Christine

## Condition C in Nuu-chah-nulth

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### GOAL:

a preliminary investigation of of Binding Condition C effects in Nuu-chahnulth – or rather, the lack of them.

## 1. Background: relevant properties of Nuu-chah-nulth (NCN) syntax

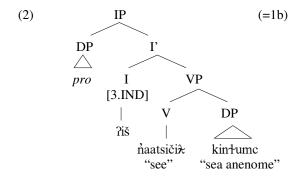
# 1.1 Partial head marking

subject arguments are freely omissible

(1) a. naatsiči⁄kit?iš Kyle kin1umc see-PERF-PST-3.IND Kyle sea.anenome Kyle saw a sea anenome. (Ahousaht)

> d. naatsiči⁄kit?iš kin1umc see-PERF-PST-3.IND sea.anenome He saw a sea anenome. (identity of *he* is understood in context)

rich subject inflection licenses a null pronominal (pro) as subject.



in contrast, object arguments are not freely omissible.

č'upč'upšum1 (3) a. maakukwith buy-PST-3.Q sweater Did he buy a sweater? (Ahousaht) (context: you see a man holding a sweater)

> maakukwith buy-PST-3.O Did he buy it? (Ahousaht) (context: you see a man holding a sweater)

### 1.2 Word order

Word order within the clause is predicate initial, with some flexibility in post-predicative order of DPs (Rose 1981, Whistler 1985, Jacobsen 1993, Davidson 2002, Woo 2004).

?uu?i&as?iš (4)Sitniiૠ Mary ?u-?i¾as-?iš Mary Sitniiૠ  $\emptyset$ -go.get[+L]-3.IND Mary dog[pl] Mary went to get dogs. (Ahousaht) ?uu?i¾as?iš Sitniiૠ b. Mary ?u-?i¾as-?iš Sitnii Mary  $\emptyset$ -go.get[+L]-3.IND dog[pl] Mary Mary went to get dogs. (Ahousaht)

In DPs, either either possessum-possessee or possessee-possessum order is possible (though the former is preferred by many speakers, cf. Ravinski in prep):

(5) načuu?a1itah ?um?iiqsak see-PST-1sg.IND mother-POSS Christine I saw Christine's mother. (Ucluelet) nacuu?a1itah b. Christine ?um?iiqsak see-PST-1sg.IND Christine mother-POSS I saw Christine's mother. (Ucluelet)

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- stacked possessives are possible:
- (6) ?uušk³wapaḥ piišpiišuk?i [?um?iiqsak Florence] like-1sg.IND cat-POSS-3.POS mother Florence I like Florence's mom's cat. (Ucluelet)
- (7) ?uušk<sup>\*</sup>wapaḥ [Florence ?um?iiqsak] <u>piišpiišuk?i</u> like-1sg.IND Florence mother cat-POSS-3.POS I like Florence's mom's cat. (*Ucluelet*)
- the possessor and possessum may not form a discontinuous constituent:
- (8) \* ?uušk̇ apaḥ Florence <u>piišpiišuk?i</u> ?um?iiqsak like-1sg.IND Florence cat-POSS-3.PS mother [intended: I like Florence's mom's cat.] (Ucluelet)
- (9) \* ?uuškwapaḥ ?um?iiqsak piišpiišuk?i Florence like-1sg.IND mother cat-POSS-3.PS Florence [intended: I like Florence's mom's cat.] (Ucluelet)

# 1.3. Structural asymmetries

- NCN shows the following subject-object asymmetries (see references for details):
- (i) Only DPs in object position may act as the source of incorporation (Yiu and Stonham 2000, Davis and Sawai 2001, Wojdak 2003a,b)
- (10) a. haa?um?i¾as?iš nuwiiq ha?um-?i¾as-?iš nuwiiq food-**go.get**[+L]-3.IND father

Father went to get food. (Ahousaht)

- b. \* nuwiic-<u>?ii/kas-</u>?is ha?um father-**go.get**[+L]-3.IND food Father went to get food. (Ahousaht)
- (ii) Only DPs in subject position may serve as the source of possessor raising (Davidson 2002, Ravinski in prep)

- (11) a. hinkwa?iiḥit?iš piišpiš maamaatakqs chase-PST-3.IND cat bird-POSS-1sg.PS A cat was chasing my bird.
  - b. hink<sup>w</sup>a?iiḥit?iš piišpišukqs maamaati chase-PST-3.IND cat-POSS-1sg.PS bird My cat was after a bird.
  - c . hinkwa?iiḥuksiš piišpiš maamaati chase-POSS-3.IND cat bird

    My cat was after a bird.

    (unavailable interpretation: A cat was chasing my bird.)
- At least (i) must be defined in configurational terms, since part of a DP object DP may be incorporated (Rose 1981):
- (12) a. cucusciqa?is Louis suwis
  cus-ciqa-?is Louis suwis
  new-lose[+R]-3.IND Louis shoes
  Louis lost a brand new pair of shoes. (Ahousaht; incorporation)

. ?u?uĉiqa?iš Louis ĉušuk šuwis ?u-<u>ĉiqa</u>-?iš Louis ĉuš-uk šuwis ∅-<u>lose[+R]-3.IND</u> Louis new-DUR shoes

Louis lost a brand new pair of shoes. (Ahousaht; no incorporation)

### 2. Condition C

- Condition C of the Binding Theory (Chomsky 1981) expresses the generalization that referring expressions (names) cannot normally be referentially dependent.
- the standard formulation is that of Chomsky (1981):
- (13) *Condition C*R-expressions must not be A-bound.
- (14)  $\alpha A$ -binds  $\beta$  iff
  - a.  $\alpha$  is in an argument position, and
  - b.  $\alpha$  c-commands  $\beta$ , and
  - c.  $\alpha$  and  $\beta$  are co-indexed.

- Condition C effects in English:
- (15) Clausal complement:
  - a. Christine, said that she, went to Tofino.
  - b. \* She<sub>i/</sub> said that Christine<sub>i</sub> went to Tofino.

## Adjunct clause:

- c. Christine, will be happy if she, wins the lottery.
- d. \* She<sub>i</sub> will be happy if Christine<sub>i</sub> wins the lottery.

### Relative clause:

- e. Christine; visited the man that she; is going to marry.
- f. \* She<sub>i</sub> visited the man that Christine<sub>i</sub> is going to marry.

### Possessor:

- g. Christine<sub>i</sub> visited her<sub>i</sub> fiance.
- h. \* She<sub>i</sub> visited Christine<sub>i</sub>'s fiance.

# 3. Contexts where Condition C is apparently violated in NCN

# 3.1. Clausal complements

- Ahousaht dialect:
- (16) a. wawaa?iš Christine ?en čatši\(\fraktivit\) idas sapnii ?amii\(\fraktik\) ik say-3.IND Christine COMP push-gonna bread tomorrow Christine; said that she; s gonna knead bread tomorrow.
  - b. wawaa?iš ?en čatši&wit'as(huk) Christine sapnii ?amiiikik say-3.IND COMP push-PERF-gonna-(3.ABS)Christine bread tomorrow Christine is saying that she is gonna knead bread tomorrow. (literally: She, is saying that Christine, 's gonna knead bread tomorrow.)
- *Ucluelet dialect:*
- (17) a. wawaama Lucy ?anič papacaq\tiifwitas ?amii\tik say-3.IND Lucy COMP-3.C bread-make-about.to tomorrow Lucy; said she; is going to bake yeast bread tomorrow.

b. wawaama ?anič papacaq\text{\text{iiiiiiii}} wiitas Lucy ?amiii\text{\text{iii}} kik say-3.IND COMP-3.C bread-make-about.to Lucy tomorrow Lucy said she is going to bake yeast bread tomorrow.

(literally: She; said that Lucy; s going to bake yeast bread tomorrow.)

## 3.2 . Adjunct clauses

- *Ahousaht dialect:*
- (18) a. čimq $\lambda$ ?aq $\lambda$ ?iš Christine ?ayiipquu taana happy-FUT-3.IND Christine lots-receive-3.COND money Christine; will be happy if she; gets a lot of money.
  - b. čimq\( ?aq\( ?ri\) ?ayiipquu Christine taana happy-FUT-3.IND lots-receive-3.COND Christine money Christine will be happy if she gets get lots of money.

    (literally: She; will be happy if Christine; gets a lot of money.)
- *Ucluelet dialect:*
- (19) a. čimq $\lambda$ ?aq $\lambda$ ma Jim ?ayiipquu taana happy-FUT-3.IND Jim lots-receive-3.COND money Jim; is going to be happy if he; gets lots of money.
  - b. čimq\( ?aq\) aq\( ma \) lots-receive-3.COND Jim money Jim is going to be happy if he gets a lot of money. (literally: He; will be happy if Jim; gets a lot of money.)

### 3.3. Relative clauses

- headless relative clause in the Ahousaht dialect:
- (20) a. natsičiikit?iš Christine yaaqwi†itii hinii načaa†yak see-PST-3.IND Christine REL-do.to-3.REL give book Christine₁ saw the one she₁ handed over a book to.
  - b. natsičintiis yaaqwititii Christine hinii načaatyak see-PST-3.IND REL-do.to-3.REL Christine give book Christine saw the person that she gave a book to.

    (literally: She; saw the one that Christine; gave a book to.)

- headless relative clause in the Ucluelet dialect:
- (21) a. natsičiitima Christine yaaqwiititi hinii načaatyak see-PST-3.IND Christine REL-do.to-3 give book Christine; saw the one she; handed over a book to.
  - b. natsičiλ-it-ma yaaqwititii Christine hinii načaatyak see-PST-3.IND REL-do.to-3 Christine give book Christine saw the one she handed over a book to.

    (literally: Shei saw the one Christinei handed over a book to.)
- note: Condition C effects in headed relative clauses have been more difficult to elicit
- the nominal that would potentially be interpreted as the head of the relative clause is instead typically treated as the subject of the matrix clause.
- headed relative clause in the Ucluelet dialect:
- (22) a. načuu?at-we?in Lucy čakup-?i yaaqwititii hinii načaatyak see-3.QUOT Lucy man-DET REL-do.to-3.REL give book Lucy; seen the guy she; gave a book to.
  - b. načuu?a4-we?in čakup-?i yaaqwi?titii Lucy hinii načaa1-yak see-3.QUOT man-DET REL-do.to-3.REL Lucy give book
    The guy saw the one that Lucy gave a book to.

    \* She; saw the guy that Lucy; gave a book to.

### 3.4. Possessives

- preliminary results show that that Condition C appears to be violated in Nuu-chah-nulth possessives (based on tests developed by Davis (1993))
- (23) kwa?akway-ap-ma ?ušḥyums-uk Christine kwaasacus-uk break-CAUS-3.IND relative-3.POSS Christine chair-3.POSS

two interpretations:

- a. Christine's relative broke her chair into pieces.
- b. Christine broke her relative's chair into pieces.

(consultant's comment: "you would need to ask 'Who broke it? Christine or the ?ušḥyums?"")

- (24) a. kwa?akway-ap-ma [?ušḥyums-uk Christine] kwaasacus-uk break-CAUS-3.IND [relative-3.POSS Christine] chair-3.POSS Christine's relative broke her chair into pieces. (Ucluelet)
  - b. kwa?akway-ap-ma pro [?usḥyums-uk Christine] kwaasacus-uk break-CAUS-3.IND pro [relative-3.POSS Christine] chair-3.POSS Christine broke her relative's chair into pieces. (Ucluelet) (literally: She, broke Christine,'s relative's chair into pieces.)
- the Condition C-violating interpretation is (23/24b).
- given the ban on discontinuous constituents in possessives (see 1.2 above), an alternative interpretation of (23/24b) with no antecedent *pro* is not possible.

## 4. Contexts where Condition C is apparently satisfied in NCN

- *between co-arguments(name):*
- načuu?a+itwe?in Christine see-PST-3.QUOTChristine She; saw Christine\*<sub>i/i</sub>.

(Ucluelet)

- between co-arguments (variable, i.e. strong cross-over)
- (26) ?a?ačati†itḥa who-dream.of-PST-3.Q Who\*<sub>i/i</sub> did s/he<sub>i</sub> dream of?

(Ucluelet)

- Q: ?a?ačati†itḥa who-dream.of-PST-3.Q
- A: yaa ¹uucmeʔi
  DEIC woman-DET
  That woman.

Can the answer mean: a. Someone dreamt about that woman. YES b. That woman dreamt about herself. NO

(27) ?aačači†ḥa ?uušk³wap who-aux-3.Q like Who\*<sub>i/i</sub> does he<sub>i</sub> like? (*Ucluelet*)

Q: ?aača-či<sup>1</sup>-ḥa ?uušk<sup>2</sup>wap who-aux-3.Q like

A: yaa ½uucme-?i
DEIC woman-DET
That woman.

Can the answer mean: a. Someone likes that woman. YES

b. That woman likes herself. NO

BUT: these could all be cases of *Condition B* violations, under Reinhart and Reuland's (1993) version of the Binding Theory.

- Condition B violations are induced by reflexive uses of predicates which are not reflexive-marked. This means that Condition C is generally not testable between co-arguments.
- It is impossible to check for strong crossover inter-clausally, because A'movement in NCN is generally strictly clause-bound (Davis and Sawai
  2001).

# 5. Summary

- Condition C with R-expressions (names) is systematically violated in NCN in every context where it is possible to test its effects.
- It is impossible to tell whether Condition C is respected with variables, due to independent restrictions on A'-movement and the possibility of reinterpreting intra-clausal Condition C effects as Condition B violations.

# 6. Preliminary analysis

- three possible strategies to deal with cross-linguistic variation in the application of Condition C:
- (i) keep Condition C constant, and account for the variation via differences in configurationality (Jelinek and Demers 1994 on Salish, Baker 1996 on Mohawk, Russell and Reinholtz 1995 on Cree).
- (ii) keep Condition C constant, and account for variation via differences in the binding properties of names (Lee 2003 on Zapotec and Thai).
- (iii) allow limited variation in the domain of Condition C itself.

- evidence against variation in configurationality:
- ♦ in the case of NCN, this means all subordinate clauses and all DPs must then occupy adjunct positions.
- but, to the extent that e.g. subject-object asymmetries depend on hierarchical structure (see 1.3.) this kind of configuration will fail to account for other properties of NCN syntax.
- evidence against variation in the binding properties of names:
- ♦ under the analysis of Zapotec and Thai proposed by Lee, names and pronouns can optionally be interpreted as locally bound variables (essentially, as reflexives).
- ♦ Condition C violations of this type typically involve two co-indexed names (or pronouns)
- but these are ungrammatical in NCN:
- (27) a. wawaamitma Jim ?anič nana?aqaq say-PST-3.IND Jim COMP-3.C smart-very Jim; said he; is very well-educated. (Ucluelet)
  - b. wawaamitma ?anič Jim nana?aqaq say-PST-3.IND COMP-3.C Jim smart-very Jim said he is very well-educated. (Ucluelet) (literally: He; said Jim; is very well-educated.)
  - c. \* wawaamitma Jim ?anič Jim nana?aqaq say-PST-3.IND Jim COMP-3 Jim smart-very Jim; said that Jim; is very educated. (*Ucluelet*) (consultant's comment: "Is there two Jims? (laughing)")

- evidence against variation in Principle P:
- one so far. But a number of issues:
- hard to tell bound variable anphora apart from coreference in NCN, (unlike in Salish, where the two are clearly separable: Demirdache 1997).
- on data yet on intersentential 'Principle P' (precedence) violations. (Salish has them: Davis 2003).
- → if NCN, like Salish, turns out to be a Principle P violating language, then obvious questions arise as to why such a rare phenomenon should crop up in two neighbouring but unrelated sets of Northwestern languages.
- $\rightarrow$  Two possibilities:
  - (i) it relates to syntax (via predicate-initial order: Davis 2003)
  - (ii) it relates to information structure
- If possibility (i) is correct, this kind of Condition C violation should be a characteristic of predicate initial languages.
- If possibility (ii) is correct, then the topic-subject mapping will be criterial for Condition C violations.
- One important lacuna in our NCN data is Condition C violating cases with the bound R-expression in an object rather than an (embedded) subject position. These should be helpful in elucidating (ii).

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