

‘Default’ case in gapping reconsidered

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Draft – Comments welcome!

Abstract

In this squib, I argue that what Schütze (2001) identifies as ‘Default Case’ on pronominal subjects in English gapping constructions can simply be analyzed as standard Dependent Case assignment (e.g. Marantz 1991; McFadden 2004; Baker 2015). Given independent diagnostics showing that the subject in the first conjunct c-commands the subject of the second (e.g. Johnson 2009), it is not necessary to appeal to Default Case if raising can feed case assignment (cf. Baker & Vinokurova 2010).

1 Introduction

Schütze (2001) discusses the following constructions in which English subject pronouns unexpectedly surface in their accusative/objective form:

- (1) a. We can’t eat beans and *him* caviar. (Gapping)
- b. *Him* and *me* are gonna rumble tonight. (Coordination)
- c. The real *me* is finally emerging. (Modified pronouns)
- d. *Him*, he is my brother. (Left dislocation)
- e. A: Who brought these books?
 B: *Me*. (Fragment answers)

Schütze argues that what these examples have in common is that they are in syntactic environments in which, for various reasons, the relevant DPs cannot receive (nominative) case. As a result, each of the subject pronouns surfaces in a default accusative form, providing a strong argument for some mechanism of default case assignment. For Schütze, this is a postsyntactic process that applies to DPs with unchecked case features (also cf. McFadden 2004).

In this squib, I argue that there is a far simpler explanation for the form of the pronoun in (1a) in terms of Dependent Case, which is supported by independent observations about the syntax of gapping.

2 Case and gapping

Schütze (2001) discusses the distribution of case in English gapping constructions on the basis of

(2) a. We can't eat caviar and *him*/**he* / eat beans.
b. She grew up in Jacksonville, *me*/?*I* grew up in Tallahassee. (Schütze 2001:212)

(3) a. We can't eat caviar, but *he*/**him* can eat beans.
b. She grew up in Jacksonville at the same *I*/**me* did grow up in Tallahassee.

(4)

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graph TD
    TP1[TP] --- DP1[DP]
    TP1 --- T_prime1[T']
    DP1 --- We_e1[We_e1]
    T_prime1 --- T1[T]
    T1 --- can_t[can't]
    T_prime1 --- amp_P1[&P]
    amp_P1 --- nu_P1[nuP]
    nu_P1 --- t_i[t_i]
    nu_P1 --- nu_prime1[nu']
    nu_prime1 --- nu[nu]
    nu --- V1[V]
    V1 --- eat1[eat]
    nu_prime1 --- VP1[VP]
    VP1 --- DP2[DP]
    DP2 --- caviar[caviar]
    amp_P1 --- amp_prime1[&']
    amp_prime1 --- amp[&]
    amp --- and[and]
    amp_prime1 --- nu_P2[nuP]
    nu_P2 --- DP3[DP]
    DP3 --- him[him]
    nu_P2 --- nu_prime2[nu']
    nu_prime2 --- nu2[nu]
    nu2 --- V2[V]
    V2 --- eat2[eat]
    nu_prime2 --- VP2[VP]
    VP2 --- DP4[DP]
    DP4 --- beans[beans]
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²Note that I remain agnostic about how deletion of the verb is actually derived. Johnson (2009) assumes that it involves ATB-movement, but see Vicente (2010) for critical discussion. For alternative approaches, see Hartmann (2000); Coppock (2001); Agbayani & Zoerner (2004); Hernández (2007); Murphy (2016), among many others.

raises to Spec-TP (see discussion below). Thus, the second conjunct must receive case by some different means. One option is that it is the & head itself that assigns accusative case (cf. Zoerner 1995; Johannessen 1998), however there is little independent motivation for this, as pointed out by Schütze (2001:214). Instead, Schütze (2001) assumes that the second DP remains caseless and receives default case values at Spell-Out (this of course presupposes that T cannot assign nominative to both subjects via Multiple Agree; cf. Hiraiwa 2001).

There is, however, an alternative way to derive the occurrence of accusative case in second conjunct, which does not require default case. This capitalizes on the structure in (4) where the subject of the first conjunct raises to Spec-TP and thereby to a position where it asymmetrically c-commands the subject of the second conjunct.³ Given a theory of Dependent Case assignment in which accusative is usually assigned to a direct object in the presence of a higher subject DP, the structure in (4) will also allow us to treat 'default' case in the second conjunct as standard case assignment. As the following section will illustrate, independent diagnostics confirm that the subject of the first conjunct does indeed c-command the subject in the second.

3 C-command diagnostics

As discovered by Oehrle (1987) and McCawley (1993:248), the subject of the first conjunct in a gapping structure can bind a variable in the second clause (5a). In pseudogapping constructions, however, binding a variable proves impossible (5b).

- (5) a. No girl_i can join the army and her_i girlfriend the navy.
 b. *No girl_i can join the army and her_i girlfriend can the navy. (Johnson 2009:293)

Given that c-command is a necessary requirement for variable binding, raising of the first conjunct as in (4) creates this configuration, i.e. raising to Spec-TP feeds binding. As suggested by the presence of a modal or auxiliary in the second conjunct, pseudogapping does not involve low coordination of VPs but rather coordination of TPs (e.g. Johnson 2009:298). Consequently, the subject *no girl* does not c-command anything outside of the first conjunct and variable binding is impossible. Further evidence for asymmetric raising in gapping structures comes from the fact that variable binding into the second conjunct is blocked if an expletive is merged (6).

- (6) a. No boy_i is in THIS ROOM and his_i mother in THE OTHER.
 b. *There is no boy_i in THIS ROOM and his_i mother in THE OTHER. (Johnson 1996/2003:42)

In (6b), asymmetric raising of the subject in the first conjunct to Spec-TP is blocked and it remains in Spec-*v*P of the first conjunct. As a result, the requisite c-command relation for variable binding between *no boy* and *his mother* is not given.

³Although this may seem to violate the Coordinate Structure Constraint (Ross 1967), there is empirical support for it (see Section 3). Lin (2002, 2001) provides an analysis where this asymmetric raising does not violate the CSC. The idea is that the CSC is a constraint on LF representations and does not hold for A-movement.

Now, let us consider some other binding-theoretic diagnostics. For Condition B, we also see that the subject in the first conjunct may not bind a pronoun in the second conjunct (7a). This then conforms to the ν P-coordination hypothesis for gapping since, if we assume that the minimal TP constitutes the relevant binding domain (e.g. [Truswell 2014:217](#)), then (7a) is simply a Condition B violation. It is important to note that this coreference is unproblematic in non-gapping structures such as (7b) since these are assumed to involve coordination of at least TPs.

- (7) a. *Pat_i loves mysteries and she_i/her_i ⟨loves⟩ romances.
 b. Pat_i loves mysteries and she_i loves romances (too).
(Agbayani & Zoerner 2004:188)

Condition C effects also obtain between the subjects of the first and second conjuncts. Consider the following example, in which, given a wide scope construal of negation (indicating low co-ordination), co-reference between *he* and *John* triggers a Condition C violation (also see [Frazier 2015](#); [Potter et al. to appear](#)):

- (8) *He_i can't eat caviar and John's_i brother ⟨eat⟩ chili. (Potter 2014:350)

Finally, let us consider licensing of negative polarity items. To my knowledge, this diagnostic has not been reported previously, but it seems to conform to our expectations.⁴ Example (9a) shows that a negative quantifier subject can license an NPI subject in the second clause. As we would expect, this is not possible in pseudogapping constructions (10a) due to lack of c-command.

- (9) a. Nobody will buy John's book, (n)or anyone ⟨buy⟩ his CD, for that matter.
 b. Mary will buy John's book, and Jane ⟨buy⟩ his CD.
 (10) a. *Nobody will buy John's book after anyone has ⟨bought⟩ his CD.
 b. Mary will only buy John's book after Jane has ⟨bought⟩ his CD.

In sum, we have seen that all relevant c-command diagnostics seem to support the asymmetric raising of the first conjunct in (4). Given this state of affairs, the fact that the subject of the second conjunct is c-commanded by another DP in gapping constructions can be used as the explanation of how it is assigned accusative case.

⁴[Repp \(2009:178\)](#) discusses examples such as (i) showing that NPIs are only licit with a distributed reading of negation and the concomitant intonation.

- (i) a. *Oh come on, John DIDN'T ever touch snails and Mary slugs.
 b. JOHN didn't ever touch SNAILS and MARY ⟨didn't ever touch⟩ SLUGS.

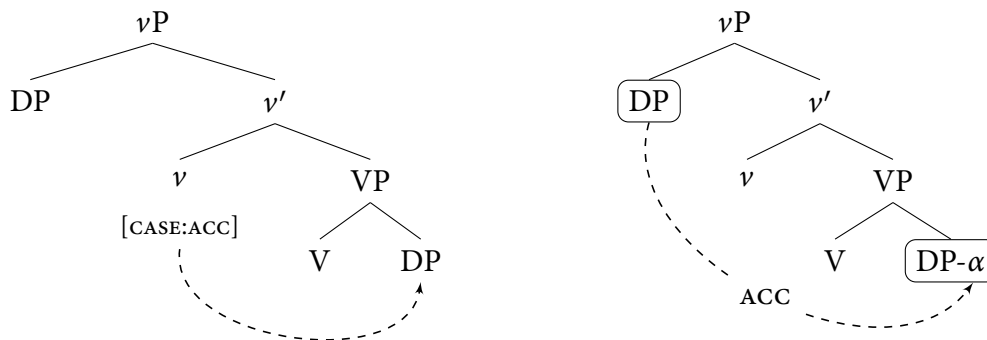
Furthermore, [López & Winkler \(2003:241\)](#) provide the example in (ii), which they argue shows that topicalization targets the ν P edge. If CPs were coordinated, then the negation would not be able to c-command the NPI adverbial.

- (ii) During dinner, he didn't [[ν P address his colleagues from Stuttgart] or [ν P at any time [ν P his boss]]] for that matter.

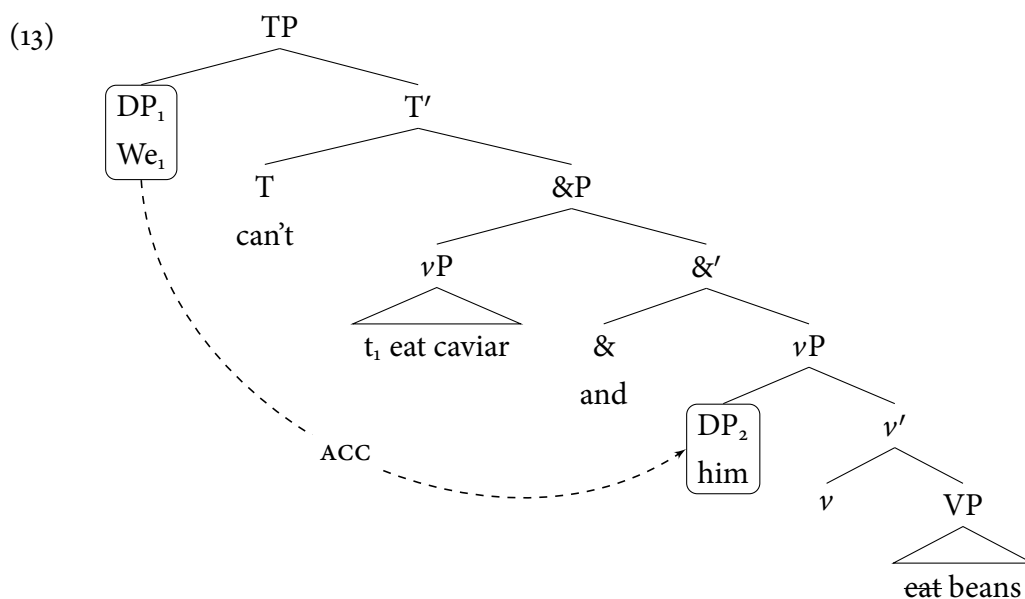
4 Raising and Dependent Case

The standard Minimalist approach to case involves assignment by a functional head, e.g. ν or T, under Agree (Chomsky 2000, 2001) as shown in (11). An alternative view is taken by *Dependent Case Theory* (e.g. Marantz 1991; Bittner & Hale 1996; McFadden 2004; Bobaljik 2008; Baker & Vinokurova 2010; Preminger 2014; Baker 2015; Levin 2015; Levin & Preminger 2015; Poole 2015; also cf. Yip et al. 1987; Wunderlich 1997 as theoretical antecedents). In this approach, case is assignment is configurational, i.e. case is assigned to one of two DPs in a c-command relation. In (12), case marking on the lower DP (indicated by α) is not licensed by a functional head ν , but rather by the presence of a higher, c-commanding DP.⁵

- (11) Case assignment by a functional head: (12) 'Dependent' case assignment:



The independently motivated assumption of asymmetric raising can be exploited in a Dependent Case approach, where accusative is assigned to a DP in the presence of a higher c-commanding DP. Therefore, when the subject of the first conjunct raises to Spec-TP, this creates a configuration in which DP₁ now c-commands DP₂ within TP. As a result dependent accusative case can be assigned to the subject of the second conjunct of two coordinated νP s under the same conditions as case assignment to the direct object of a transitive clause (i.e. local c-command) (13).



⁵ There are few different ways to implement case assignment in this system. Assignment of Dependent Case can either involve the addition of a feature such as [+inferior] (McFadden 2004:212), a case projection (KP) (Richards 2010:131) or by checking/valuation of case features (Preminger 2014; Levin 2015).

In this way, the gapping example reduces to a standard instance of accusative case assignment, licensed by independently-motivated asymmetric raising. This example forms an interesting parallel to raising-to-object constructions in Sakha (Baker & Vinokurova 2010; Levin & Preminger 2015), where a lower argument raises into case competition with a higher DP and receives accusative. The gapping example here differs in that the raised element c-commands its case competitor, rather than being c-commanded by it.

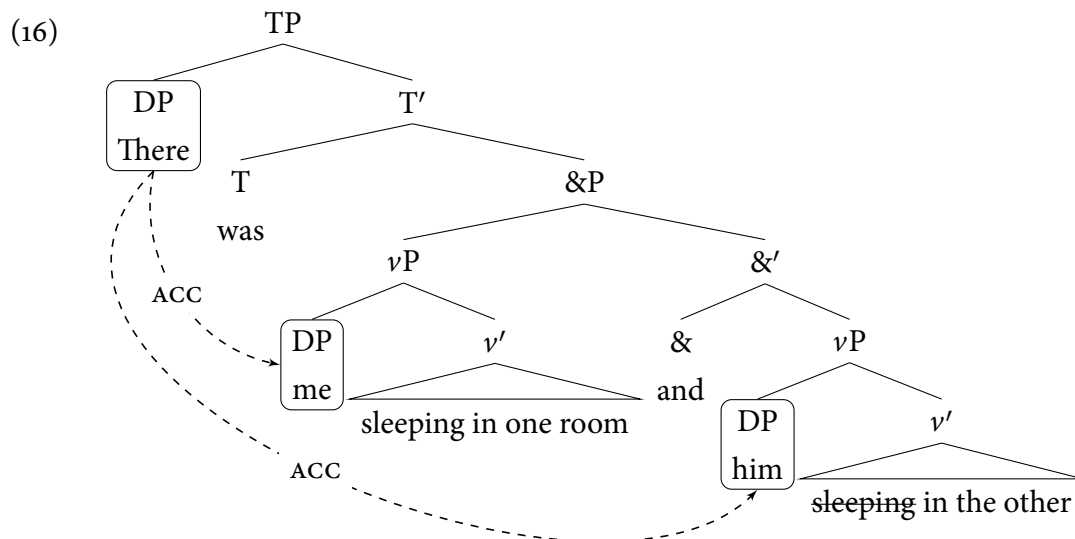
Furthermore, we saw in (6b) that binding is blocked if the expletive *there* is merged in Spec-TP. This is due to the absence of raising to Spec-TP, which creates the necessary c-command configuration. We observe a similar effect with case assignment, namely that nominative case assignment to the subject of the first conjunct is not available if it cannot raise to Spec-TP:

- (14) a. I/*me was sleeping in one room and him ⟨sleeping⟩ in the other.
b. There was me/*I sleeping in one room and him ⟨sleeping⟩ in the other.

This seems to be in line with the behaviour of subject pronouns outside of gapping contexts. As shown in (15b), *there* in Spec-TP results in obligatory accusative case on the lower subject.

- (15) a. Only I/*me was left in the room after that.
b. There was only me/*I left in the room after that.

We can account for these patterns if we assume that the expletive *there* also counts as a case competitor for the purpose of Dependent Case assignment (but cf. Baker 2015:212). Since *there* asymmetrically c-commands both of the DPs in (16), it can assign dependent accusative case to each of them.



5 Summary and outlook

In this squib, I have shown that the explanation of accusative pronouns in the second conjunct of gapping structures does not require recourse to 'default case'. Instead, the standard analysis of gapping involving asymmetric raising of the first conjunct to Spec-TP, when combined with a Dependent Case approach, actually predicts this. It was also shown that this analysis is sup-

ported by independent diagnostics suggesting that the subject of the first conjunct does in fact asymmetrically c-command the second.

However, we have not discussed the observation that examples such as (17) are reported to allow a both reading where the negation takes wide scope, but also a reading where the negation scopes below the coordination (see Siegel 1984, 1987; Oehrle 1987; Repp 2009).

- (17) Ward can't eat caviar and Sue, beans. (Siegel 1984:524)

In order to account for this variability, a number of authors pursue a hybrid approach in which gapping can also sometimes involve 'high' coordination of CPs (Centeno 2012; Potter 2014; Frazier 2015; Kubota & Levine 2016; Potter et al. to appear):

- (18) a. $[_{CP} \text{Ward can't eat caviar}] \text{ and } [_{CP} \text{Sue } \langle \text{can't eat} \rangle \text{ beans}]$ $(\wedge > \neg \diamond)$
 b. $[_{TP} \text{Ward}_i \text{ can't } [_{vP} t_i \text{ eat caviar}]] \text{ and } [_{vP} \text{Sue } \langle \text{eat} \rangle \text{ beans}]]$ $(\neg \diamond > \wedge)$

The analysis proposed here is only compatible with the low-coordination analysis in (18b). For the structure in (18a), a Dependent Case approach would predict that the subject of the second conjunct surfaces in nominative case. It would therefore seem that this makes the strong prediction that, if both the 'two-source hypothesis' and the present analysis of case assignment are correct, then accusative-marked subjects in the second conjunct should only be compatible with a wide scope interpretation of negation.

However, the results of this prediction are inconclusive since, as mentioned in footnote 1, it is unclear how natural nominative subjects in the second conjunct of gapped clauses are to begin with. It seems there is ultimately a trade-off between the two approaches: whereas CP coordination can derive distributed scope, it does not provide an adequate explanation for accusative case on subject pronouns (even under the 'default case' approach). The opposite is true of the vP coordination analysis, which can derive low scope readings and the occurrence of accusative pronouns, but has greater difficulty accounting for distributed scope. It therefore remains to be seen whether a hybrid approach to gapping can successfully provide a unified account of both the scope and the case facts.

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