Intransitive –t in Salish

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Roadmap

Part 1: General overview of intransitive –t in Salish

- -t on property concept roots (adjectives)
- *-t* on change of state roots

Part 2: Deep dive into -t on change of state roots

- Northern Interior Salish
 - St'át'imcets, Secwepemctsín, and nłe?kepmxcín
- Roots and -t: what is the division of labour?
- Implications for other root-adjacent morphemes

Intransitive -t across Salish: Adjectives

While intransitive -t is relatively rare outside of Northern Interior Salish, there are reflexes of intransitive -t on a set of roots **across the whole language family**.

LANGUAGE	'LONG/TALL'	'WIDE'	'THICK'
Bella Coola	(cak ^w)	(pïq-iik)- t	płt
Comox-Sliammon	Хаq t	(pïq)	pəłt
Pentlatch	Хaqt	?	pəłt
Sechelt	Хaqt	(pïq)	pəłt
Halkomelem	λeqt	łqet	płet
Northern Straits	λeqt	łqet	č l ət
Klallam	Хаq t	łqet	čłət
Nooksack	Хаq t	łəqa(?)t, łáqət	?
Squamish	Xaq t	łəq'	płuł
Lushootseed	(ha:c)	łəqt	płət
Twana	(łax ^w)	łəq'	pəł
Quinault	Хаq	łəq-	pət(-ł)
Upper Chehalis	Xaq(-1)	ləq(-l)	pəł(-ł)
Cowlitz	%aq(-1)	ləq-(l)	pəł
Lillooet	(zax)-t	łəq'	płuł
Thompson (River)	$\chi_{axt} / (zex)-t / (wis)-t$	łaq 't	płə ł-t
Shuswap	%ex t / (yex)-t	łeq-t	płeł-t
Okanagan	(wis-xn')	łaq 't	płałt
Moses-Columbia	(wis-xn)	łəqt	páłał t
Spokane-Kalispel-Montana Salish	(wis-šn)	łaq ʻt	płiłt
Coeur D'Alene	(ciš)-t	łaq-t	pellt

Interior Salish: Adjectival –t

In Interior languages, **adjectival** -t is particularly associated with what is traditionally termed 'characteristic' reduplication.

nxa'amxcín (Willet 2003:243-245) cál'<cal>-t √c'al' 'shady' √x^wuk^w $x^{w}uk^{w} < x^{w}uk^{w} > -t$ 'clean' < Secwepemctsin (Kuipers 1974:54-55) pál<pəl>-t √pal 'stubborn' qway~qwiy-t √qwiy < 'blue' nłe?kepmxcin (Thompson and Thompson 1992:89) zéw'<zəw'>-t √zew' 'tiresome' < $\sqrt{\lambda'}$ aq' 'full of thorns, thorny' $\chi aq < \chi q - t$ St'át'imcets √qil' 'fun' qíl'<qəl'>-t kín<k'n>-ət √kin

'dangerous'

Interior Salish: Adjectival -t

Adjectival -t is also found on non-reduplicated adjectives

'Characteristic' reduplication **doesn't** invariably require –t

Adjectives may be formed without reduplication nor -t

Secwepemctsin

Adjectives with -t, without reduplication

 $\chi_{\text{ox-t}}$ 'sweet'

qwuc-t 'fat'

Adjectives with reduplication, without -t

mək^w~mék^w 'blunt'

mət~mát 'soft (as butter)'

Adjectives with neither reduplication nor –t

: xmank 'heavy' 'big'

If there was a **systematic set of alternations** relating -t and reduplication, it **has been obscured by lexicalization**

Change of State (COS) -t

In Northern Interior Salish, -t has or had a distinct function as a COS marker:

Secwepemctsin	nłe?kepmxcín	St'át'imcets
x-sult-t 'freeze over'	qem'-t 'get shot'	zik-t 'fall, topple'
qïw-t 'wake up'	cek-t 'get cool'	łap-t 'go out (e.g., of a light)'

COS roots vs. COS –t:

What pieces of meaning are contributed by COS roots? What is contributed by -t?

Languages

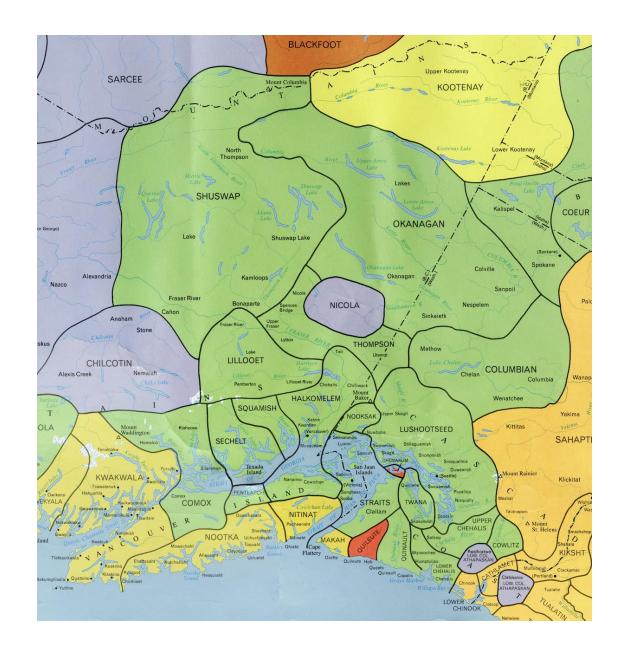
Northern Interior Salish

• St'át'imcets (Lillooet)

Secwepemctsin (Shuswap)

• nłe?kepmxcín (Thompson River Salish)

Fragment of a map created by Cameron Suttles (1985)



COS –*t* and bare roots

COS verbs may appear as bare roots in St'át'imcets but not in Secwepemctsín and nle?kepmxcín

Bare roots in St'át'imcets

'The (fish) bones were removed, and then it was dried and pounded.'

(Mitchell 2022:396)

*Bare roots in Secwepemctsín and nłe?kepmxcín

<u>Secwepemctsín</u>

```
*sul=Ø yə=ci?
get.frozen=3SBJ DET=deer
Intended: 'The meat froze/got frozen.'
```

nłe?kepmxcín

```
*kíp'=Ø ?ə=sméyx
get.trampled=3SBJ DET=snake
Intended: 'The snake got trampled.' (Nederveen
2024:426)
```

COS –t and bare roots are semantically similar

- Shared characteristics of bare COS roots (St'át'imcets) and —t roots (Secwepemctsín and nłe?kepmxcín):
 - Both bare and t-marked COS roots are unaccusative.
 - Unaccusative verbs only have a theme argument, for example in (1):
 - (1) The vase broke

The vase is *undergoing* the breaking

- Both bare and t-marked COS roots are telic.
 - Telic verbs culminate, meaning that they reach their natural endpoint, for example in (2):
 - (2) Doug fixed his car (*but he didn't finish).

The fixing-event should have reached an endpoint.

Both bare and t-marked COS roots are unaccusative

```
St'át'imcets bare root
ďwəl=∅
                      ta=cí?=a
get.cooked=3SBJ DET=meat=EXIS
'The meat got cooked.' (\neq 'Someone cooked the meat.')
Secwepemctsin t-root
sul-t=Ø
                     ye=ci?
get.frozen-INTR=3SBJ DET=deer
'The meat froze/got frozen.' (\neq 'Someone froze the meat.')
nłe?kepmxcín t-root
ἀwéy-t=Ø
                     ?ə=sqyéytə
get.roasted-INTR=3SBJ DET=salmon
'The salmon got roasted.' (\neq 'Someone roasted the salmon.')
```

Both bare and t-marked COS roots are telic.

St'átimcets bare root

```
qwəl=∅ ta=ci?=a, (*¾u? wa?=∅=¾u? ?əs-xiw)
get.cooked=3SBJ DET=meat=EXIS (*but IPFV=3SBJ=EXCL STAT-raw
'The meat got cooked (*but it's still raw).'

Consultant's comment: "Going against itself.'
```

Secwepemctsin t-root

```
sul-t=Ø γə=ci? (*?eł ?ex ?ey γə=sul-t=əs)
get.frozen-INTR=3SBJ DET=deer (*and PROG still D/C=get.frozen-INTR=3SJV)
'The meat froze/got frozen (*and it's still freezing).'
```

nłe?kepmxcín t-root

```
ník-t=Ø ?=syéyp (*Åu? təØ=té?e k=s=tékəm=s)
get.cut-INTR=3SBJ DET=tree (*but NEG=3SBJ=NEG D/C=NMLZ=all=3POSS)
'The tree got cut (*but not all of it).'
```

The division of labour between intransitive –*t* and COS roots

Two analyses

'Bare root analysis'

Davis (2024) (based on Bar-el et al. 2005)

COS roots lexically encode both unaccusativity and telicity.

'Compositional root analysis'

Nederveen (in prep.)

COS roots lexically encode unaccusativity and a process component (dynamic change of state). **Telicity is added separately by** *-t*.

Can we reduce it to one analysis?

'Compositional root analysis'

COS roots lexically encode unaccusativity and a process component (dynamic change of state). Telicity is added separately by -t.



Straightforwardly applies to t-roots in Secwepemetsin and nle?kepmxcin

What about bare roots in St'át'imcets?

'Bare' roots in St'át' imcets are **not bare**. Instead, St'át' imcets -t isn't -t, it's \emptyset

Advantages:

We can use **one single analysis** to explain telic,
unaccusative COS roots in
all three languages

Disadvantages:

It's very abstract – every 'bare' COS root in St'át'imcets has a piece of meaning that you cannot see.

Can we reduce it to one analysis?

'Bare root analysis'

COS roots lexically encode both unaccusativity and telicity.



What about t-roots in Secwepemctsin & nle?kepmxcin?

Intransitive — t has no meaning t-suffixation has no explanation



Straightforwardly applies to bare roots in St'át'imcets

Advantages:

No abstraction required to understand St'át'imcets.

Disadvantages:

A morpheme that is sometimes *necessary* has no clear function.

Not obvious how to adapt the analysis to account for *-t*.

Arguments for a 'compositional root analysis'

- a) Relic t forms in St'át'imcets behave just like t–roots in Secwepemctsín and nle?kepmxcín, and other 'bare' roots in St'át'imcets
- b) The 'compositional root analysis' explains why the imperfective applies differently to different COS roots
- c) (non-culminating) inchoative predicates are more easily explained
- d) Roots encode a process under the 'compositional root analysis', which can be modified in St'át'imcets

Relic – t forms in St'át'imcets...

```
...are unaccusative:
                              ta=smúłac=a
łap-t=∅
get.extinguished-INTR=3SBJ
                              DET=woman=EXIS
# 'The woman went out (like a light).' (\neq The woman extinguished something (like a
light.')
....are telic
                                    (*λ̂u? wá?=∅=λ̂u?
zik-t=Ø
                  ta=syáp=a,
                                                               ?əs-yə́p)
                                     (*but IPFV=3SBJ=EXCL
                                                               STAT-upright)
fall-INTR=3SBJ
                  DET=tree=EXIS
'The tree fell (*but it's still standing).'
```

Just like St'át'imcets bare COS roots and t-roots in Secwepemctsín and nle?kepmxcín.

This suggests that, historically, there used to be composition of intransitive –t with COS roots in St'át'imcets, which has disappeared over time.

Imperfective COS roots

'Compositional root analysis':

COS roots encode a process component

Depending on aspectual classification of the root, the process component can be specified for different lengths. Thus, the imperfective applied to...

...longer process roots: event is ongoing

...short process roots: repetitive event

These findings are *not problematic* for 'bare root analysis', but it also *cannot explain* them.

Imperfective durative verbs

St'át'imcets

wa?=Ø mays ta=n-káh=a
IPFV=3SBJ get.fixed DET=1SG.POSS-car=DET
'My car is getting fixed.'

nłe?kepmxcin

?ex=∅ **péw-t ?**ə=sxáni **IPFV**=3SBJ **get.swollen-INTR** DET=wound 'The wound is swelling.'

Imperfective near-instantaneous verbs

St'át'imcets

? wa?=Ø pun ta=n-sqáx?=a
IPFV=3SBJ get.found DET=1SG.POSS-dog=EXIS
'My dog gets found (habitually).' (≠ My dog is in the process of getting found)

Explaining nonculminating inchoative roots

In St'át'imcets, inchoative-marked COS roots, do not need to culminate

Bare root analysis:Not clear how culmination entailment is undone by the inchoative

Compositional root analysis
Parallel to t-suffixation, inchoative morphology encodes properties of (a)telicity

ta=lam-xal-áłx^w=a, λu? láp-an-Ø-əm $Q=q-le^w$ DET=pray-ACT-place=EXIS but extinguish-DIR-3OBJ-PASS burn-INCH=3SBJ $nil=\emptyset=\mathring{\lambda}u?$ $? = ki = wá? = \emptyset$ łáp-xal. $s=x^w$?ay=sby=PL.DET=IPFV=3SBJ extinguish-ACT COP=3SBJ=EXCL NMLZ=NEG=3POSS $k^w = s = f^w a l - p = s$ D/C=NMLZ=burn-INCH=3POSS 'The church got on fire, but the firefighters put it out so the church didn't burn.' (consultant's translation)

γi<?>p=Ø ?i=sqwlap-áż-łkał=a **grow**<INCH>=3SBJ PL.DET=strawberry-plant-1PL.POSS=EXIS 'Our strawberry plants are growing!'

 $\emptyset = 2 < \gamma > i$?i=susuzíl=a l=ki=sqwəm<qwəm>=a shrink<INCH>=3SBJ in=PL.DET=mountain<PLU>=EXIS PL.DET=glacier=EXIS 'The glaciers are shrinking in the mountains.'

Modification of the process component of roots

In St'át'imcets, the eventive part of COS roots can be modified.

Bare root analysis:

Not clear how this is possible, as roots lack a process component altogether

Compositional root analysis:

Roots provide a process component that can be modified

```
sáqwuł=Ø kw=s=paw=s na=wa? ?əs-páw
half=3SBJ D/C=NMLZ=get.inflated=3POSS ABSN.DET=IPFV STAT-get.inflated
n-kwup
LOC-mattress
```

'The air mattress got half-inflated.'

```
tákəm ?i=pəták=a sáqwuł=Ø kw=s=qwəl=s,
all PL.DET=potato=EXIS half=3SBJ D/C=NMLZ=get.cooked=3POSS
?az kwas ka-cáqw-a
NEG D/C+NMLZ+IPFV+3POSS CIRC-get.eaten-CIRC
```

'All the potatoes are half-cooked: they can't be eaten.'

Summing up

- 1. Intransitive –t manifests itself in some way in most Salish languages.
- 2. -t is productive on COS roots in the Interior languages Secwepemetsin and nle?kepmxcin, yet it isn't in the neighbouring language St'át'imcets.
- 3. Out of two competing analyses of -t in COS contexts, we argue for the 'compositional root analysis', which endows COS roots with a process/dynamic change, and in which -t encodes telicity.

The **'compositional root analysis'** accounts for t-suffixation and easily extends to those without *-t*.

Arguments in favour come from:

- Relic t-forms in St'át'imcets
- Composition of COS roots with the imperfective
- Seamless extension of the analysis to (nonculminating) inchoatives
- Possible modification of the event process

thank you

kukwstumúlhkacw

kukwstéc-kucw

kwukwstéyp

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