

## Fake indexicals: Germanic child care and gendered relatives

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**Synopsis** This paper shows, based on the distribution of bound indexicals in four Germanic languages, that binding is not sensitive, nor can it be assumed to be driven or mediated by functional heads as postulated in many current Agree approaches to binding (Reuland 2001, 2005, 2011, Heinat 2006, Chomsky 2008, Kratzer 2009). Instead data are provided that argue for a return to the traditional view that binding requires a direct dependency between the antecedent and the variable (Hicks 2006, 2009, Schäfer 2008), and that this dependency is best formalized as Reverse Agree (Wurmbrand 2011, 2012, Zeijlstra 2012) plus the concept of feature sharing proposed in Pesetsky and Torrego (2007).

**Fake indexicals** Bound variable [bv] interpretations are generally available for 1<sup>st</sup>/2<sup>nd</sup> person pronouns in constructions such as *Only I did my best* (*my* is not referential but varies with the alternatives of *only*). Such bound fake indexicals [FIS] where 1<sup>st</sup> person is not interpreted as the speaker are, however, restricted in relative clauses, (1): English and Dutch [E/D] allow them, whereas German and Icelandic [G/I] prohibit them (*my* can only be referential in (1b,d)). Kratzer (2009) proposes a morpho-syntactic spell-out approach for (1a,b) in which the feature sets of the relative pronoun (WH.F.SG), where F=3<sup>rd</sup> person, T,  $\nu$  (1SG), and the POSS(essor) unify, leading to conflicting 1/3 feature specifications on T and POSS, which cannot be realized in G. In E, markedness rules allow ignoring certain features, and the spell-out dilemma of e.g., 1.3.SG can be resolved in favor of person for POSS (1.SG—*my*) and in favor of gender for verbs (3.SG—*takes*.3.SG). This account does not address why only some languages have such markedness rules, in particular not why D patterns with E and I with G.

- (1) a. *I am the only one who takes care of her/my son.* ✓bv  
 b. *Ich bin der einzige, der seinen<sup>✓bv</sup> / meinen<sup>\*bv</sup> Sohn versorgt*  
 I am the.M.SG only.one who.M.SG his<sup>✓bv</sup> / my<sup>\*bv</sup> son take.care.of.3.SG  
 ‘I am the only one who takes care of his/my son.’ [based on Kratzer 2009: 191, (5)]  
 c. *Ik ben de enige die m’n best gedaan heeft* ✓bv  
 I am the only.one who my best done has.3.SG  
 ‘I am the only one who has done my best.’ [Maier and de Schepper 2010: 4, (11)]  
 d. *Ég er sá eini hérna sem getur séð um börnin sín<sup>✓bv</sup> / mín<sup>\*bv</sup>*  
 I am DEM only here that can.3.SG see about children SELF<sup>✓bv</sup> / my<sup>\*bv</sup>  
 ‘I am the only one here who can take care of his/my children.’ [G. Harðarson, p.c.]

**Direct licensing by AC** Mediated Agree approaches crucially relies on  $\nu$ /C/T licensing pronouns, rather than involving a dependency between the actual antecedent [AC] and the bindee. Alternations with identical inflectional heads but different word orders in G show, however, that the crucial relation is c-command between the AC and the bindee: a bv interpretation is only possible in (2) when the AC c-commands the pronoun.

- (2) a. *weil {unser<sup>\*bv</sup> Sohn} nur uns<sup>AC</sup> {unser<sup>✓bv</sup> Sohn} versorgt*  
 since {our.NOM son} only us.ACC {unser<sup>✓bv</sup> Sohn} take.care.of.3.SG  
 ‘since our son is only taking care of us.’  
 b. *der Tag an dem {unser<sup>\*bv</sup> Sohn} nur uns<sup>AC</sup> {unser<sup>✓bv</sup> Sohn} versorgt hat*  
 the day on which {our.NOM son} only us.ACC {unser<sup>✓bv</sup> Sohn} taken.care.of has  
 ‘the day on which our son took care of only us/only we were taken care of by our son’

Further evidence for a direct AC–bindee dependency comes from inversion in specificational contexts. In both E/D, FIS are impossible when the relative DP<sub>REL</sub> precedes the matrix pronoun as in (3b,c). Dutch is particularly important here since the DP<sub>REL</sub>—pronoun order does not change matrix agreement—the subject remains the 1.SG pronoun which the matrix verb obligatorily agrees with. Yet despite this agreement, a FI is not licensed but vb can only be achieved with a 3<sup>rd</sup> person pronoun.

- (3) a. *I am the only one who has done my<sup>✓bv</sup>/her<sup>✓bv</sup> best.*  
 b. *[The only one who has done \*my<sup>\*bv</sup>/her<sup>✓bv</sup> best] is me<sup>AC</sup>.*  
 c. *[De enige die \*m’n<sup>\*bv</sup> / z’n<sup>✓bv</sup> / haar<sup>✓bv</sup> best gedaan heeft] ben ik*  
 [the only.one who \*my / his / her best done has.3.SG] am.1.SG I  
 ‘The only one who has done her best is me.’ [P. Fenger, p.c.]

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(4) a. %*I am the only one, who I have.1.SG given my best.* German: ✓bv  
 b. \**The only one who I have.1.SG given my best am I.* \*doubled subject indexical  
 c. *I am the only one, that pro.1.SG did.1SG my best.* Icelandic: ✓bv  
 d. \**The only one, that pro.1.SG did.1SG my best am.1.SG I.* \*indexical agreement  
 e. *The only one, who/that did.3SG her best am.1.SG I.* ✓vb

**E/D vs. G/I** As shown in the table below, the crucial difference between the two language groups lies in the morphological make-up of the head DP of the relative clause (in G also the relative pronoun): DP<sub>REL</sub> shows gender distinctions in the singular in G/I but not in E/D.

I propose *Max F-Share*—Agree relations affecting morphological features obligatorily share (Pesetsky and Torrego 2007) all features specified on both elements. The first

(5) a. *I am the only one who gives* POSS *best*  
 b.  $i\varphi$ : 1.F.SG  $\varphi$ : #: #:  $\varphi$ :  $\pi$ .#.:  $\Rightarrow$  (3).F.SG G  
 $i\varphi$ : 1.F.SG  $\varphi$ : #: [+HUMAN]  $\varphi$ :  $\pi$ .#.:  $\Rightarrow$  (3).F.SG or 1.SG E