

*Introduction:* This paper has two main goals. The first is to argue that the interrogative clitic =*du* in Sm'algyax (Maritime Tsimshianic, ISO 639-3: tsi; VSO) is a genuine case of a penultimate (“second-last position”) clitic, which is so rare typologically that its very existence has been disputed (Klavans 1985; Marantz 1988; Billings 2002; Cysouw 2005). The second is to show that a two-step model of clitic linearization at spell-out can account for its distribution and allomorphy: the first stage involves a morphological clitic placement operation read off a suitably impoverished syntactic representation, the second a phonological operation sensitive to local allomorphy.

*The empirical challenge:* In Sm'algyax, content questions are characterized by a clause-initial *wh*-expression together with the clitic =*du*, which appears in three distinct positions: following an argument DP (1); following the predicate (2); or following the initial *wh*-expression (3).

- (1) *Nde=t wil-t gap-t=a ts'u'uts=du=a laalt*  
 where=IRR.CN COMP-3.I eat-3.II=CN bird=Q=CN worm  
 ‘Where did the bird eat the worm?’ *Argument placement*
- (2) *Go=t gan dawt=du=t Dz'on*  
 what=IRR.CN REAS leave=Q=PN John  
 ‘Why did John leave?’ *Predicate placement*
- (3) *Naa=du gu in=t yoyks=a noot*  
 who=Q REL AX=3.I wash=CN dish  
 ‘Who washed the dishes?’ *Wh-placement*

*Analysis:* We tackle the problem of =*du*-placement in three steps. First, we show that in terms of its syntax, =*du* is restricted to root-level content questions such as (1)–(3); it may not occur in embedded questions, nor in any non-interrogative *wh*-constructions such as exclamatives, free relative clauses or as a *wh*-indefinite pronoun. Based on this distribution and the fact that interrogative clitics in every other Tsimshianic language categorically appear in the final-position of a root clause (Rigsby 1986; Tarpent 1986, 1994), we suggest that =*du* is base generated in the clausal right periphery (heading a ForceP projection), and takes a CP complement (4).

- (4) [<sub>ForceP</sub> [<sub>CP</sub> WH ...] =*du* ]

Any attempt to derive the various positions of =*du* from its base position via syntactic movement is not viable: such movement would involve, e.g., phrasal movement out of, or lowering into syntactic islands.

Next, we show that in terms of its phonology, =*du* is straightforwardly enclitic: it never appears in initial position, it exhibits contextual allomorphy effects conditioned by a host to its left (resulting in surface forms of [du] or [ju]), and it can be followed by other uncontroversially enclitic elements such as the proper noun determiner =*t* in (2).

We conclude that the linear positions of =*du* can neither be derived syntactically nor prosodically. Instead, we propose an additional operation of purely morphological linearization: more specifically, we claim that *morphologically*, =*du* is a *proclitic*. This allows us to provide a unified account for all three positions illustrated in (1)–(3), as follows.

Starting with argument placement (as in (1)), we assume the underlying syntactic structure schematized in (5). (DP<sub>S</sub> = intransitive subject, DP<sub>A</sub> = transitive subject, DP<sub>O</sub> = object). As a morphological proclitic, =*du* must precede a constituent to its right; but as a phonological enclitic, it must find a host to its left. Assuming that it will choose the most local possible morphological host, it will therefore linearize inside the (O) DP immediately to its left, as in (6).

- (5) [ [ WH V DP<sub>A</sub> DP<sub>O</sub> ] =*du* ]                      (6) [ WH V DP<sub>A</sub>=*du* DP<sub>O</sub> ]

