Applicative and antipassive: Algonquian transitive "stem-agreement" as differential object marking

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1. Introduction

1.1 Overview

The standard Algonquianist model of transitive morphosyntax has remained essentially unchanged since Bloomfield 1946 introduced a fundamentally descriptive set of categories and terms. The analysis informing these traditional categories is problematic for a number of distinct reasons. Here we offer an alternative approach, one that accounts for the observed properties of Algonquian transitivite morphosyntax in a more concise and less language-family-specific way, while simultaneously doing away with a number of longstanding problems introduced by the traditional analysis.

The specific new claim is this: contrary to standard Algonquianist analysis, the view that the terminal element of categorically transitive stems---the morphological element known as the *transitive Final*---agrees for the grammatical gender of the internal argument is unnecessary and untenable.

What looks like stem-internal agreement for the grammatically [+animate] or [-animate] feature of the notional direct object argument---giving rise to contrast between *Transitive Animate (TA)* and *Transitive Inanimate (TI)* stems---is better identified as two respective feature-driven syntactic constructions, both of a much more cross-linguistically motivated kind: in the first case, dative-accusative syncretism, manifested by an Applicative-type structure; and in the second, antipassivization, with an instrumental-oblique notional direct object.

With this, the TA vs. TI contrast becomes an instance of grammaticalization of precisely the syntactic argument-prominence structures commonly triggered in the case of high-prominence ([+animate]) and low-prominence ([-animate]) internal arguments respectively. In short, what appears to be "stemagreement" is in fact differential object marking (Aissen 2003, inter alia).

This view of the system has not been immediately obvious because the two patterns manifest in Algonquian languages through a head-marking morphosyntax, rather than through the primarily dependent-marking strategies (i.e. nominal case- and adposition-marking) by which both are better known. The overall contribution of this new analysis is twofold: a de-exoticization of the Algonquian transitive system within the context of cross-linguistic comparison, and a removal of several problems of overgeneration and underprediction in the traditional account.

1.2 Roadmap

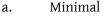
- 2 necessary background
 - Algonquian grammatical gender contrast: NA vs. NI
 - general -[...].LV (gender-sensitive light verb) verb stem derivation system
 - Primary and Secondary Objects

3 TA as an Applicative-type dative-accusative syncretism

(read basically as High Appl = head-marking dative for DAS)

4 TI as an antipassive construction

+ oblique notional direct object



$$\begin{array}{cccc} & & & \text{VP} \\ / \backslash \\ \text{LV}^{\text{NA}} \text{ (unergative)} & = & \text{v} & \text{VP} \\ & & & / \backslash \\ \text{Root (Root, nominal)} & = & \text{V} \end{array}$$

b. Derived

5 Conclusion

What it explains

- why morphosyntactic mismatch verb stem categories exist (they don't!)
- why the Algonquian Primary Object conflates notional indirect objects and direct objects,
- while the Secondary Object category covers ditransitive themes and AI+O objects
- why there are two structures for TIs, and only one for TAs
- why identically marked TA and TI stems have opposite argument-structural interpretations

2. Some preliminaries

- All data here from Penobscot, an E. Algonquian language of Central Maine
- 2.1 Algonquian grammatical gender contrast: NA vs. NI

NA = "animate" e.g. na 'that NI = "inanimate" e.g. ni 'that NI'

- Does not correspond directly to semantic animacy, though ultimately linked to it
- Will use "NA" and "NI" here in lieu of clumsy English pronominal translations
- 2.2 Light verbs and Algonquian transitivity structures
- 2.2.1 Core claims
- (1) Standard view: transitive "stem agreement" (Bloomfield 1946, Goddard 1979, etc.)

TA: Transitive Animate

nəkəlápil α nə-kəl-apil. α -[w] 'I tie NA, tie NA up, tether NA' 1-fixed-tie_TA.ThS-W

TI: Transitive Inanimate

nəkəlápiton nə-kəl-apit.o-əne 'I tie NI' 1-fixed-tie_TI.ThS-N2

Claim: "Stem agreement" (for gender of transitive notional direct object) does not exist; instead:

TA = head-marking manifestation of dative-accusative syncretism
TI = head-marking manifestation of an antipassive structure

- Gains: Works from simple light-verb-based model general to entire verbal system
 - Requires essentially no family-specific primitive categories, only rather common structural phenomena
 - Accounts for unexpected asymmetries in what is billed as an agreement system
- 2.2.2 General light verb (LV) structure of Algonquian verbal constructions
- (a) An external light verb, nearly always overt, which acts as the predicate hosting the outermost or only argument, stacked above a Root or Root complex
- (b) The internal Means or event-naming predicate (including RPs).

external LV \

internal Means/event-naming predicate [= Root, or Root complex]

- (2) General -[...].LV pattern across traditional transitives (a, b) and intransitives (c, d)
- a. TA $-\partial n.\alpha$ 'by_hand.LV^{NA}

nəpìsənα nə-pis-ən.α-[w]

'I insert NA [by hand]' 1-into-by_hand.DIR-W

b. TI -ən.əm 'by_hand.LV^{NA}

nəpísənəmən nə-pis-ən.əm-əne
'I place NI in, inside, 1-into-by_hand.LV^{NA}- N

I insert NI'

c. AI -[...].e 'NA DO...'

mánαtak^we man-αtak^w.e-[w]

'NA gathers, collects removed-evergreen_bough.DO^{NA}-W

evergreen boughs'

d. II -[...].e 'NI EXIST...'

mkwìhtəkwe məhkw-=htəkw.=[w] 'NI is a red river' red-river.LVNI-W

- A very minimal system: only need to extend gender-sensitive alternation (3) to Personsensitive alternation (4) to cover all cases
- (3) Gender-sensitive alternation in intransitive LVs

-k.i 'NA has ... form, characteristic' -k.ən 'NI has ... form, characteristic'

a. mkaséwiko məhkasew-k.i-[w]

'NA is black' black-have_form.LV^{NA}-W

b. mkaséwikən məhkasew-k.*ə*n-[w] 'NI is black' black-have_form.*LV*^{NI}-W

(4) Person/gender argument-configuration sensitivity in TA LVs

a. n
ightharpoonup the told me' n
ightharpoonup the told me'

(késihlat (GD version):45)

b. "...kətihlin†." kə-ih-l.i-əne '...you [are to] tell me (Subord)' 2-tell-RP.LV¹-N

(mətéwələnəwak kəyáhsopik:20)

- i.e. DIR, INV, LV¹, LV², etc. are all just NA-gender LVs fused with some or no pronominal features
- Contrast this single basic -[...].LV system with the standard model:

- (5) Traditional Algonquianist verb stem (verbal Final) categories (after Bloomfield 1946)
- a. Basic categories (=logical combinations of [±transitive] with [±NA])

TA Transitive Animate
TI Transitive Inanimate
AI Animate Intransitive
II Inanimate Intransitive

- in this system, verbal Finals track the gender of the notional absolutive, i.e. that of the transitive object, or of the single argument of the intransitive (but see AI+Os!)
- b. "Mismatch" categories (morphological form of (a), but opposite transitivity)

AI+O morphological AIs that take (certain kinds of) objects
OTI TIS that do/need not take an object (OTI = "objectless" TI)

- the present account will explain the mismatch categories
- 2.2.3 Primary and Secondary Objects (Rhodes 1990, Dryer 1986)
- Primary Objects conflate monotransitive Theme and ditransitive (double-object) Goal
- (6) Primary Objects
- a. monotransitive Theme

nətákam α nə-tak-am. α -[w] 'I hit NA, strike NA' (PD:447) 1-hit-RP.DIR-W

b. ditransitive (double-object) Goal

nəmíl α nal nətémisal nə-m-l. α -əne-al nə-em-s-al li give NA my dog' (PD:280) 1-give-RP.DIR-N-obv 1-dog-DIM-obv

- Secondary Objects ditransitive (double-object) Theme; "AI+O" notional direct object
- (7) Secondary Objects
- a. ditransitive (double-object) Theme

nəmílαnal nətémisal nə-m-l.α-əne-al nə-em-s-al 'I give NA my dog' (PD:280) 1-give-RP.DIR-N-obv 1-dog-DIM-obv

b. "AI+O" notional direct object

nətehsíkαpawin iyo nə-tehs-kαpaw.i-əne iyo 'I am standing on this [NI]' 1-atop-stand.LV NA -N this NI

3 Transitive Animate (TA) stems as (head-marking) dative-accusative syncretism constructions

3.1 Dative-accusative syncretism (DAS)

DAS: the marking of (notional) indirect objects being in certain cases identical to that of (notional) direct objects.

- the most well-known type of differential object marking
- poster children for dependent-marking DAS: Hindi-Urdu -ko and Spanish a
- (8) Hindi-Urdu (Butt 1995, Mohanan 1990): dative-accusative case-particle -ko
- a. Dative -ko for goal (Mohanan 1990:85:40a)

ilaa-ne mãã-ko yaah haar diyaa Ila-E mother-D this-N necklace give-PERF

'Ila gave this necklace to the mother.'

b. Obligatory -ko for animate object (Mohanan 1990:80:32, 33)

ilaa-ne bacce-ko / *baccaa uthaayaa

Ila-E child-A child-N lift/carry-PERF (= rise-CAUSE-PERF)

'Ila lifted the child.'

ilaa-ne haar uṭʰaayaa

Ila-E necklace-N lift/carry-PERF (= rise-CAUSE-PERF)

'Ila lifted a/the necklace.'

Characteristically, DAS...

- ...is sensitive to the animacy of the notional direct object:
- (9) Spanish (Bleam 2000:161-2)

a. Vi a la mujer *Vi la mujer I.saw a the woman I.saw the woman

'I saw the woman'

b. Vi a-l gato *Vi el gato
I.saw a-the cat I.saw the cat

'I saw the cat'

c. *Vi a la mesa Vi la mesa I.saw a the table I.saw the table

'I saw the table'

(10) Hindi-Urdu: see (8b) above

(11) Penobscot: [±NA]-sensitive alternation is clear; whether it is DAS is the question!

...is sensitive to the individuation of the notional direct object (cf. Ramchand 2008): (12)Hindi-Urdu -ko: specificity (?=individuation) constraints (Mohanan 1990:80:ft30) ravii (ek) gaay k^hariidnaa caahtaa hai a. (one) cow-N buv-NF wish-IMPERF be-PR Ravi-N 'Ravi wishes to buy a cow (with no particular cow in mind).' b. (ek) gaay-ko k^hariidnaa caahtaa hai ravii Ravi-N one cow-D buv-NF wish-IMPERF he-PR 'Ravi wishes to buy a (particular) cow.' (13)Spanish: parallel examples exist, but very involved, see Bleam 2000:166-186 • Pb: unindividuated notional direct object comes in as incorporated Root (14)Penobscot "incorporation" of unindividuated NA notional direct object (PD:251) mánesse man-ess.e-[w] removed-clam.DONA-W 'NA gathers clams/shellfish' • incorporated Root patterns are fairly lexical, as is common for incorporation constructions; unincorporated bare noun construction may also exist; data too limited so far... not yet committed to particular claim (non-specific, predicative, unindividuated...?) for the exact nature of the "bare" nominal element in Hindi-Urdu, Penobscot, etc., but unindividuated seems to be the strongest so far (N.B. cannot be just indefinite) ...is blocked when in competition with a "real" Goal: (15)Hindi-Urdu -ko: anti-double -ko constraint (Mohanan 1990:85:40c) baccaa /*bacce-ko ilaa-ne mãã-ko divaa child-N / child-A give-PERF Ila-E mother-D 'Ila gave a/the child to the mother.' (16)Spanish anti-double-dative constraint (Anagnostopoulou 2003:292:(382)) Cl-2DAT 3-ACC{Acc/-animate} *Cl-3ACC{Dat/+animate}/ gave-1sg 'I gave it to you / *I gave him to you.' (16)Penobscot DAS competition: NA notional direct object shifted to Secondary Object (22-23) nəmílαnal nətémisal nə-m-l.α-əne-al nə-em-s-al 'I give NA my dog' (PD:280) 1-give-RP.DIR-N-obv 1-dog-DIM-obv **Upshot:** Penobscot TA form exhibits three significant parallels with dependent-marking DAS patterns...

Q: ...but where is the adposition/case-particle, the dative element?

A: Algonquian languages are chiefly head-marking (Nichols 1986)

Key: DAS in a head-marking language would manifest as something like a High Applicative...

Claim: ...actually, any high-argument-introducing predicate (High dative-Applicative, causative, instrumental-Applicative); call these *Relational Predicates* (RPs, RPrs)

(17) Relational Predicate syntax = TA syntax

(read basically as High Appl = head-marking dative for DAS)

- exactly how RP is a bit more than just Applicative: any high Goal-introducing predicate:
- (18) TA markers as high-argument-introducing predicates (RPs)
- a. dative Applicative

nətakitámaw α nə-ak-m.t.am-aw. α -[w]

'I read it for NA' 1-count-by_voice.T.LV^{NA}-RP.DIR-W

cf. nətákitam nə-ak-m.t.am-əp

'I count' 1-count-by_voice.T.LV^{NA}-P

nətákimα nə-ak-m.α-[w]

'I count NA; I read NA 1-count-by_voice.DIR-W

(NA's intentions, ideas)'

b. other adpositional Applicative

nókihke nə-wək-əhk.e-əp
'I bark [howl, chatter, whoop...]' 1-bark-make.LV^{NA}-P

nokíhk α l α nə-wək-əhk.e-l. α -[w]

'I bark at NA' (cf. O'Meara 1990:72) 1-bark-make.LV^{NA}-RP.DIR-W

c. causative

 $\begin{array}{ll} \text{nəniwihal}\alpha & \text{nə-niw-h-al.}\alpha\text{-[w]} \\ \text{'I dry NA'} & \text{1-dry-change-RP.DIR-W} \end{array}$

d. causative-transitive

nəkəmótənala nə-kəmot-ən.e-l. α -[w]

'I steal NA' 1-thieving-by_hand.DO^{NA}-RP.DIR-W

e. directional-Applicative (see contrast with (18d))

nəkəmótənαmα nə-kəmot-ən.e-m.α-[w]

'I steal from NA' 1-thieving-by_hand.DO^{NA}-RP.DIR-W

f. instrument-naming high argument-introducing predicate

 $\begin{array}{ll} \text{nə-akehk-m.}\alpha\text{-[w]} \\ \text{'I instruct NA, teach NA'} \\ \end{array}$ $\begin{array}{ll} \text{nə-akehk-m.}\alpha\text{-[w]} \\ \text{1-teach-by_voice.DIR-W} \end{array}$

g. instrument-naming high argument-introducing predicate

nətəmamα nə-təm-am.α-[w]

'I bite NA off' 1-sever(ed)-by_mouth.DIR-W

h. instrument-naming high argument-introducing predicate

nətəmənα nə-təm-ən.α-[w]

'I break NA in two, in half (by hand)' 1-sever(ed)-by_hand.DIR-W

• Comparable to these Means/instrument-naming (e.g. 'by voice', 'by hand') high argument-introducing predicates, compare Wh. Hmong manipulational verbs in verb serialization constructions:

- (19) White Hmong manipulational verb serialization (Jaisser 1995:149; italics mine)
- a. Nws tau xuas yuam sij qhib qhov rooj lawm. s/he attain grasp key open door perf 'S/he opened the door with a key.'
- b. Nws tau *muab* yuam sij qhib qhov rooj lawm. s/he attain *take* key open door perf 'S/he opened the door with a key.'
- c. Nws tau *siv* yuam sij qhib qhov rooj lawm. s/he attain *use* key open door perf 'S/he opened the door with a key.'
- essentially set up a bipartite event structure syntax, with the "manipulated" argument introduced by the predicate of manipulation, with resultative or other semantics managed by morpholexically separate predication elements
 - \bullet Penobscot just has morphophonologically bound elements, where White Hmong has morphophonologically free ones
- Penobscot TA elements have the morphosyntax and the interpretations of high argument-introducing predicates, situated to satisfy the requirements of DAS (which might well be just that, i.e. high introduction of NA notional direct object).
 - Explains why Algonquian has only has a double-object construction (16), and no adpositional one = the same reason why Algonquian (descriptively) TA has obligatory Dative Shift (Russell 1987), i.e. ditransitive Goals are Primary Objects: DAS!

4 Transitive Inanimate (TI) stems as (head-marking) antipassive-Instrumental constructions

- Antipassives and the Instrumental/Oblique 4.1
 - Antipassive has two chief components:
 - oblique-Instrumental notional direct object (cf. -mik in (20a)) (a)
 - (b) structurally detransitivized (unergativized) verb (cf. -si in (20a))
- (20)West Greenlandic antipassive (Bittner 1987:194; italics mine)
- Jaaku ujaqqamik tigusivuq Jaaku ujarak-mik tigu-si-vu-q a.

'Iacob took stone.' Jacob(A) stone-INS take-ap-intr.indic-3sgA

b. Jaakup ujarak tiguaa Jaaku-p ujarak tigu-a-a

'Iacob took stone.' Jacob-E stone(A) take-tr.indic-3sgE/3sgA

- ** Algonquian TIs exhibit evidence of both of these components
- TI takes oblique-Instrumental notional direct object (cf. -mik in (20a)) 4.2
- (21)N-Peripheral Marking for notional direct object of TI

wətalíhtonal akwitənóhsisal

wə-tal-h.t.o-əne-al akwit.ən-[w]-hs-s-al

soak.LV^{NI}-W-DIM-DIM-NIpl 3-there-cause.T.LV^{NA}-*N*-NIpl

'he's making small canoes' (SDMC)

- (22)N-Peripheral Marking: broader set of uses: TI notional direct objects., and Secondary Objects
- TI notional direct object = (21)a.
- (locational or transferee themes) b. Secondary Objects: AI+O

nətehsíkαpawin iyo

nə-tehs-kαpaw.i-əne iyo

1-atop-stand.LV^{NA}-N thisNI

'I am standing on this [NI]'

nətehsíkαpawin owa

nə-tehs-kαpaw.i-əne owa

1-atop-stand.LV^{NA}-N thisNA

'I am standing on [this] NA'

c. Secondary objects: TA+O (=ditransitive) (transferee themes)

> nəmílαnal nətémisal nə-m-l.α-əne-al nə-em-s-al

'I give NA my dog' (PD:280) 1-give-RP.DIR-*N*-obv 1-dog-DIM-obv

- (23) Secondary objects: possibly a (certain specific!) kind of Instrumental
- a. nətakám α nal nə-tak-am. α -əne-al 'I hit NA with NA(obv)' (PD:447) 1-hit-RP.DIR-N-obv
- b. $natákam\alpha$ $na-tak-am.\alpha-[w]$ 'I hit NA, strike NA' (PD:447) 1-hit-RP.DIR-W
- (24) English transferee Theme alternation (cf. Hale and Keyser 2002:160-161)
- a. I favor you with a gift.
 I shower you with presents.
 I load the truck with hay.
 I present you with an award.
- b. I give you a gift (to your favor).
 I shower presents upon you.
 I load hay into the truck.
 I present an award to you.
 - so (16)/(22c) plausibly may more literally have the syntax of odd but intelligible English I gift him with my dog.
- (25) Chamorro Oblique for ditransitive theme, etc. (Chung 1998:51-52:(64); italics mine)

Ha-na'i si nana-ña ni buteya-n ketchap. agr-give mother-agr Obl bottle-L soy.sauce 'He gave his mother the bottle of soy sauce.'

- (26) Chamorro Oblique for notional direct object of Antipassive (Chung 1998:38:(35); italics mine)
- b. Asta pa'gu ti man-hóhonggi yu' nu ennao ädyu i siñát ginin i chächaflik. until now not agr.AP-believe.Prog I Obl that the sign from the dying.one

'Even now I still don't believe in those signs from the dead' ([cited from] Cooreman 1983:184)

- Crosslinguistically, a pattern of obliques for both ditransitive theme and antipassive notional direct object is pretty easy to find:
- (27) Oblique = ditransitive Theme, antipassive Theme/notional direct object: Halkomelem (Gerdts and Hinkson 2004:241-245)
- a. Antipassive: oblique Theme/notional direct object

ni? \dot{q}^w əl-əm ?ə t^θ ə sce:ltən. AUX bake-MID OBL DET salmon

'He cooked/barbecued the salmon.' (Gerdts and Hinkson 2004:244:(53))

b. Ditransitive: oblique Theme

ni? $c ag{a} n$? $a ag{a} m ag{a} - a ag{b} a$ $s ag{w} ag{a} ag{v} e$? ? $a ag{w} ag{a} ag{w} ag{a} ag{v} e$ $b ag{v} ag{w} ag{v} ag{v}$

'I gave the man the book.'

(Gerdts and Hinkson 2004:244:(55))

- Secondary Objects and TI notional direct objects not completely equivalent, but share common status as secondary arguments (appear only in configurations with syntactically higher argument); fail to be introduced via RPs (TA constructions are the only special ones)
 - Conservatively: Instrumental-Oblique is a common "dumping" ground for ousted arguments; hence antipassive: N-Peripheral Marking is just the (heterogenous) 'other' class (after a suggestion from Norvin Richards, ca. 2002)
 - Less conservatively: N-Peripheral Marking corresponds to adposition of "central coincidence", .e.g. *I fitted him* **with** *new shoes* (Hale and Keyser 1993)
- 4.3 TI is structurally detransitivized (unergativized) verb
- Antipassive is a *structural unergative intransitive*; this can come about through two possible paths: *minimal* (28a) (cf. Bittner and Hale 1996), or *derived*, via nominalization of TA complex (28b):
- (28) TI stem syntax = unergative-antipassive

unergative-antipassive =

v[unergative]

Root/Root complex/nominalized complex

a. Minimal

 $\begin{array}{ccc} & & vP \\ / \backslash \\ LV^{NA} (unergative) & = & v & VF \\ \\ Root (Root, nominal) & = & V \end{array}$

b. Derived

VP
//
LV^{NA} (unergative) = v NmlzP
//
T-element (nominalizer) Nmlz ApplP
RPr ("TA Final") = Appl VP
//
Root = V

- Explains dual strategies of "deleting" vs. "augmenting" TA-to-TI pairings....
- (29) "Deleting" vs. "augmenting" TA-to-TI correspondences
- a. "Deleting" TA-to-TI

-n-aw.α 'do to NA by viewing, view NA as...'
-n.am 'do [to NI] by viewing, view [NI] as...'

nólinawα nə-wəl-n-aw.α-[w]
'I like NA's looks; I like NA's behavior; 1-good-view-RP.DIR-W

I approve of NA'

nólinamən nə-wəl-n.am-əne
'I admire NI [like the looks of NI]' 1-good-view.LV^{NA}-N

= (28a) minimal structure

b. "Augmenting" TA-to-TI

nəkəlamα nə-kəl-am.α-[w]

'I hold NA in my mouth' 1-bound-by_mouth.DIR-W

nəkəlátamən nə-kəl-am.t.am-ən

'I hold NI in my mouth'

1-bound-by_mouth.T.LV^{NA}-N

...within a single account for the independent nominal/gerundive function of the "augmenting" t-element:

= (28b) derived structure (cf. English transitive devour detransitivized to unerg as **do** devour**ing**)

(30) Initial pakahət- 'biting' = gerundivized (=TI) stem pakahət- 'biting'

a. wəpákahəton wə-pake-h-al-t.aw-əne 'he bites it (inan.)'(S:38:twds end) 3-bite-change-RP.T.LV^{NA}-N

cf. TA wəpákahəlαl wə-pake-h-al.α-[w]-al

'he bites him'(S:38:twds end) 3-bite-change-RP.DIR-W-obv

b. pakáhətahsəm pake-h-al.t-ahsəm° bite-change-RP.T-dog

(S:38:twds end; this last seemingly noted much later)

c. màtahsəm mat-ahsəm^o 'bad dog; shaggy dog' (PD:254) bad/rough-dog

mὰlsəm mαl-ahsəm° 'wolf' (PD:260) grey-dog

...and why there is such as thing as an Objectless TI: antipassives can readily drop their notional objects

- (31) Antipassives omitting notional direct objects (cited in Baker 1988:119-121)
- a. Mam; England 1983

Ma ø-kub' w-aq'na-7n-a (t-uk' asdoon). REC 3SA-DIR 3SE-work-DS 3S-with hoe 'I worked it (with a hoe).'

Ma chin aq'naa-n-a. REC 1SA work-APASS-1s 'I worked [something].'

b. Algonquian OTI construction/alternation (PD:186, 187)

kəlatam kəl-am.t.am-[w]

'NA holds with [h/her] teeth, bound-by_mouth.T.LV^{NA}-W

in [h/her] mouth'

nəkəlatam nə-kəl-am.t.am-əp

'I...' 1-bound-by_mouth.T.LV^{NA}-P

nəkəlátamən nə-kəl-am.t.am-ən

'I hold NI in my mouth' 1-bound-by_mouth.T.LV^{NA}-N

• DAS requirement explains why TA is restricted to one pattern, while TI, being unconstrained has two.

Upshot:

Inherent prominence grammaticalizes as feature-driven prominence: NA notional direct object introduced high (RP-Applicative), NI introduced low (antipassive-Instrumental) or possibly even outside of VP

Mystery solved: the TA~TI interpretational asymmetry explained

- given the same minimal inflection (the IdpIdc third person "W"), TA and TI collocations have completely opposite readings!
- specifically, with such marking, a TA collocation interprets as as "passive", i.e. an Impersonal Agent acting on the [+NA] Primary Object argument (32), whereas a matching TI collocation glosses as an unergative with a [+NA] argument as Agent (33): an OTI.
- (32) Minimally inflected TA: Impersonal Agent "passive"

...tákam α tak-am. α -[w] '...he was struck' (awehsohsak:12) hit-RP.DIR-W

(33) Minimally inflected TI: agentive unergative (OTI)

• radical asymmetry is wholly unexpected under a stem-agreement account of the TA-TI constrast, which would of course predict identical argument-structural interpretation

- present model offers a ready explanation
- (32): lacking other overt arguments, the RP introduces only the [+NA] internal argument, giving rise to the Impersonal-Agent "passive"
- (33): TI-antipassive likewise introduces (via its LV) only its [+NA] external argument Agent, giving the unergative intransitive
- consistent contrast---a morphosyntactic minimal pair, as it were---exemplifies the core predictions of the proposed structural model of Algonquian transitivity, and their contrast with the standard Algonquianist model

5. Concerns and conclusions

Remaining questions:

- where exactly does the N-element oblique enter the structure?
- how grammaticalized is this?

Overall results:

 have offered a simplifying account of Algonquian gender-sensitive transitivity patterns, with explanations for a number of traditionally problematic categories and phenomena, while appealing nearly entirely to non-language-specific categories

Going further:

- affinities with Aldridge 2007 "ergative" analysis of Tagalog voice-system as simple transitiveintransitive system: Agent- vs. Patient-prominent structures
- Kiyosawa 2006:67-74 offers new examples of languages exhibiting applicative and oblique-object (=roughly antipassive) sensitivities to grammatical gender

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7. Abbreviations

1 1st person (if not otherwise specified, indicates Possessor marking)
2 2nd person (if not otherwise specified, indicates Possessor marking)
3 3rd person (if not otherwise specified, indicates Possessor marking)

1pli first person plural inclusive 1ple first person plural exclusive

NA NA gender class ("animate"); (in glosses) pronominal gloss for same NI NI gender class ("inanimate") (in glosses) pronominal gloss for same

sg singular (usually not marked)

pl plural obv obviative abs absentative

Imps Impersonal (pronominal feature)

ExtPl Extended Plural (special verbal derivation, something like a pluractional or collective/

distributive)

T t-element

RP, RPr Relational Predicate

o diacritic rounding effect on weak vowels

LV light verb

LV^{NA}: light verb taking NA-class argument LV^{NI}: light verb taking NI-class argument

DIR Direct light verb
INV Inverse light verb
rcp reciprocal light verb
rflx reflexive light verb

mediorflx medioreflexive ("mediopassive") light verb
Idp Independent (morphological clause-type)
Subord Subordinative (subtype of Independent)
Cj Conjunct (morphological clause-type)
Imp Imperative (morphological clause-type)

P P-ending (clause-type marker)
W W-ending (clause-type marker)
N N-ending (clause-type marker)

VAR variable =FUT future enclitic =POT potential enclitic

=UCT uncertainty-marking evidential enclitic

=QT quotative/secondhand information evidential enclitic

TA transitive animate (verb-stem class)

TI transitive inanimate (verb-stem class)

AI animate intransitive (verb-stem class)

II inanimate intransitive (verb-stem class)

AI+O animate intransitive taking Secondary Object (verb-stem class)

OTI transitive inanimate taking no object (verb-stem class)