Second, consider Adger's own account. His solution is to posit a complex feature structure for Agr given below as (4a), and the parameter in (4b) (my formulation):

<u>4</u> Agr pers A- and F-features in Celtic F-phi-features

Agr in a Spec-Head configuration. As a result of (4b), "the agreeing element and the argument are competing for the same slot in a morphological representation of the functional head Agr" (p. 52). Hence agreement and overt DPs are in comslots analysis that (4) cannot account for (2) either. Hence, if (2) is a counterexample to incorporation, it is also a counterexample to Adger's morphological account. Thus, it does not come as a surprise result as would obtain under an incorporation plementary distribution. This is exactly the same The features in A are matched against those in is reminiscent of matching DP against Spec-Head configuration. As a result of

ceptual reason why the incorporation analysis should not be easily given up. Consider first that the alternative Adger proposes, morphological nism which basically does the same work as Spec–Head agreement. slots in some lexical representation, is a mecha-3.3 All other things being equal, there is a con-

can obviate the addition, then the incorporation option is to be preferred since we know that ment must anyhow be assumed incorporation is anyhow necessary, and moveaddition to the theory of syntax. If incorporation Note now that this type of analysis is an

able to treat features as heads, whenever possible, so that restrictions on heads will apply in full force framework, it seems to me that he might just as well sell all of his soul to the devil, instead of just correct. More generally, it seems to me to be desira part of it. In this respect, then, marriage of minimalist syntax to a HPSG view of agreement seems and a separate theory of features is superfluous. unsuccessful: here the two views cannot both be Finally, as Adger adopts the minimalist

Ļ. Concluding Remarks

done an excellent job by resisting the temptation to merely fill pages. The shortness of this thesis is more than justified by the interest its ideas arouses and the clear style in which the argupages are the rule in the exact sciences, whereas the humanities still seem to need to justify themselves by bulk. (This is not to say that within linguistics short theses are more exact than It is remarkable that this thesis has only 136 pages. Surely, a tendency can be perceived over the years towards shorter theses. This may be out of the Faculty of Letters and into the Faculty of Sciences, in order words, it is becoming an nates.) As to Adger's thesis, I find that he has between the length of a thesis and the longer ones, but there surely is a correlation exact science. After all, short theses of 100-200 taken as an indication that linguistics is moving of the discipline from within which it origimade. "exact-

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MINIMALIST APPROACH ATOZ

by Janne Bondi Johannessen

Jan-WouterZwart Reviewed by

Summary by the author

tively: first kind is what I call unbalanced coordination (UC), while the second one is extraordinary balanced coordination (EBC). They are exemplified in the Norwegian (1) and the English (2), respec ed. However, there are two challenging kinds of coordination which have not been seriously disarchetypical case where two categories of the same syntactic and semantic kind are coordinat-ed. However, there are two challenging kinds of occur in a variety of different languages. They will be presented and accounted for below. The cussed in the past, in spite of the fact that Most theories of coordination can handle the they

(1)
Ska [æ og dæ] g
shall I.NOM and you.ACC g
'Shall you and I go?'

(2)
[Them and us] are going to the game together

structions, one is of the expected kind, and one is deviant. In (1), the conjunction phrase (CoP) is in a subject position, which makes one expect nominative Case. However, only the first conjunct has nominative Case, the other has the deviant accusative Case, i.e., both are deviant. tive would be impossible in subject position. The EBC construction in (2), again a CoP in subject position, is one where both conjuncts have accusative. In a non-coordinated structure, accusabe seen that of the conjuncts in UC con-

dinated constructions are composed of grammatical subcomponents which then undergo some kind of deletion. I propose an analysis in which the conjunction is a head in its phrase. This is in the CoP. between the conjunct in specifier position and the conjunction in head position is of vital impor-tance. This, to my knowledge, is not a topic in other analyses. Consider first the structure of However, ries, and the idea of applying it to coordination has been taken up by other linguistis as well. line with the development of functional categooverall structure, and thus present a symmetric analysis. Furthermore, they often hold that coorthat the conjuncts have the same status in the Analysis

Many theories of coordination take the view in the present analysis, the interplay

tage, since conjuncts often have very few, if any, features in common. E.g., in (4), one conjunct (the AP) has the features [+N,+V], while the other has [-N,-V]. retic relations. The fact that the specifier alone is responsible for the features of the CoP means that there is no need for any unification of feamechanism by which this happens is specifier-head agreement, in accordance with the mini-malist approach which requires local X-bar theo-One conjunct is in the specifier conjunction (X). The other is in the complement position (Y). As can be seen, the CoP itself has the same specifican be seen. ing been suggested in the past. This is an advan tures between the conjuncts, a mechanism havfeatures from the specifier conjunct alone. cation as the specifier conjunct (indicated by X). words, the CoP inherits all its syntactic . The

The piano is [AP] very nice] and [PP] in marvellous condition]

2.1 Unbalanced coordination

features, given to the maximal projection are inherited by the head of that projection, i.e. the conjunction. This, in turn, is in a Spec-head agreement relation with the specifier, which hence inherits the features of the maximal prostays without them or is given some kind of jection. The complement conjunct is not in a gets the syntactic features from the position in which it is situated. The features, here Caseexplanation of the UC phenomenon. Basically, what happens is that it is the CoP as such which default value. position explanation of the UC phenomenon. The structure of CoP gives an immediate where it can receive features.

together grammatical sentences and then deleting the identical material. In other words, (5) possibility of regarding coordination as sticking structions is deviant, it is clear that there is no tence on could never be regarded as an acceptable sen-Since the complement conjunct in UC-con-

(5) #Ska

gå? "uall you.ACC go 'Shall you go?'

in the derivation of the syntactic component ("S structure" as well as "D-structure"). instead that the conjuncts originate as crude syntactic-semantic objects that have been pro-UC-constructions therefore gives us the clue that constraints on coordination must not be given in ble in that coordination can happen at any ponent-sentences. The present theory suggests but raw material for sentences, i.e., a verb and juncts are not originally single words or phrases jected from the lexicon. In other words, the conterms of the acceptability of the individual comits arguments. The minimalist approach is visi-

The components are stuck onto the CoP by a can attach itself to the top of

verb in (6b), there would no longer be identical material to merge, and the resulting structure would be out because of its three roots (those of the two components nine that are in the two components nine that tach itself to the subjects of e.g. (6a,b), which after merging of the identical modal verbs results in (1). If, however, coordinate-alpha attaches itself to the subject of (6a) and the main ture will have more than one root, and be unacceptable from an X-bar theoretic point of view. I.e., it is acceptable for coordinate-alpha to attion which fuses like material and rearranges the CoP to be the daughter of the merged strucresult is clausal conjuncts) or to anywhere further down. In the latter case, a merging operature comes into action. If the material above the attaching points is not identical, the whole struccomponent structures (in which case the In the latter case, a merging opera-

þ. 6

Extraordinary balanced coordination is not uncommon in colloquial speech and child language. Its explanation is very much the same as the one for UC. Like in UC. the conjunct is not in a position where it can communicate with anything else. Furthermore, the specifier is of course in the same position as the specifier of CoPs in UC. However, it does not get

the relevant features. I suggest the reason is that even when the CoP is in a Case position, it is unable to receive Case, and hence to let its head have it and, in turn, its specifier.

There are several reasons for this view. One is that we should expect a CoP to behave differently from other, single phrases, even if the other phrase is e.g. DP and the CoP is a CoP (DP), for the simple reason that they have different heads. Another is that we know from elsewhere that a CoP (Can have a different distribution than a single category X (e.g. Norwegian single category X). pronouns vs. coordinated pronouns in certain contexts). A third reason is that we could then explain why clauses and DPs seem to have overlapping distribution and yet only DPs should be regarded as receiving Case. If we assign the reason for this difference to the fact that only DPs, not CPs, can have Case, then we have estabhaving differently in the same syntactic position. Given this it is reasonable to assume that for some people, and especially for children, a CoP_(X) is simply not the same as the category X. lished the possiblity of different categories be-

Arguments for the CoP analysis

from 33 languages. In at least 26 of them, it turns out that the order between conjunction and deviant conjunct is the same as that between verb and complement in each language (some of the remaining 7 languages are difficult to assess with respect to word order). This is strong evidence for the analysis in which the conjunction is a head of its construction and the deviant conjunct its complement, just as a verb is the head of its construction and the object its complement. Furthermore, it seems that the way the deviant conjunct differs from the normal one can be predicted; Case-wise, it will have the default Case of the language, and tense-aspect-wise, it ralisations have remained hidden. In my thesis, have looked at examples of UC constructions UC and EBC constructions have led to the fact that important cross-linguistic, universal gene-The lack of interest in and knowledge about and EBC constructions have led to the fact

support the suggested analysis, where the plement conjunct is not assigned features there, too, it seems that the way the conjuncts differ is the same as that of the deviant conjunct of UC constructions. Again, these observations have not found many EBC constructions, but will have the most general tense-aspect, if any.

conjunction (as some theories would claim), but is instead simply left unaffected, thereby getting whatever is default in that language.

accounting for ordinary balanced coordination (OBC). It is outside the scope of the present summary to say anything about these points. and about extraction out of CoP have been left out here. The theory obviously also has a way of the conjunction is a head. Furthermore, some important discussions about thematic properties sis. There are of course many more arguments for the analysis, not the least for the claim that There are of course many have presented the main points of my the arguments

2 Review Jan-Wouter Zwart

Kayne's recent work (see Johannessen 1994: 113) testifies to the clear-headedness of J's approach. Janne Bondi Johannessen's thesis *Coordination* is presumably the first thesis to have come out in Europe that is adorned with the subtitle *A mini*developed independently from Chomsky's and malist approach. The fact that this work has

nated structures are analyzed within the boundaries of a highly restrictive theory of phrase structure. In this respect, C is an implementation of a research program initiated by Munn (1987), and subsumed in Kayne (1993). It deviates from earlier approaches in which coordina-tion was analyzed in terms of ternary branching I see it as the most important contribution of the research reported in this thesis, that coordior multi-dimensional representations

The second important contribution of this book is of an empirical nature. Partly through a query on the Linguist List, J has collected an impressive amount of data of coordination in a large variety of languages. As far as I have been able to ascertain, J has carefully analyzed the data, eliminating several cases which on closer scrutiny turned out not to be relevant.

This is not to say that J's analysis of the data is beyond discussion. For instance, she consistently analyzes serial verb constructions as involving coordination rather than subordination (p. 33). I also disagree with the judgment that Dutch ik heb zij die elders wonen voor ogen 'I am referring to they who live elsewhere' is less

grammatical than when this sentence would be the second conjunct of a coordinated construction (p. 10). It is significantly worse however than Ik heb niet alleen de Kroaten voor ogen maar ook zij 'I am not only referring to the Croats but also they (i.e. to them)', which is hopeless. Also, (56b) on p. 100, which should include a conjunction en in front of the second conjunct, must be consideliminated the discrepancies, however. For many languages, cross checking was probably not even a possibility within the limits of the research project leading to this thesis. ered grammatical, rather than marginal. I'm not sure that additional cross checking would have

be of service to linguists of all many years to come. (In this c language that should not remain cast aside. Undoubtedly, this descriptive part by itself will coordination, is a structural phenomenon of oddity of individual languages, the unbalanced convince me that what everyone knows as an In presenting her material, J has managed the useful language ll persuasions for connection, J must to

as part of an argumentation for the conceptual point mentioned earlier, namely that construction structure. tion structures ought to be analyzed in a restric tive theory of phrase structure. Precisely the us most gratifying, material has heen however, is that the

> presents solid proof of the asymmetry within a coordinated structure, makes it hard to settle for less than a two-dimensional, binary branching

leads one to conclude that in unbalanced coordination constructions, only the conjunct closest to the licenser is in construction with the licenser choice of the conjunct carrying the expected morphology: in VO languages, this is the first conjunct, and in OV languages, the second. This marking by a licenser. It is the relation betwee the licenser and the conjuncts that is relevant here. In the normal case, A and B both show t ter case, there turns out to be a correlation between the VO/OV status of the language and the shows the expected morphology (which J calls extraordinary balanced coordination) or the exmorphology that relates them to the licenser. This, J calls *ordinary balanced coordination*. (in a pretheoretical sense). conjuncts (unbalanced coordination). In the lat-Crosslinguistically, more possibilities: either none of the conjuncts more possibilities: either none of the conjuncts Crosslinguistically, however, there turn out to be tion is expressed by morphology, e.g. Casenated structure [A&B] has pected morphology shows up on just one of the the sentence. Assume that this syntactic func-It is the relation between A and B both show the a syntactic function

agreement configurations or head-complement configurations, does not play a role in present day conceptions of licensing relations. Therefore, given the present state of the art, the phenometion of one of the conjuncts in unbalanced coordination, then, must be an effect of adjacency. But adjacency, unless derived from specifier-head ture). It also favors a binary branching analysis over a ternary branching analysis. In a ternary branching analysis, one conjunct is not hierarchically superior to the other. The favored posicoordination favors a two-dimensional analysis over a three-dimensional analysis (unless morphology is considered to be regulated after lyzed in terms of hierarchic, binary branching, two-dimensional structures. linearization of the multi-dimensional strucnon of unbalanced coordination can only be ana-The generalization concerning unbalanced

tion appears to have been introduced in grammatical terminology by Dougherty (1968), as part of an analysis of coordination.)

If [A&B] occupies the specifier position of a Assuming that licensing relations involve specifier-head configurations, and accepting the not at all an unexpected phenomenon. (Percolamain projection line, unbalanced coordination possibility of features percolating up or down the

properly represented as [A[&B]]), we expect A to be licensed by C via Spec-head agreement of A and & and Spec-head agreement of the projection of &, [A&B], and C. Crucially, what we do not expect is for B to be in construction with C in the same way as A is. As J shows, B typically receives default morphology in unbalanced coordiprojection headed by some licenser C, and & is the head, and A the specifier, of [A&B] (more nation constructions.

From the same perspective, extraordinary balanced coordination, in which both A and B show default morphology, can be described if we assume that something goes wrong in this "transitive" licensing process, in which A agrees with C because A agrees with &, the projection of which agrees with C. J (p. 92) assumes that in somehow sounds less plausible to me. Stahlke's (1984: 360) example *Them and us are going to the game together* (quoted on p. 58) shows that enter there is agreement between the coordinated [A&B] is not in construction with a functional construction and the head licensing number type of constructions, [A&B] itself cannot l (or, into the relevant licensing relation, which in minimalist terms, is not involved in N-features). Rather, it seems the case makes it hard to maintain that

structure assumed by J makes it easy to account for what have appeared to be weird phenomena percolation of the relevant features. But these are technicalities. The point remains that the assigned Case, perhaps because of a failure of that the individual members A and B are not for a long time

becomes hard to understand how ordinary balanced coordination (in which both A and B are in construction with C) can be a phenomenon of rephrasing of the phenomenon. A more interesting approach might have capitalized on the possibility of there being actually two conjunctions in a simple coordinated construction, as in (1). coordination is less satisfactory (p. 94f.). Basicallanguage at all. J's account of ordinary balanced be on B as well. This is little more than ly, J considers it to be a lexical feature of the conjunction that the features of A are required to presents her case so convincingly that it

. & [B &]] (order irrelevant)

can then be analyzed as being parasitic on the head-head agreement of the two conjunctions. censer C outside the coordinated construction) Agreement between A and B (and with the li-

tain as many conjunctions as conjuncts. This taken to suggest that coordinations actually conwide-spreadedness of the phenomenon might be multiple coordination is actually obligatory, the Multiple coordination, as in (1), is a familiar phenomenon from languages like Latin and Greek. Although I know of no languages where

shows that the both element in this type of construction has a funny status, as it may be moved away from the A and B part. This, however, does not in principle argue against an analysis in which both originates as a head within the coordinated construction (as is also argued by Kayne 1994). Still, both adds a distributive reading to A and B, which suggests that it should be possibility is not explored in the thesis.

J briefly discusses "discontinuous conjunctions" of the type both A and B (p. 105). She treated separatedly from an ordinary $A\ and\ B$ construction, which might originate as a compment to the distributive head both. a comple-

It would be interesting to study multiple conjunction on a larger scale. If ordinary balanced lead one to believe that the complement of both is in fact something like (1). This predicts that coordination is a matter of concatenation of Spechead agreement and head-head agreement, all world's languages have a distributive reading, not all multiple conjunction structures in the must be regarded as prototypical). This would coordination (and the Latin type coordination coordinated constructions might show multiple

conjunction for each conjunct, no such conclusion is warranted. Consider the following facts from representation of coordination involves multiple dimensions. But if we assume that there is a Grootveld (1993) to conclude that the proper Multiple conjunction phenomena have led

- Ď. en A en B en C kochten een auto and A and B and C bought a car en A en en B en C kochten een auto and A and and B and C bought a car

three cars being sold, in the second case, with two. In other words, B and C form a group in the second reading of (2a), something we wish to represent in the X-bar structure of en A en B en C. which A, B, and C each individually buy a car, and one in which (for instance) B and C together buy a single car. In the first case, we end up with has at least two interpretations: one in

plausible binary branching structure

from the surface ordering of the elements involved, in which the agreement relations would be more properly expressed):

How can we read the different readings of (2a) off of the structure in (3)? &P3 is a complement of &2. The two readings of (2a) can now be formulated as follows: &P3 is transparent in the distributive reading of (2a), in which we end up both with three cars being sold, and &P3 is opaque in the group reading of (2a), leading to only two cars being sold. However, the structure in (3) does not allow us to derive this difference, since the relation between &2 and &P3 is the same in cases.

from A (perhaps indicating that there have been only two buying events), just like in the group reading of (2a). But unlike the group reading of (2a), and like the distributive reading of (2a), we end up with three cars being sold. Let us call the reading of (2b) a "layered distributive" reading. tute a group of which each member individually buys a car. For some reason, which does not concern us here, the group B and C is set apart vides the clue to the solution of this problem. The interpretation of (2b) is that B and C con I believe that the construction in (2b) proconsti-

Structurally, the second *en* conjunction from the left in (2b) takes the group *en B en C* as its complement. There is, then, a one-to-one correspondence between the number of conjuncts and the number of conjunctions. This leads to a structural representation like (4):

In (4), &PI' is the second conjunct of the root coordinated structure, just like &P3 in (3), but &P3 in (3). &P1' itself is a coordinated structure, unlike

If (4) is a correct representation of the group character of (en) B en C in (2b), the group read ng of (2a) should be represented in the same way. This implies that (2a) is actually structurally ambiguous between (3) and (4), the distributive reading corresponding to (3), and the group reading corresponding to (4).

distributive (2b) is not a matter of structure. In both cases (en) B en C is structurally represented as a group. This contrasts the group reading of (2a) and the layered distributive (2b) on the one hand with the distributive reading of (2a) on the other. Consequently, the difference between the tive (2b) must be expressed in terms of the nature of the conjunction & I' (cf. (4)). In the layered distributive (2b), this must be a distributive conjunction, comparable to English both. In the If this is correct, we are led to two conclusions. First, the difference in interpretation between the group reading of (2a) and the layered group reading of (2a) and the layered distribu-

group reading of (2a), & I' must be a non-distributive conjunction, which remains empty in Dutch and English.

empty conjunction is needed to express the non-distributive group interpretation of $B\ en\ C$ in non-distributive conjunction as well. Hence, Aconjunctions like A and B must involve an empty (2a) (i.e., and B, in the non-distributive reading, is more &PI'in (4)), simple non-distributive conclusion is, that since this

conjunctions always equals the number of conjunctions. On this analysis, ordinary balanced coordination can simply be analyzed as involving an additional step, namely head-head agreement between the two conjunctions. properly represented as $\emptyset A$ and B. This supports the idea that the number of

above. order variation. As the structures in (3) and (4) stand, the rightmost conjunct cannot agree with This aspect has been ignored in the discussion the rightmost conjunction, since conjunct and conjuncts to move in order to generate word coordination phrase, allowing conjunctions adoption of functional projections inside the coordination phrase presumably requires the The proper analysis of agreement within the are in a head-complement relation and

constructions is also a topic which J's thesis clearly puts on the research agenda. The generalization that the position of the agreeing conditions of the agreeing conditions. Estonian, German, Homeric Greek, and Vedic, 3 are Germanic OV languages which have recently been reanalyzed as VO languages (Zwart 1992). This clearly strengthens the typological generalizations made in J's book. junct in unbalanced coordination correlates with Ç structure schema looks extremely strong. Of the the position of the head in the general phrase potential counterexamples, Afrikaans, Word order variation within coordinated Dutch,

the left. J crucially relies on the reality of a basic OV/VO distinction in her analysis of unbalanced coordination. Thus, in an OV-language, it is the second conjunct which is in construction with the account for this, J assumes that the relevant languages have a specifier position to the right, occupied by the second conjunct, which then agrees with the outside head, also positioned to ture that heads and specifiers are invariably to dination, in the context of Kayne's (1993) conjecconjuncts is the regular one in unbalanced coortion, and of the variation regarding which of the cussion of the word order variation in coordinalicenser outside the coordinated construction. To It would have been interesting to see a dis-

out, which makes it understandable, though regrettable, that J refrained from tackling the If Kayne is right, the OV order must be derived by movement, and so must the order of the conjuncts within the coordinated construction. It is not immediately clear how this can be worked question $_{
m this}$

me that here J's approach is not as compatible with the approach to phrase structure building in Chomsky (1992) as we are led to believe. question of how coordinate structures come into being (in a phrase structural sense). It seems to phrase structure extends to the rather tricky J's laudable preoccupation with issues of

instance in the complement position of a verb, is a possibility that the structure building procedure does not exclude (contrary to what J suggests on p. 129). The question that arises, however, is whether *all* coordination phenomena can can easily be derived in the bottom-up structure building procedure of Chomsky (1992). Insertion of such a chunk in a larger structure, for buildingprocess be described in terms of this First off, simple coordinations like $A\ and\ B$

argues that coordination always involves or more CPs (see also Van Oirsouw 1987,

nent sentences, those that match are *merged*, and those that do not match are *coordinated* (by a process called *coordinate alpha*). ("Merging" in this sense should not be confused with "merging" in the sense of Chomsky 1994, in which it is used as a different term for "generalized transformahand, assume that matching elements delete. The merging approach and the deletion approach may be viewed as two opposing trends in theorizing about coordination. In opting for merging, J essentially sides with the factorization approach as a different term for "generalized transformation".) Van Oirsouw and Wilder, on the other Wilder 1994). Of the elements of these compoproach of Goodall (1987). of Williams (1978) and the linearization

contain an extensive discussion of the merging approach as compared with the deletion approach (see e.g. p. 113). Merging and coordinate alpha cannot but be viewed as additions to the structure building process of generalized transformation, whereas deletion merely makes expressed. use of zero copies of material elsewhere It is unfortunate that the thesis does not

reason to analyze the conjunction reduction facts studied in Höhle (1983), Zwart (1991), and elsewhere as involving extraction out of the first conjunct (see p. 137). (J's analysis of these constructions on p. 118, illustrating the merge operin the coordinate alpha approach, there is no grounds (p. 133), does not seem to be supported tion from coordinated constructions is constrained on grammatical rather than syntactic There is much more that could be said about this thesis. For example, J's claim that extracunlike categories.) ation, also ignores the possibility of coordinating Since anything can be coordinated with anything by an adequate analysis of the relevant

much of the analysis is wealth of new material nity to think about. In all, however, the exploratory nature of counterbalanced by the for the linguistic commu-

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OMPLEX T ガ m ATES

by Ad Neeleman

Guido Vanden Wyngaerd Reviewed by

Ź. Summary the author

As an alternative to the well-known small clause analysis of Stowell (1981), Hoekstra (1984) and subsequent work, this study reintroduces Chomsky's (1955) complex predicate analysis for Dutch and English verb-particle constructions, verb-resultative constructions and constructions in which verbs like consider take a non-CP complement:

- a. (I)
- 'n

- ċ.
- c, b. 2
- m calls his mother up in calls up his mother in paints the door green hn considers his father intelligent
- Dat Jan zijn moeder op belt
 that John his mother up calls
 Dat Jan de deur groen verft
 that John the door green paints
 Dat Jan zijn vader intelligent vindt
 that John his father intelligent consider

That is, it is argued that the non-verbal predicate in these constructions is base-generated adjoined to the verb, and that the V'-internal DP is in fact the object of this verbal complex, as in (3). This structure immediately derives Dutch surface order, as well as English examples like (2a'), in which the non-verbal predicate shows up adjacent to V.

Direct evidence for structures of the type in (3) comes from cases where the non-verbal predicate remains in situ. In Dutch, verb-predicate combinations behave as a unit for certain processes affecting V⁰-categories. They can be the landing site for P-incorporation, they can undergo verb raising, nominalization, and topicalization, they can be coordinated with a simplex verb, and they form an inseparable unit for scrambling (see also Hoeksema 1991). Below, these arguments are

illustrated for verb-particle constructions:

- £ 9. [t_i t_j] [v (Dit is de telefoon) waar, Jan zijn moeder this is the telefoon that John his mother
- Ġ, Dat Jan [zijn moeder t,] [v wil [v op bellen],] that John his mother wantsup call dat voortdurende opbellen van zijn moeder that constant upcalling of his mother [Op bellen], [0, wil Jan zijn moeder niet t,] up call wants John his mother not Dat Jan zijn moeder vaak [schrijft en that John his mother often writes and
 - Ç
- ۵
- [op belt]]
 up calls
 Dat Jan zijn moeder op (*gisteren) belde
 that John his mother up yesterday called

In English, such direct evidence is harder to find since many non-verbal predicates must be extrap

However, in those cases where extraposition does not occur, the verb-predicate combination behaves as a unit with respect to, amongst other things, pseudopassivization and coordination with simplex verbs: extraposed.

р. _В. <u>О</u>

John; was [[walked out] on] t; by Mary John [[wrote up] and published] his diss

surface order can be argued to be is the result of a short rightward movement of the non-verbal part of the complex predicate; presumably it is adjoined to V': wonder how English word order is derived. In English, the non-verbal predicate usually shows up to the right of the object. Following Chomsky (1955), English Assuming that non-verbal predicates are adjoined to the verb in verb-predicate constructions, one may

plex verb (as a result of the coordinate structure constraint) and the blocking effect predicate movement has on extraction out of the object (as a result on the ban on crossing A'-dependencies). The last two arguments are illustrated by the data in (7). Arguments for rightward predicate movement can be construed on the basis of the distribution of adverbials, the impossibility of rightward predicate movement if the verbal complex is coordinated with a sim-

"John [[wrote t_i] and published] his dissertation up, last year "What; did John look t_i [information about t_j] up,

structure of a complex predicate composed? (B) What triggers predicate movement in English? (C) What is the relation between complex predicate formation and word formation? (C) has already been discussed by Neeleman & Weerman (1992). With respect to the first two questions the following proposals are made. (A) It is argued that the argument structure of complex predicates is the result of \theta-role percolation. That is, both the verb and the non-verbal predicate attribute \theta-roles to the complex predicate: If the complex predicate analysis is correct, three important questions have to be addressed: (A) How are the semantics of verb-predicate constructions derived; or, more precisely, how is the argument

$$(8) \qquad V \theta \theta \dots$$

The composition of a new θ -grid for the complex predicate explains, amongst other things, why the addition of a non-verbal predicate has a transitivizing effect (i.e. intransitive verbs may head transitive VPs in arguably not part of a complex predicate: verb-predicate constructions), while such an edicate constructions), while such an effect is with depictives and other predicates that are

- e (9) Dat Jan *(zich) kapot that John himself broken
- (under a resultative reading)
 Dat Jan (*zich) naakt slaapt
 that John himself nude sleeps
 (under a non-resultative reading)