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The Distribution of the Old Irish Infixed Pronouns: Evidence for the Syntactic Evolution of Insular Celtic?

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Evidence for the Syntactic Evolution of Insular Celtic?*

Ronald Kim

1 Infixed Pronouns in Old Irish

One of the most peculiar features of the highly intricate Old Irish pronominal system is the existence of three separate classes of infixed pronouns used with compound verbs. These sets, denoted as A, B, and C, are not interchangeable: each is found with particular preverbs or, in the case of set C, under specific syntactic conditions. Below are listed the forms of these pronouns, adapted from Strachan (1949:26) and Thurneysen (1946:259-60), excluding rare variants:

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>sg. 1</td>
<td>-m(m)'</td>
<td>-dom', -dum', -dam(m)'</td>
<td>-dom', -dam'</td>
</tr>
<tr>
<td></td>
<td>-tom', -tum', -tam(m)'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>-t'</td>
<td>-tot', -tut', -tat', -t'</td>
<td>-dot', -dat', -dit'</td>
</tr>
<tr>
<td>3m.</td>
<td>-a n-, -Ø n-</td>
<td>-t n-</td>
<td>-(d)id n-, -d n-, -Ø n-</td>
</tr>
<tr>
<td>f.</td>
<td>-s (n-)</td>
<td>-da h-, -ta h-</td>
<td>-da h-</td>
</tr>
<tr>
<td>n.</td>
<td>-a', -Ø'</td>
<td>-t'</td>
<td>-(d)id', -d', -Ø'</td>
</tr>
<tr>
<td>pl. 1</td>
<td>-n(n)</td>
<td>-don, -ton, -tan(n)-don, -dun, -dan(n)</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>-b</td>
<td>-dob, -dub, -tob, -tab</td>
<td>-dob, -dub, -dab</td>
</tr>
<tr>
<td>3</td>
<td>-s (n-)</td>
<td>-da h-, -ta h-</td>
<td>-da h-</td>
</tr>
</tbody>
</table>

Leaving aside for the moment the last set, which is limited to relative clauses introduced by a preposition (plus relative (s)a n-, with the sole exception of i n- ‘in, in which’) and after certain conjunct particles such as dí a n-, ma’ ‘if, when’, cía’ ‘though, unless’, ara n- ‘in order that’, co n- ‘so that’, and interrogative in n- (Pedersen 1913:145-7, Thurneysen 1946:258), it is

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generally agreed that the distribution of the first two classes is determined by the (prehistoric) phonetic shape of the individual preverbs. Those which ended in a vowel in Primitive Irish take class A, e.g., Wb. 5c6 nim-charat-sa ‘they don’t love me’, 30d20 imma-n-imcab ‘avoid him’, 15a7 na-chomalnid-si ‘fulfill it’, 23d4 rob-car-si ‘he has loved you (pl.)’, 19d24 dos-m-bérthe ‘ye would have given them’. Preverbs which ended in a consonant, on the other hand, are found with class B pronouns: cf. Ml. 39c27 fritamm-orcat ‘they offend me’, Wb. 6c16 attot-aig ‘which impels you’, Ml. 112a3 cot-n-erba ‘he will trust himself’, Wb. 31c16 fordon-cain ‘teaches us’, 5a13 ata-samlbid-si ‘you (pl.) will imitate them’. The preverbs associated with each class and their reconstructed Primitive Irish, Proto-Celtic, and Proto-Indo-European shapes are the following:

Class A

\[
\begin{array}{ll}
\text{ar} & < \text{PrimIr. } *\text{ari} < \text{PC } *\phi\text{ari} < \text{PIE } *\text{prH-i} \\
di·, do· & < \text{PrimIr. } *\text{di} < \text{PC, PIE } *\text{de} \\
do· & < \text{PrimIr. } *\text{tu} < *\text{tū} < \text{PC } *\text{tō} < \text{PIE } *\text{tō} \text{ (Schrijver 1995:17fn.2) or } \text{PrimIr.}, \text{PC, PIE } *\text{to} \text{ (OHitt. } ta) \\
fo· & < \text{PrimIr. } *\text{wo} < \text{PC } *\text{ufo} < \text{PIE } *\text{upo} \\
im(m)· & < \text{PrimIr. } *\text{imbi} < \text{PC } *\text{ambi} < \text{PIE } *\text{h₂pt-bʰi} \text{ (Jasanoff 1976; see Schrijver 1991 for raising of } *\text{a before nasal + voiced stop in pre-OIr.)} \\
eg. ni·, nf· & < \text{PrimIr. } *\text{nē} < \text{PC, PIE } *\text{nē} \\
no· & < \text{PrimIr. } *\text{no, } *\text{nu (?) } < \text{PC, PIE } *\text{nu} \\
ro· & < \text{PrimIr. } *\text{ro} < \text{PC } *\text{φro} < \text{PIE } *\text{pro}
\end{array}
\]

Class B

\[
\begin{array}{ll}
ad·, & ad·-l-C·-a·- < \text{PC, PIE } *\text{ad} \\
ad··, & aith·-l·aid·- < *\text{ati} \\
con·, & com·- < \text{PrimIr.}, \text{PC } *\text{kom} < \text{PIE } *\text{kom}
\end{array}
\]

\[1\text{See Schrijver (1995:17fn.2) for arguments in favor of a preform } *\text{tu}. \text{ Note, however, that only } *\text{to is attested in Continental Celtic (J. Eska, p.c.), e.g., in Gaul. } to=me=declai natina ‘(their) dear daughter set me up’ \text{ (Voltino; see fn. 23) and as a sentence connective in Celtib. ENIOROSEI VTA TIGINO TIATUNEI ERECAIJAS TO LUGUEI ARAIANOM COMEIMV ‘To Eniorosis and to Tiatu of Tiginos the furrows, (and) to Lugus the farmland we dedicate’ (Peñalba de Villastar; cf. Kôdderitzsch 1985:216, Eska 1990a:106-7).}
\]

\[2\text{The class B infixed pronouns used with } ad·, aith·-l·aid·- < *\text{ati are analagical to } ad· < *\text{ad}.\]
THE DISTRIBUTION OF OLD IRISH INFIXED PRONOUNS

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as-, ·ess-/éC-/é- < PrimIr., PC *exs < PIE *eK(s)
eter-, ·et(a)r- < PrimIr. *edder < PC *anter < (post-)PIE *n-ter (Lat. inter)
for-, ·for- < PrimIr. *wor ~ *wer (probably on analogy of *wo ‘under’) 
< PC *ufer3 < PIE *uper
fri-, ·frith-/freC- < *writi
in-, ·in(d)- < PrimIr. *in < PC *en (?) < PIE *en
as-, ·oss- < PrimIr. *uxs, *uss < PC *uxs, *uts < PIE *up(s) or *ud(s)

It is highly surprising, then, that no explanation has yet been proposed for this clear phonological distribution. The standard handbooks call no special attention to these separate sets of infixed pronouns, and until recently (Schrijver 1997:131-9) there have been, to my knowledge, no efforts to provide a common origin and/or historical account of their coexistence.

Below I will first consider this problem from a purely phonological approach (section 2), from which it follows that the combinations of the preverb + infixed pronoun must originally have contained an intervening particle of the form *(V)stV-. This reconstruction is strongly reminiscent of Cowgill’s suggestion of *esti as underlying the enclitic particle *(e)s which he posited to explain the contrast between the Old Irish absolute and conjunct inflections; the phonological problems raised by such a preform will be examined in section 3. In section 4, Old British relics of the absolute/conjunct verbal contrast are adduced as support for Old Irish clause-second *esti. Finally, I will outline the considerable implications of this hypothesis for the prehistory of the VSO syntax of Insular Celtic, and more generally for the evolution of Celtic constituent configuration (section 5). In particular, I will propose that all main clauses in declarative sentences were topicalized at the Proto-Insular-Celtic (PIC) stage, with *esti in C(omplementizer) position and a preverb or simple verb obligatorily fronted to Spec-CP.

2 Phonological Reconstruction

As already noted, earlier scholars, beginning with Thurneysen, described the occurrence of the class A and B infixed pronouns with their respective pre-
verbs and noted the (exact) correlation between choice of class and final segment of the Primitive Irish preform.

Watkins (1963:26-8) suggests that an originally connective enclitic *de became fused with preverbs ending in a consonant, leading to the -d- of the class B pronouns, but retained its "quasi-independent status" after final vowels, allowing a distinction between e.g., 1sg. *ro-me (> class A rom-) and *ro-de-me (> class C rodom·), restricted to relative clauses and eventually becoming generalized there at the expense of class A). This descriptive account, however, fails to explain why sequences of consonant-final preverb + infixed pronoun, e.g., 1sg. *kom-me, 3sg. m. *kom-em, were lost and replaced by constructions with a particle that otherwise occurred only in relative function. Though the sort of phonologically conditioned occurrence of particles or morphemes proposed by Watkins for pre-Old Irish *de is not unknown in the world’s languages,5 one would nonetheless prefer to seek some other origin for the observed distribution of class A and B endings without recourse to any ad hoc particles (or rather particles assumed to have followed an ad hoc pattern) at an earlier stage of the language. Most importantly, Schrijver (1997:132-4) has emphasized that *de could not have given the -t-, -d- [-d-] of the class B forms by sound change.

Let us approach the problem from a different, and apparently unrelated, area of Old Irish grammar, the verb. In his groundbreaking 1975 article on the absolute and conjunct verbal inflection of Insular Celtic and specifically Old Irish, Cowgill persuasively argues in favor of a derivation of conjunct forms from unsuffixed PIE primary endings, whereas absolute forms arose from the addition of a suffix *-(e)s in Wackernagel position after a clause-initial verb: e.g., 3sg. conj. ·beir < *beret < *bereti, abs. be(i)rid < *bereti+s (see also Cowgill 1985). Thurneysen (1914:29-30), who rejected Pedersen’s (1913:340-1) view that the absolute forms resulted from enclitic subject pronouns, noted that “gemination” after ní ‘not’, i.e., ní h- < *nís(t) < *nísti < *nêsti < *ne esti, and other preverbs could be due to a postposed *s (see also Thurneysen 1946:152-3, 362-3). A particle of this shape explains the vast majority of attested endings in the OIr. absolute and conjunct paradigms. The lack of an obvious etymology carries little weight against such convincing phonological evidence, which itself must provide the basis for any etymo-

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5So, for instance, the modern Korean subject-marking suffix is realized as -i after a consonant but -ka after a vowel, e.g., che-ka 'I’ vs. ur-i ‘we’; as -ka is not attested until the late 16th c., the two do not appear to share a common historical source (Lee 1977:251, 279). For another example cf. the distribution of Proto-Slavic *-no- and *-to- in OCS past passive participles: *-to- is found with unsuffixed sonorant-final and most semivocalic roots (e.g., jetů ‘seized’ to *jîm-, bitů ‘beat(en)’ to *bîj-), *-no- elsewhere (Schenker 1993:106).
logical conjecture (cf. Boling 1972:80-1, who takes the particle to be *(e)d; Cowgill 1975:54-6, 66-7, Schrijver 1994:180-1). Cowgill himself, on the basis of the attractive derivation of *nī given above, suggests the 3sg. copula *esti ‘it is’, but agreed with Thurneysen that extension of *esti from the pass. pret., where it would have been expected (in e.g., *brethae in fer ‘the man is carried’ < *britos-est* sindos wiros vs. *nī breth in fer ‘the man isn’t carried’ < *nīst* britos), throughout the verbal inflection is difficult to explain (1975:66-7).

More recently, Schrijver (1994) has proposed an altogether different source for the Cowgill particle *-(e)s. He begins with a plausible reconstruction of the OIr. prepositions fri h- ‘towards, against’, la h- ‘with’ from Proto-Celtic *writi, *(g)leti via the stages *writ, *let (via early apocope of */-i, which Schrijver takes to be Proto-Insular-Celtic) and *wris, *les (through the Irish-only change of new final */-t > */s).6 These two sound changes, which he then uses to explain the long troublesome 3sg. relative forms of OIr., allow for a derivation of *-(e)s from the PIE connecting particle *eti, attested in Skt. *dī ‘beyond’, Gr. eti ‘still, yet’, Lat. et ‘and’, Goth. ip ‘and, but’, and in Celtic as Gaul. eti ‘also, likewise’ and etic, eðdic ‘and’ < *eti=kwe. Schrijver adduces apparent support for this etymology from British forms which have an alternant with final *-e before a following vowel-initial word, e.g., MW nyt [-d) ‘not’ for ny before a vowel-initial verb in main clauses, neut for neu (preverbal particle, spirantizing), MB ned ‘not’ for ne before vowel-initial forms of ‘be’ and ‘go’. These latter, which Schrijver assumes to be the direct phonological counterpart to the h- of OIr. nī h- ‘not’ and initial h- in e.g., *do-i [do hīg] ‘reaches’, would require a PIC preverbal *et < *eti.7

Returning to the problem at hand, it is not difficult to see that neither *es/*is nor Schrijver’s hypothetical *eti can explain the distribution of infixed pronouns found with OIr. preverbs. Whether or not one wishes to identify it with a masc. sg. anaphoric pronoun, *es (*is) leaves the -d- of class B utterly without a source. On the other hand, a particle *eti is highly unlikely to have resulted in the class A pronouns unless we make the improbable as-

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6The British cognates of fri h- are Old Welsh gurth (Mid. (g)wrth, Mod. wrth), Middle Cornish (w)orth, Old Breton gurth (Mod. ouzh), reflecting Proto-British *wurt < *wirt < *writ (by metathesis) < *writi (Thurneysen 1946:515, Jackson 1953:337; cf. W gwr ‘man’ < *wur < *wiros). OIr. la h- has no direct British cognate, though both Irish and British preserve the derived s-stem noun *pleth₂os, *-es- in OIr. leth (n.) ‘side, half’, W lled, C les, B leđ (m.) ‘width, half’ and adj. *pleθ₂-no- > *litano- in OIr. lethan, W llydan ‘wide’ (cf. Gaul. litano-).

7Under this analysis, MW nyt, MB ned ‘is not’, OIr. nī h- continue, not *ne-esti as usually assumed, but *ne-eti esti.
sumption that the *s proper to enclitic (final) *-es < *-et < *etri was introduced into internal position in the putative preforms of vowel-final preverbs, e.g., 1sg. *ro-(e)ti-me, 3sg. m. *ro-(e)t-en < *ro-eti-en, but not in those of consonant-final preverbs, e.g., 1sg. *kom-eti-me, 3sg. m. *kom-eti-en (Schrijver 1997:135). For the forms of *kom, he thus has to assume that "the *e of the particle was lost before Prlr. *-t became *-s ... I propose an ad-hoc sound law, by which in a Prlr. proclitic group of more than two syllables the vowel of the second syllable (in this case *e of *et) was regularly lost as a result of an early syncope."9

Note also that whatever solution is proposed must account for the contrast between class A -s (n-) and class B -d-a (n-) in the 3sg. fem. and 3pl., as well as between class A -a n-, -a' and class B -t-O n-, -t-O' in the 3sg. masc. and nt. Watkins (1965:287) takes the first pair back to "coexisting feminine anaphoric stems *siya- and *iya- in Celtic" (and by extension presumably pl. *siyo- and *iyo- as well?), but it would be remarkable at least for two distinct stems to have survived in identical function and then been partitioned according to a purely phonological criterion without any apparent motivation. Schrijver (1994:183-4), following Watkins's hypothesis of a particle *de underlying the class B pronouns, implicitly treats this problem as it affects the preverb friss-: 3pl. frita: < *writi-de-sons vs. e.g., dos: < *tu-esa-sons; the arguments against such a complementary distribution of *de and *esi have been raised above.

In seeking a unitary origin for the two classes of infixed pronouns, we must ask what preform of a particle in second position (following the preverb) would have disappeared after a vowel but given -d- after a consonant. Intervocally, *s was weakened to *h and disappeared, probably already in Proto-Insular-Celtic; cf. OIr. tige, MW tei (ModW tai) < PIC *tege'ata10 <

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8 Contra Schrijver, such analogical spread is necessary for *ro-(e)ti-me, *ro-(e)t-en, as *-t here was hardly at the end of a phonological word. Schrijver has apparently rescinded his earlier view (1994:183-4), which followed Watkins in assuming a particle *de in complementary distribution with *esi < *etri, hence e.g., 1sg. *kom-de-me, 3sg. *kom-d(e)-en to *kom.

9 Schrijver (1997:177-8) attempts to adduce further support for *etri from Gaul. pret. 3sg. legasit 'offered', which he takes from *leg-a-s-ti=t < *legh- (< *-t < *-eti). This is not the only possible analysis, however: K.H. Schmidt (1983:79, 1986:167-8) derives it from thematized *leg-a-e-t or *-s-t+et. The form therefore cannot be used as evidence for or against the particle *eti in Gaulish.

10 Or perhaps already *tegi'a? The OIr. development was *tege'a > *tegi'a (> *tegiya) > *tigya (raising) > *tigeya (lowering) > tige. For raising of pre-OIr. *e > *i in hiatus before a back vowel cf. OIr. gen. sg. niad 'nephew', Ogam NIOTTA < *ni'otas < *ne'otas < *nepotos. On the Welsh form, which presupposes a like raising
*tegesa. But intervocalic *st became *ss in the prehistory of Old Irish as well: cf. is 'is' < *esti < *h₁esti, ·sisedar 'places' < *si-sta- < *(s)i-sth₂, (Thurneysen 1946:96). If the resulting *ss was simplified to *s in pretonic position—certainly a very plausible and phonetically natural development—early enough, this new *s could have participated in the weakening of intervocalic *s > *h.

If we ask ourselves what would have happened to such a cluster *st after a consonant, we can make reference to by now well-established sound laws. In a sequence consisting of *r, *l, or *m, *s would have been lost, giving *rt, *lt, and *mt, respectively. This change is most familiar from the 3sg. pret. of verbal roots ending in these consonants, where, as Watkins astutely demonstrated (1962:169-74), the resulting final *-t was reinterpreted as a marker of preterite inflection (with zero-ending of the 3sg.) and spread to the other forms of the original s-aorist paradigm, leading to the creation of the Insular Celtic t-preterite: e.g., 3sg. *berst > *bert > ·bert, whence 1sg. *bers-ndo → *bert-a (vel sim.) > bert, 3pl. *bers-ndo → *bert-oddar > bertatar. Stem-internal examples of such s-deletion, which Watkins adduced in support of his conclusion, include OIr. tart 'thirst' < *tarsto-< *ťarsto-(OHG durst) and arco 'I ask for' < *parsk-< *ťarsk- (Lat. poscō 'I demand', Skt. prcchati 's/he asks'; PIE *tiːrsk- < **tiːrśk-sk-, cf. Lat. precēs 'prayers'); see Pedersen 1909:80-1 for other, less secure cases.

The same loss of *s is found in PC *xst < *kst, e.g., OIr. echtar 'outside' < *eks-tero- (and other compound of *eks- with *t-initial roots), of hiatus *e > *i, cf. Schrijver 1995:390-2.

11I leave aside the vexed question of the origin and preforms of the 2sg. and 1, 2pl. endings of the t- and suffixless preterites. Note that the lengthened grade reconstructed for the PIE sigmatic aorist on the basis of Indo-Iranian, Slavic, and Tocharian may also have survived in (Insular) Celtic and into the prehistory of Irish, contra Watkins 1962:21-2: otherwise one would not expect 3sg. perf. ru-barti < *ru bert ← *ru birt < *ro birt (vowel raising) < *birt < *bērt < *bēr-s-t (Don Ringe, p.c., following a suggestion of Warren Cowgill). For brief discussion see McCone 1986:231. (Note here that the sigmatic aorist of OCS vezv 'I convey' < *wegh-is attested in Serbian CS 3du. otevēstå se 'the two of them sailed off', translating Gr. apépleusan, thus confirming the word-equation with 3sg. Skt. ávāt, Lat. vēxit 'carried, conveyed' (contra Watkins 1962:41).)

The loss of *s in these clusters may have been of Proto-Celtic date: cf. Gaul. (Lezoux) tuoberte 'brought' ← *ber-s-t < *bër-er-, which, if correctly read by Thurneysen, provides another source of the Gaul. t-pret. (Eska 1990b:85-6 with refs.), and Celtib. (Botorrita A1) ComPalCes < *balsk- < *bāls-s-k- or *bāls-k- (Hamp 1989).

12And presumably also pre-PC *pst, though good examples are lacking.
\( \text{\textipa{\text{u}achtar 'upper part' < *uks-tero-}, and the \text{\textipa{t-}preterite of velar-final roots such as aingid 'protect' and agid 'drive', respectively -anacht (Wb.) and -acht (McConne 1986:232-3, refuting Watkins 1962:143-4).} \)

\( \text{The \text{\textipa{t-}preterites of the British languages such as W 3sg. aeth 's/he went' < *axt < *axst (pret. of mynd 'go'), an exact cognate of OIr. -acht, strongly imply an Insular Celtic date for this phonetic change and possibly the resulting paradigmatic remodeling. Least certain is the phonetic outcome of *tst, at least in Insular Celtic,} \)

\( \text{but here we have one fairly secure etymology: at-tá (atá) 's/he is' (substantive) < *atstá- < *ad-steh₂- 'to stand at/to', cf. Lat. astat 'stands at/by/near'}. \)

If we compare these sound rules with the forms of those originally consonant-final preverbs which take class B infixed pronouns, a striking pattern emerges:

<table>
<thead>
<tr>
<th>preverb</th>
<th>preposition</th>
<th>with infixed pronoun</th>
</tr>
</thead>
<tbody>
<tr>
<td>con-, com-</td>
<td>co n-</td>
<td>*kom</td>
</tr>
<tr>
<td>eter-, et(a)r-</td>
<td>eter</td>
<td>*edder</td>
</tr>
<tr>
<td>for-, for-</td>
<td>for</td>
<td>*wor</td>
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<tr>
<td>in-, in(d)-</td>
<td>i n-</td>
<td>*in</td>
</tr>
<tr>
<td>ad-, ad-/aC-l-á-</td>
<td>-</td>
<td>*ad</td>
</tr>
<tr>
<td>as-, ess-/eC-/é-</td>
<td>a h-</td>
<td>*es</td>
</tr>
<tr>
<td>as-, oss-</td>
<td>-</td>
<td>*us, *uss</td>
</tr>
<tr>
<td>fri-, frith-/freC-</td>
<td>fri h-</td>
<td>*writ</td>
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</table>

With the exception of the voicing of the component \(-t\) [-d-] of the class B person/number endings, which is regular and expected in pretonic position (Thurneysen 1946:111; see section 3), the agreement between the expected outcomes of *-Cst- and the actually attested forms of preverb + infixed pronoun is complete.

Such an exact and systematic correspondence is unlikely to be fortuitous. Although a following *de (as proposed by Watkins and advocated by Schrijver) could account for the shape of the above preverbs as well, the obvious advantage of a particle containing *-st- is its potential to account for both classes A and B of infixed pronouns (almost) exclusively by sound change. The phonological details of this hypothesis will be pursued in detail below.

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\(^{13}\) Pre-PC *tst appears to have become *ts and then the "tau Gallicum" phoneme in Gaul.; cf. Eska 1998 with refs.

\(^{14}\) The initial \-t- of conjunct \-tá, and perhaps also W taw, is abstracted from this compound, contra Jackson 1953:530.
3 Enclitic *esti in Clause-Second Position?

The reconstruction of a particle containing *-st- which originally followed the initial preverb in Wackernagel position in the clause immediately recalls Thurneysen’s and Cowgill’s idea of tracing postverbal *-(e)s to the copula *esti ‘it is’, and indeed it is hard to see what other etymological source a particle of this shape could have had. Below we shall trace the stages in the evolution of the prehistoric complex of preverb + *esti + infixed pronoun and attempt to determine the developments which must have taken place under this hypothesis. So as to be able to follow the prehistories of classes A and B in parallel, I have chosen ro· and com· as representative of vowel- and consonant-final preverbs, respectively.

After *esti had become fixed in clause-second position at the Insular Celtic stage, the preverbal complexes must have been these:

<table>
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<th>3m</th>
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<td></td>
<td></td>
</tr>
<tr>
<td>pl</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When combined with a preverb ending in a vowel such as *ro, the first vowel of *esti was almost certainly elided; cf. Cowgill’s reconstruction of the postverbal particle as *(e)s, i.e., *es after consonants (e.g., 2pl. *beretes-es > beirthe) vs. *s after vowels (e.g., 1sg. *berii-s > biru). The surface variant *-st(i)- of the original copula *esti thus came to be used with *ro, *tu, *di, *nu, etc., hence with a majority of preverbs in the language.

I propose that the consonant-final preverbs altered the second component *est(i) of their preverbal complexes to *st(i) on the model of the vowel-final

---

15 The reconstruction of the person/number infixed pronouns will not be dealt with in detail here. As already pointed out by Thurneysen (1904:114), final *-d in 3sg. neut. *-ed must have dropped early enough to trigger lenition; here this loss has been tentatively ascribed to Insular Celtic. I here reconstruct *-e < *ed, cf. the 3sg. neut. pron. ed ‘it’ < *ed-V-, following Watkins 1969. On 3sg. fem. *sēn < *seyen < *seyan < *seyām (cf. OHG sia, Lat. eam) see Watkins 1965:287, Boling 1972:87; sim. 3pl. *sūs < *sōs < *sons. These then became *sen and *sus by shortening of unaccented long vowels; cf. Cowgill 1975:49-50.
type, resulting in the following preforms (with assimilation of nasal *m to *n before now adjacent *s):

<table>
<thead>
<tr>
<th></th>
<th>sg.</th>
<th>1</th>
<th>*ro-sti-me?</th>
<th>*kon-sti-me?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>*ro-sti-te?</td>
<td>*kon-sti-te?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3m.</td>
<td>*ro-st-en</td>
<td>*kon-st-en</td>
<td></td>
</tr>
<tr>
<td></td>
<td>f.</td>
<td>*ro-sti-sen</td>
<td>*kon-sti-sen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>n.</td>
<td>*ro-st-e</td>
<td>*kon-st-e</td>
<td></td>
</tr>
<tr>
<td></td>
<td>pl.</td>
<td>1</td>
<td>*ro-sti-nus</td>
<td>*kon-sti-nus</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>*ro-sti-wus</td>
<td>*kon-sti-wus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>*ro-sti-sus</td>
<td>*kon-sti-sus</td>
<td></td>
</tr>
</tbody>
</table>

It remains to be seen whether such a small assumption of analogical remod­
eling will prove sufficient to derive the attested infixed pronouns.

Next, suppose that intervocalic *st > *ss. This change, which occurred in
both Irish and British and may therefore be dated to the pre-PIC stage, would
have affected only the first column of preforms, producing sg. 1 *ro-ssi-me,
2 *ro-ssi-te, 3 masc. *ross-en, fem. *rossi-sen, etc.; similarly for all other
preverbs ending in a vowel such as *tu and *di.

Consonant-final preverbs, however, would have been subjected to loss of
*s between a sonorant and *t, as in tart ‘thirst’ < *tarsto-, arco ‘I ask for’ <
*parsk-, and those PIE and PC sigmatic aorists which gave rise to the dis­
tinctive t-preterite of Olr. and British; cf. section 2 above. These two devel­
opments would have produced the following:

<table>
<thead>
<tr>
<th></th>
<th>sg.</th>
<th>1</th>
<th>*rossime?</th>
<th>*kontime?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>*rossite?</td>
<td>*kontite?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3m.</td>
<td>*rossen</td>
<td>*konten</td>
<td></td>
</tr>
<tr>
<td></td>
<td>f.</td>
<td>*rossisen</td>
<td>*kontisen</td>
<td></td>
</tr>
<tr>
<td></td>
<td>n.</td>
<td>*rosse</td>
<td>*konte</td>
<td></td>
</tr>
<tr>
<td></td>
<td>pl.</td>
<td>1</td>
<td>*rossinus</td>
<td>*kontinus</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>*rossiwus</td>
<td>*kontiwus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>*rossisus</td>
<td>*kontisus</td>
<td></td>
</tr>
</tbody>
</table>

I then posit a de gemination of intervocalic *ss in the conjugated forms of
*ro to *s. Syncope between like consonants then affected the 3sg.f. and 3pl.,
producing *rossisen > *rosisen > *rossen and *rossisus > *rosisus > *rossus,
respectively. This is the early syncope first proposed by Meid (1972:350-1)
to account for the unlenited final */d/ in the pres. conj. 3sg. of dental-final
verbal roots,16 e.g., ·neget ‘prays’ < *nigwedd < *nigwedit < *nigwediti, and

---

16 Though probably not in ·tét ‘goes’, the exact origin of which remains unclear
restricted by Cowgill (1980:58) to position after an unstressed syllable, hence $-V_1TV_2T(-) > -V_1TT(-)$ where $*V_1$ and $*V_2$ are both unstressed—clearly the case above. The remaining person-number forms of $*ro$, and the 3sg.f. and 3pl. of $*kom$-, then underwent the normal weakening and loss of intervocalic $*s$, likewise shared by Irish and British, e.g., in Olr. pl. $tig$, MW $t\text{-ei} < *\text{teg}a < \text{PC} *\text{tegesa$, Olr. $s\text{eir}$, MW $\text{chwior}(-ydd) < *\text{swe’oreh} < \text{PC} *\text{swesores}$ ‘sisters’. So far as can be determined, this was the state of affairs in the Primitive Irish period:

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3m</th>
<th>f</th>
<th>n</th>
<th>pl</th>
</tr>
</thead>
<tbody>
<tr>
<td>sg.</td>
<td>*ro’ime?</td>
<td>*kontime?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*ro’ite?</td>
<td>*kontite?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3m.</td>
<td>*ro’en</td>
<td>*konten</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f.</td>
<td>*rossen</td>
<td>*konti’en</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>n.</td>
<td>*ro’e</td>
<td>*konte</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pl.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>*ro’inus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>*ro’iwus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>*rossus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The subsequent development of these preforms from Primitive to Old Irish is not entirely certain. The compounds of $*kom$ may have given $\text{condom}$’, $\text{condot}$’, $\text{cond n-}$, $\text{conda n-}$, $\text{cond’}$, $\text{condon}$, $\text{condob}$, $\text{conda h-}$ by final apocope, or rather syncope of the vowel immediately preceding the stressed syllable—a natural pretonic extension of the regular and productive syncope rule of Old Irish deleting vowels in alternating syllables after the stress (see Thurneysen 1946:67 for some typical examples)—but it is hard to see why pretonic $*i$ would have given only back $a$, $o$, or $u$ (see the table in section 1). This same rule will also explain 3sg. f., 3pl. $\text{ros (n-)} < *\text{rossen}$, $*\text{rossus}$, but not the other person-number compounds of vowel-final preverbs such as $*ro$, in which $*i$ must have somehow been syncopated. I leave the solution of these and other remaining phonological difficulties for future research. The final sound change affecting initial preverb $+$ infixed pronoun was the voicing of $*t > [d]$ in pretonic position, which affected all obstruents other than $*s$ (Thurneysen 1946:111; Cowgill 1975:54fn.11).

(Cowgill 1980:58fn.10); for a recent proposal see Schrijver (1993:42-6), who takes $-t\text{-et} < *(s)\text{tinx-ti} < *(s)\text{tingh-ti}$ to the PIE root $*\text{steygh}$- ‘go up’ (Gr. $\text{stefkhō}$ ‘I walk, step’, Goth. $\text{steigan}$ ‘ascend, climb up’, OCS $\text{stignō}$ ‘I’ll reach’).

17The distinction in mutation between the 3sg. f. and 3pl. was effaced already by the Old Irish period, in which we find class A $-s$ (n-) and class B $-a$ $h-$ in both contexts; see Thurneysen 1946:261ff. for examples. I cannot now account for the generalization of $h-$ in class B vs. optional nasalization in class A.
Clearly some of the above developments have had to be assumed, and their relative chronology appears almost totally ad hoc: the changes have been presented in the order necessary to derive the required forms. A systematic investigation of the prehistory of that other major class of pretonic particles, the notorious Old Irish copula, should alleviate this drawback by providing an independent comparandum for, and hopefully confirmation of, the relative ordering of these sound changes.

These reservations aside, the foregoing has served to demonstrate the plausibility of explaining the contrast between classes A and B of infixed pronouns by positing a mandatory clause-second *esti. At this point, one should be reminded that the Cowgill particle *-(e)s can also be straightforwardly derived from *esti by early PIC apocope of final *-i and simplification of the new final cluster *-st > *-s. I am not aware of any direct parallels for the latter change, but nor are there any counterexamples; other instances of final *-sti must have been extremely rare (or nonexistent) in any case.18

4 Evidence from British

Due to the limited extent and fragmentary nature of our surviving Old British documents and the substantially greater loss of overt morphological marking (e.g., the disappearance of case-marking in the noun or almost complete elimination of the absolute/conjunct distinction in the verb), it is not surprising that Old Irish provides by far the best evidence for the syntactic structure of an earlier stage of Celtic. Nevertheless, traces of an earlier Proto-British twofold verbal paradigm survive, e.g., in MW trenghit golut, ny threingk molut (RBH 1082) 'wealth perishes, fame perishes not', egid (Computus), MW eyt 'goes' or in OB glosses such as fleriot 'smell of' < *-ti+s, trouit 'returns, withdraws' < *-ti+s (Fleuriot 1964:300; Pedersen 1913:338, 343, Lewis and Pedersen 1937:283)19, which match OW and MW forms in -awt, -awd, -aud and -it, -id, respectively (Simon Evans 1964:118-9). These relic forms agree in preserving a dental-final ending that must go back to abs. *-ti+s rather than conj. *-ti > *-Ø, from which the usual Middle and Modern British 3sg. endings are descended.

18A parallel for *-st > *-s occurs in Gaul. pret. 3sg. prinas < *kri-n-h₂-s-t (La Graufesenque) or readdas (Argenton-sur-Creuse). Thanks to Joe Eska for bringing these forms to my attention.

As Cowgill has shown, the presence vs. absence of a particle *(e)s in clause-second position will also account for Old British relic forms such as those above, as well as the s-preterite (Cowgill 1975:63-4). Clearly, however, the often fragmentary and sparse data of older British constitutes less probative evidence than that of Old Irish, and adds little further support to the hypothesis of an original particle *esti.20

If this is correct, it follows that at least Irish and British have shared in the syntactic innovation by which *esti came to stand in second position in most clauses. This development, which is unlikely to have occurred independently, would therefore provide additional support for the Insular Celtic hypothesis, according to which Irish and British comprise a separate subgroup of Celtic (cf. most recently McCon 1992, 1996:98-104). Though we cannot perhaps entirely rule out the possibility that "*esti-second" arose earlier in the history of Celtic, say in the "Nuclear Celtic" ancestor of Gaulish, British, and Irish,21 the lack of any trace of *esti or its syntactic effects in the attested clausal configuration of Gaul. (see Eska, forthcoming) speaks in favor of an Insular Celtic innovation.

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20 One obstacle to deriving the OBr. absolute forms from postposed *esti is that the treatment of intervocalic *st in British is problematic: among words both s(s) and st seem to occur, with no discernable conditioning factor distinguishing the two outcomes (Pedersen 1909:78-80, 136; Lewis and Pedersen 1937:20-1, 47, Jackson 1953:529-34, 1967:756fn.1). Cf. for example W gwas 'servant’, MC gwas ‘boy’, B gwaz ‘man, servant’ (OIr. foss ‘servant’; cf. Medieval Lat. vassus, the source of Engl. 'vassal') < *wosto- < *upo-sth2-o ‘standing under’ vs. W clust (f.lm.) ‘ear’ (OIr. v.n. clúas ‘hearing’) < *klowstā or sim. After discussing the relevant examples and eliminating what he believes to be doubtful or false etymologies, Schrijver (1995:414-5) observes that "all alleged instances of PBr. *-st- ... belong or may belong to a root ending in *s"; he explains this pattern by postulating that these PBr. *-st- reflect *-s-st-, i.e., root-final *s followed by a suffix in *-st- (on which see pp. 406-7), though it is also possible that *s could have been analogically restored in these words after the change of *VstV > *VssV. He therefore concludes that "there can be no doubt that the regular reflex of PCl. intervocalic *-st- in British is s", or rather *ss. Even if the evidence may perhaps be less clear-cut than presented by Schrijver, observe that we have two solid examples of *st > PBr. *ss between unstressed vowels: MW ys ‘is’ (OIr. is) < *esti+s, originally enclitic, and s-preter. 3sg. W, C, B -s (OIr. abs. -(a)is) < *-st+es. There is thus good reason to believe that *st in pretonic (attached to the first preverb) or posttonic position (after a simplex verb) would have developed to *ss, whence degemination to *.s.

21 As pointed out to me by Don Ringe. The use of the term “Nuclear Celtic” for the ancestor of all (continental and insular) varieties of Celtic following the separation of Celtiberian is also due to him. Below I shall continue to use “Insular Celtic” to denote developments common to British and Irish.
5 Syntactic Consequences

If the postverbal "Cowgill particle" and the distribution of class A and B infixed pronouns do indeed descend from near-obligatory clause-second placement of the PIE copula *(h₁)esti, this has major consequences for our understanding of the prehistory, not only of the verbal system, but of the constituent configuration of Celtic as well. As Cowgill himself noted at the end of his 1975 article (1975:68fn.22), Paul Thieme had remarked that "the obligatory use [of *esti] in most clauses may have grown out of a usage similar to that of Sanskrit asti 'it is the case that', e.g., in Patañjali, Mahābhāṣya I 230.19ff.: kaścit ... pṛcchaiti: aṣṭy atra kā mciid gām payāṣī "Somebody asks: 'Is it [that] you see here a certain cow?'", namely "do you actually see, do you see?". For further examples and discussion see Thieme 1965:90-1.

Put another way, it would appear that at some point in the prehistory of Irish, main clauses of declarative sentences were transformed by a cleft construction, in which the first preverbal particle (of a compound verb) or a simple verb was fronted to initial position. As traces of this same *esti are also found in British (see section 4), we may infer that this syntactic change was completed before the breakup of the last common ancestor of British and Irish.

This proposal has consequences for the developments which took place during the evolution of VSO configuration in Insular Celtic. Carnie, Pyatt, and Harley (1994) present evidence that the VSO order of Old Irish (and Old Welsh) results from a "weak verb-second (V2)" constraint which requires the C(omplementizer) slot to be filled with overt phonological material at surface structure (s-structure). For compound verbs, this constraint is fulfilled by raising the first preverb to C, as already suggested by McCloskey (1978); in the absence of a preverb, the simplex verb itself moves to C, where it assumes a special clause-initial, i.e., absolute, inflection. Object clitics—in practice principally pronouns—adjoin to C, giving the familiar infixed pronouns after a preverb and suffixed pronouns after a clause-initial simplex verb, a contrast fully preserved in Early Old Irish. Because the specifier of CP must remain empty (unlike, say, in the Germanic languages, where some XP is fronted to produce verb-second order—hence the "weak V2" constraint), this movement to C, in addition to the V-to-I raising known from Modern Irish, accounts fully for the VSO order of Old Irish. Below I give examples for sentences (1) and (2).

Recently, Eska (1994) has proposed a model for the historical evolution of Celtic constituent configuration, from the SOV order reconstructed for PIE and Proto-Celtic and attested in Celtiberian, through the underlying SVO
structure of Gaulish to the VSO of Insular Celtic. According to Eska, verb-initial surface order in Celtiberian could result from movement “to initial position in the clause for a variety of pragmatic purposes” (p.18), extraposition (pp.19-20), or a following clause with verb-gapping in compound sentences (p.20); these “presumably led to a reanalysis such that the dominant configuration at s-structure in Gaulish eventually became verb-medial” (p.21). In Gaulish, the sources of VSO surface order, in addition to pragmatic movement to initial position, included imperative verbs fronted to C and verbs raised to C to host a clitic, e.g., in sioxt=i ‘added them’, DUGIJONTI=JO ‘(they) who serve’, and to=me=declai22 ‘(and?) set me up’ (24-6). In this last example, with -me ‘me’ phonologically enclitic to the sentential connective to, eclai must still raise to C to serve as a syntactic host—i.e., Vendryes’s Restriction is in effect in Gaulish, if only optionally (see below).

(1) Crenaid in fer in lebor.
    Buys (pres. ind. 3sg. abs.) the man (nom.) the book (acc.)
    ‘The man buys the book.’

\[ \begin{array}{c}
\text{CP} \\
\text{Spec} \quad \text{C'} \\
\text{Ø} \\
\text{C} \\
\text{IP} \\
\text{Spec} \quad \text{in fer}_i \\
\text{Crenaid}_i \\
\text{Spec} \\
\text{I'} \\
\text{I}_t \\
\text{Spec} \\
\text{VP} \\
\text{V}_t \\
\text{V} \\
\text{NP} \\
\text{in lebor}
\end{array} \]

22On the segmentation of this form see Eska and Weiss 1996: declai < *de+ek+lā-i, with 3sg. perf. -i < -*e in hiatus. For the root cf. OIr. ro-lá, perf. to fo-ceird, -cuirethar ‘puts, throws’.
Such cases, Eska suggests, apparently led to a generalized rule of V-to-C movement in Insular Celtic, with the innovation being a requirement for C to be filled at s-structure.

In light of the evidence from the distribution of Old Irish infixed pronouns for a requirement of clause-second *esti at some point in the prehistory of the language—a hypothesis supported by the success of the Cowgill particle *es < *esti in explaining the contrast of absolute and conjunct verbal inflections in Insular Celtic—these views, both synchronic and diachronic, may be slightly modified. Specifically, this evidence suggests that, at some point in time, the *esti found at C in cleft constructions became obligatory, along with the raising of the first preverb or simple verb to provide overt phonological matter in C. Vendryes's Restriction, or rather Eska's (1994:32) description of it as "requir[ing] the verb to host clitic pronominal objects syntactically,"23 then had the effect of raising the verb to C in compounds

23 As Eska observes, the "Bergin's Rule" and tmesis constructions of Early Old Irish (which survive into the 8th and 9th centuries; see Greene 1976) must then reflect "manifestations of residual grammars no longer in active use in vernacular speech, but
such as _da·mbeir_ in (2). The revised configurations for sentences (1) and (2) are therefore (1') and (2') below, where \( X \) stands for the "Cowgill particle", originally \(^{*}\text{esti.} \)

(1')

\[
\begin{align*}
\text{CP} & \\
\text{Spec} & \text{Ø} \\
\text{Ø} & \text{C} \\
\text{C} & \text{Cl} \\
\text{Cl} & \text{Spec (\_in\_fer\_j)} \\
\text{Spec (\_in\_fer\_j)} & \text{I} \\
\text{I} & \text{VP} \\
\text{Spec (\_ti\_j)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\text{Spec (\_ti\_j)} & \text{VP} \\
\text{VP} & \text{NP (in lebor)} \\
\text{NP (in lebor)} & \text{Spec (\_ti\_j)} \\
\end{align*}
\]

(2')

\[
\begin{align*}
\text{CP} & \\
\text{Spec} & \text{Ø} \\
\text{Ø} & \text{C} \\
\text{C} & \text{Cl} \\
\text{Cl} & \text{Spec (\_in\_fer\_k)} \\
\text{Spec (\_in\_fer\_k)} & \text{I} \\
\text{I} & \text{VP} \\
\text{Spec (\_ti\_k)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\text{Spec (\_ti\_k)} & \text{VP} \\
\text{VP} & \text{NP (\_don\_macc\_)} \\
\text{NP (\_don\_macc\_)} & \text{Spec (\_ti\_k)} \\
\end{align*}
\]

preserved for literary use, i.e. they are genuine archaisms" dating from the time before Vendryes's Restriction became obligatory (32-3).
Since V-to-C movement is believed to have been triggered by a requirement for C to be lexicalized, i.e., to contain overt phonological material, one might assume that X itself does not satisfy this requirement. Yet it is clear that X is realized phonetically as [-h-] in compound verbs such as *do·ic [do hig'] 'reaches', and the combination of preverb and X results in the form to which the enclitic pronoun is attached; moreover, the distinction between verb and X and bare verb underlies the absolute/conjunct contrast of the OIr. verbal system. Further study should shed more light on the exact status of X, both syntactic and phonological.

The changing status of X may help to account for some of the syntactic developments postulated for the prehistory of OIr. Whereas Carnie et al. (1994) give no syntactic (or morphological) motivation for their "weak-V2" constraint, Heidi Harley has recently suggested (p.c.) that V-to-C movement may have been motivated in order to host X (i.e., *es < *esti) after its phonological reduction to clitic status and the consequent loss of cleft syntax. Later, as the Cowgill particle became phonetically fused into preverbs and absolute verb forms and morphologized as the absolute-conjunct or prototonic-deuterotonic contrast, verb movement became feature-driven, resulting in a genuine "weak-V2" constraint in OIr. This would have the benefit of deriving V-to-C movement universally in main declarative clauses, versus Eska's (1994) generalization from Vendryes's Restriction in sentences containing pronominal objects.

Obviously much of the above is far from fully established: in particular, the exact phonological details of pretonic sequences of preverb + *esti + pronoun (section 3) remain to be worked out, and the status of the always tricky "Bergin's Law" constructions may need to be interpreted somewhat differently. Among the many questions awaiting discussion, I will mention only the apparent absence of *esti in the "responsive", i.e., the first sentence in response to a question, in which a simple verb occurs in conjunct instead of absolute inflection. Here Schrijver's account (1994:184fn.23) is undeniably attractive: whereas discourse-internal clauses would regularly have employed *eti, the first clause would naturally have dispensed with any such connecting particle. Nevertheless, the brief discussion above should hopefully demonstrate how the hypothesis of an obligatory *esti in clause-second position fits with much of the syntactic research to date on the prehistory of VSO configuration in Old Irish and Insular Celtic, including the "weak-V2" hypothesis of Carnie et al. (1994) and Eska's formulation of Vendryes's Restriction. As so often in the case of Irish, the massive accumulation of sound change has all but effaced the original shape of a morphological element, leaving behind two sets of verbal inflections and an otherwise inexplicable distribution of infixed pronouns as our only remaining clues to its prior existence.
References


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