

Resultatives, goal PPs, and postverbal subjects: From Scotland to Belfast¹

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This paper investigates postverbal imperative subjects (e.g. *get you to school*), ungrammatical in standard English but grammatical in certain contexts in dialects of Scottish and Belfast English. Henry (1995) reports that unaccusative verbs generally allow postverbal subjects in BelfE, but in the ScotE dialect considered here, only a very restricted subset of verbs allow it. Moreover, in ScotE, the preposition *away* can appear without an overt verb (*I'll away to my bed*); this also allows a postverbal subject in imperatives (*away you to school*). The ScotE data cast doubt on Henry (1995)'s proposal that the licenser of postverbal subjects is weak agreement. The paper argues that the subjects in these constructions are actually external arguments of small clauses (of which goal-PPs are taken to be a subset, following e.g. Beck & Snyder (2001)). The differences between dialects are located in the structure of resultatives; Belfast English allows Case to be assigned to the subject of small clauses in resultative constructions via a functional head endowed with a causation feature, allowing them to remain in situ in imperatives. In standard English, the causation feature is directly merged onto the verb, not allowing for Case assignment and forcing raising of the subject of the small clause. The ScotE data is argued to arise from the availability of a very 'light' verb which is realized as *get* in some contexts and as silence in others.

Keywords: Scottish English, imperatives, unaccusatives, resultatives, dialect variation, goal PPs

1. INTRODUCTION

In her pioneering 1995 microcomparative work on Belfast English, Alison Henry discusses the fact that, for some Belfast speakers, overt imperative subjects can appear in a position following certain verbs (1).

- (1) (a) Go you away.
 (b) Run you to the telephone.
 (c) Arrive you before six o'clock.
 (d) Leave you now.
 (e) Be elected you president. [Belfast A, Henry 1995]

In this dialect, dubbed 'Belfast A' by Henry, only a subset of verbs allow for postverbal positioning of imperative subjects. While examples like (1) are grammatical, examples like (2) are ungrammatical in this dialect.

- (2) (a) *Read you that book.
 (b) *Do you your best.
 (c) *Eat you up. [Belfast A, Henry 1995]

On this basis, Henry concludes that only subjects of unaccusatives or passive verbs can be postverbal in Belfast A imperatives; the postverbal position reflects these arguments' underlying status as objects of their verbs. Henry proposes that the difference between Belfast A and Standard English can be located in a difference concerning the obligatory movement of subjects in imperative constructions.

This article aims to elaborate the empirical and theoretical picture concerning variation between dialects of English by considering data from a dialect of Scottish English, a variety closely related to Belfast and Ulster Englishes both historically and structurally. In the variety of Scottish English under consideration, postverbal imperative subjects are grammatical, but only with a very narrow range of verbs, narrower than in Belfast A. For example, the subject of motion *get* can appear after the verb and before a goal-indicating prepositional phrase (3).²

- (3) (a) Get you to school.
 (b) Get you over here.
 (c) Get you away.
 (d) Get you down those stairs. [ScotE]

There are a very few other contexts in which a postverbal imperative subject is licit in this variety. One is with a class of verbs which I shall refer to as ‘taboo *off*’ verbs, a class of ‘rude’ verbs of motion containing the particle *off* (4a). In imperatives, these verbs allow the subject to be placed between the *off* and an (optional) directional PP (4b).

- (4) (a) He should {clear/buzz/shove/bugger/piss/sod/fuck} off.
 (b) {Clear/Buzz/Shove/Bugger/Piss/Sod/Fuck} off you (back home). [ScotE]

Scottish English also permits a construction where the preposition *away* can appear without an overt motion verb, in a type of construction which seems familiar from other Germanic varieties or from earlier varieties of English (5). This construction can also be used as an imperative (6), and licenses post-‘verbal’ subjects (7) (see also Henry 1995: 58–59, 77 for a similar construction in some Belfast dialects):

- (5) I’ll away to school. [ScotE]
 (6) (a) Away to school.
 (b) Away and see who that is at the door. [ScotE]
 (7) (a) Away you to school.
 (b) Away you and see who that is at the door. [ScotE]

However, these are the only contexts in which postverbal imperative subjects are licensed in the variety of Scottish English under investigation here. In particular, it is not the case that all unaccusative verbs allow postverbal subject placement in imperatives: the below forms, grammatical in Belfast A (1), are

ungrammatical in this Scottish variety.

- (8) (a) *Go you away.
 (b) *Run you to the telephone.
 (c) *Arrive you before six o'clock.
 (d) *Leave you now.
 (e) *Be elected you president. [ScotE]

This article therefore seeks to answer three main questions:

- (i) If the key factor licensing postverbal imperative subjects in Scottish English is not unaccusativity per se, then what is it?
- (ii) Given the answer to (i), does this answer indicate a possible revision of Henry (1995)'s analysis of Belfast A, and if so, how should the analysis be revised?
- (iii) What factor is responsible for the variation between dialects of English concerning the licensing of postverbal imperative subjects, such that Belfast English allows them with a large number of verbs, Scottish English allows them only with a very restricted set of verbs, and standard English does not allow them at all?

In the course of addressing these questions, a fourth question will also be considered:

- (iv) What is the nature of the Scottish English *away* construction, in which a motion verb can apparently be omitted (*I'll away to school/Away (you) to school!*)

The article will propose that the answer to questions (i–iii) above is to be found in the structures assumed for resultative constructions in the relevant dialects, of which goal-PP constructions are assumed to be a subset (following e.g. Beck & Snyder 2001). Specifically, it is argued that Belfast English has a structure for resultatives involving a syntactically realized (but silent) [cause] feature on a functional head which can assign Case to the subject of the small clause within

the resultative. This subject can, by dint of this, remain in situ in imperative constructions, and is not required to move to a preverbal position. By contrast, standard English lacks the functional head which assigns Case to the subject of the small clause, forcing subject movement in order to receive Case. The patterns in the ‘restricted’ (Scottish) variety are argued to result from spellouts of a particular kind of null verb, in conjunction with a [cause]-marked v_{ag} head, which allows for the assignation of Case to the subject of PP small clauses in a very few restricted constructions. In the course of answering the questions in (i–iv), the paper therefore also contributes to our understanding of the syntax and semantics of unaccusative and resultative constructions generally and of goal-PP constructions more specifically.

Before proceeding, a preliminary note on data. Throughout the paper, I indicate the dialect of English from which an example is drawn (if such a label is lacking, the judgments indicated should be taken to hold across all dialects). All data for Belfast English have been taken from Henry (1995). The main source of the Scottish English data for this paper is my introspective grammaticality judgments.³ Unless specifically noted otherwise, the paper refers to this variety simply as ‘Scottish English/ScotE’, to avoid unwieldy repetition of ‘the relevant dialect of Scottish English’. I have not aimed at empirical comprehensiveness with respect to possible dialectal variation within Scotland (or Belfast/Ulster), restricting myself to providing an analysis of the idiolect I myself have access to and making comparison with the Belfast data reported in Henry (1995). However, where I am aware of further dialectal or idiolectal variation I note this, as well as noting places where the proposed analysis is flexible enough to accommodate variation, or where it would predict variation to be ruled out.

2. COMPARING BELFAST ENGLISH WITH SCOTTISH ENGLISH

2.1. *Henry (1995)’s original analysis of Belfast A*

The basic data Henry (1995) seeks to account for in Belfast A is repeated in (9) from (1).

- (9) (a) Go you away.
 (b) Run you to the telephone.
 (c) Arrive you before six o'clock.
 (d) Leave you now.
 (e) Be elected you president. [Belfast A, Henry 1995]

There is evidence that the verb in these structures (and therefore also the subject) is structurally in a very low position. Henry shows, for example, that the verb and subject in Belfast A imperatives obligatorily appear to the right of middlefield adverbs like *always*.

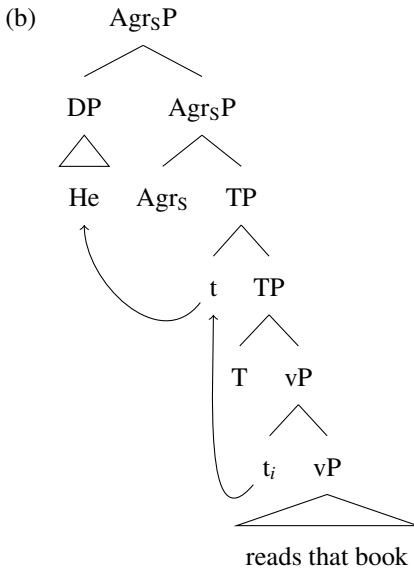
- (10) (a) Always come you here when I call you.
 (b) *Come always you here when I call you.
 (c) *Come you always here when I call you. [Belfast A, Henry 1995: 60]

This indicates that the verb in structures like (10a) has not inverted with the subject, at least not via movement to C (i.e. 'standard' subject–auxiliary inversion).⁴ Henry suggests rather that, in Belfast A imperatives, the subject remains in its base-generated position. In the case of unaccusatives or passives, this position will be postverbal, as in (11).

- (11) (a) Run you to the shops. [Belfast A]
 (b) [_{CP} ... [[_{VP} Run you] [_{PP} to the shops]]]

The question then arises as to why unaccusative subjects cannot remain in situ in standard English imperatives.⁵ Henry argues that this stems from differences between the dialects concerning the positions to which subjects must obligatorily move. Henry assumes a split IP (Pollock 1989) with separate functional projections hosting Tense (TP) and Agreement (Agr_SP). Henry further assumes that in Standard English (in declaratives), subjects obligatorily move from their vP-internal position⁶ to [Spec, TP] and ultimately [Spec, Agr_SP].

(12) (a) He reads that book.



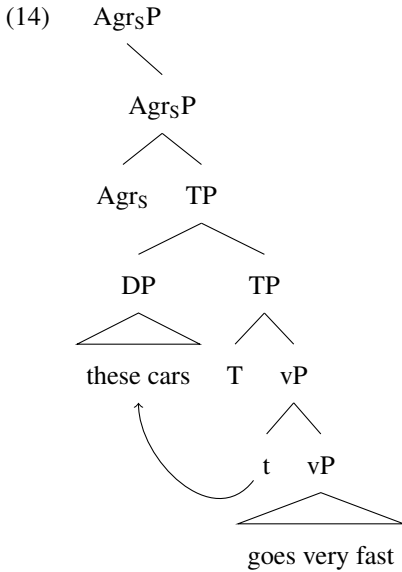
Henry argues, however, that in Belfast English, Agr_S need not prompt movement of the subject to its Spec (at least not in the overt syntax). This is, Henry argues, independently justified given that Belfast English can show a lack of number agreement between subject and verb:

(13) (a) The eggs **is** cracked.

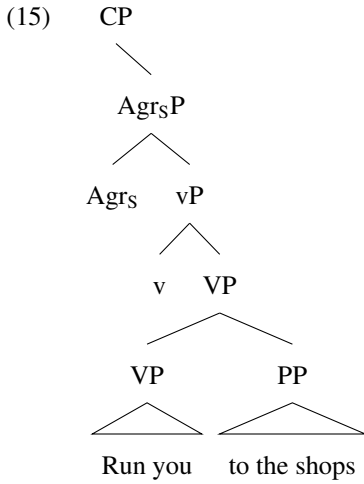
(b) These cars **goes** very fast.

[Belfast, Henry 1995: 16]

This is taken to be evidence for an optional lack of strong NP features on Agr_S, and so the subject can (optionally) raise only as far as [Spec, TP] in Belfast A:



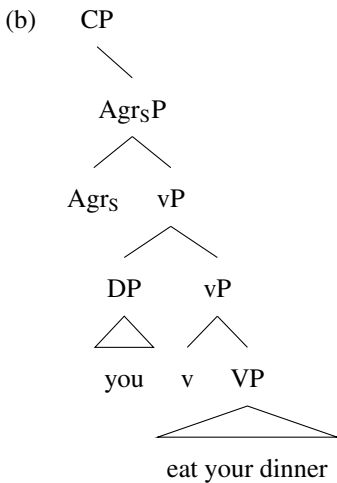
The optionality of movement into [Spec, Agr_SP] does not alter the word order in declaratives in Belfast A, as the subject still moves out of the vP/VP into [Spec, TP] – above middlefield adverbs, auxiliaries, etc. However, Henry argues that imperatives are not specified for Tense, and so in imperatives, T also bears weak features (alternatively, T is simply not present in imperatives, as proposed by many authors e.g. Beukema & Coopmans (1989), Zanuttini (1996), Platzack & Rosengren (1998), Han (2000)). If Agr_SP has the option of bearing weak features in Belfast English, and TP either has weak features or is not present in imperatives, then the subject is not forced to move to check any features in an imperative clause, and so need not move out of the vP/VP. In the case of a subject which starts as a complement of V – a passive or unaccusative subject – this results in a word order in imperatives where the subject remains in situ, in postverbal position, as shown in (15).



In unergatives or transitives, however, the subject is generated in the specifier of vP; so even if the subject does not undergo movement from its base-generated position, it will still appear preverbally in imperative transitives and unergatives (16).

(16) (a) *Eat you your dinner.

[Belfast A]



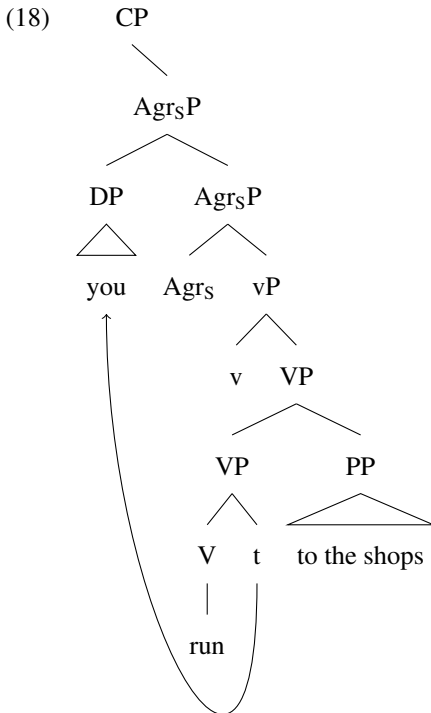
By contrast, in standard English imperatives, even if TP has weak features

or is absent from the structure, Agr_S is still strong, and still forces subject movement. So in standard English imperatives, subjects (if expressed) will always appear preverbally, i.e. will always move out of vP, even if they are underlyingly complements of V.

(17) (a) You run to the shops.

(b) *Run you to the shops.

[*StdE]



(StdE; presence of strong features on Agr_S forces subject movement)

2.2. Challenges from Scottish English

This analysis is attractive, particularly insofar as it explains why postverbal subject placement should only be available with unaccusative verbs in Belfast A, and provides a clear locus for the difference between Belfast A and standard English (weak agreement). It is also independently plausible to say that TP

does not force subject movement in imperatives (either TP is simply missing in imperatives, or imperative TP lacks an EPP feature that would force its specifier to be filled). And the analysis can be extended, at least in part, to Scottish English; in those cases where postverbal subjects are possible in Scottish English, the verb and subject are also clearly low in the structure (below middlefield adverbs). This is shown below with VP-adjoined *just*⁷ for *get* and *away*; the pattern also extends to the ‘taboo *off*’ verbs.

- (19) (a) Just get you back to school.
 (b) *Get just you back to school.
 (c) *Get you just back to school. [ScotE]
- (20) (a) Just away you to school.
 (b) *Away just you to school.
 (c) *Away you just to school. [ScotE]

However, Henry (1995)’s analysis of Belfast English faces some challenges. One is theory-internal: separate projections for agreement, such as Agr_S, were rejected in the turn to Minimalism due to their lack of interpretive import (Chomsky 1995). If this is accepted, then Henry’s analysis would at least need to be updated, as if Agr_S is no longer a separate projection from T – and if the lack of agreement in Belfast English therefore cannot be explained as the lack of strong NP features on Agr_S – then the requisite parametric difference between Belfast A and standard English can no longer be stated; that is, it is not clear why Belfast English allows subjects to remain in situ in imperatives (but forces them to move in declaratives), while standard English forces subject movement in all cases.

However, beyond this theory-internal issue, Scottish English provides empirical grounds to doubt that (the lack of) agreement is the key determinant in the licensing of postverbal imperative subjects. There are speakers of Scottish English (in particular dialects spoken in the north-east) who show an agreement

pattern similar to the Belfast pattern illustrated in (13), roughly speaking singular agreement with third-person plural non-pronominal subjects (the ‘Northern Subject Rule’; for detail and refinements see e.g. Pietsch (2005), Smith (2000), Adger & Smith (2010)). However, many Scottish English speakers do not accept such sentences – and crucially, there does not appear to be a correlation between acceptance of singular-agreement sentences like (13), and acceptance of low-subject imperatives like *Get you to school*. My own idiolect, for example, does not accept singular-agreement sentences like *the eggs is cracked* or *the boys gets to school at 9 a.m.*, but does allow for low-subject imperatives with the subset of verbs enumerated in section 1.⁸ More crucially, acceptance of singular-agreement sentences does not seem to correlate with acceptance of low-subject imperatives with unaccusatives or motion verbs in general (i.e. forms like *go you home*). This is surprising if Henry’s account is correct: on the fact of it, Henry’s analysis predicts that systematic singular agreement with plural subjects (i.e. weak features on Agr_S) in ANY dialect of English should allow for postverbal imperative subjects (i.e. a failure of the subject to raise to Agr_SP in imperatives).

An anonymous reviewer points out that the above argument could rather be taken as evidence that singular agreement in Belfast and in Scots have different etiologies (and points out that the Northern Subject Rule agreement patterns are not precisely identical to the Belfast patterns, Adger & Smith (2010)), and that it is logically possible for the ‘weak Agr_S’ analysis to be correct for Belfast A while some other analysis is correct for Scots. However, as the same reviewer points out, such an approach would require a disunified analysis of both agreement and of low-subject imperatives in Belfast A and in Scots; and postverbal imperatives in Scottish English show enough of a family resemblance with the Belfast pattern to make a unified analysis inviting. In particular, the basic idea that (overt) imperative subjects are forced to raise in standard English, but can (in certain constructions) remain in their base-generated position in Belfast A and in Scottish English, seems like a sound one: those verbs which do allow postverbal subjects in Scottish English are motion verbs, and are plausibly therefore unaccusatives

(with postverbal subjects), even if not all unaccusatives allow postverbal subjects in Scottish English. The evidence from verb placement with respect to middlefield adverbs also indicates that postverbal imperative subjects are in a very low position in Scottish English. In what follows, then, I propose a reanalysis of the Belfast data, which I argue can also be extended to account for the more restricted pattern seen in Scottish English, as well as identifying the locus of variation between varieties in terms of which verbs/structures allow postverbal subjects.

3. BELFAST ENGLISH: A REANALYSIS

3.1. *The importance of small clauses*

I suggest that it is of key importance that almost all of the Belfast English data adduced by Henry (1995) involve the combination of an unaccusative or passive verb with a complement such as a PP, or in the case of (21c), a resultative small clause.

- (21) (a) Go you **to school**.
 (b) Run you **over there**.
 (c) Be elected **you president**. [Belfast A, Henry 1995]

Henry notes that postverbal subjects of motion verbs are, in almost all cases, ungrammatical if a PP is absent, or denotes a location rather than a goal:

- (22) (a) *Run you.
 (b) *Run you in the garden.
 (c) *Run you every day if you want to keep fit. [Belfast A, Henry 1995: 52–53]

The only exceptions are verbs of motion which inherently specify a goal or source, such as *arrive* and *leave*, which do not require a directional PP:

- (23) (a) Arrive you before six o'clock.

- (b) Leave you now. [Belfast A, Henry 1995: 53]

Henry interprets this in terms of variable unaccusativity: verbs of motion like *run* are analyzed as telic – and therefore unaccusative, following work by Angeliek van Hout and others (e.g. van Hout 2004) – when combining with directional PPs, and atelic (and therefore unergative) in other cases. Henry argues that verbs such as *run* only allow postverbal subjects in their unaccusative frame (that is, a frame in which the subject is underlyingly a direct object of the verb). Verbs like *arrive* and *leave* are invariable unaccusatives, and so always allow postverbal subjects.

I propose, however, to reanalyze the importance of the PP in these structures. In one prominent family of analyses (Hoekstra & Mulder 1990, Beck & Snyder 2001, Ramchand & Svenonius 2002, Svenonius 2003, 2007, 2010, Beck 2005, Folli & Harley 2006), goal-PP constructions such as *He ran to the park* have been treated as resultative constructions, where the PP denotes a small clause and contains an external argument; that is, the underlying structure of (24a) is something like (24b).⁹

- (24) (a) John ran to the park.
 (b) [_{VP} run [_{PP} John to the park]]

On such a view, the apparent internal argument of a verb of motion combined with a goal-PP would not directly be an argument of the verb. Rather, it is an external argument of the PP shell structure that the verb combines with. Further discussion of and evidence for this analysis will be given below; but if this is indeed the correct analysis of goal-PP constructions, then the generalization about Belfast English may not be that unaccusative subjects (in general) are in an underlying postverbal position in imperatives. It may rather be something like (25).

- (25) In the absence of an external argument of the verb (i.e. in passives or if the main verb is unaccusative), the subject of resultative small clauses can

remain in situ in Belfast English imperatives, but must raise to a higher position in standard English.

The generalization in (25) is particularly inviting in view of the example *Be elected you president*, grammatical in Belfast English, but not in standard English, where the subject (if expressed) is forced to raise, resulting in the order *You be elected president*.

I propose that the generalization in (25) can be implemented in a relatively simple way, by proposing that the grammar of transitive resultative constructions subtly differs between Belfast English and standard English. In Belfast English, a functional head intervenes between verb and small clause, the purpose of which is to semantically encode the causation relation between the two, and which assigns Case to the subject of the small clause. Such subjects therefore do not have to raise for Case in imperatives. In Standard English, the feature which encodes this semantic relation is not present on a functional head between verb and small clause, but rather is merged as an affix onto the verb itself – the differing syntactic configuration resulting in different Case assignment possibilities; in standard English, subjects of small clauses must raise to get Case. In the rest of this section, I outline assumptions about the syntax of semantics of resultatives underlying such an analysis of the relevant difference between Belfast English and standard English, before returning to how Scottish English might be analyzed in section 4.

3.2. *The syntax and semantics of resultatives*

I start by considering intransitive resultatives as in (26), exemplified with the obligatorily intransitive verb *vote*, and transitive resultatives as in (27), exemplified with the obligatorily transitive verb *elect* (cf. Carrier & Randall 1992).

- (26) (a) The people voted.
 (b) *The people voted Kennedy.
 (c) The people voted Kennedy president.

- (27) (a) *The people elected.
 (b) The people elected Kennedy.
 (c) The people elected Kennedy president.

There are various reasons to believe that, in both (26) and (27), *Kennedy president* is a small clause, a constituent to the exclusion of the verb (Hoekstra 1988, contra Carrier & Randall 1992). Scope tests, and in particular the interpretation of *again* (Dowty 1979, von Stechow 1996, Beck 2005 a.o.), have been taken as evidence for this, as in (28).

- (28) The hereditary king of Sylldavia was deposed by the military; however, after the abolition of the junta, the people voted/elected him king again.

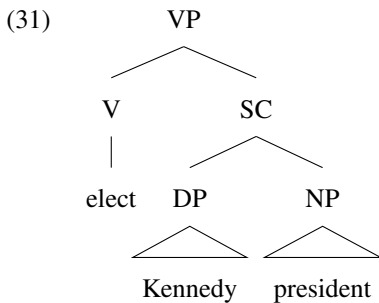
In (28), there had never previously been an election (and note that *The people elected him again* is a presupposition failure); *again* is rather modifying the constituent *him king*, i.e. he is once again king. Crucially, the availability of this restitutive reading tracks the syntactic position of *again*: it is not available in (29) (von Stechow 1996).

- (29) [same context as (28)]
 #Again the people voted/elected him king. (only repetitive = there had been an election before)

We will focus first on the case of transitive resultatives such as (27c). Even if *Kennedy* is the subject of a small clause headed by *president*, it must also be interpreted as the theme of the event of election semantically. (I return to the semantic detail of this claim shortly below.) One way of accomplishing this would be to assume that *elect* takes both an object (*Kennedy*) and a small clause with a PRO subject controlled by *Kennedy* (cf. the ‘Hybrid SC Analysis’ discussed by Carrier & Randall (1992), and Bowers (1997)).

- (30) the people [_{VP} [_{VP} elected Kennedy_i] [_{SC} PRO_i president]]

However, I assume along with Kratzer (2005: 206) that PRO is not available in structures like (30): ‘the known occurrences of PRO...all occur in environments where a fair amount of functional structure intervenes between it and its antecedent...It includes agreement morphology, which is responsible for establishing the anaphoric relationship between PRO and its antecedent’. There is no such functional structure between *Kennedy* and PRO in (30). Rather, I assume that *Kennedy* is indeed the subject of a small clause which is complement of *elect* (what Carrier & Randall (1992) term the ‘Binary SC analysis’).



If this is right, then something has to be done about *elect*’s obligatory transitivity. There has to be some way of relating transitive *elect* (27b) and the *elect* that takes a small clause (27c), by (a) reducing the valence of *elect* to be intransitive, (b) ensuring that *elect*’s logical object/theme is identified with the subject of the small clause, and (c) ensuring that the structure overall will bear a causative/resultative meaning. Here I propose a way of doing this, building on Kratzer (2005)’s analysis of intransitive resultatives, which – as we will see – leads to positive consequences for the (re)analysis of the Belfast A data.

Suppose that the small clause *Kennedy president* denotes a property of states of Kennedy being president, type $\langle s, t \rangle$:

$$(32) \quad \llbracket \text{Kennedy president} \rrbracket = \lambda s. \text{president}(\text{Kennedy})(s)$$

And that the verb *elect* is underlyingly semantically transitive, that is, it is a

relation between an event and a theme (the person elected), type $\langle e, st \rangle$ (the external/Agent argument, the elector, being introduced higher in the clause by a v_{ag} head, Kratzer (1996)).

- (33) (a) The people elected Kennedy.
 (b) $\llbracket \text{elect} \rrbracket = \lambda x. \lambda e. \mathbf{elect}(x)(e)$
 (c) $\llbracket \text{elect Kennedy} \rrbracket = \lambda e. \mathbf{elect}(\mathbf{Kennedy})(e)$

The verb *elect* can combine with an argument like *Kennedy*, as in (33c), but it is not of the correct semantic type to combine with the small clause *Kennedy president*.¹⁰ Something is needed to resolve this type mismatch. The property of states in (32) could be shifted by the application of the function in (34), for example (an adaptation of a similar proposal in Kratzer 2005:195f.).

$$(34) \quad \lambda P_{\langle s, t \rangle}. \lambda V_{\langle e, st \rangle}. \lambda e. \exists s. P(s) \ \& \ \mathbf{cause}(s)(e) \ \& \ V(\iota x. \mathbf{figure}(x)(s))(e)$$

In (34), **cause** is a relation between events e and states s such that e directly causes s , that is (roughly) that s is an end-state of e and if e had not happened, s would not hold (following Lewis 1973, Kratzer 2005); and **figure** is a relation between states s and individuals x such that x is the Figure (as opposed to Ground) of s , the salient or foregrounded entity in s (cf. Talmy 1978); ' $\iota x. \mathbf{figure}(x)(s)$ ' denotes the foregrounded entity in s .

The effect of the shift in (34) is to saturate the internal argument of an transitive verb, identifying it with the 'figure' of the small clause, and to introduce a causative relation between the event denoted by the verb and the state denoted by the small clause. This can be seen more concretely by stepping through how (34) would apply in (31). The shift would apply between the verb *elect* and the small clause *Kennedy president*, applying first to *Kennedy president*:

- (35) (34) applied to $\llbracket \text{Kennedy president} \rrbracket$:
 $\lambda V_{\langle e, st \rangle}. \lambda e. \exists s. \mathbf{president}(\mathbf{Kennedy})(s) \ \& \ \mathbf{cause}(s)(e) \ \& \ V(\iota x. \mathbf{figure}(x)(s))(e)$

The function in (35) then in turn takes the transitive verb, here *elect*, as its argument:

(36) (35) applied to $\llbracket \text{elect} \rrbracket$:

$$\lambda e. \exists s. \text{president}(\text{Kennedy})(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{elect}(\iota x. \text{figure}(x)(s))(e)$$

The result is a predicate of events (i.e. the type of a intransitive verb). Those events are such that they cause a state s of which P holds (in this case, a state in which Kennedy is president), and they are events of electing the Figure of this resultant state. In (36), the figure of the end-state caused by an event of election, in which state Kennedy is president, is picked out; it is reasonable to assume that the ‘figure’ in all such states is Kennedy himself. In this way, the ‘figure’ of the small clause can be identified with the theme of the event of election.

The shift in (34), when applied to a small clause and a verb, then does what was required: it introduces a causal relation between the event denoted by the verb and the state denoted by the small clause, and it reduces the valency of the verb, saturating its internal argument and identifying it with the figure of the state denoted by the small clause (the end-state of the causal event).

Note that this shift, and in particular the identification of the subject of the small clause with the thematic object of the verb, leads to a slightly different outcome from Kratzer (2005)’s treatment of intransitive resultatives like (37).

(37) John drank the teapot dry.

In such a case, the apparent object (*the teapot*) is clearly not semantically an argument of the verb (Hoekstra 1988, Kratzer 2005), as it is not the teapot which is drunk (which is even clearer in examples like *John drank the pub dry*). Kratzer proposes that *drink* is basically intransitive (38a), and that the small clause (which denotes the state of the teapot being dry, (38b)) is shifted (38c) without saturating any internal argument of the verb, leading to the denotation in (38d).

(38) (a) $\llbracket \text{drink} \rrbracket = \lambda e. \text{drink}(e)$

- (b) $\llbracket \text{the teapot dry} \rrbracket = \lambda s. \mathbf{dry}(\mathbf{teapot})(s)$
- (c) causative shift: $\lambda P_{\langle s,t \rangle}. \lambda e. \exists s. P(s) \ \& \ \mathbf{cause}(s)(e)$
(Kratzer 2005: 200, slightly adapted)
- (d) causative shift applied to $\llbracket \text{the teapot dry} \rrbracket$:
 $\lambda e. \exists s. \mathbf{dry}(\mathbf{teapot})(s) \ \& \ \mathbf{cause}(s)(e)$

The verb *drink* can then combine with (38d) intersectively to deliver (39):

- (39) $\llbracket \text{drink} [\text{the teapot dry}] \rrbracket = \lambda e. \exists s. \mathbf{dry}(\mathbf{teapot})(s) \ \& \ \mathbf{drink}(e) \ \& \ \mathbf{cause}(s)(e)$

If the above proposals are on the right track, this predicts a difference between resultatives built on basically intransitive verbs such as *drink* and those built on obligatorily transitive verbs such as *elect*: the former do not, but the latter do, identify the subject of the small clause with the theme of the event. This is a welcome conclusion already for the case of *drink the teapot dry*, where one does not want to identify the teapot as the theme of the drinking. It is also a welcome conclusion for transitive verbs like *elect*. Consider the below contrast between obligatorily intransitive *vote* and obligatorily transitive *elect*.

- (40) (a) The people voted (*Kennedy).
(b) The people elected *(Kennedy).
- (41) (a) The people voted Kennedy president/into the White House.
(b) The people elected Kennedy president/into the White House.
- (42) (a) The people voted Carter out of a job/onto the dole queue.
(b) #The people elected Carter out of a job/onto the dole queue.

The interpretations of (41) are unsurprising on the treatments given above: there is an event of voting (respectively election) which causes Kennedy to be President/in the White House, and in (41b), Kennedy – the figure of the resultant state in which he is president – is the theme/patient of the election. What happens with (42), by contrast? The denotations of the verb phrases (that is, ignoring the

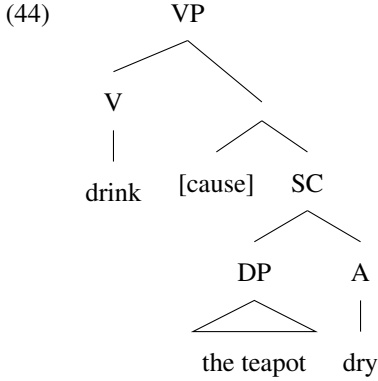
subject/agent *the people*) in these cases are as below, applying the semantic rules above.

- (43) (a) $\llbracket \text{vote Carter onto the dole queue} \rrbracket = \lambda e. \exists s. \text{onDoleQueue}(\text{Carter})(s) \& \text{vote}(e) \& \text{cause}(s)(e)$
(b) $\llbracket \text{elect Carter onto the dole queue} \rrbracket = \lambda e. \exists s. \text{onDoleQueue}(\text{Carter})(s) \& \text{elect}(\iota x. \text{figure}(x)(s))(e) \& \text{cause}(s)(e)$

Nothing is deviant about (43a); a voting event could easily cause a state in which Carter is on the dole queue. However, (43b) describes events which have as their end-state Carter being on the dole queue and in which the figure of this end-state (Carter) was the theme of the election. Given this contradiction – the themes of events of election are the winners, not the losers – (42b) comes out contradictory/deviant.¹¹

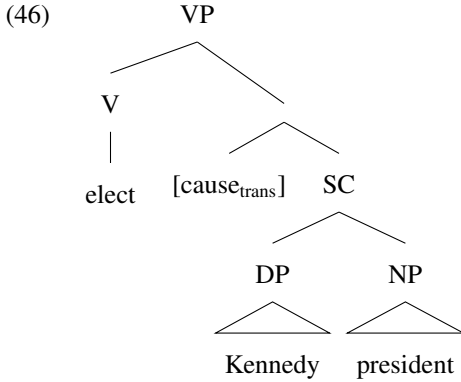
3.3. Encoding causation in syntax – in Belfast English and standard English

Suppose that shifts such as those discussed above are available and mediate between verbs and small clauses in resultative constructions. How are these shifts encoded in grammar? One option is to assume that there are special rules of semantic composition, or type-shifting, which apply to structures like (31), where a verb composes with a predicate of states. Such a rule, for example, is proposed by von Stechow (1995) for resultatives under the name of ‘Principle R’, further extended by Beck & Snyder (2001) to goal-PP constructions. An alternative, explored by Kratzer (2005) and which I would like to adopt here, is that the shift is represented directly in the syntax, by means of a (possibly silent) head or feature with an appropriate semantics. Kratzer (2005) proposes that, in resultative constructions with intransitive verbs, an affixal morpheme [cause] appears atop the small clause (44). This morpheme has the semantics in (45a); it shifts the stative denotation of the SC (38b) into a predicate of events of causing such states to come about (45b).



- (45) (a) $\llbracket[\text{cause}]\rrbracket = \lambda P_{\langle s,t \rangle} . \lambda e . \exists s . P(s) \ \& \ \mathbf{cause}(s)(e)$
 (b) $\llbracket[\text{cause}] \text{ the teapot dry} \rrbracket = \lambda e . \exists s . \mathbf{dry}(\mathbf{teapot})(s) \ \& \ \mathbf{cause}(s)(e)$

Suppose that the shift that I have proposed for transitive verbs can be encoded in a similar way, on a morpheme/feature – call it $[\text{cause}_{\text{trans}}]$ – which mediates between transitive verbs and small clauses.

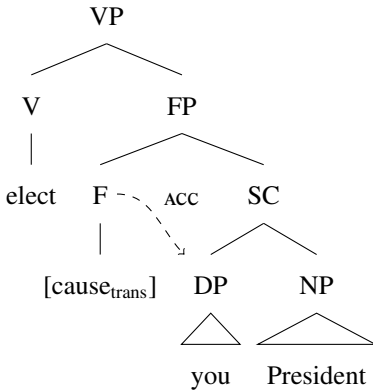


- (47) (a) $\llbracket[\text{cause}_{\text{trans}}]\rrbracket = \lambda P_{\langle s,t \rangle} . \lambda V_{\langle e,st \rangle} . \lambda e . \exists s . P(s) \ \& \ \mathbf{cause}(s)(e) \ \& \ V(\iota x . \mathbf{figure}(x)(s))(e)$
 (= (34))
 (b) $\llbracket[\text{cause}_{\text{trans}}] [\text{Kennedy president}]\rrbracket = \lambda V_{\langle e,st \rangle} . \lambda e . \exists s . \mathbf{president}(\mathbf{Kennedy})(s) \ \& \ \mathbf{cause}(s)(e) \ \& \ V(\iota x . \mathbf{figure}(x)(s))(e)$

- (c) $\llbracket \text{elect} \rrbracket = \lambda x. \lambda e. \text{elect}(x)(e)$
- (d) $\llbracket [\text{elect} [[\text{cause}_{\text{trans}}] [\text{Kennedy president}]]] \rrbracket = \lambda e. \exists s. \text{president}(\text{Kennedy})(s) \& \text{cause}(s)(e) \& \text{elect}(\iota x. \text{figure}(x)(s))(e)$
 $= \lambda e. \exists s. \text{president}(\text{Kennedy})(s) \& \text{cause}(s)(e) \& \text{elect}(\text{Kennedy})(e)$

Suppose now too that this $[\text{cause}_{\text{trans}}]$ feature is, or can be, introduced on a functional head which is capable of assigning accusative Case downwards to the subject of the small clause.

(48) (Belfast A)

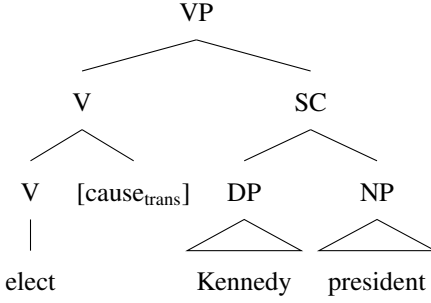


If this is possible, at least in Belfast English, then we can explain why the word order *Be elected you President* is grammatical in imperatives in Belfast English. The subjects in such structures – actually the arguments of the embedded small clauses, not on this view (syntactic) arguments of the verb – must raise in declaratives to satisfy the EPP (*You were elected President*), but in imperatives, where the EPP is by hypothesis not active, the subject need not raise, even for Case, as it has its Case needs satisfied by the functional head which hosts $[\text{cause}_{\text{trans}}]$.

What is the difference with standard English? I propose that, in standard English, the $[\text{cause}_{\text{trans}}]$ feature is merged, not as a head above the small clause, but rather directly onto V. This requires a reversal in the order of the arguments of

[$\text{cause}_{\text{trans}}$], but otherwise, composition can proceed unproblematically.

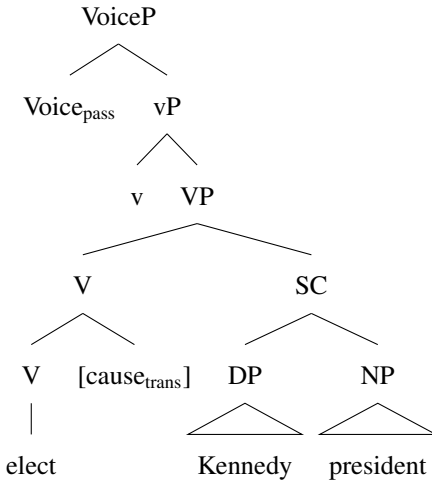
(49) (Standard English)



- (50) (a) $\llbracket [\text{cause}_{\text{trans}}] \rrbracket = \lambda V_{\langle e, st \rangle}. \lambda P_{\langle s, t \rangle}. \lambda e. \exists s. P(s) \ \& \ \text{cause}(s)(e) \ \& \ V(\iota x. \text{figure}(x)(s))(e)$
- (b) $\llbracket (49) \rrbracket = \lambda e. \exists s. \text{president}(\text{Kennedy})(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{elect}(\iota x. \text{figure}(x)(s))(e)$
 $= \lambda e. \exists s. \text{president}(\text{Kennedy})(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{elect}(\text{Kennedy})(e)$
 $(= (47d))$

However, this structure does not contain any functional head assigning Case to the subject of the small clause *Kennedy*. In a passive structure, there is no other source for Case within the extended verbal projection either:

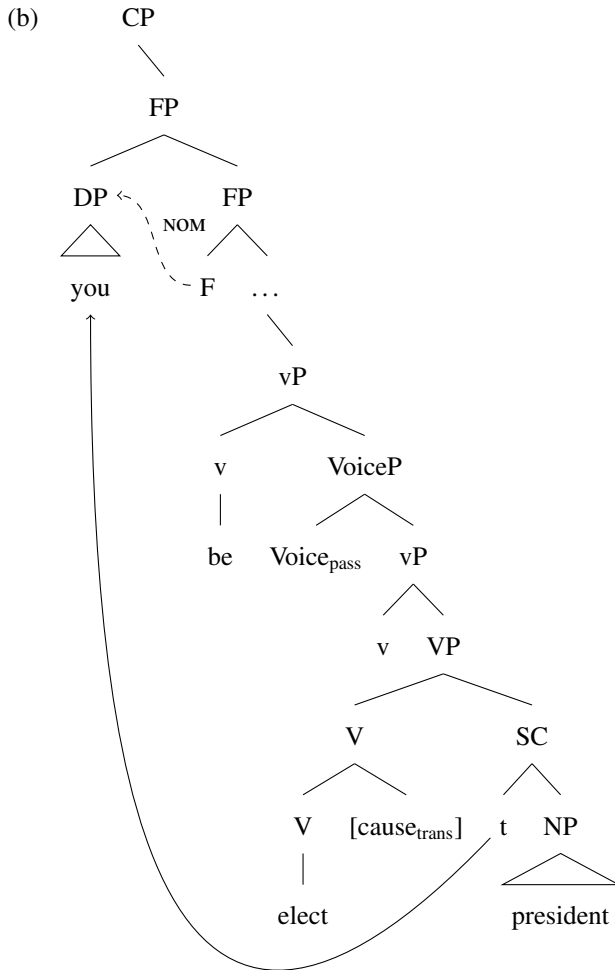
(51) (Standard English)



In structures like (51) in standard English, then, the subject of the small clause will have to raise for Case. In declaratives, this would be to [Spec, TP] (*Kennedy was elected president*). Given the grammaticality (in all Englishes) of overt-subject imperatives where the subject is preverbal (*you be elected president*, *everybody eat their dinner* etc.), I assume that there is some preverbal functional projection also in imperatives to which the subject can move and receive Case. I remain agnostic here about what this projection is; it could be T, as in declaratives, and as Zanuttini et al. (2012) suggest (cf. Rupp (2007) on IP in imperatives; *pace* Henry (1995) and the references cited in section 2 for the lack of TP in imperatives); if so, it would have to be a T exceptionally lacking the EPP-property which forces subject movement (as we do not want subject movement to this high position to be forced in Belfast A imperatives). To remain neutral on the matter here, I show this projection as FP in (52). This movement is optional in Belfast A, because the subject of the small clause can get Case in situ from the functional

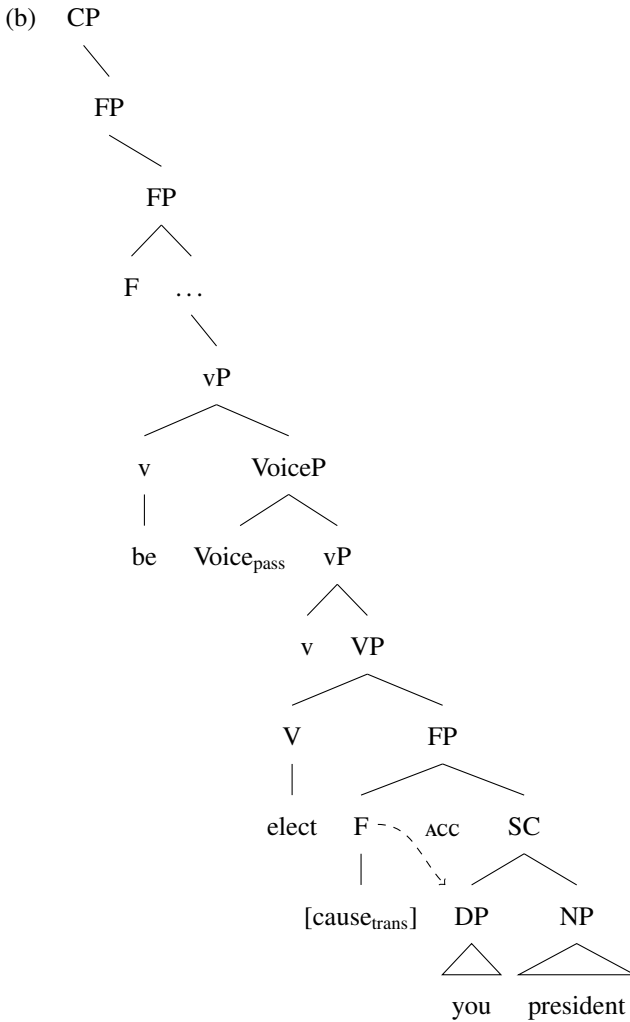
head hosting $[\text{cause}_{\text{trans}}]$ as in (48); but in standard English, the requirements of the Case Filter force overt imperative subjects to raise to this higher position.¹²

(52) (a) You be elected president! [StdE]



(53) (a) Be elected you president!

[Belfast A]



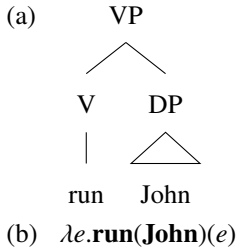
3.4. Goal-PP constructions and resultatives

Let us now return to verbs of motion. Suppose that these are always ‘basically’ unaccusative, that is, that they take an internal argument; they are the same semantic type as transitive verbs, but have no external argument introduced by a *v* head.

$$(54) \quad \llbracket \text{run} \rrbracket = \lambda x. \lambda e. \mathbf{run}(x)(e)$$

Simple cases, with no PP, have the structure in (55a) and the interpretation in (55b).

(55) John runs.



As discussed above, many authors have argued that verbs of motion with goal-PP constructions are in fact resultative constructions, where the PP denotes something like a small clause. One important argument in favor of this treatment is again the behavior of *again*. With transitive verbs involving an (apparent) object and a goal PP, it is clear that *again* can take scope over a stative component alone (i.e. a restitutive reading):

(56) A cat I didn't know came in through the cat flap...

(a) ...so I threw the cat out again.

(b) #...so again I threw the cat out.

In (56a), *again* must be taking semantic scope only over *the cat out* (as there hasn't been a previous throwing event). As before, this is sensitive to syntactic placement; the restitutive reading goes away in (56b). Beck (2005) notes that this is true also for intransitive goal-PP constructions.

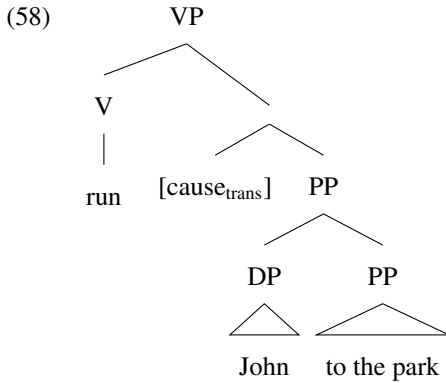
(57) The unknown cat came in (to the house), and then...

(a) ...it ran out (of the house) again.

(b) #...it again ran out of the house.

This suggests that, at some syntactic level, there is a constituent *the cat out of the house* which is being modified by *again* in (57a) (but not in (57b), where *again* takes scope over the whole verb phrase including *ran*).

To capture this, we can give verbs like *run* the same treatment as reviewed above for transitive verbs like *elect*. The valency-reducing causative shift can mediate between a PP small clause *John to the park* and the verb.

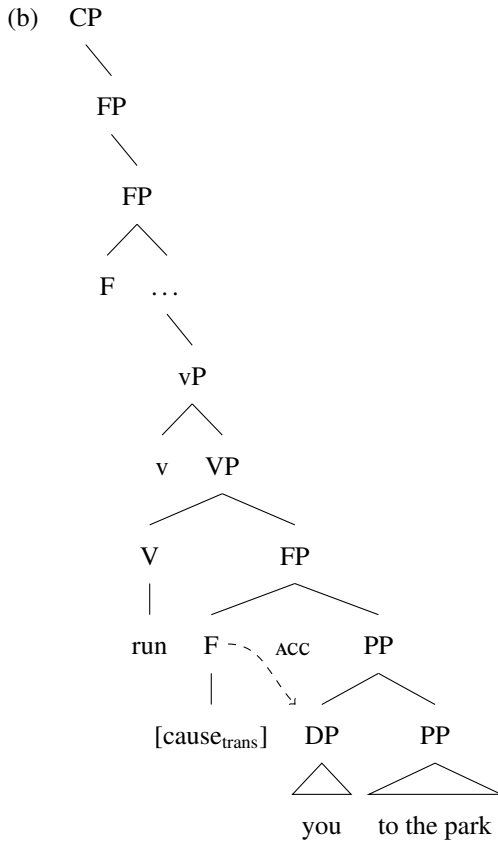


- (59) (a) $\llbracket \text{run} \rrbracket = \lambda x. \lambda e. \text{run}(x)(e)$
 (b) $\llbracket \text{John to the park} \rrbracket = \lambda s. \text{at}(\text{park})(\text{John})(s)^{13}$
 (c) $\llbracket \text{run} [\text{cause}_{\text{trans}}] [\text{John to the park}] \rrbracket = \lambda e. \exists s. \text{at}(\text{park})(\text{John})(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{run}(\iota x. \text{figure}(x)(s))(e)$
 $= \lambda e. \exists s. \text{at}(\text{park})(\text{John})(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{run}(\text{John})(e)$
 ‘a running event which causes a state of John being at the park and whose theme is the figure of that end-state (i.e. John)’

If this is right, then we capture the differing behavior of goal-PP constructions in imperatives in Belfast A and in standard English in the same way as above for passive transitive resultatives such as *elect X president*: $[\text{cause}_{\text{trans}}]$ is merged in a functional head above the small clause in Belfast A, but merged directly onto the verb in standard English, leading to a difference in Case assignment possibilities.

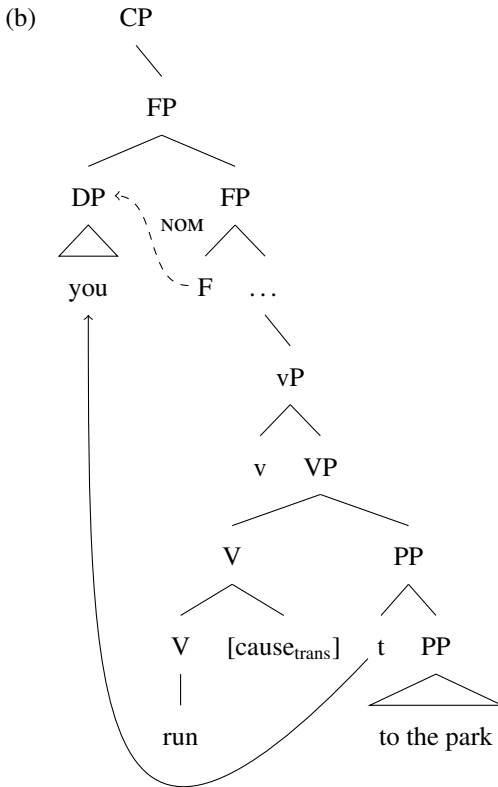
Apparent subjects – not syntactic arguments of the verb, but rather subjects of the PP small clause – can remain in situ in Belfast A, (60), as they can receive Case from [$\text{cause}_{\text{trans}}$]; but they must raise in standard English to receive Case.

(60) (a) Run you to the park. [Belfast A]



(61) (a) *Run you to the park. / You run to the park.

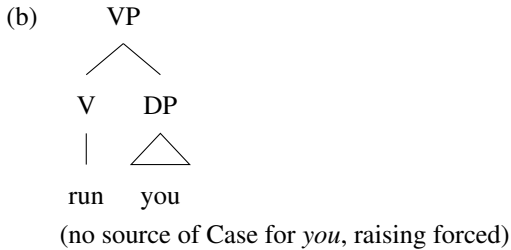
[StdE]



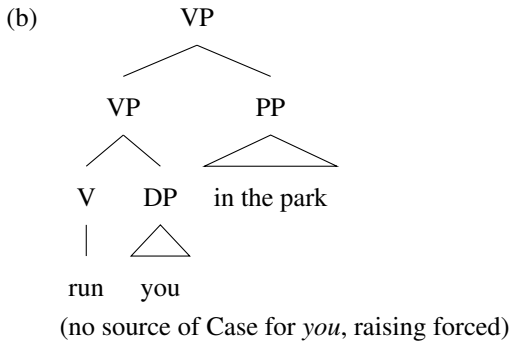
Note that this analysis correctly rules out postverbal imperative subjects even in Belfast A without a goal-PP or other small clause. In (62), there is no small clause (and no [cause_{trans}]) to assign Case; while in (63), the locative PP does not denote a resultant state of the running, and so would not be composed with the

verb via [*cause_{trans}*] (plausibly simply being an adjunct to VP).

- (62) (a) You run. / *Run you.



- (63) (a) You run in the park. / *Run you in the park.



The cases left to consider are verbs like *arrive* and *leave*, which have directionality ‘built in’ to them, and which allow postverbal subjects in Belfast A:

- (64) (repeated from (23))

(a) Arrive you before six o’clock.

(b) Leave you now.

[Belfast A, Henry 1995: 53]

The verbs *arrive* and *leave* do not combine with goal PPs (but rather only locative ones: *arrive at the party*, **arrive to the party*). However, such verbs have in fact been argued by Moro (1997) and Hale & Keyser (2000) to combine with a small

clause, a covert PP.

- (65) (a) [_{VP} arrive [_{PP} John *there*]]
 (b) [_{VP} leave [_{PP} John *away*]]

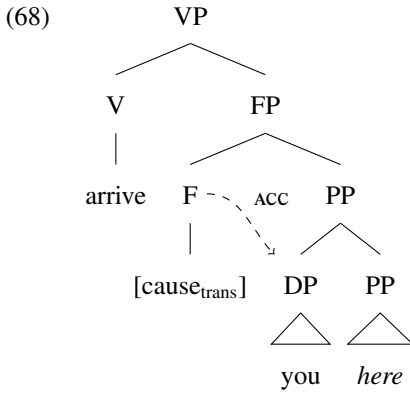
The covert *there/away* which I indicate in (65) may be an instantiation of Kayne (2007)'s abstract PLACE (see also Collins 2007). Moro (1997) proposes the syntax in (65) as an explanation for the grammaticality of *there*-insertion with verbs like *arrive* (*There arrived many students*); *there* is an overt realization of the covert PP, which can raise to subject position. Note also the similar behavior of *again* in being able to take scope over the resultant state alone (i.e. a restitutive reading) – and the sensitivity to syntactic placement:

- (66) The new students arrived...
 (a) ...and then they left again. (i.e. they were once more not there)
 (b) #...and then they again left. (# if they have never left before)

If *arrive* and *leave* introduce their subjects in (covert) PPs, the above behavior can be understood in terms of the constituent that *again* modifies.

- (67) (a) [_{VP} leave [[_{PP} the students *away*] again]]
 (restitutive, once more not there)
 (b) [again [_{VP} leave [_{PP} the students *away*]]]
 (repetitive, a second leaving)

If this analysis of *arrive* and *leave* is correct, then this allows for the same treatment of postverbal imperative subjects as internal to a PP, and receiving Case from a functional head bearing [_{cause_{trans}}].



3.5. *Interim summary*

I have so far proposed that the distinction between Belfast English and standard English is not a general one concerning the movement of subjects, but rather concerns a difference in the structure of resultative constructions (including goal PP constructions), and a concomitant difference in Case licensing between the two varieties. This proposal assumes that the (semantic) arguments of verbs like *run* can either be introduced as complements of the verb, or as the external argument of a PP.¹⁴

The reader might wonder if there is a simpler possibility for encoding the difference between standard and Belfast Englishes on this account: rather than suggesting a different geometry for resultative constructions (i.e. a different position for [cause_{trans}]), might it rather simply be the case that F (the functional head bearing [cause_{trans}]) can assign Case in Belfast English but not in standard English? This would be an ‘uninteresting’ stipulation, but the position of [cause_{trans}] is also a stipulation. I argue, however, that locating the difference in the position (and order of application of arguments) of [cause_{trans}] allows the analysis to naturally extend to capture the more restricted patterns of postverbal imperative subjects seen in Scottish English. The remainder of the paper takes up the task of showing this.

4. SCOTTISH ENGLISH IN MORE DETAIL

Recall that, in Scottish English, some – but very few – verbs allowed postverbal subjects in imperatives.

- (69) (a) Away/get/clear off you to school.
 (b) *Go/run you to school.
 (c) *Be elected you president.
 (d) *Eat you your dinner. [ScotE]

The example in (69d), with the transitive verb *eat*, is ruled out presumably because the subject (as an external argument) is always structurally superior to the verb. However, if the subject in (69b, c) is underlyingly the subject of a resultative small clause/PP, then this suggests that this subject cannot receive Case in (69b, c) in Scottish English. If the analysis presented in the previous section is on the right track, this suggests that the general structure of (transitive) resultatives (including goal PP constructions) in Scottish English involves merging [*cause*_{trans}] onto the verb, not as a separate head above the small clause which can assign Case to its subject. That is, Scottish English (like standard English, and unlike Belfast A) only has the version of [*cause*_{trans}] which combines first with the transitive verb (the relation between entities and events) and secondly with the small clause (the property of states). But what then is the explanation for the postverbal subject placement in (69a)? I propose that the key clue is to be found in a detailed examination of the apparently ‘verbless’ case with *away*.

4.1. *Away*

‘Verbless’ *away* is quite generally available in contexts where a bare verb can appear (the ‘bare stem condition’ of Carden & Pesetsky (1977)).¹⁵

- (70) (a) I’ll away to school. (= I’ll get away to school, leave for school)
 (b) I’ll have to away. (= have to leave)
 (c) Will he just away to the pub? (= go to the pub, head off to the pub)

- (d) He won't just away to the pub, don't worry. [ScotE]

It cannot, however, appear in contexts where it would have to bear inflection. The examples in (71) are ungrammatical:

- (71) (a) *He awayed to school.
 (b) *He aways to school.
 (c) *Has he awayed to school? [ScotE]

And verbless *away* is most widely accepted in construction with 'filled T', i.e. in construction with an auxiliary (other than *have*):

- (72) (a) He'll away to school.
 (b) He didn't away to school.
 (c) Did he really just away to the pub?

My own idiolect accepts the construction in infinitival contexts (73a), but only very marginally in uninflected finite contexts lacking an auxiliary or modal (73b, c); an anonymous reviewer, and Gary Thoms (from the west of Scotland), report that all of the forms in (73) are more severely degraded or ungrammatical for them.

- (73) (a) I'd prefer to just away to the pub.
 (b) ?I away to work at 8 am every morning.
 (c) ??If I away before the boss, there'll be problems.
 [ScotE, my judgments]

Importantly, the construction requires a volitional or animate subject; (74a, b) are acceptable, but (74c) is degraded, and (74d) is impossible (and contrasts with the fully acceptable *These problems just won't go away*).

- (74) (a) I'll away (to school).
 (b) The cat will away (to its bed).

(c)??The packages will away (to the post office) tomorrow.

(d) #These problems just won't away. [ScotE]

This distinguishes this Scottish English case from the general case of null motion verbs familiar from Germanic (75), which can (75a) but need not (75b, c, d) have animate/volitional subjects.

(75) (a) Ik moet weg.
I must away
'I have to leave.' [Dutch]

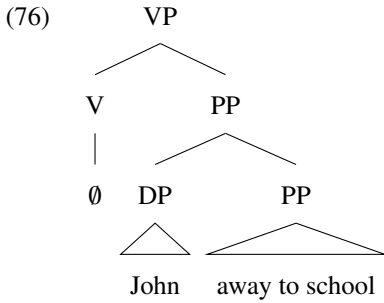
(b) Die doos kan naar de zolder.
that box can to the attic
'That box can be put in the attic.' [Dutch, van Riemsdijk 2002: 144]

(c) Pengene maa ned i sekken.
money-the must down into bag-the
'The money must be put into the bag.'
[Norwegian, Wilder 2008: 239]

(d) Aattitalsfølelsen paa badet bør bort før du selger
eighties-feeling in bathroom-the should away before you sell
huset.
house-the
'You should get rid of the 80s feeling in the bathroom before you sell
the house.' (lit. 'The 80s feeling in the bathroom should away before
you sell the house.')

[Norwegian, Anne Dahl p.c.]

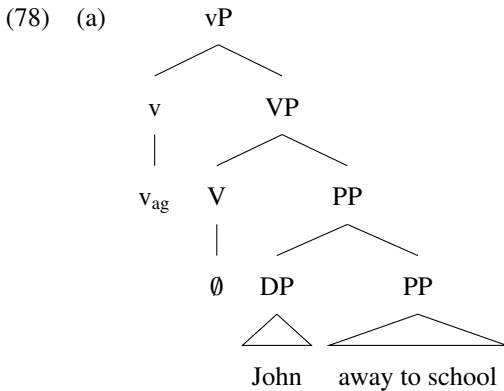
This agency restriction provides, I believe, the key to the analysis of these structures. Suppose that Scottish English (but not standard English) has in its lexicon a null verb, similar to the null motion verbs in Germanic more generally (see e.g. van Riemsdijk 2002), and like these null verbs in Germanic obligatorily selecting for a goal PP, but without any semantics of its own; it is a simple identity function, passing up the value of the goal PP it takes as complement.¹⁶



(77) (a) $\llbracket \emptyset_V \rrbracket = \lambda\phi.\phi$

(b) $\llbracket (76) \rrbracket = \llbracket \text{John away to school} \rrbracket = \lambda s.\text{at}(\mathbf{John})(\mathbf{school}) \ \& \ \text{notAtOrigo}(s)$

Now suppose that the little *v* head v_{ag} which introduces external arguments, agents (Kratzer 1996), is merged above this structure.



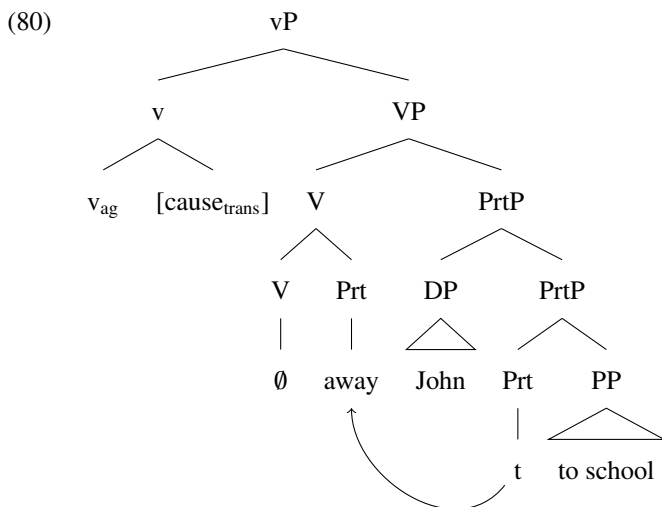
(b) $\llbracket v_{\text{ag}} \rrbracket = \lambda x.\lambda e.\mathbf{agent}(x)(e)$

The denotation in (78b) and that in (77b) cannot combine as they are – but they are the right types for combination by $[\text{cause}_{\text{trans}}]$. The types are the same as an unaccusative or transitive verb combining with a small clause, exactly the case we have been considering. What is the result if we let $[\text{cause}_{\text{trans}}]$ – the standard English version which combines first with the verb – merge with little *v* in this structure? Semantically, the result is the below:

- (79) (a) $\llbracket \text{v}_{\text{ag}} [\text{cause}_{\text{trans}}] \rrbracket = \lambda P_{\langle s, t \rangle} . \lambda e . \exists s . P(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{agent}(\iota y . \text{figure}(y)(s))(e)$
 (b) $\llbracket [\text{v}_{\text{ag}} [\text{cause}_{\text{trans}}]] [\text{v}_P \text{John away to school}] \rrbracket = \lambda e . \exists s . \text{at}(\text{John})(\text{school})$
 $\ \& \ \text{notAtOrigo}(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{agent}(\iota y . \text{figure}(y)(s))(e)$
 $= \lambda e . \exists s . \text{at}(\text{John})(\text{school}) \ \& \ \text{notAtOrigo}(s) \ \& \ \text{cause}(s)(e) \ \& \ \text{agent}(\text{John})(e)$

The v_{ag} head in (79a) has been made of the right type to combine with the small clause – and it has also had its valency reduced, so it will no longer semantically introduce an agent in its specifier. The agent is rather identified with the subject of the small clause. In (79b), we see the result of the whole composition: a description of events of John (agentively) causing John to be at school (which is not near the origo/reference point, i.e. it is ‘away’). This is a fairly good paraphrase of the desired truth conditions. In particular, the fact that v_{ag} has an agentive semantics means that the structure in (79) will be incompatible with non-agentive arguments, capturing the pattern in (74).

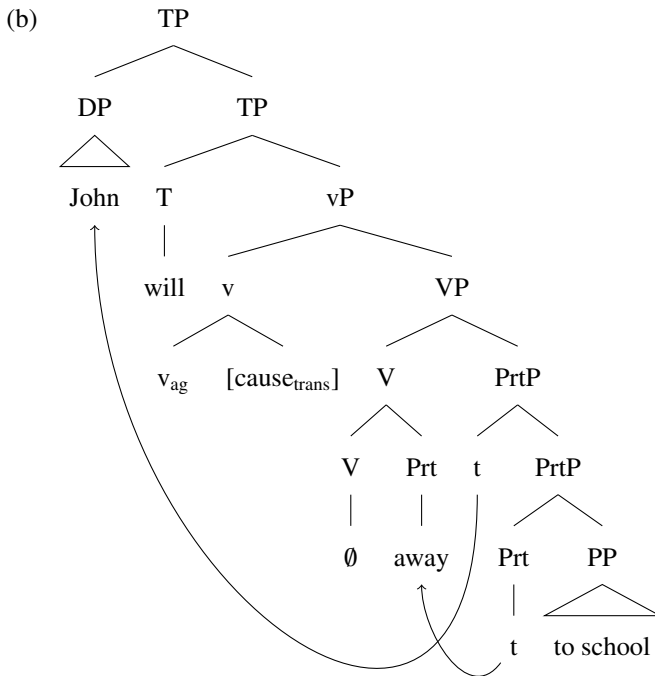
Suppose further that that the particle *away* raises to adjoin to V (cf. Svenonius 1992).



We can then suppose that – in the declarative case – TP is merged above this

vP, and the EPP prompts movement of the subject (here *John*) to [Spec, TP].

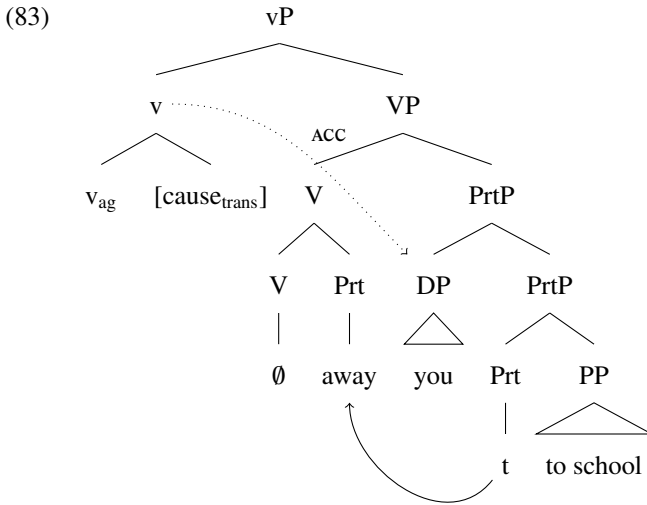
- (81) (a) John will away to school.



We are now in a position to return to post-‘verbal’ imperative subjects with *away*:

- (82) Away you to school. [ScotE]

The key point here is that, on the present analysis, these structures contain v_{ag} , the head which standardly introduces external arguments and which assigns Case to objects. Even though this head has semantically had its valency reduced (has had its argument saturated), we might suggest that its ability to assign Case remains. As such, it can assign Case downwards to the subject within the PP/small clause.



The crucial difference between Scottish English and standard English on this account is not in the $[\text{cause}_{\text{trans}}]$ feature (as proposed for Belfast A), but rather the existence in Scottish English of a null verb, with no semantics of its own, which can combine with a goal PP.

Some comment is required on the distribution of this null V. As discussed above, *away*-constructions generally require a ‘filled T’. This again seems familiar from the ‘standard’ Germanic case, cf. e.g. the proposal by van Riemsdijk (2002) that ellipsis of *go* is licensed by modals. However, not only modals but also forms of *do* (in negation or question contexts) permit *away* in Scottish English. A simple explanation for the distribution of *away*/the null V may be that neither the null V, nor *away*, can morphologically host tense/agreement or aspectual morphology (i.e. forms like *awayed* or *aways* are not possible).¹⁷ Without a host for this morphology, it will be impossible to use *away* in finite contexts, or as a perfect participle, as this would violate the Stranded Affix Filter (Lasnik 1981).¹⁸ If there would in any case be no overt agreement (first/second person or plural subjects in simple present), the result is degraded but not fully ungrammatical (in my judgment; as noted above, others reject these more strongly):

- (84) (a) ?I away to my work at 8 a.m. every day.
 (b) ??They away to school.

The degradation seems to be an effect (for which I do not have an explanation) of the habitual meaning of the simple present, as these sentences are similarly degraded in question forms with *do*:¹⁹

- (85) (a) ?Do you away to work at 8 a.m. every day?
 (b) ??Do they away to school?

Speakers vary in their acceptance of infinitival complements like (86):

- (86) %I told the children to away to their beds.

I do not have a full explanation for this, but speculate that the variation may have something to do with how the different idiolects treat the morphophonological properties of infinitival *to* (cf., for example, the variation in judgments in whether/in what configurations *to* licenses VP Ellipsis discussed by Johnson (2001)).

The null verb seems to be restricted to selecting PPs headed by *away* in the author's idiolect, as the structures in (87) are ungrammatical in that idiolect.

- (87) (a) ??I'll back to my bed.
 (b) ??I'll off to my bed.
 (c) ??I'll down to the shops.
 (d) ?*I'll to my bed.
 (e) *I'll into the school. [ScotE]

This can potentially be treated as a restriction on spellout (anticipating the discussion of *get* below). The spellout of the verb as zero may be dependent on a form of formal licensing, the incorporation of the particle into the null V.²⁰ In the idiolect under investigation here, only *away* can perform this function, but there is

a certain amount of dialectal/idiolectal variation. An anonymous reviewer states that they accept (87b) with *off*, and the example in (88) with *along* is attested:

- (88) I'll along to Dens and give the boys support.
 ('Murray's in no hurry to walk out', *Daily Record* (Glasgow), Feb. 27, 2013; Dens (Park) is a football stadium in Dundee.)

And a few examples can be found online which seem to lack a particle, consisting solely of a directional PP headed by *to* (in its dialectal form *tae* in (89)), although these are rare.

- (89) The Belgians can tae fuck, no way better than curly fries and chips!
 (found on Twitter; *tae fuck* \approx 'to hell')

The existence of forms like (89) suggests that, for some Scottish English speakers, the null motion verb does not need to be licensed via incorporation of a particle.

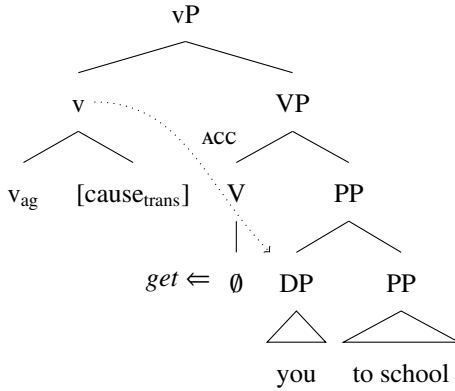
4.2. *Get*

The analysis above can now be extended to postverbal subjects with *get*.

- (90) Get you to school. [ScotE]

This can be treated as the spellout of the null motion verb²¹ in the case where no particle raises to adjoin to it. The structure of (90) would then be as in (91) below.²²

(91)



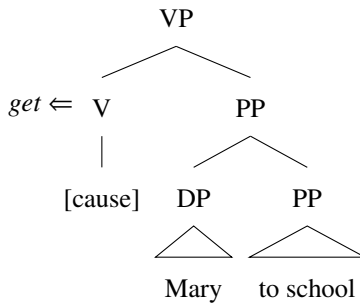
This is not quite the same *get* as appears in motion constructions in standard English (92), both for reasons internal to the analysis – the null, ‘semanticsless’ motion verb in (91) is hypothesized to not be available in standard English – and also because the ‘standard’ *get* can be non-agentive (92b); the *get* in (91) requires the presence of ([cause_{trans}]-marked) *v_{ag}* for its interpretation, which should force an agentive interpretation.

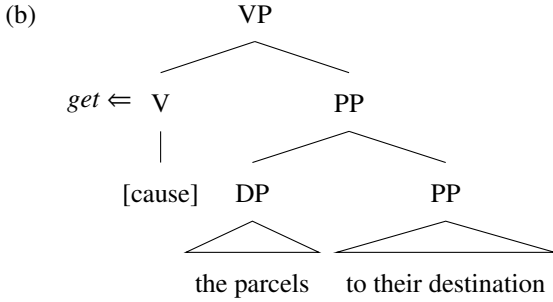
(92) (a) Mary got to school.

(b) The parcels got to their destination.

We can perhaps rather analyze the *get* in (92) as the spellout of a **V** head with the semantics of [cause] (NB not [cause_{trans}], but rather the ‘intransitive’ variant of [cause] described in (45a)).

(93) (a)





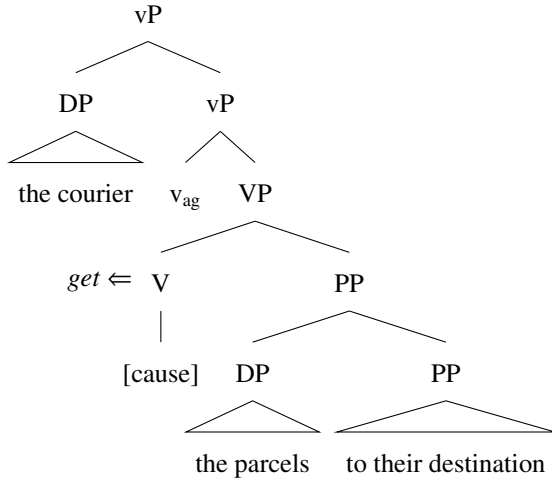
- (94) (a) $\llbracket (93a) \rrbracket = \lambda e. \exists s. \text{at}(\text{school})(\text{Mary})(s) \ \& \ \text{cause}(s)(e)$
 (b) $\llbracket (93b) \rrbracket = \lambda e. \exists s. \text{at}(\text{destination})(\text{parcels})(s) \ \& \ \text{cause}(s)(e)$

No agentive semantics is implied in (94), as desired. Separating this *get* from the *get* which allows postverbal subjects in Scottish English also accounts for the fact that the ‘standard’ *get* (in (92)) can itself be causativized – that is, it can have an additional external argument, as in (95).

- (95) (a) Her mum got Mary to school.
 (b) The courier got the parcels to their destination.

On the current analysis, this can be captured by merging a v_{ag} head above the VPs in (93) (cf. Alexiadou et al. (2006)).

(96) (a)

(b) $\llbracket (96a) \rrbracket = \lambda e. \exists s. \mathbf{at}(\mathbf{destination})(\mathbf{parcels})(s) \ \& \ \mathbf{cause}(s)(e) \ \& \ \mathbf{agent}(\mathbf{courier})(e)$

Such causativization can also be reflexive, as in (97).

(97) He got himself to school.

Importantly, causativization is NOT possible with motion *away*.²³

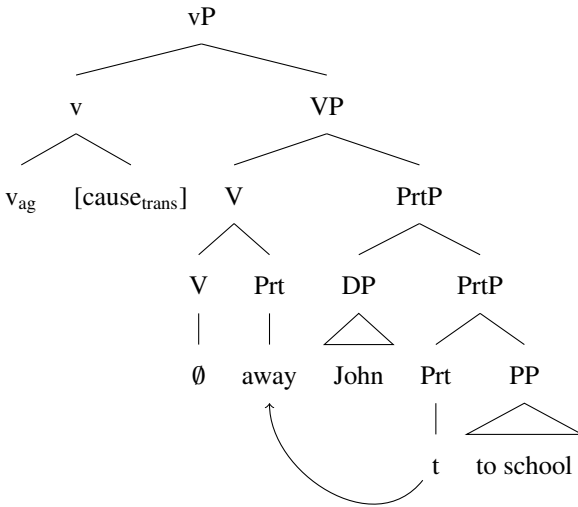
(98) (a) *I'll away myself/him to school.

(b) *Away yourself to school./*You away yourself to school.

That can be understood if *away* has the $v_{ag} + [\text{cause}_{\text{trans}}]$ structure suggested in section 4.1; the structure in (99) can be built, but on the assumption that only one v_{ag} can be present in any one clause, it would not be possible to introduce another external argument (and semantically no external argument can be introduced in

the specifier of v_{ag} in (99), as it has been ‘detransitivized’ by [$cause_{trans}$]).

(99) (repeated from (80))



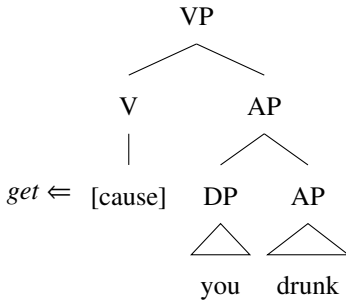
Distinguishing the two *gets* also gives us a handle on why it is ONLY motion *get* which allows for a postverbal subject in Scottish English. The below are not grammatical, at least in the author’s idiolect.

- (100) (a) *Get you promoted.
 (b) *Get you drunk.
 (c) *Get you a new car.

The *get* in (100a, b) is plausibly the same *get* as in (92) (the possession *get* in (100c) presumably being something different again). Importantly, there is no external argument, and therefore no v_{ag} , in such structures (when only one

argument is present).

(101) (= (100b))



There would therefore be no source of Case for the postverbal subjects in (101), and such structures are therefore ruled out, given the additional stipulation that Scottish English (like other Germanic languages) allows the null verb to combine only with a goal PP.²⁴

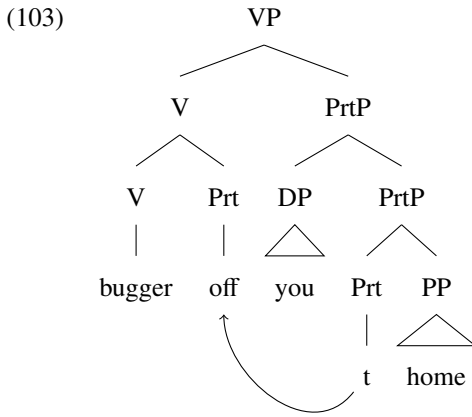
4.3. *Taboo off verbs*

A similar analysis can be given to the ‘taboo *off*’ verbs:

(102) {Clear/Buzz/Shove/Bugger/Piss/Sod/Fuck} off you back home. [ScotE]

With the possible partial exception of *clear*, none of the verbs that appear in (102) have the meaning that they do outside of this construction. Rather, all the verbs in (102) seem to have very little meaning of their own besides an expressive dimension (i.e. they are ‘taboo’). Given this, I suggest that is plausible that these verbs (in Scottish English) also have the truth-conditional semantics of an identity function, as with the null motion verb above. For simplicity, I show their expressive component as a presupposition (between the lambdas in (103) and the output, a condition on well-definedness), though in a fuller treatment, this would presumably be encoded as something like a conventional implicature (see Potts 2005). These select PrtPs headed by *off* (prompting raising of *off* to the

verb²⁵), and pass up the meaning of these PrtPs (i.e. properties of states).



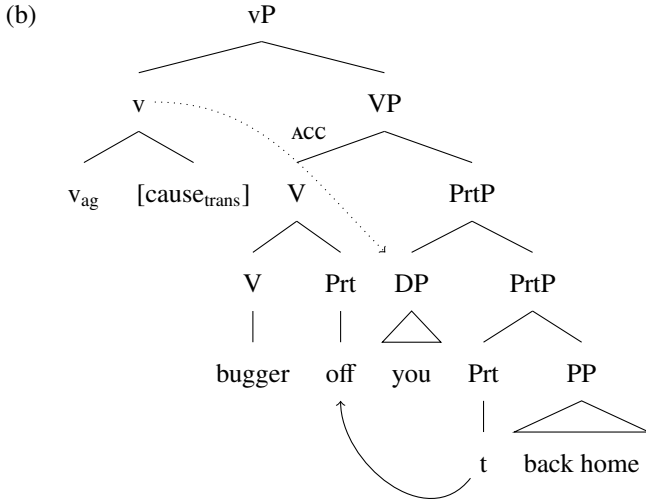
- (104) (a) $\llbracket \text{bugger} \rrbracket = \lambda\phi. \text{the speaker is speaking coarsely} . \phi$
 (b) $\llbracket \text{you off home} \rrbracket = \lambda s. \mathbf{atHome}(\mathbf{you})(s) \ \& \ \mathbf{notAtOrigo}(s)$
 (c) $\llbracket (103) \rrbracket = \lambda s. \text{the speaker is speaking coarsely} . \mathbf{atHome}(\mathbf{you})(s) \ \& \ \mathbf{notAtOrigo}(s)$

As such, these VPs can also be taken as complement by a $[\text{cause}_{\text{trans}}]$ -modified v_{ag} ; and as before, this allows for Case assignation to the subject of the PrtP in its

underlying position in imperatives.

(105) (a) Bugger off you back home.

[ScotE]



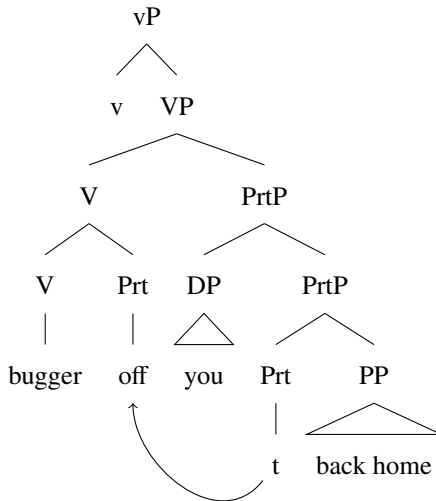
As with *get*, this correctly predicts that these verbs cannot be causativized (although see footnote 27):²⁶

(106) *He buggered himself off home.

I assume that Englishes in which postverbal subjects are not permitted with taboo *off* verbs treat them as ‘normal’ motion verbs, i.e. where the verb itself introduces an event argument and is modified by [cause_{trans}]. The absence of **v_{ag}** in such

structures means that the subject of the PP will have to raise for Case.²⁷

(107) (a) (Standard English)



(no source of Case for *you*, raising forced)

(b) $\llbracket \text{bugger} \rrbracket = \lambda x.\lambda e. \text{the speaker is speaking coarsely} . \mathbf{move}(x)(e)$

4.4. Loose ends: mere and mon

This section notes for completeness two other instances of apparently the same pattern, with reduced forms of *come here* and *come on*.

(108) (a) Mere you to the pub.

(b) Mon you to the pub.

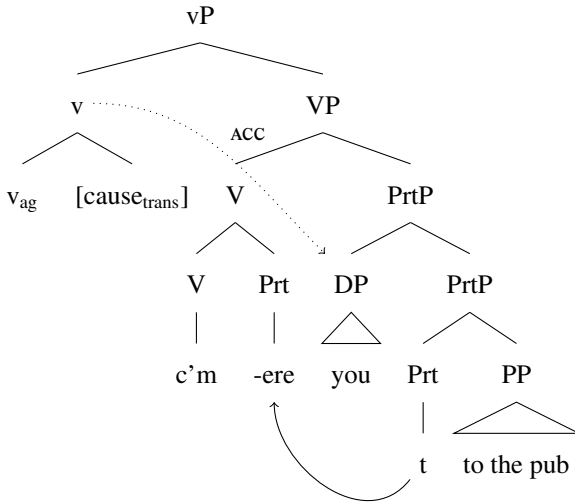
[ScotE]

Such forms seem to more-or-less transparently result from incorporation of the particles *here* and *on* into a heavily reduced form of the verb *come*. Some speakers (although not this author) also have a form *gon*, transparently 'go on'.²⁸

(109) Gon you to the shops.

These forms could potentially be given a similar analysis to the taboo *off* verbs,

with the *(c)'m*- and *g*- components being contributed by V and the particles raising to incorporate.



However the *mere/mon* forms seem to be restricted to imperatives; the following are not very natural (note that *away* has a similar restriction in Belfast English, see footnote 15 and Henry 1995: 58–59, 77).

- (110) (a)??You should mere to my place.
 (b)??You should mon over to the pub.

And in the relevant dialects which have *gon*, this also has a use as an exhortative particle in imperatives (see also McCloskey (1997) on a similar particle in Ulster English and Weir (2013), Sailor & Thoms (2019) on the similar particle *gonnae* in Scottish English):

- (111) Gon you see who that is at the door.

Given the restriction to imperatives, these forms may be amenable to an alternative analysis (e.g. as being generated in or moved to C, see Weir (2013) and Sailor & Thoms (2019)). As the facts here are somewhat less clear, the above data are

included for completeness, but detailed analysis is left to future work.

5. CONCLUSION

The analysis laid out in this paper has aimed to capture the variation we see between standard, Belfast, and Scottish Englishes in a grammatically constrained way. Beyond simply capturing the data and the variation between dialects and speakers, the analysis presented here raises questions of wider theoretical import. If the analysis presented here is on the right track, it provides support for a view of goal-PP constructions in which they introduce their own external argument, as in Beck & Snyder (2001), Beck (2005) a.o. Moreover, given that this external argument appears to be realized in situ in postverbal imperatives in Belfast and Scottish Englishes, this suggests (as suggested in footnote 9) that goal-PP constructions are (or at least can be) raising constructions, rather than control structures in which the external argument is PRO, as proposed by previous authors.

Many avenues for further exploration remain. This exploration has focused on a limited set of data, i.e. the data reported in Henry (1995) for Belfast English, and a restricted set of Scottish English idiolects. The empirical picture is likely to be considerably richer than this suggests – as Henry (1995)'s pioneering work already demonstrated, by showing the distinction between 'Belfast A' and 'Belfast B'. Given the close historical and geographical relationship between Belfast English(es) and Scottish English(es), diachronic and/or detailed micro-comparative work on (the relation between) these varieties is likely to be fruitful. In addition, diachronic studies of the null-verb construction in English, and of (motion) *get* with apparent postverbal argument (of the *get thee to a nunnery* type, cf. footnotes 2 and 22), may shed light on the development of the Scottish and Belfast patterns, and the extent to which specifically *get* is 'special', as implied by the data and analysis in this paper.

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NOTES

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²There appears to be a relation here with constructions available in earlier English, e.g. Hamlet's *Get thee to a nunnery*. I restrict myself to investigating the synchronic pattern here, though cf. footnotes 15 and 22.

³Born 1986, male, white Scottish, middle-class, raised in Dundee/Tayside/Fife.

⁴There are dialects of both Scottish and Belfast English (Henry (1995)'s Belfast B; see Jamieson (2015) for Scottish dialects) which allow verb-subject order in imperatives with any verb (including transitive verbs), and where the verb (and the subject) DOES appear to the left of adverbs:

(i) Read you quickly that book.

[Belfast B, Henry 1995: 67]

Henry analyses such cases as involving verb movement to C (with the subject being in the 'standard' subject position, e.g. [Spec, TP]). This seems very plausible for both the Belfast B dialect and the relevant Scottish dialects; I will put these aside in what follows, restricting myself to the dialects which only allow postverbal imperative subjects in a restricted range of cases.

⁵Note that, on the surface, standard English imperatives sometimes appear to have postverbal subjects:

(i) (a) Stop, you.

(b) Clear off, you.

(c) Eat your dinner, you.

My assumption is that these cases are right-peripheral vocatives rather than 'true' subjects of the verb (i.e. they are parallel to *Clear off, John*). Note that, in the cases discussed in the main text, there is no parenthetical/comma intonation or other indication that the postverbal subjects are vocatives; see also Henry (1995: 48–49).

⁶In Henry (1995) the initial subject position is [Spec, VP]; I have updated this in line with the vP hypothesis.

⁷In principle, the same observation can be made for Scottish English using adverbs such as *never* or *always*, but (for unclear reasons) the relevant verbs are often somewhat marginal if they appear with both such an adverb and an overt subject (regardless of whether it appears preverbally or not); this is shown for *get* below but the pattern extends to the other cases such as *away*:

- (i) (a) Always get to school before the bell goes.
- (b) ?You always get to school before the bell goes.
- (c) ?Always get you to school before the bell goes.

However, I do not perceive any clear contrast between (i-b) and (i-c), and it is clear that trying to put the verb (and subject) BEFORE the middle-field adverb results in much stronger ungrammaticality:

- (ii) ?*Get you always to school before the bell goes.

⁸The argument can also be applied the other way: verbs which do not show agreement, such as *beware* (Fodor 1972) or *come* in the *come VP* construction (Jaeggli & Hyams 1993), do not necessarily license postverbal subjects in Scottish English:

- (i) (a) Beware (*you) of the dog.
- (b) Come (*you) see me sometime.

And as an anonymous reviewer points out, many dialects of English exhibit *be*-levelling where singular forms of *be* are used with plural subjects, but there does not appear to be any particular correlation between such *be*-levelling and the availability of postverbal imperatives with *be* such as *Be you quiet*.

⁹In fact, Beck (2005) assumes that such structures are control structures, i.e. [John₁ [run [pp PRO₁ to the park]]]; but I am not sure that there are definite arguments against the treatment in (24), which would amount to a raising (rather than control) analysis of motion verb+PP structures. In fact, if the analysis proposed in this paper is on the right track, it can be taken as evidence for a raising analysis as at least one possible parse for goal-PP structures.

¹⁰If events and states are taken to be the same type, of eventualities, then they could compose via a rule of Event(uality) Identification, as in Kratzer (1996), which would yield the below:

- (i) $\lambda x.\lambda i.\text{elect}(x)(i) \ \& \ \text{president}(\text{Kennedy})(i)$

But as Kratzer (2005: 195) notes, this sort of intersective interpretation would yield an anomalous result, a function mapping every input to False, as no eventuality is both an action of election and a state. Such a composition strategy is therefore plausibly independently ruled out.

¹¹Note that this result means that the ‘figure’ predicate is required in the function that links small clause and verb; it would not be sufficient for the internal argument of a transitive verb to simply be existentially quantified in these resultative constructions, as in the putative translation below.

- (i) $\llbracket \text{elect Carter onto the dole queue} \rrbracket = \lambda e.\exists s.\exists x.\text{onDoleQueue}(\text{Carter})(s) \ \& \ \text{elect}(x)(e) \ \& \ \text{cause}(s)(e)$ (wrong)

Such a translation would not come out contradictory, because this simply requires someone to be the theme (i.e. the victor) of an election which causes Carter to be on the dole queue – for example Reagan

in 1980.

¹²I do not think anything hinges on the precise representation of passives (auxiliary *be* in *v* selecting Voice_{pass}) I employ in (52), as long as there is no source of Case for *you* in its base position.

¹³Along with Beck (2005), I take directional PPs to essentially denote the resultant state of the movement, i.e. to have a semantics similar to *at*. This is, of course, not quite right (see Beck 2005: 35–36 for discussion and a more sophisticated treatment of *to*), but will be adopted as a simplification for current purposes.

¹⁴As an anonymous reviewer emphasizes, this proposal potentially has deeper ramifications for the analysis of unaccusative verbs and the phenomenon of (variable) unaccusativity; see also footnote 9 on raising versus control in goal PP constructions. For reasons of space, I cannot follow up all of these potential ramifications here, including the interactions with e.g. telicity or issues of auxiliary selection (see e.g. Sorace 2000), but this may be an important topic for future work.

¹⁵This distinguishes Scottish English from Henry's 'Belfast B' dialect (Henry 1995: 58–59, 77), in which 'verbless' *away* is grammatical in (post-verbal subject) imperatives like *Away you to bed*, but does not appear in declaratives. I will not try to give an account of this aspect of variation here. Constructions with a PP but no overt verb are of course familiar from older varieties of English as well as other present-day Germanic varieties:

- (i) (a) The moon shines fair; you may away by night. (Shakespeare, *Henry IV Part 1*, act 3 scene 1 line 136)
- (b) I'll back to the Duke of Gloucester. (Shakespeare, *Richard III*, act 1 scene 4 line 110)
- (c) If thou deny it, I will back to hell. (Marlowe, *Doctor Faustus* (c. 1588), scene 5 line 40)

I do not try to investigate the properties of the historical English pattern here.

¹⁶**notAtOrigo** in (77b) is an ad hoc representation of the deictic contribution of *away* with respect to the speaker/reference point.

¹⁷Although an anonymous reviewer, citing Macafee (1980), notes that forms like the below are attested in some dialects of Scottish English (although obsolescing):

- (i) (a) I ons the coat.
- (b) I offs the shoes.

I will not try to account for forms like this here.

¹⁸Note that *do*-support (in positive declaratives) cannot be used as a 'last resort' to give tense morphology a host, as it can in verb phrase ellipsis for example. The *away*-sentence in (i) is grammatical as such, but only on an 'emphatic'/polarity focus reading for *did*.

- (i) #He did away to his bed.

I do not know why *do*-support cannot be used in cases like (i), but note also the same effect obtains in other cases of the 'bare stem condition' such as the *come/go V* construction (Jaeggli & Hyams 1993):

- (ii) (a) He'll go get the shopping.
- (b) *He goes gets the shopping.
- (c) #He did go get the shopping. (only emphatic *did*)

I put this aside as a mystery for analyses of *do*-support rather than for the present analysis; see Jaeggli & Hyams for some discussion.

¹⁹This may in some way be related to the apparent degradation of *get* forms with adverbs like *always* noted in footnote 7.

²⁰We might compare this to the proposal that null Ps can be licensed by incorporation into overt Vs (den Dikken 2010, extended to various cases in dialectal English by Myler 2013 and Bailey 2019); the Scots phenomenon may be the 'inverse' of this.

²¹Or possibly of the complex $v_{ag} + [\text{cause}_{trans}] + \emptyset_V$, assuming that the null motion V moves to v_{ag} . den Dikken (2010) presents an analysis in which an abstract (inchoative) verb, which he notates as GET, forms the core of motion verb constructions and combines with a small-clause-like PP in a similar way to that outlined here. However, for Den Dikken, this abstract head underlies a wide variety of manner-of-motion verbs, not the much more restricted set considered here.

²²The notion that this version of *get* assigns accusative case may receive support from earlier stages of English (as noted in footnote 2): while the case is not morphologically visible in modern English, the Shakespearean example *Get thee to a nunnery* shows accusative case *thee* (rather than nominative *thou*). It is difficult to draw firm conclusions here, however, as it is possible that this *thee* is a reflexive form (co-occurring with a null subject), i.e. that this example corresponds to modern English *Get yourself to a nunnery*.

²³Thanks to an anonymous reviewer for pointing out the importance of these data and of distinguishing the two *gets*.

²⁴This makes the prediction that there may be some dialects of English that allow forms like *Get you drunk*; these would be dialects that allow for a null verb to combine not just with a goal PP but with any small clause.

- (i) [_{VP} $v_{ag} + [\text{cause}_{trans}]$ [_{VP} \emptyset_V [_{SC} you drunk]]]

However, transitive forms like *get you a new car* should only be possible in dialects which generally allow postverbal transitive subjects (e.g. Belfast B), as its subject is not introduced in a small clause. That is, no dialect is predicted to allow (100c), but not allow e.g. *Eat you your dinner*. However, the matter may be somewhat empirically confused to the extent that some varieties (e.g. some American dialects) may allow anaphoric pronouns without overt reflexive marking in INDIRECT object position (personal dative constructions of the type *I got me a car*, see e.g. Webelhuth & Dannenberg 2006, Horn 2008); such structures would then allow for imperatives like *Get you a new car* – but *you* here would be the indirect object, not the subject. Cf. also footnote 22.

²⁵Apparently obligatorily. For this author, the word order ??*Bugger you off back home* is degraded, and while internet searches do reveal instances of the word order *Bugger you off*, it's not clear whether

this might be an instance of verb-raising to C. I do not have a full explanation for this restriction, but it may again be connected to spellout in a low-level way: if *bugger* etc. are (in this context) spellout options for the null verb \emptyset_V , then they might only be specified for this spellout if *off* raises, i.e. a rule of the form $\emptyset_V + [\text{taboo}] \rightarrow \text{bugger} / [_V \text{ -- off}]$.

²⁶For some speakers, although not this author, there is a transitive usage for some of these verbs with the meaning ‘to annoy’ (*That fucks me off*); I assume this is separate from the motion use.

²⁷The structure in (107a) would theoretically allow for v_{ag} to be merged on top of it, giving rise to a causativized structure:

- (i) (a) (*)He fucked himself off home.
- (b) (*)I buggered him off.

For speakers who find these ungrammatical, this is presumably for whatever reason path-based verbs of motion cannot generally be causativized (**I went the boy to school*, intended ‘I made him go’). But Google searches (for *bugger/fuck* + object pronoun + *off*) do in fact reveal a number of cases like (i) (where the sense is clearly one of caused motion). This could be simply encoded as a difference between speakers in the selectional restrictions of v_{ag} , though detailed exploration of this issue is beyond the scope of this paper.

²⁸Thanks to Gary Thoms for judgments here.

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