# A MINIMALIST APPROACH DUTCH SYNTAX

by Jan-Wouter Zwart

## Marcel den Dikken Reviewed by

### by the author Summary

## Main points

This thesis argues for two main points:

- Licensing relations are sisterhood relations All phrases in Dutch have the structure in (2), where YP precedes  $X^0$ , and  $X^0$  precedes ZP.

a projection for licensing tense (TP), and projections for licensing "topics" (TopP) and wh-elements (WhP). These projections are ordered in the sequence WhP-TopP-AgrSP-TP-AgrOP. Dutch sentences includes (at least) agreement projections for subjects (AgrSP) and objects (AgrOP), The *licensing relations* in (1.1) include relations of theta-role assignment and licensing of Case and Agreement. The latter is assumed to take place in functional projections, as in Chomsky (1991, 1993). (1.1) is studied in connection with the synof Dutch, but is assumed to be universally cort. It is argued that the functional domain of

initial. If Kayne (1994) is correct, this is also a universally correct statement about language. (The replacement of traditional X' by XP goes back at least to Hoekstra 1991.) According to (1.2), both the functional projections and the lexical projections in Dutch are organized as in (2), i.e. the structure of Dutch is *head* 

It follows from (1.1) that specifier—head agreement (in the technical sense) does not exist. That is, YP in (2) is not licensed by X<sup>0</sup> but by the combination of X<sup>0</sup> and ZP, XP. This XP is called the Projection of X<sup>0</sup> (the top XP node is called Segment). Descriptively, spec—head agreement still exists, in the sense that a subject agrees with AgrS (which in turn agrees with the verb, cf. Chomsky 1993). Therefore, the XP Projection must have access to the features of X<sup>0</sup> that are relevant in the agreement relation (in our example, the AgrSP Projection must have access to the N-features of AgrS). Languages may differ in whether X<sup>0</sup> is accessible to its Projection or not. The following is proposed:

- A functional head  $\alpha$  is [accessible]
- A [-accessible] functional head  $\alpha$  is made [+accessible] by removing the V-features of  $\alpha$

are present on the AgrSP Projection, and the subject checks the N-features (and its own features) by moving to the specifier position of AgrSP This is what happens in English, where the nonadjalicensing the subject: cency of the subject and the finite verb indicates So if AgrS is [+accessible], the N-features of AgrS

and the verb indicates that the subject and the verb are in a specifier-head configuration: Dutch, where the adjacency between the subject If AgrS is [-accessible], the V-features of AgrS have to be removed before the subject can be what happens in subjectinitial main clauses in licensed in the specifier position of AgrS. This is

- <sub>b</sub> 9
- In embedded clauses in Dutch, the verb does not
- 6
- 'n dat Jan waarschijnlijk weg ging that John probably away went dat Jan ging waarschijnlijk weg

This leads to the conclusion that the movement of the finite verb ging to AgrS in (5a) cannot be described by assuming that the V-features of AgrS are strong. If the V-features of AgrS in Dutch were strong, (6b) should be grammatical and (6a) should be ungrammatical.

mentizer ag Hollandic): Dutch, German, and Frisian, in which the complementizer agrees with the subject ((7) from South criminately referred to as C). Evidence for AgrSto-C movement is found in various dialects of tures of AgrS in (6a) are removed by moving AgrS to a higher functional head (i.e. Top or Wh, indis-For this reason, it is assumed that the V-fea-

## ಭ

ture, we may now assume that the presence of the If AgrS moves to C, C ends up with a weak V-fea-

phrase to the specifier position of CP (e.g. to the specifier position of TopP) is accompanied by verb movement to C, and languages in which such verb movement to C is absent between languages in which movement of a We therefore expect there to be a difference

- Probably John left
- b. \*Probably did John leave

Again, we can say that the relevant functional head (Top) is [+accessible] in English.

- Ġ, Jan ging waarschijnlijk weg John went probably away \*Jan waarschijnlijk ging weg John probably went away
- move to AgrS:

- that John went probably

- ъ Э
- ..dat ik kom that-sc I come-sc ..datte we komme that-PL we come-PL

It is assumed in the thesis that AgrS-to-C movement effectively removes the V-features from the AgrS position, rendering AgrS [+accessible] and making licensing of the subject via the AgrSP Projection

## Verb Second

weak V-feature in C again potentially blocks N-feature checking by the CP Projection.

movement to C is absent.

constructions occurs in English: Absence of verb movement in topicalization

- <u>@</u>

In Dutch, topicalization is always accompanied by verb movement to Top:

- Waarschijnlijk ging Jan weg probably went John away \*Waarschijnlijk Jan ging weg probably John went away
- probably we.... "Waarschijnlijk Jan gi

checking the V-features of AgrS off tures that are present on C (i.e. those of AgrS) have to be removed by moving the verb to C and Again, we can say that the recommendation of the AgrS head adjoined to Top) is [-accessible] in Dutch. Consequently, the V-fea-

considerations build on Travis 1984) al subject preposing rule for subject initial sentences (moving the subject to Spec, CP)(these approaches one was forced to assume an additionsubject can be assumed, whereas in previous has the advantage that a canonical position for the stituent, no matter which position the first constituent occupies (Spec, AgrSP or Spec, CP). This heads and phrases in functional projections, i.e. the verb has to be left adjacent to the first con-Dutch. In the present approach, the verb second phenomenon is the result of overt licensing of movement rule in Verb Second languages like same mechanism that makes verb movement to AgrS necessary. This explains the similarity between the two movement processes, which has led researchers to assume a single V-to-COMP Verb movement to C then follows from the

a complementizer occupies the C-position ly in (10)), there is no verb movement to ( In embedded clauses like (6a) and (10), in which (optional-

0

Ik vraag me af wie (of) het gedaan heeft I wonder who if it done has

'I wonder who did it.

This leads to the conclusion that (3.1) only applies to empty functional heads. If so, the accessibility issue does not arise with respect to C in embedded

## 4

following: The analysis of verb movement suggests the

Dutch sentences feature more functional projections than just CP
The functional projections of Dutch are all head initial

'n

(11)

tests suggest that CP should be split up into TopP and WhP, both head initial as well. functional domain involving head initial AgrSP, TP, and (maximally two) AgrOPs. Various other various (sentence initial) positions in which clitics can appear lend support to the structure of the weak pronouns in question are clitics. Assuming that clitics signal functional head positions, the sis of the distribution of weak pronouns in Dutch and West Flemish (a dialect of Dutch particularly suited for the study of clitics). It is argued that the Both points are further strengthened by an analy

The following generalization about clitics in Dutch can be made:

(12) Clitics never appear to the right of the functional projection in which the noun phrase which the clitic replaces would have

clitics appear in the head position of the agreement phrases (or move higher). appear in the head position of a Clitic Phrase (or move higher). The distribution of clitics is linked for direct objects. This argues against the hypothesis by Sportiche (1992), according to which clitics right of (full) direct objects, because the AgrOP for indirect objects is situated to the left of the AgrOP to the agreement phrases, which suggests that Thus, indirect object clitics never appear to the

# Dutch as an SVO language

If the functional projections in Dutch as head initial, so must the lexical projections in Dutch are all

ing asymmetry between Embedded clauses in Dutch display the followclausal complements: noun phrase

This is explained if noun phrases (DPs) move to their licensing position (in AgrOP) *overtly*. The same trigger for movement does not apply to clauses, assuming that licensing in AgrOP amounts to Case licensing, and that clauses do not

require Case licensing.

If so, CP in (13b) indicates the base position of the verb's complement, and the VP in Dutch is head initial. The hypothesis that the VP in Dutch is head initial also leads to a more elegant analysis of verb clustering (Verb Raising) and allows us to eliminate the rule of Verb Projection Raising.

eliminate the rule of Verb Projection Raising.

Postpositional PPs in Dutch are argued to involve raising of a PP complement (of a head initial PP), headed by an empty preposition:

Postpositional PPs are shown to pattern with circumpositional PPs, which also have the structure in (14a). Prepositional PPs are less complex, showing the structure in (14b). PPs, then, are also uniformly head initial.

A similar argumentation is presented for APs, while NPs and DPs are unequivocally head initial. If the complement of a verb is a Small Clause (SC), the subject of the SC is raised to AgrOP (or AgrSP), and the predicate of the SC is raised to the specifier position of a functional projection designated for the licensing of embedded predicates (PredP). The spec-head constellation of the predicate and the verb (which eventually moves to Pred) gives rise to the wellknown complex predicate

## **o** The minimalist approach

The thesis is written in the spirit of theories of

adjunct in addition to having a specifier (sparing us a number of additional projections for which there does not seem to be morphological support). It is also assumed that clitics generally adjoin to the right of their host, suggesting that adjunction of clitics is not syntactic adjunction and falls outside of Kayne's *Linear Correspondence Axiom*. However, one of the two main points argued for in the thesis, (1.2), concurs fully with Kayne (1994). Chomsky (1993) and Kayne (1994).

It generally takes a weaker stance than Kayne (1994) on the issue of possible structures. For example, it follows from the distinction between Segment and Projection that an XP can take an

The thesis deviates in certain points from Chomsky (1993) as well, but these are not obviously weakenings of the program. For instance, X-bar theory is eliminated and replaced by the following generalization:

(15) If  $\beta^n$  is adjoined to  $\alpha,$  the projection of  $\alpha$  is an  $\alpha^n$ 

among other things the stranding of clitics to the right of the subject in inversion constructions in Dutch.) Finally, the concept Form Chain is modified in the following way. Long distance wh-movement is analyzed as involving generation of empty wh-elements in the specifier positions of intermediate WhPs, after which the fronted Wh-element moves in one step and is linked up with the intermediate wh-elements in an interpretive process. the minimalist approach. (This allows us to analyze verb movement to C as a movement that skips AgrS in Dutch: AgrS having moved to C independently, there is no minimalist requirements Secondly, the conflict between the two requirement, e.g. in terms of feature checking, forcing the verb to land in AgrS on its way to C. This explains versus fewest steps) is resolved by arguing that the shortest move requirement is dispensable in of economy of derivation (shortest move forcing the

This appears to be the only way in which successive cyclic wh-movement can be made compatible with the principle of Greed of Chomsky (1993).

References
Chomsky, N. (1991). Some notes on economy of derivation and representation. In *Principles* and parameters in comparative grammar, Freidin (ed.) Cambridge, Mass.: MIT Press.

Chomsky, N. (1993). A minimalist program for 20, K. Hale and S.J. Keyser (eds.). Cambridge, Mass.: MIT Press. ekstra, E. (1991). Licensing conditions on phrase structure. Diss., University of Groninlinguistic theory. In The view from

Hoekstra, E. (1991). *Licens* phrase structure. Diss., gen.

Kayne, R.S. (1994). *The* Cambridge, Mass.: N MIT Press. antisymmetry of syntax.

Sportiche, D. (1992). Clitic UCLA. Mass.: constructions.

L. (1984). Parameters and effects of word er variation. Diss., MIT.

### by Marcel Review den Dikken

# Functional heads and their movement

main clauses being derived via movement of the finite verb to Comp (which, in contrast to Infl and V, precedes its complement). The OV base hypothesis and the assumption that in all headclauses movement of the finite verb to Comp obtains are both called into question in Dutch Syntax: A Minimalist Approach. Zwart's main arguments are built on detailed investigations of the syntax of clitic constructions and complementizer agreement phenomena in the West-Germanic dialects. These are the topic of the pivot al third chapter of the book, which follows a general introduction to the minimalist framework and a chapter laying out the central properties of Dutch syntax, its previous accounts and an initial sketch of the approach taken here. Chapter III's 200-page discussion of verb movement in Dutch and its dialects. around the West-Germania and availing itself of the machinery of the minimalist program of Chomsky (1993), Zwart's study lends important support to Kayne's (1993) claim that phrase structures are uniformly of the basic form Specifier—Head—Complement. lects extensively develops an analysis of the functional structure of the Dutch clause involving three inflectional projections outside VP (AgrSP, TP and AgrOP), dominated by two Comp-type projections (WhP and TopP), all of which are head-initial, with left-peripheral specifiers. Basing the base, and its projection in its turn precedes the Infl-node. The OV word order of embedded clauses is then straightforwardly accommodated, and a canon of research in their wake) has always held that Dutch is a language with an underlying OV structure. The verb follows its complement in The standard generative analysis of the Dutch 1975, Den Besten 1977

going overt movement in the bulk of cases, little can be ascertained about it in any direct way. Although Zwart includes a chapter on the lexical structure of Dutch (chapter IV), he can do little the lexical domain, and especially its directionality, is generally not particularly exciting since, with either the lexical head or its complement undertered around (by them selves) hardly convincing considerations of elegance, which might favor a head-initial approach to the lexical projections of more there than cast doubt on arguments for the head-final nature of AP, NP, PP and VP, and comheart of the matter. The functional domain is where the heat is in antisymmetric minimalism: Constructing a strictly head-initial outlook on the *functional* structure of Dutch clauses is the pile several pieces of circumstantial evidence, cen

> Dutch. This chapter, then, I shall essentially ignore here. Instead, I shall focus on the argumentation for a minimalist and antisymmetric analysis of the functional structure of Dutch. (For a en passant updates and further develops some aspects of his 1993 analysis.) more extensive — but unfortunately rather negatively biased and conceptually poor — critique of many of the technical details of Zwart's thesis, I refer the reader to Gärtner & Steinbach 1994; Zwart 1994 counters most of their arguments and but unfortunately rather nega-

clause-initial position, illustrated in (1), he argues against a uniform V-to-C movement (generalized V2) hypothesis, taking (1) to indicate that the syntactic position of weak subjects is different from Central in Zwart's plea for strictly head-initial functional structure in Dutch are the properties of weak pronouns, both subjects and objects. Capitalizing on the well-known dichotomy between weak that of topics. subject pronouns and non-subject pronouns in

- JijiJe hebt mij gezien you(S.PRON)/you(S.CL) have me seen Jou/\*Je heb ik gezien you(O.PRON)/you(O.CL) have I seen

which SpecCP quantities as a control relationship entertains a Spec-Head agreement relationship with the filler of the C position. But the burden with the filler of the C position. But the burden of the C position is a control of the control of the C position. finds itself in a different position than the topicalized object in (1b). Reinvigorating Travis' (1984) asymmetric approach to V2 constructions, Zwart proposes, on the basis of (1), that subject-initial main clauses in Dutch are AgrSPs with verb proof in this case certainly resides with such approaches and not with the alternative analysis according to which the subject pronoun in (1a) movement to AgrS, while non-subject-initial main clauses continue to be larger than AgrSP. This being said, the surface word order of (1a) then dictates that AgrSP is head-initial. approach to the A/A'-distinction, according to which SpecCP qualifies as an A-position iff it late point: pp. 235–37), the generalized vz analysis certainly has ways of capturing this distinction—see for instance Rizzi's (1991) functional Zwart duly acknowledges (albeit at a rather e point: pp. 235–37), the generalized V2 analy-

ional projection(s) dominating AgrSP in mind, we would now be in need of strong empirical evidence to be able to successfully argue that the rest of the inflectional structure of Dutch is head-final. Such evidence is lacking; indeed, Zwart argues, there is in fact empirical evidence in favor of TP and With this conclusion drawn, and with the well-known evidence (see e.g. the grammatical variant of (1b)) for the head-initiality of the funct-AgrOP being head-initial

pronouns — this time from the syntax of object clitic constructions in West Flemish. Bearing in mind Zwart's crucial hypothesis that object clitics in West-Flemish (like their Romance cognates; cf. paradigm The evidence again comes from weak 1991) are AgrO <u>છ</u> heads, consider

- Gisteren ee't Valre Marie gegeven c yesterday has-o.cL V M given Z'ee't zie Marie gisteren gegeven S.CL-has-o.CL she M yesterday given Z'ee zie 't Marie gisteren gegeven S.CL-has she O.CL M yesterday given Z'ee zie Marie't gisteren gegeven— ( S.CL-has she M o.CL yesterday given o.cr in Comp
  - Ò, o.cL in AgrS
- o.cL in
- ġ. o.cl in AgrO

clusion that regular subject-initial head clauses are no larger than AgrSP now dictates that the object clitic in (2b) must be right-adjoined to the head of AgrSP. This projection is thus once again subject pronoun doubling a clitic in AgrS allowed (in fact, forced) to stay down in S takes this pronoun to occupy SpecTP in overt syn tax (leaving unaddressed the question of why a An while non-doubling subjects must move to Specis that they involve *clitic* AgrSP overtly). This being said, our earlier interesting property of the examples in (2b-d) doubled by a full pronoun zie. Zwart doubling the subject SpecTP Ŗ.

in view of surface word order in (2c), precedes its AgrOP complement in West Flemish. And finally there is (2d), which features the direct object clitic to the right of the indirect object NP. Clitics being generated as functional heads, (2d) illustrates that 't can show up under the head of a left-headed AgrO projection. All in all, then, the different placement possibilities of the object clitic in West Flemish (2) diagnose the functional structure in rect objects, like direct objects, undergo overt-syntactic Case-checking movement to a SpecAgrOP position in Dutch, Zwart argues. In (2c), then, 't surfaces in a head position between SpecTP and SpecAgrOP — the obvious candidate is T, which, (3), where the direct object clitic (base-generated as a filler of AgrDO) can undergo optional upward movement to any of the higher functional heads (C in (2a), AgrS in (2b), T in (2c) and (at least potentially) AgrIO in (2d)). the doubling pronoun zie and finds itself to the immediate left of the indirect object Marie. Indiseen to be *head-initial*. The same holds for TP, as (2c) shows. Here the object clitic directly follows

်ဋ္ဌာ 😡 , C [ $_{
m AgrSP}$  AgrS [ $_{
m TP}$  zie T [ $_{
m AgrIOP}$  AgrIO [ $_{
m AgrDOP}$  [ $_{
m AgrDO}$  Do.cl.]

claim that all adjunction is left-adjunction. Zwart is led to conclude that when clitics move to higher F-heads and verbs move to clitics, they rightadjoin to their hosts, in apparent contradiction of Kayne's LCA. He himself is not entirely satisfied with this "somewhat puzzling result" (p. 157). But for apparently independent reasons (which remain mysterious), Chomsky (1994:31) has recently presented an intellectual exercise aimed at showing that there are ways of leaving open the direction of head-to-head adjunction, so perhaps we should not be too upset by this departure from strictest antisymmetry. Be that as it may, Zwart's account of clitic placement in West Flemish runs into more serious problems concerning its delicate interaction with the account of verb movement and functional head movement, presented in a separate section of chapter III.

Notice first that in (2c,d) the finite verb has moved to AgrS, apparently skipping the inflectional head positions intervening between its base The argument Zwart builds on (2) seems compelling, even though his disclaimer that "it is not clear what a minimalist theory of cliticization should look like" (p. 150) weakens its force. There is one obvious respect in which Zwart's account of clitic placement in West Flemish is disappointing—it must abandon Kayne's (1993) restrictive

where the position of the subject clitic shows that the verb cannot first have right-adjoined to AgrS (which hosts the subject clitic) on its way to Comp position to its final resting place in one fell swoop in (2c,d). The same is true in an example like (4), object clitic, this clitic is not taken along by the verb moving to AgrS. V hence moves from its base al head positions intervening between its base position and its landing-site (T and AgrO). This is evident from the fact that, if T or AgrO hosts an

Gisteren eese/\*z'ee zie 't gekocht yesterday has-S.CL/S.CL-has she it(O.CL) bought

Comp? In order to be able to answer this question, we should first investigate the derivation of a V2 Why does the verb have to skip AgrS on its way to

construction like (4) in some more detail.

Zwart argues, on the basis of an interesting analysis of an impressive range of West-Germanic complementizer agreement facts (facelifting and revising an earlier proposal by Hoekstra & Marácz 1989), that in West-Germanic AgrS undergoes so-called functional head movement to Comp. That S.

Now, in V2 sentences like (4) the verb must ultimately end up in Comp. Its motive for moving there is the checking of its V-feature against that (5) whenever there is a Comp, AgrS moves there on its own without being accompanied by the verb). (i.e

Comp. Its motive for moving king of its V-feature against that

tax, Zwart cleverly argues, not because AgrS's V-feature is strong (for otherwise it would be difficult to exclude overt-syntactic V-fronting in embedded clauses) but because of the strength of Comp's N-feature, which is to be checked against the topic's N-feature. I shall return to this argument below.) But now there is no need for the verb to touch down in AgrS's base position on its way up — it can accomplish V-feature checking more economically by moving to AgrS in C straightaway. For by the "fewest steps" requirement of economy of derivation (which Zwart preserves while rejecting the "shortest move" constraint), we expect to find a correlation between functional head movement and head-skipping verb movement, such that, as Zwart puts it: of AgrS in C. So the finite verb will adjoin to AgrS in (4). (This step must be taken in overt syn-

(6)
"functional head movement takes place whenever verb movement is seen to skip functional heads" (p. 157).

am afraid it does not. For no matter if V ski AgrS's base position on its way to Comp or the subject clitic, which Zwart assumes is b This is a plausible position to take. But does it help us accommodate the word-order facts in ( p us accommodate the word-order facts in (4)? afraid it does not. For no matter if V skips is base-

generated as AgrS, will always find itself in Comp. This is a consequence of the application of functional head movement of Agr to C (cf. (5)), which, given its vital role in derivational economy ("fewest steps"), is a prerequisite for head-skipping V-movement to C. Right-adjoining to AgrS in Comp, the finite verb will inevitably end up to the immediate right of the subject clitic, regardless of what happened on the way from V to C.

Now one might suggest that Zwart is wrong in assuming that the verb substitutes for C in topic-initial V2 constructions. With AgrS (containing the subject clitic) right-adjoined to C, this would yield the desired surface output; and V could still check AgrS's V-feature, as required, since it ends up in a sisterhood relationship with C-adjoined AgrS.

This, then, might be a reasonable way out in the case of the subject clitic in (4) (although a nontrivial problem for such an approach would be that substitution of V for C would effectively obliterate the feature content of Comp).

But notice that (4) contains one other clitic—the object clitic 't, which demonstrably does not find itself in C, given that it is linearly separated from the subject clitic by the doubling pronoun zie (which occupies SpecTP; cf. above). This object clitic sits in either AgrO or T, no higher. The finite verb must hence have moved upwards skipping over the object clitic's host (cf. also (2c,d)). Now recall that Zwart assumes that "functional head movement is seen to skip functional heads" (cf. (6); italics added). So in (4) the AgrO-head must also have undergone functional head movement, for otherwise it could not have been skipped by verb move ment. And once AgrO moves to T, the object clitic (which is generated in AgrO) ends up in T, so that V will have to skip this head as well on its way to C. From (6) we then conclude that T must undergo functional head movement to AgrS (which itself undergoes further functional head movement to C). But then the object clitic will irrevocably end up to the left of the doubling pronoun zie in SpecTP. In general, if we take (6) seriously as a prerequisite for the application of head-skipping verb movement and combine it with Zwart's claim that clitics are generated as Agr-heads, the number of clitic positions in main clauses is reduced to precisely one—the highest position in the funcprecisely *one* — tional structure. the highest position in the func-c. Clearly, this is not the desired . Clearly,

Agr-heads. But then V-adjunction to an Agr-node hosting a clitic would result in multiple adjunction of a type that is not obviously allowed (not even What to do at this point? We could stick to (6) and abandon the idea that clitics are generated as functional (Agr) heads, assuming instead that clitics are base-generated in adjunction positions to

> part icular part of the antisymmetry theory continues to be in effect on Zwart's assumptions (the difference between segments and projections that Zwart introduces on pp. 26–27 being inapplicable at the X<sup>0</sup> level, by definition.) As an alternative to the adjunction approach to clitics, we could forfeit the connection between head-skipping verb movement and independent functional head movement, codified in (6). But if we do that it becomes mysterious how the V-features of the skipped in situ. F-heads could ever get checked, and we also essentially lose all (plausible) restrictions on the application of head-skipping verb movement, ending up with much too permissive a theory.
>
> So it seems that the account of clitic placement in the West Flemish paradigm in (2) is seriously threatened by the introduction of head-skiprate from the adjunction complex in the process of functional head movement. But a restrictive theory availing itself of head-skipping head movement should not at the same time allow for excorporation as well. And moreover, the type of excorporation needed in this case (viz. excorporation of the host) would be a theoretical anomaly if, as Kayne (1993, 10) assumes, "a segment cannot be antecedent governed", so that "a head to which a clitic (or other element) has adjoined cannot move up in such a way as to strand the clitic". Though Zwart departs from Kayne's assumptions with under Zwart's 1993:34–35 modification of Kayne' 1993 proposals). Besides, an adjunction approach to clitic placement could get the facts to fall out regard to the direction of head adjunction, this right only if the clitic's host head could excorpo-

ping verb movement and its dependence on functional head movement later in the verb movement chapter. Although the two accounts have a natural relationship, they do not happily coalesce as ingredients of the theory of verb placement in the West-Germanic languages. Presumably, then, one of them should go. Which one? The analysis of clitic placement is instrumental in the argumentation for the head-initiality of the West-Germanic functional domain, and the idea of functional head movement of AgrS to C movement is the central ingredient of the elegant account of the West-Germanic complementizer agreement facts — both seem pretty much in dispensable, then. But the

account of the root/non-root dichotomy in the West-Germanic asymmetric V2 languages built on the idea of AgrS-to-C movement does not accommodate the full array of facts, as I shall discuss in a moment. So perhaps this is a hint that this part of the analysis should come up for revision.

Recall first of all the trigger for overt verb movement to AgrS in C in non-subject-initial V2 constructions of the type in (4): the strength of Comp's N-feature. The idea is (see pp. 282–83 for fuller discussion) that as a result of functional head movement of AgrS to C (cf. (5)), C acquires a V-feature (viz. that of AgrS), and that as a result of acquiring a V-feature, C becomes [-accessible] to C's projection. It thus threatens to remain unchecked against the topic's N-feature, given Zwart's highly attractive assumption that all feature checking obtains under sisterhood — a signiture checking obtains under sisterhood. that C acquired as a consequence of AgrS-to-C movement should be eliminated prior to SPELL-OUT. This is accomplished by overtly raising the verb to AgrS in C. The strength of C's N-feature is thus responsible for overt-syntactic V-fronting to AgrS — a novel concept introduced by Zwart. C being [-accessible], its N-feature cannot be transferred ing domains. In order for overt-syntactic checkin of C's strong N-feature to succeed, the V-feature icant improvement over Chomsky's (1993) check-Ħ - a signif-

an accurate account of V2 in non-subject-initial main clauses in Dutch and its dialects, this theo overgeneralizes in that it wrongly leads one to we now predict that in these languages, constructions in which SpecCP is overtly filled and AgrS-to-C movement obtains must *always* feature overt verb fronting in order to checking prior to SPELL-OUT. While this makes for Since C's N-feature is strong in V2 languages facilitate N-feature , this theory

embedded wh-questions as well: expect overt-syntactic fronting of the finite verb in

(7)
\*Ik vraag me af wanneer /of/dat/ofdat-komt
I wonder when COMP comes

is assumed to be [+accessible] by definition anyway (p. 283; it is only AgrS-to-C raising that could interfere with this), this is a fairly pointless statement, which moreover puts an anticlimactic roof on the admirable edifice that had been constructed in the 100-odd pages leading up to it. illustrates it with the wrong kind of example; see pp. 283-84), and suggests as "a way out" that "functional heads containing a lexical morpheme (such as a complementizer) are [+accessible] by definition" (p. 284). Clearly, though, given that C with a V-feature which would seem to prevent N-feature checking against the *wh*-phrase in Spec-CP in the absence of overt-syntactic V-fronting to C. Zwart notes this problem (although he agreement that initially motivated Zwart AgrS-to-C hypothesis. AgrS thereby prov cisely embedded clauses with complementizer clauses just as in main clauses The reason is that AgrS raises to C in embedded AgrS thereby provides C in fact, , it is pre-

count would essentially be an updated variant of the traditional "generalized V2" approaches, ac-cording to which all root clauses (including the They might then assume that what triggers overt-syntactic V-fronting to C in root clauses is the strength of C's V-feature, and that the fact that no less cumbersome theory of Verb Second (where "less cumbersome" should not of course be taken to mean "simpler, more economical" a priori). ing this property of lexical Cs to the full and saying that this is what "explains" Verb Second in general. That would make for an ostensibly much hypothesized property of lexical complementizers their ability to check C's V-feature. Such an acsubject-initial ones, which also feature overt V-V-fronting obtains in embedded clauses is due to a Sceptics might well capitalize on this, exploit-

frame into which the accounts of clitic and verb placement are cast, though certainly in the spirit of antisymmetric minimalism, vitally deviates from the straight and narrow antisymmetric and minimalist path. While strengthening minimalism by restricting feature-checking configurations to proposal leads to. and exciting consequences that Kayne's original which rightward movement is disallowed, and thereby being robbed of many of the far-reaching which all heads precede their complements and in (i.e. extended Barriers type) tree structure in antisymmetry theory is remodeled beyond recognition, being reduced to a standard minimalist it with no worked-out alternative. And Kayne's domain-extending head movement) and replacing locus of parametric variation in functional heads (viz. the [±accessible] parameter), Zwart substantially weakens the minimalist framework by abandoning Chomsky's theory of *locality* (built around the notions of "shortest move", equidistance and analysis of clitic placement outlined in section 2 of But Zwart's specific account of Verb Second is not entirely satisfactory. Moreover, as noted earlier, the concept of functional head movement around range of data than did the traditional approach (whose countless instantiations, in as many fancy fronting) are analyzed as CPs.

Of course I am not suggesting here that we should follow this route; in fact, I am much more sisterhood and adding a potentially interesting chapter III. And finally, the overall theoretical which it is centered is hard to reconcile with the sympathetic to Zwart's approach to verb placement in asymmetric V2 languages, which manages dichotomy in the domain of overt verb movement) ways, basically stipulated away the root/non-root to devise a non-stipulative analysis of a wider

important step into the right direction, reaching a higher level of descriptive adequacy in some domains than did previous approaches, it will still Zwart's monumental All this amounts to saying that, although case study is decidedly an it will still

> clude that generative grammar has grasped the syntax of Dutch. But that's no news, of course. be quite some time before we can comfortably con-

References den Besten, F Den Besten (1989), Studies in West Germanic transformations and lexical deletive rules. Ms Universiteit van Amsterdam [Published in Besten, H. (1977). On the interaction of root Katholieke Universiteit Brabant

linguistic theory. In The view from Building 20, K. Hale & S.J. Keyser (eds.), 1–52. Cam bridge, Mass.: MIT Press.

Chomsky, N. (1994). Bare phrase structure. MIT Occasional Papers in Linguistics 5.

Gärtner, H.-M. & M. Steinbach (1994). Economy, Verb Second and the SVO-SOV distinction. Syntax. Diss., Katholieke University. Chomsky, N. (1993). A minimalist program for Chomsky. In The view from Building

Working Papers in Scandinavian Syntax 53.

Hoekstra, J. & L. Marácz (1989). On the position of inflection in West Germanic. Working Papers in Scandinavian Syntax 44, 75–88. Kayne, R. (1991). Romance clitics, verb

movement, and PRO. Linguistic Inquiry 22,

Kayne, R. (1993). The antisymmetry of syntax.

guistic Analysis 1, 111–36. Rizzi, L. (1991). Proper head g Ms., CUNY Graduate Center. Koster, J. (1975). Dutch as an SOV language. *Lin* 

definition of A-positions. Paper presented at GLOW Leiden.

Travis, L. (1984). Parameters and effects of word

order variation. Diss., MIT.
Zwart, C.J.W. (1994). The minimalist program and Germanic syntax. A reply to Gärtner and Steinbach. Working Papers in Scandinavian Syntax 54, 1–35.

# A STUDY OF DUTCH WORD STRESS PACSON SION, AND RE

by Dominique Nouveau

Reviewed by

## Summary Paula Fikkert

## by the author

insight into the nature of the components of uni-The aim of this thesis is to enrich our understanding of Dutch word stress, and through that, gain versal theory that deal with stress systems

investigate the relative markedness of Dutch stress patterns. In particular, stress data fron child language are involved. domain at the right edge of words and is distrib-uted there in a quantity-sensitive fashion. Howev-er, the language does tolerate lexical variation, patterns, which has motivated some researchers to state that Dutch has a "mixed" stress system. Dutch may be said to have fairly predictable primary stress, i.e., it occurs within the three-syllable patterns in loan words, neologisms and acronyms In this dissertation, we use nonsense words to the markedness hierarchy found in Dutch: lexical frequencies, stress vacillations, and stress and stress patterns may vary within certain limits. Various sources of empirical evidence have served to draw a growingly accurate description tures of the complicated Dutch word stress system is the notion of the relative markedness of One of the most striking and interesting fea-

Our data are collected by means of a method-ological approach which is similar to the one adopted by Hochberg (1986, 1988) in her study of from three-year-old and four-year-old children, all native speakers of Dutch. A key hypothesis is that there is a close relationship between the ease of adopted by Hochberg (1986, 1988) in her study of Spanish stress acquisition. Productions of familiar production of words and their status (regular, tion of comparatively unmarked patterns children's realizations should move in the direcirregular, or prohibited), and that errors contrasting in (main) stress positions are elicited meaningful words and imitations of novel words

The metrical analyses of Dutch stress developed by Kager (1989) and Trommelen & Zonneveld (1989) provide a hierarchical categori zation of the relative markedness of stress

> into two classes: those that are marked with one single peripheral exception feature (type B) and those that carry two exception features or a non-peripheral exception feature (type C). So, given the fact that the language is trochaic, quantity-sensitive (with "closed" syllables counting as heavy), and has extrametricality of heavy syllasuperheavy (e.g., presidént); B: Pánama ólifant; C: chocolá, Celébes, Prométheus. open (e.g., pyjáma, Aláska); (ante)penultimate stress if the final syllable is closed (e.g., báriton, Gibráltar); final stress if the final syllable is empirical data from child language to evaluate this hierarchical categorization of the relative markedness of stress types. important motivation for carrying out the experitypes. A: penultimate stress if the final syllable bles, we have the following data to match the types. A: penultimeta attractions mental research of this thesis is to collect new ings. Cumulation of idiosyncrasies reflects degrees of markedness. Therefore, irregular patterns fall whereas exceptional cases require lexical markgenerated by a set of metrical parameters. patterns. In these analyses, stress patterns B. Pánama, pelotón, . Regular

insights into the nature of Dutch stress are gained by taking into account the distribution and freand their implications for stress status. types in the child data, the nature of errors made, quency of errors among word categories and stress to regularise the stress pattern. Important parts (type A). The second prediction is that marked stress patterns (types B and C) should cause more difficulty than their regular countererrors in productions usually involve a tendency In our child language data, we test two predic-ns. The first prediction is that words with

of regularity predicted by the metrical theory.
Children find words with irregular and prohibited Children's imitations of nonsense words provide significant support for our hypothesis. The ease of imitation of stimuli follows the hierarchy the analysis of the