pronoun used for this is a normal pronoun; there are no special reflexive pronouns, only special emphatic pronouns, e.g. *vdē* 'oneself' (in the sense of 'do something oneself', not 'to oneself').

The direct reflexive and the middle are semantically similar in that one and the same referent is performing and being affected by the action, but in the case of middles these two semantic aspects of the referent or the action are not as clearly distinct as for direct reflexives. Kemmer (1993) characterizes middles as involving a 'low elaboration of participants in an event' (ch. 3), or, more generally, a 'low elaboration of events' (ch. 6) relative to direct reflexives. There is a formal difference in that for middle verbs the marking is often obligatory for a certain meaning. That is, having or not having the marker on the verb will involve a change in the meaning of the verb, e.g. *lē* 'to cross' and *cṽn* 'to follow' vs *léshì* 'to go out' and *cṽnshì* 'to learn', while with direct reflexives the addition of the marker only changes the relationship between the two participants in the action. In Dulong/Rawang the semantic types of situations that are coded with the reflexive/middle marker include those that are marked with middle-voice marking in languages that have unique middle-voice marking, e.g. Old Norse, Russian and Dutch. These types include changes in body posture, emotions, cognitive actions, grooming actions and spontaneous events.<sup>15</sup>

The reflexive/middle marking is generally added only to transitive verbs, and makes them intransitive, in that the A argument can no longer take the

<sup>15</sup> See Kemmer (1993) for an in-depth discussion of middles and the categories often marked by middle marking. For more on the use of the reflexive/middle marker in Dulong/Rawang using data from the Third Township Dulong dialect, see LaPolla (1995b), and for more on middle marking in other Tibeto-Burman languages, see LaPolla (1996).

agentive suffix and the verb cannot take the transitive tense markers. Though the resulting verb is intransitive, it contrasts with intransitives formed by the intransitivizing prefix (*v-*) in that the verbs with the intransitive prefix express an action that is unintentional, while those marked with the reflexive/middle marker express an action that is intentional. Compare the examples in (9a–c) with the derived intransitives in (5a–c).

- (9) (a) tṽlshīē  
 tṽl-shi-ē  
 roll-R/M-N.PAST  
 to roll oneself (on purpose; intransitive, but with intentionality)
- (b) ngaqshīē  
 ngaq-shi-ē  
 push.over-R/M-N.PAST  
 fall over (on purpose)
- (c) yṽngshīē  
 yṽng-shi-ē  
 see/look.at-R/M-N.PAST  
 look at oneself/make oneself visible, manifest oneself (such as a spirit)<sup>16</sup>

While clauses with reflexive/middle-marked verbs are formally intransitive, an unmarked NP (representing an O argument) may appear in the clause, as in (10a–b):

- (10) (a) àng nōl tutshīē  
 àng nōl      tut-shi-ē  
 3sg fingernail cut-R/M-N.PAST  
 He is cutting his fingernails
- (b) àng mṽr zṽlshīē  
 àng mṽr      zṽl-shi-ē  
 3sg face wash-R/M-N.PAST  
 He is washing his face

These examples represent situations that seem to be transitive events, and in languages, such as English and Chinese, that do not have middle marking and represent some middle situations with prototypical transitive forms, these examples would be coded as transitives. The possessive relationship between the A argument and the bodypart must be overtly coded in English with a

<sup>16</sup> In the Dulong dialects there is a formal difference between the two meanings given for this example (which generally only holds for perception verbs): for the meaning 'look at oneself', only the reflexive/middle marker is used, i.e. *fəŋ<sup>55</sup>-cu<sup>51</sup>*, while for the more stativized meaning 'be visible, manifest oneself', the intransitivizing prefix is also added to the verb, i.e. *ɬ-fəŋ<sup>55</sup>-cu<sup>51</sup>*. If a perceiver must be mentioned in the clause, it is marked with the locative/dative postposition (*le<sup>51</sup>* in the Third Township Dulong dialect, *sṽng* in the Mvtwang dialect).

genitive construction, as in the free translations given above. In Chinese, the relationship between the possessor and possessed bodypart is not overtly coded at all, and so must be inferred, as in the following example:

- (11) wǒ yào xǐ liǎn  
1sg want wash face  
I want to wash (my) face

In Rawang, the possessor–possessed relationship must be marked by the reflexive/middle marker.

Where the O argument represented by the unmarked NP is not a bodypart, the referent will be understood as something that has some sort of strong connection with the referent of the A argument. Consider the examples in (12) to (14):

- (12) (a) àng tvwǝn vchaqòē  
àng tvwǝn vchaq-ò-ē  
3sg snow brush-3+TR.N.PAST-N.PAST  
He is brushing the snow off (something)
- (b) àng tvwǝn vchaqshīē  
àng tvwǝn vchaq-shī-ē  
3sg snow brush-R/M-N.PAST  
He is brushing the snow off (himself)
- (13) (a) à:ngí shvmó sha:tnòē  
àng-í shvmó shvt-ò-ē  
3sg-AGT mosquito kill-3+TR.N.PAST-N.PAST  
He is killing a mosquito
- (b) àng shvmó shvtshīē  
àng shvmó shvt-shī-ē  
3sg mosquito kill-R/M-N.PAST  
He is killing a mosquito (on him)
- (14) (a) àng laqtūn wǝnòē  
àng laqtūn wǝn-ò-ē  
3sg clothing buy-3+TR.N.PAST-N.PAST  
He is buying clothing
- (b) àng laqtūn wǝnshīē  
àng laqtūn wǝn-shī-ē  
3sg clothing buy-R/M-N.PAST  
He is buying himself clothing

In these cases, the sense of the reflexive/middle is more like a benefactive, doing something FOR oneself rather than TO oneself. There is still an overlapping of roles on one referent, but instead of the two roles being A and O, they are A and Benefactive.

In some cases there is a difference of tone on the verb in a direct reflexive situation as opposed to an indirect reflexive. In these cases a high tone marks a direct reflexive, while a mid tone marks an indirect reflexive. This can be seen by comparing the (a) and (b) examples in (15–16):

- (15) (a) àng nō àng vdórshīē  
àng nō àng vdór-shī-ē  
3sg TOP 3sg hit-R/M-N.PAST  
He's hitting himself
- (b) àng nō àng vdōrshīē  
àng nō àng vdōr-shī-ē  
3sg TOP 3sg hit-R/M-N.PAST  
He is hitting his own (child, etc.)
- (16) (a) nà nō nà èwáshī bói  
nà nō nà è-wá-shī bó-i  
2sg TOP 2sg N.I-do-R/M PFV-3+INTR.PAST  
You did it *to* yourself
- (b) nà nō nà èwāshī bói  
nà nō nà è-wā-shī bó-i  
2sg TOP 2sg N.I-do-R/M PFV-3+INTR.PAST  
You did it *for* yourself

In (15b) the form is that of a direct reflexive except for the tone on the verb, which marks the action as NOT a direct reflexive, so the object hit must be something other than the actor, but something closely related to the actor. In (16a–b) again the forms differ only in terms of the tone, but this makes the difference between the actor as O and the actor as Benefactive (with possibly some other assumed O).

A subtype of this indirect reflexive is when the reflexive/middle marker is used to show an alienable possessive relationship between the A and O arguments, as in (17).

- (17) Vpūng (nō) Vdósǝng lègābok zīshīē  
Vpūng nō Vdó-sǝng lègā-bok zī-shī-ē  
Vpung TOP Vdeu-LOC book-CL give-R/M-N.PAST  
Vpung gave his (own) book to Vdeu

In the case of some auxiliary verbs, the reflexive/middle marker is used on the auxiliary simply to intransitivize it to match the matrix verb in terms of transitivity. Compare the two sentences in (18).

- (18) (a) à:ngí shóng rīmā:nòē  
àng-í shóng rī-mǝn-ò-ē  
3sg-AGT tree/wood carry-continuc-3+TR.N.PAST-N.PAST  
He is continuing to carry the wood

- (b) àng yòpmv̄nshìē  
 àng yòp-mv̄n-shì-ē  
 3sg sleep-continue-R/M-N.PAST  
 He is continuing to sleep

In (18a), the main verb, *riðē* 'carry', is transitive, and so the auxiliary verb, *m̄v̄nòē* 'continue', is also transitive, but in (18b), the main verb, *yòpmē* 'sleep', is intransitive, and so *m̄v̄nòē* takes the reflexive/middle marker to make it intransitive. A number of other auxiliary verbs, such as *d̄v̄nòē* 'be about to', *m̄v̄nòē* 'be used to', *d̄v̄ngòē* 'be finished', *p̄v̄ngòē* 'begin to' and *n̄òē* 'be willing to', also follow this pattern. These verbs follow this pattern even with the different forms of the ambitransitive verbs, that is, when the ambitransitive main verb is used as an intransitive, the auxiliary verb takes *-shì*, but if the ambitransitive main verb is used as a transitive verb, then *-shì* is not used. Compare (19a–b), for example:

- (19) (a) àng v̄mdv̄ngshì b̄oi  
 àng v̄m-dv̄ng-shì b̄o-i  
 3sg eat-finish-R/M PFV-3+INTR.PAST  
 He finished eating [intransitive v̄mē 'eat']
- (b) à:ngí v̄mpàlòng v̄mdv̄ng b̄oà  
 àng-í v̄mpà-lòng v̄m-dv̄ng b̄o-à  
 3sg-INST food-CL eat-finish PFV-3+TR.PAST  
 He has finished eating the food [transitive v̄mòē 'eat']

The pattern is also followed when the main verb is nominalized, as in (20):

- (20) v̄ngaq̄lv̄m d̄v̄nshìē  
 v̄ngaq̄-lv̄m d̄v̄n-shì-ē  
 PREF-push-INF about.to-R/M-N.PAST  
 It seems like it is about to fall down

The reflexive/middle marker can also be used when one wants to stress that some expression represents a general situation or existing state rather than a specific event. Compare (21a) and (21b) below:

- (21) (a) à:ngí àngsv̄ng shv̄ngòòē  
 àng-í àng-sv̄ng shv̄ngò-ò-ē  
 3sg-AGT 3sg-LOC hate-3+TR.N.PAST-N.PAST  
 He hates him
- (b) àng n̄ò shv̄ngòshìē  
 àng n̄ò shv̄ngò-shì-ē  
 3sg TOP hate-R/M-N.PAST  
 He's hateful

Example (21a) expresses the idea that the referent feels hate towards a specific individual, while (21b) expresses the idea that he is hateful in general, not that he hates any one person in particular.<sup>17</sup> Compare now (22a) and (22b).

- (22) (a) àng sh̄vm̄ p̄eshìē  
 àng sh̄vm̄ p̄ē-shì-ē  
 3sg sword hang.on.shoulder-R/M-N.PAST  
 He is wearing a sword
- (b) à:ngí sh̄vm̄ péòē  
 àng-í sh̄vm̄ pé-ò-ē  
 3sg-INST sword hang.on.shoulder-3+TR.N.PAST-N.PAST  
 He is putting on or wearing a sword

In (22a), the situation is expressed as an on-going state rather than an action or event, while in (22b) the action is a transitive event which could involve either the putting on or the wearing of the sword (notice in English we use two different verbs for these two meanings). There is a privative opposition between the two forms, in that the transitive form can be used for either meaning, while the reflexive/middle-marked verb has only the state-like meaning. To express the meaning 'put on' without ambiguity, it is possible to use the causative prefix (see §3.2.1(a) below) together with the reflexive/middle marker, as in (22c):

- (22) (c) àng sh̄vm̄ dvp̄eshìē  
 àng sh̄vm̄ dv̄-p̄ē-shì-ē  
 3sg sword CAUS-hang.on.shoulder-R/M-N.PAST  
 He is putting on a sword

As discussed in LaPolla (1995a), it seems that the reflexive/middle marker may have at first been used only for direct reflexives, then came to be used more and more to express middle situations, i.e. came more and more to be associated with situations where there is a 'low elaboration of events', and then, when used on transitive verbs, came to have a function similar to that of a 'stativizer': diminishing the conceptual separation of the events and participants involved, making the overall event more like a state.

### 3.2 Valency-increasing derivations

There are six different ways that the valency of a clause can be increased in Rawang. There are two types of causative construction, an applicative

<sup>17</sup> Because this is also the reflexive form of the verb, it is ambiguous between the general meaning and the reflexive meaning, so for the reflexive meaning a second pronoun is often added after the topic marker: *àng n̄ò àng shv̄ngòshìē* 'He hates himself'.

benefactive, a *-t* suffix, non-use of the reflexive/middle marker on 'deponent' verbs, and the use of the verb *kèòē* 'eat (meat), bite' as an adversative marking auxiliary verb. We will discuss each construction in turn.

### 3.2.1 Causative constructions

There are two unrelated types of causative marking: a verbal prefix (*shv-* ~ *dv-*) and an analytical (periphrastic) causative construction involving the verb *dvzír* 'send'.

(a) *The causative prefix* The main morphological means for deriving causative verbs is adding the causative prefix (*shv-* ~ *dv-*).<sup>18</sup> The verb in a causative involving the causative prefix can represent a state, a process or an action, and can be intransitive or transitive, but not ditransitive. A causative formed by the verbal prefix can generally be either a direct causative (actually bringing about a change of state or directly causing or helping a causee perform an action) or an indirect causative (having someone do something, but without the causer being physically involved as in the direct causative). There is no difference whether the causee is willing to perform the action or not, whether the action was accidental or not, or whether the causee is in control or not. The causative of an intransitive verb becomes a transitive verb, taking on the transitive tense marking, and the NP representing the A argument can take the agentive marking. In some cases a locative-marked argument in the intransitive takes the instrument marker in the causativized form (see (28a–b) for example). With the causative of a transitive verb, the NP representing the causer can take the agentive marker, the NP representing the A argument (the causee) often takes the dative/locative marker, and the NP representing the O argument is unmarked. The causative prefix is not used for applicatives or to derive verbs from nouns, and it is not used on ditransitives (though it is used to create ditransitives). The analytical causative

<sup>18</sup> In the Dulong dialects of Dulong/Rawang, there is clear phonetic conditioning on the two forms of the causative prefix (*tu<sup>h</sup>-* and *su<sup>h</sup>-*): the form *tu<sup>h</sup>-* is used before voiceless fricative initials, while *su<sup>h</sup>-* is used before all other initials. I have not found any such phonetic conditioning in the Rawang dialects. I have also not found Morse's (1965: 348) statement that *dv-* is used mainly on intransitives to be correct. One factor that may be involved is that some verbs can take both prefixes, but then only *shv-* has a causative meaning, while *dv-* has the sense of 'able to [Verb]', e.g. *lèē* 'to cross (a stream, etc.)', *dv-lèē* 'to be able to cross', *shv-lèòē* 'make (him) cross' (it can be seen from these examples that when *dv-* has this meaning it does not transitive the verb). The causative prefix clearly derives from the Proto-Sino-Tibetan causativizing/transitivizing \*s- prefix (see for example Benedict 1972: 105–6; Mei 1989), but the origin of this prefix in Sino-Tibetan is not clear. The analytical causative is a relatively late development, and paralleled in many other Sino-Tibetan languages (see LaPolla 1994).

construction must be used for causatives of ditransitives. There is generally no way for the verb to remain intransitive and yet have an A argument represented, e.g. as a peripherally marked NP. The only exception to this is the possible addition of an experiencer/perceiver argument using the locative/dative postposition to certain derived intransitives of perception (see note 16). I have not found any particular syntactic or discourse functions associated with use of the causative aside from the semantic function of adding an A argument. Following are some examples:

- |          |  |   |   |
|----------|--|---|---|
| (23)     | <i>nôē</i><br><i>nô-ē</i><br>be.tame-N.PAST<br>be tame   | > | <i>shvnóôē</i><br><i>shv-nó-ò-ē</i><br>CAUS-tame-3+TR.N.PAST-N.PAST<br>to tame (an animal) (vt)     |
| (24)     | <i>vm̄ngngē</i><br><i>vm̄ng-ē</i><br>be.lost-N.PAST<br>be lost   | > | <i>shvmá:ngòē</i><br><i>shv-vm̄ng-ò-ē</i><br>CAUS-be.lost-3+TR.N.PAST-N.PAST<br>to lose (something) |
| (25)     | <i>lòm̄mē</i><br><i>lòm-ē</i><br>be.warm-N.PAST<br>be warm   | > | <i>shvl̄:mòē</i><br><i>shv-lòm-ò-ē</i><br>CAUS-be.warm-3+TR.N.PAST-N.PAST<br>to warm (something)    |
| (26)     | <i>vshat̄nē</i><br><i>vshat-ē</i><br>wake.up-N.PAST<br>wake up   | > | <i>dvshatnòē</i><br><i>dv-vshat-ò-ē</i><br>CAUS-wake.up-3+TR.N.PAST-N.PAST<br>wake (someone) up     |
| (27)     | <i>vhòm̄mē</i><br><i>vhòm-ē</i><br>meet-N.PAST<br>meet   | > | <i>dvhòmòē</i><br><i>dv-vhòm-ò-ē</i><br>CAUS-meet-3+TR.N.PAST-N.PAST<br>gather, get together        |
| (28) (a) | <i>shvr̄i tiqgō twátaq wá api</i><br><i>shvr̄i tiq-gō twá-taq wá ap-i</i><br>deer one-CL trap(n.)-LOC be.trapped TMDys-3+INTR.PAST<br>A deer was caught in a trap                |   |   |
| (b)      | <i>shvr̄i tiqgō twáí shvwá apà</i><br><i>shvr̄i tiq-gō twá-í shv-wá ap-à</i><br>deer one-CL trap(n.)-INST CAUS-be.trapped TMDys-3+INTR.PAST<br>(He) caught a deer in/with a trap |   |   |

In the causative forms in (24), (26) and (27), even though there is a combination of *shv-* ~ *dv-* and *v-*, the resulting vowel is still [ə], and not [a-], as



the *v-* here is inherent to the root form and not a derivational prefix. Only a combination of two derivational prefixes causes the vowel change. In the intransitive (28a) ('to be caught in a trap'), the NP *ṽwá* 'trap(n.)' takes locative marking, while in the causativized version in (28b) ('cause to be trapped') the same NP has instrumental marking. This example also shows that cognate verbs function morphosyntactically the same as verbs formed in other ways (see note 9). Examples (29a–c) are causatives of transitive verbs, and (29d) is an example of an intransitive verb that becomes ditransitive after causativization (the only example of this I have):

- (29) (a) ... *mvshvngshicēni svng dvkéòē, wā*  
*mvshvng-shí-cē-ní-svng dv-ké-ò-ē wā*  
 human-seed-son-du-LOC CAUS-eat-3+TR.N.PAST-N.PAST say  
 ... (and it is said he) fed the original people (the child's flesh)
- (b) *àngí Vpūng svng laqtūn dvgwāòē*  
*àng-í Vpūng-svng laqtūn dv-gwā-ò-ē*  
 3sg-AGT Vpung-LOC clothing CAUS-put.on/wear-3+TR.N.PAST-N.PAST  
 He made (or helped) Vpung put his clothes on
- (c) *àngí (àng svng) shvrī mā:nòē*  
*àng-í àng-svng shv-rī mṽn-ò-ē*  
 3sg-AGT 3sg-LOC CAUS-carry continue-3+TR.N.PAST-N.PAST  
 He makes (him) continue carrying (not 'send' here, but 'help carry')
- (d) *àngí ngà svng Yangon dētān yvngà*  
*àng-í ngà-svng Yangon dā-è-vtān yvng-à*  
 3sg-AGT 1sg-LOC Yangon CAUS-N.I-visible TMYRS+1sg-3+TR.PAST  
 He showed me Yangon (Rangoon)

As mentioned above, generally the derived causative can be direct or indirect, but if the causation is very indirect, such as in a situation where, for example, one might be said to have 'killed' someone by not saving that person when s/he was drowning, then the word for 'cause to die' (see (30a)) would not be used directly, but would be used in a paraphrastic construction meaning 'it was as if I killed him', as in (30b):

- (30) (a) *dvshōng bóngà*  
*dv-shí-ng bó-ng-à*  
 CAUS-die-1sg PFV-1sg-3+TR.PAST  
 I caused him to die (Direct action)
- (b) *ngài dvshìò dō ía:mi*  
*ngà-í dv-shí-ò dō í-ám-í*  
 1sg-AGT CAUS-die-3+TR.N.PAST ADV be-DIR-3+INTR.PAST  
 It is like I caused him to die

(b) *The analytical causative/missive* The analytical (phrasal) causative construction involves the use of the verb *dvzvr* 'send' after the main verb. This construction only has an indirect causative sense, without direct involvement of the causer, of having or letting someone do something, and the causing/letting must be purposeful, not accidental, with the causee in control, but the causee may be willing or unwilling.<sup>19</sup> The verb involved can be intransitive, transitive or ditransitive, and generally represents an action or process that requires some effort rather than a state, for which the causative prefix is more generally used. The analytical causative can also be used together with the direct causative to express a double causative or permissive and causative. Examples of the three causative possibilities are given in (31) for intransitives and (32a–c) for transitives. The marking of noun phrases is the same as that with the causative prefix: the causer (optionally) takes agentive marking, and the causee takes the locative/allative marker (but see discussion of reflexive causatives below); (32d–e) are examples with NPs to show their marking.

- (31) (a) *dí dvzá:rò*  
*dí dvzvr-ò-ē*  
 go send-3+TR.N.PAST-N.PAST  
 to let/make (him) go
- (b) *dvdìòē*  
*dv-dì-ò-ē*  
 CAUS-go-3+TR.N.PAST-N.PAST  
 to make (him) go/walk
- (c) *dvdí dèzá:rò*  
*dv-dí è-dvzvr-ò*  
 CAUS-go N.I-send-3+TR.N.PAST  
 You let him make him go

<sup>19</sup> There is another way to express one type of having or letting someone do something, by use of the prefix *laq-*. This construction is formally a subtype of the imperative, and so functions differently from the analytical causative. Compare the two sentences below:

- (1) *Vpū:ngí bó laqdér:rò*  
*Vpūng-í bó laq-dér-ò*  
 Vpung-AGT rice INDIV-pound-3+TR.N.PAST  
 Let Vpung pound the rice [imperative]
- (2) *Vpū:ngí bó dór dèzá:ròē*  
*Vpūng-í bó dór è-dvzvr-ò-ē*  
 Vpung-AGT rice pound N.I-send-3+TR.N.PAST-N.PAST  
 You let Vpung pound the rice [non-imperative]

- (32) (a) *v̄m dèzá:rò*  
*v̄m è-dvz̄r-ò*  
 eat N.1-send-3+TR.N.PAST  
 Let him eat
- (b) *shvá:mòē*  
*shv-v̄m-ò-ē*  
 CAUS-eat-3+TR.N.PAST-N.PAST  
 He feeds him
- (c) *shv̄m dvzá:rò*  
*shv-v̄m dvz̄r-ò*  
 CAUS-eat send-3+TR.N.PAST  
 Let him feed him
- (d) *àngí Vp̄ung sv̄ng m̄gwài dvr̄rì w̄m dvzá:ròē*  
*àng-í Vp̄ung-sv̄ng m̄gwà-í dvr̄r-ì w̄m*  
 3sg-AGT Vpung-LOC raincoat-INST luggage-pl cover  
*dvz̄r-ò-ē*  
 CAUS-3+TR.N.PAST-N.PAST  
 He is making Vpung cover the luggage with the raincoat
- (e) *àngí àng sv̄ng sh̄m l̄ng dvza:ròē*  
*àng-í àng-sv̄ng sh̄m l̄ng dvz̄r-ò-ē*  
 3sg-AGT 3sg-LOC knife hold CAUS-3+TR.N.PAST-N.PAST  
 He is making him hold the knife

(c) *The interaction between causatives and reflexives* We have looked at reflexives, and we have looked at causatives, and have seen one example ((22c)) of how they can be used together. In this section we discuss a few more examples to see how the two derivations interact. Compare the three examples in (33):

- (33) (a) *àngí laqt̄un dvshúòē*  
*àng-í laqt̄un dv-shū-ò-ē*  
 3sg-INST clothing CAUS-be.dry-3+TR.N.PAST-N.PAST  
 He is drying clothes
- (b) *àng dvshúshìē*  
*àng dv-shū-shì-ē*  
 3sg CAUS-be.dry-R/M-N.PAST  
 He is drying himself
- (c) *àng laqt̄un dvshúshìē*  
*àng laqt̄un dv-shū-shì-ē*  
 3sg clothing CAUS-be.dry-R/M-N.PAST  
 He is drying his clothes

In (33a) we have a causative based on the intransitive verb *shūē* 'be dry', with distinct A and O arguments, and it means simply that the person is drying clothes on a line or somewhere else. In (33b) we have a causative-reflexive with no other O argument and a high tone, so the meaning is that the person is drying him or herself, for example by standing next to a fire. In (33c) an O argument is mentioned, and the verb is followed by the reflexive/middle marker and has a mid tone rather than a high tone, so what is being dried is the clothing, and not the person (in a sense FOR the person), but the drying of the clothes must be while the person is wearing them.

We saw above that adding the causative prefix to a transitive verb can create an indirect causative where the causer causes (or helps) the causee perform an action that is not directed at the causer, as in (34).

- (34) *àngí Vp̄ung sv̄ng laqt̄un dvgwāòē*  
*àng-í Vp̄ung-sv̄ng laqt̄un dv-gwā-ò-ē*  
 3sg-AGT Vpung-LOC clothing CAUS-put.on/wear-3+TR.N.PAST-N.PAST  
 He made (or helped) Vpung put his clothes on

Considering only the use of the causative prefix and the reflexive/middle marker, there is then a four-way contrast:

- |                         |  |
|-------------------------|--|
| (a) <i>gwá-ò-ē</i>      | 'to put on' or 'to wear'   |
| (b) <i>gwā-shì-ē</i>    | 'to wear'  |
| (c) <i>dv-gwā-ò-ē</i>   | 'to dress someone'   |
| (d) <i>dv-gwā-shì-ē</i> | 'to get oneself dressed' or 'to cause/make someone else get dressed' |

The causative form, as in (34), can also be made reflexive/middle, but different dialects of Dulong/Rawang vary somewhat in what they allow. In the Third Township Dulong dialect, if the reflexive/middle-marking suffix is also added to the verb in this construction, there are two possible outcomes, depending on whether another animate referent is mentioned or assumed in the clause. Compare (35a) and (35b) (from LaPolla 1995b):

- (35) (a) *aq̄<sup>53</sup> Joʔ su<sup>31</sup>-gua<sup>55</sup>-ɕw<sup>31</sup>*  
 3sg cloth CAUS-put.on-R/M  
 He (causes himself to) put his clothes on
- (b) *aq̄<sup>53</sup> aq̄<sup>53</sup>-mej<sup>53</sup>-le<sup>31</sup> Joʔ su<sup>31</sup>-gua<sup>55</sup>-ɕw<sup>31</sup>*  
 3sg 3sg-mother-LOC cloth CAUS-put.on-R/M  
 He had his mother put his clothes on him

In (35a), as no other causee is mentioned or assumed, then the interpretation is that the causer causes himself or herself to perform the action, in this case,

put clothes on. In (35b), which could be said of a small child, an animate causee is mentioned, and the reflexive/middle marker limits the interpretation of the situation to one where the action performed by the causee (which has been caused by the causer) is directed at or in some way affects the causer, not necessarily the causee.

It is also possible to add the reflexive/middle marking to a periphrastic causative construction, with the effect that the causer causes the causee to do something to him or herself, as in (36), where it is Pung's face that is to be washed:

- (36) aŋ<sup>53</sup>-mi<sup>55</sup> puŋ<sup>55</sup>-(le<sup>31</sup>) məɿ<sup>55</sup> tɕiʔ-ɕu<sup>31</sup> dzu:ɿ<sup>55</sup>  
 3sg-AGT Pung-LOC face wash-R/M cause  
 He made Pung wash his face

A second causative can also be added to a construction such as that in (36) if the verb involved is a basic intransitive, as in (37):

- (37) aŋ<sup>53</sup>-mi<sup>55</sup> puŋ<sup>55</sup>-(le<sup>31</sup>) ʃɔʔ<sup>55</sup> su<sup>31</sup>-kam<sup>55</sup>-ɕu<sup>31</sup> dzu:ɿ<sup>55</sup>  
 3sg-AGT Pung-LOC cloth CAUS-dry-R/M cause  
 He made Pung dry his clothes (with Pung wearing them)

Here Pung is made to dry the clothes that he is wearing; the analytic causative expresses the idea that Pung is made to do something, while the inflectional causative expresses the idea that Pung causes the clothes to become dry, and the reflexive marker expresses the idea that the clothes being dried are the ones being worn by Pung at the time of the action.

In the Mvtwang (Rawang) dialect, the equivalent of (35a) is possible (see (38a)), but for the meaning where the causer has the causee do something to the causer, the analytical causative must be used, as in (38b).

- (38) (a) àŋ laqtūn dvgwāshīē  
 àŋ laqtūn dv-gwā-shi-ē  
 3sg clothing CAUS-wear-R/M-N.PAST  
 He's putting his clothes on
- (b) àŋ nō àŋmèi laqtūn dvgwā dvzvrshīē  
 àŋ nō àŋ-mè-i laqtūn dv-gwā dvzvr-shi-ē  
 3sg TOP 3sg-mother-AGT clothing CAUS-wear send-R/M-N.PAST  
 He had his mother put his clothes on him

An interesting difference between the two dialects is that, while both dialects can express the difference between the causer having the causee doing something to the causee and the causer having the causee doing something to the

causer, the way they express these two differs. In the Dulong dialect the difference between the two types of causative is in the use of the analytical causative with the reflexive/middle marker on the main verb to express the former meaning (see (36)), and the causative prefix and the reflexive/middle marker on a transitive verb for the latter meaning (see (35b)), while in the Mvtwang dialect both meanings are expressed using the analytical causative construction, with the difference being expressed by whether the reflexive/middle marker appears on the main verb or on the causative auxiliary verb. Compare (39a) (and also (38b)) with (39b):

- (39) (a) àŋ nō Vpūngi mvr zvl dvzvrshīē  
 àŋ nō Vpūng-i mvr zvl dvzvr-shi-ē  
 3sg TOP Vpung-AGT face wash send-R/M-N.PAST  
 He is making Vpung wash his face (causer's face, not Vpung's)
- (b) àŋŋi Vpūngsvng mvr zvlshī dvzvr:rōē  
 àŋŋ-i Vpūng-svng mvr zvl-shī dvzvr-ò-ē  
 3sg-AGT Vpung-LOC face wash-R/M send-3+TR.N.PAST-N.PAST  
 He is making Vpung wash his (Vpung's) face

The marking of the NPs in the clause differs according to the placement of the reflexive/middle marker. The NP representing the A argument of whichever verb is not marked by the reflexive/middle marker can take the agentive marker, while the NP representing the A argument of a reflexive/middle-marked verb cannot take the agentive marker, but may take the locative/dative marker (and may take the topic marker if it is in initial position).

The equivalent of (37) in the Mvtwang dialect is (40):

- (40) àŋŋi Vpūngsvng laqtūng dvshūshī dvzvr:rōē  
 àŋŋ-i Vpūng-svng laqtūng dv-shū-shī dvzvr-ò-ē  
 3sg-AGT Vpung-LOC clothing CAUS-dry-R/M send-3+TR.N.PAST-N.PAST  
 He is making Vpung dry his clothes (while Vpung is wearing them)

The causative can also be used with the reflexive in situations where the reflexive/middle marker indicates a possessive relation between the A and the O (see (17) above). In example (41), below, the reflexive/middle marker indicates the fact that the book that Vpung is letting/making Vdeu hold belongs to Vpung.

- (41) Vpūng (nō) Vdói lègābok shvlvngshīē  
 Vpūng (nō) Vdó-i lègā-bok shv-lvng-shi-ē  
 Vpung TOP Vdeu-AGT hook-CL CAUS-hold-R/M-N.PAST  
 Vpung is letting Vdeu hold his book

## 3.2.2 Applicative benefactive

The only applicative construction in Rawang is the benefactive construction marked by the verbal suffix *-ã*. This form cannot be used for causative or other functions, such as for making an instrumental or locative phrase a direct argument.<sup>20</sup> It also cannot be used for comitatives.<sup>21</sup> The benefactive can apply to both transitives and intransitives. As adding the benefactive argument increases the transitivity of the verb, intransitive verbs become formally transitive, though the original S does not take agentive marking. With transitives the old O stays unmarked, and the new argument (the benefactive) is marked with the benefactive postposition (*dvptv*)<sup>22</sup> or the locative/dative postposition *s̀vng* (as with the other arguments, it may not be expressed as a noun phrase if it is recoverable from the context or person marking). Examples are given in (42a–c):

<sup>20</sup> Nouns representing instruments are marked with the agentive–instrumental–adverbial suffix (*-i*), and those representing locatives with one of the locative postpositions. For alternations of the ‘spray/load’ type, different verbs would be used in Rawang:

- (1) kvlángi mōdōch̀vng d̀v̀n dvzə̀ngòē  
kvláng-i mōdō-ch̀vng d̀v̀n dv-zə̀ng-ò-ē  
hay-INST truck-CL fullness CAUS-full-3+TR.N.PAST-N.PAST  
I fill the truck with hay
- (2) mōdōch̀vngtaq kvláng d̀v̀n z̀vngòē  
mōdō-ch̀vng-taq kvláng d̀v̀n z̀vng-ò-ē  
truck-CL-LOC hay fullness put-3+TR.N.PAST-N.PAST  
I put hay onto the truck

<sup>21</sup> For comitatives, the comitative postposition *ǹvng* is used. How it is used, together with the person marking on the verb, determine whether the added referent is treated as part of a single direct argument of the verb or as a separate oblique argument:

- (1) ngà à̀ngǹvng r̀vngē  
ngà à̀ng-ǹvng r̀vng-ē  
1sg 3sg-COMIT sit-N.PAST  
I am sitting with him
- (2) ngà ǹvng à̀ng tiq̀dō r̀vngshìē  
ngà ǹvng à̀ng tiq̀dō r̀vng-shì-ē  
1sg COMIT 3sg one-ADV sit-du-N.PAST  
He and I are sitting together

In (1), the comitative postposition appears after the second NP, and the verb agreement is singular, while in (2) the comitative postposition comes between the two NPs and the verb agreement is dual.

<sup>22</sup> The benefactive postposition can sometimes be used without adding the benefactive suffix to the verb, as in the following example:

yākōng v̀mpà n̄ v̀shə̀m̀gó dvptv luq̄ē  
yā-kōng v̀mpà n̄ v̀shə̀m̀gó dvptv luq̄-ē  
this-CL rice TOP three-CL for be.enough-N.PAST  
This bowl of rice is enough for three people

- (42) (a) ngái (à̀ng-s̀vng/dvptv) shə̀ng r̀vngā̀ngòē  
ngá-i à̀ng-s̀vng/dvptv shə̀ng r̀vng-ā-̀ng-ò-ē  
1sg-AGT 3sg-LOC/for<sup>23</sup> wood carry-1sg-BEN-1sg-3+TR.N.PAST-N.PAST  
I’m carrying wood for him
- (b) à̀ng dvptv r̀vmáhvng shvláā̀ōē  
à̀ng dvptv r̀vmá-h̀vng shvlá-ā-̀ō-ē  
3sg for field-field be.good-BEN-3+TR.N.PAST-N.PAST  
The fields are good for him
- (c) à̀ngtaq yād̀v̀ng bèlaq m̀vnòklá téā̀ōē  
à̀ng-taq yā-d̀v̀ng bèlaq m̀vnòklá té-ā-̀ō-ē  
3sg-LOC this-CL upper.garment too be.big-BEN-3+TR.N.PAST-N.PAST  
This shirt is too big for him

If there is an auxiliary verb, such as *m̀v̀nòē* ‘to continue’ or *d̀v̀ngòē* ‘to finish’, then the benefactive suffix appears after the auxiliary verb, as in (42d):

- (42) (d) à̀ngí r̀imv̀nā̀ōē  
à̀ng-i r̀i-m̀v̀n-ā-̀ō-ē  
3sg-AGT carry-continue-BEN-3+TR.N.PAST-N.PAST  
He continues carrying for someone else

In some cases the benefactive suffix has the meaning ‘instead of’, as in (43). If the name of the person in whose place the action is performed needs to be mentioned, then it is followed by either the benefactive postposition (*dvptv*) or by *tvlē* ‘exchange’.

- (43) (Vpū̀ng tvlē) à̀ngs̀vng ngṑtnā̀ngòē  
Vpū̀ng tvlē à̀ng-s̀vng ngṑt-ā-̀ng-ò-ē  
Vpung exchange 3sg-LOC mourn-BEN-1sg-3+TR.N.PAST-N.PAST  
I mourn him (instead of Vpung mourning him)

Although the suffix *-ã* generally has the function of adding a benefactive argument, in two cases from the Rawang Creation Story and one elicited example the use of the suffix does not seem to have the meaning of doing the action ‘for someone’, but more the sense of possession. These are given in (44):

<sup>23</sup> This postposition is only used for the benefactive sense of English *for*; the purposive sense of *for in*, for example, ‘I work for money’ is expressed by *rvt* ‘because’ of:

g̀v̀ms̀vng rvt b̀v̀nli ẁvngē  
g̀v̀ms̀vng rvt b̀v̀nli wā-̀ng-ē  
money for work do-1sg-N.PAST  
I work for money

- (44) (a) shvngbēi vgō vshvpmā yà:ngà rvt vpú vgō vdvmē, wāē  
 shvngbē-i vgō vshvp-ā yàng-à rvt vpú vgō  
 all-AGT head rub-BEN TMYTS-3+TR.PAST because owl head  
 vdvm-ē wā-ē  
 flat-N.PAST say-N.PAST  
 It is said that because everyone rubbed his head (rubbed him on the head  
 after he said something wise), the owl's head is (now) flat
- (b) vnō dnbøp hvm gō èlv̄māòē  
 vnō dnbøp hvm gō è-lvm-ā-ò-ē  
 bean rotten basket also N.1-step.on-BEN-3+TR.N.PAST-N.PAST  
 You stepped on (someone's) basket of fermented beans
- (c) yābok lègā kāgō iādē  
 yā-bok lègā kā-gō i-ā-ò-ē  
 this-CL book Q.PN-CL bc-BEN-3+TR.N.PAST-N.PAST  
 Who does this book belong to?

In (44a), *vshvp* 'rub' could have been used without the *-ā* suffix and have basically the same meaning. It seems that the benefactive suffix is used here because the actual direct argument (which could be marked by the locative/dative marker *svng*) is *vgō* 'head', but the person/animal to whom the head belongs is affected as well. In (44b), the benefactive is used to emphasize that the deer stepped on someone else's beans. In (44c) the benefactive suffix makes the copula transitive, giving it the sense of 'this belongs to' rather than 'this is'.

Aside from the applicative benefactive, there are other ways that a benefactive sense is accomplished. We saw above that the reflexive/middle marker in some cases has a benefactive sense, though it is unlike the applicative benefactive in that it is transitivity-reducing and limited to cases where the benefactive and the A are the same referent. The benefactive in that construction cannot take the benefactive postposition (*dvpvt*).

A third type of benefactive that is also a type of indirect reflexive developed from the grammaticalization into auxiliary verbs of the two words for 'to eat': *v̄m(ò)ē* 'to eat (rice, vegetables)', *kē(ò)ē* 'to eat (meat), bite'. These verbs are used after the main verb for an indirect reflexive sense when the action expressed by the main verb relates to doing something to or with a domestic animal (*kē*) or non-animal food (*v̄m*) that is eaten. The auxiliary verbs follow the pattern of transitive for specific actions and intransitive for general or regular, continuing actions (such as actions done for one's livelihood; see §2, and noted in (b) below). This is also a type of benefactive, but not applicative, as it does not increase the transitivity of the clause. Following are examples of this usage with different types of activities.

- (45) (a) àng kwá tiqyóm róng kēē  
 àng kwá tiq-yòm róng kē-ē  
 3sg bee one-hive put.in.hole eat-N.PAST<sup>24</sup>  
 He is raising bees for himself
- (b) àng waq nākēē  
 àng waq nā-kē-ē  
 3sg pig feed-eat-N.PAST  
 He feeds the pigs for himself<sup>25</sup>
- (c) àng ngā mit kē-ē  
 àng ngā mit kē-ē  
 3sg fish catch eat-N.PAST  
 He catches fish for himself
- (d) àng lávmē  
 àng lá-vm-ē  
 3sg cut.down-eat-N.PAST  
 He cuts down (banana trees) to get the fruit for himself
- (e) tí kvpm̄vm̄ á:miē  
 tí kvp-vm̄ ám-i-ē  
 water get-eat DIR-1pl-N.PAST  
 We go get water for ourselves
- (f) ngāmaq yúng kvtná:mì  
 ngāmaq yúng kv̄t-vm̄-i  
 1pl vegetables grow-eat-1pl  
 We grow vegetables for ourselves
- (g) àng v̄mpà wv̄nvm̄ē  
 àng v̄mpà wv̄n-vm̄-ē  
 3sg rice/food buy-eat-N.PAST  
 He is buying himself rice/food<sup>26</sup>

<sup>24</sup> The larvae of the bees are eaten, so *kēē* and not *vmē* is used; the verb *róng* 'put in a hole' is used because bees are raised in a hole in a tree.

<sup>25</sup> Compare this example with (45b):

à:ngí waq nākēòē  
 àng-i waq nā-kē-ò-ē  
 3sg-AGT pig feed-eat-3+TR.N.PAST-N.PAST  
 He is feeding the pigs (right now)

Here, as the main verb is used transitively (due to the fact that it is a specific action/event rather than a general one), the auxiliary is also transitive.

<sup>26</sup> Contrast this with the use of the reflexive/middle marker for the same situation, but involving non-edible objects:

ngà laqtūn wv̄nshòngē  
 ngà laqtūn wv̄n-shi-ng-ē  
 1sg clothing buy-R/M-1sg-N.PAST  
 I am buying myself clothes

- (h) àng nò wāvmē  
 àng nò wā-vm-ē  
 3sg wine make/do-eat-N.PAST  
 He is making wine for himself

In terms of the benefactive sense, there is then a four-way contrast:

- (a) kvtshīē 'to grow something (not eaten) for oneself' (reflexive)  
 (b) kvtnvmē 'to grow something (eaten) for oneself' (food-benefactive)  
 (c) kvtnāōē 'to grow something for someone else' (benefactive)  
 (d) vkvtnā kēē 'to grow something for one another' (reciprocal-benefactive)

### 3.2.3 Transitivity by addition of final -t

A second form of transitivity is not productive. This is transitivity by the addition of a final -t to an intransitive form. I have only one example of this type, though I believe there should be other examples, as this form of transitivity is found in closely related languages, such as Jinghpaw, and is an old Sino-Tibetan trait (see Dai and Xu 1992; Benedict 1972: 98–102; Michailovsky 1985; van Driem 1988).

- (46) (a) ngō-ē 'to cry' > ngōt-ō-ē 'to cry over/mourn someone'  
 (b) ngāi àng ngōtnōē  
 ngā-i àng ngō-t-ō-ē  
 1sg-AGT 3sg cry-transitivizer-3+TR.N.PAST-N.PAST  
 I am crying over (mourning) him

### 3.2.4 Other ways of increasing transitivity

There are two other ways that the transitivity of a verb can be increased. One is by NOT using the reflexive/middle marker on a verb for which the reflexive/middle form is the statistically unmarked form. This has the same effect as the applicative in some other languages. For example, *vhōshīē* 'laugh' has the middle as its statistically unmarked form, even though it has the intransitivizing prefix and the reflexive/middle-marking suffix, while the formally unmarked (but statistically marked) form *hōōē* 'laugh at someone' (e.g. *à:ngi àngsvng hōōē* 'He is laughing at him') is statistically and semantically more marked.

In situations where there is an adversative sense of something happening to someone that is beyond their control, the verb *kéōē* 'eat (meat), bite' can be used, often with the causative prefix as well, and this can make the sentence partly transitive, as in (47a–c). It is only partly transitive because there is no A argument that can take the agentive marker (though in some cases there is an instrumental argument, as in (47c)), as the cause of the action is generally

unknown. Semantically then, it is like a passive in emphasizing affectedness and lack of control, but syntactically it is not valency-reducing, the way passives are.

- (47) (a) àng dvgoq kéōē  
 àng dv-goq ké-ō-ē  
 3sg CAUS-hiccup eat-3+TR.N.PAST-N.PAST  
 He's hiccuping (uncontrollably) (normally àng goqē)  
 (b) (pòyaq) chapgá (gá) cvmré shvngó kéōē  
 pòyaq chapgá gá cvmré shv-ngó ké-ō-ē  
 all.night morning bright child CAUS-cry eat-3+TR.N.PAST-N.PAST  
 The children are / have been crying (all night) until morning (light)  
 (c) àng vléi mvdōng kéōē  
 àng vlé-i mvdōng ké-ō-ē  
 3sg vlé-INST stuck eat-3+TR.N.PAST-N.PAST  
 He has vlé stuck in his throat (vlé is a kind of rough food)

This usage is actually a subtype of a more general usage of the verb *ké ~ kē* 'eat (meat), bite' for an adversative sense shown in (48). It can be used for any situation where the speaker has a negative attitude towards the referent involved in the action/situation or the action/situation itself. This can be used to show empathy with someone suffering a negative situation, and so is said to be more polite in some instances, such as (48d), and also has something of a passive sense, emphasizing affectedness (e.g. (48a), where the word order marks the receiver of the scolding as the topic). In these cases the form of the verb is always transitive.

- (48) (a) àng(svng) vpèi ngvñ kéōē  
 àng-svng v-pè-i ngvñ ké-ō-ē  
 3sg-LOC 1-father-AGT scold eat-3+TR.N.PAST-N.PAST  
 He is being scolded by my father  
 (b) àng svmīi gáng kéōē  
 àng svmī-i gáng ké-ō-ē  
 3sg fire-INST hot eat-3+TR.N.PAST-N.PAST  
 He's hot from the fire  
 (c) à:ngi pàgō mà-shvbōn kéōē  
 àng-i pà-gō mà-shv-bōn ké-ō-ē  
 3sg-AGT thing-also NEG-CAUS-be.possible eat-3+TR.N.PAST  
 He's incapable of doing anything  
 (d) àngsvng tvp ké bōà  
 àng-svng tvp ké bō-à  
 3sg-LOC be.arrested eat PFV-3+TR.PAST  
 He was arrested

- (e) àng nē nē mvnəklá aq dári rvt (nèi) vrù kéòē  
 àng nē nē mvnəklá aq dár-ì rvt nē-ì  
 3sg TOP wine too drink TMhrs-3+INTR.PAST because wine-INST  
 vrù ké-ò-ē  
 drunk eat-3+TR.N.PAST-N.PAST  
 He drank too much and so is/got drunk (from the wine)

#### 4 Conclusions

We have seen that in Rawang, unlike in many other Sino-Tibetan languages, the coding of transitivity and the use of transitive vs intransitive constructions to convey different meanings are important aspects of the grammar. Aside from the different uses of the two forms of ambitransitive verbs, there are two morphological means for decreasing the valency of clauses, and six means for increasing their valency. We have also seen that a speaker may employ several different valency-increasing and valency-decreasing morphemes in the same clause to achieve different meanings through their interaction.

#### References

- Barnard, J.T.O. 1934. *A handbook of the Rawang dialect of the Nung language*. Rangoon: Superintendent of Government Printing and Stationery.
- Benedict, P.K. 1972. *Sino-Tibetan: a conspectus* (J.A. Matisoff, contributing ed.). New York: Cambridge University Press.
- Dai Qingxia, Huang Bufan, Fu Ailan, Renzengwangmu and Liu Juhuang. 1991. *Zàng-Miānyǔ shíwǔ zhōng (Fifteen Tibeto-Burman languages)*. Beijing: Yanshan Chubanshe.
- Dai Qingxia and Xu Xijian. 1992. *Jǐngpōyǔ yǐfǎ (The grammar of the Chinghpaw language)*. Beijing: Zhongyang Minzu Xueyuan Chubanshe.
- Driem, G. van. 1988. 'Reflexes of the Tibeto-burman \*-t directive suffix in Dumi Rai', pp. 157–67 of *Prosodic analysis and Asian linguistics: to honour R.K. Sprigg*, ed. D. Bradley, E.J.A. Henderson and M. Mazaudon, Pacific Linguistics C 104. Canberra: Australian National University.
- Kemmer, S. 1993. *The middle voice*, Typological studies in language 23. Amsterdam and Philadelphia: John Benjamins.
- LaPolla, R.J. 1994. 'Parallel grammaticalizations in Tibeto-Burman: evidence of Sapir's "drift"', *Linguistics of the Tibeto-Burman Area* 17.61–80.
- 1995a. 'On the utility of the concepts of markedness and prototypes in understanding the development of morphological systems', *Bulletin of the Institute of History and Philology* (Academia Sinica) 66.1149–85.
- 1995b. 'Reflexive and middle marking in Dulong/Rawang.' Paper presented to the 28th International Conference on Sino-Tibetan Languages and Linguistics. Charlottesville, Va., 6–9 October. To appear in *Himalayan linguistics*, ed. G. van Driem. Berlin: Mouton de Gruyter.
1996. 'Middle voice marking in Tibeto-Burman languages.' *Pan-Asian linguistics: proceedings of the Fourth International Symposium on Languages and Linguistics*. Vol. V. Thailand: Mahidol University.
- Liu Juhuang. 1988. 'Dùlóngyǔ dòngcí yánjiū (Studies on the Dulong verb)'. *Yǔyán yánjiū* 1988.1.176–91.
- Lo Ch'ang-p'ei. 1945. 'A preliminary study of the Trung language of Kung Shan', *Harvard Journal of Asiatic Studies* 8:343–8.
- Matisoff, J.A. 1976. 'Lahu causative constructions: case hierarchies and the morphology/syntax cycle in a Tibeto-Burman perspective', pp. 413–42 of *The syntax of causative constructions*, ed. M. Shibatani. New York: Academic Press.
- Mei Tsu-lin. 1989. 'The causative and denominative functions of the \*s- prefix in Old Chinese.' *Proceedings of the Second International Conference on Sinology*. Taipei: Academia Sinica.
- Michailovsky, B. 1985. 'Tibeto-Burman dental suffixes: evidence from Limbu (Nepal)', pp. 334–43 of *Linguistics of the Sino-Tibetan area: the state of the art. Papers presented to Paul K. Benedict for his 71st birthday*, ed. G. Thurgood, J.A. Matisoff and D. Bradley, Pacific Linguistics C 87. Canberra: Australian National University.
- Morse, R.H. 1963. 'Phonology of Rawang', *Anthropological Linguistics* 5.17–41.
1965. 'Syntactic frames for the Rvwang (Rawang) verb', *Lingua* 15.338–69.
- Sun Hongkai. 1982. *Dùlóngyǔ jiǎnzhi (A sketch of the Dulong language)*. Beijing: Minzu Chubanshe.
1988. 'Notes on a new language: Anong', *Linguistics of the Tibeto-Burman Area* 11.27–63.