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### Part Two: Tools

grammar The grammarian's dream: lexis as most delicate

## The lexicogrammatical stratum

its relation to semantics IS unique. tion, by implication, rejects the views that (a) lexis is not form, and (b) that tions of 'turning the whole of linguistic form into grammar'? This formulaquestions: (1) is the project feasible? and (2) what would be the implica-267). This paper briefly explores the reality of that dream by examining two show that lexis can be defined as "most delicate grammar" (Halliday 1961, dream is ... to turn the whole of linguistic form into grammar, hoping to It was over two decades ago that Halliday remarked: 'The grammarian's

Drawing upon Halliday (1977), I shall make the following assump-

(1) Language consists of three strata: semantics, lexicogrammar and pho-

(2) These strata are related by 'realization': meanings are coded as wordings, wordings are coded as sound patterns.

(3) Each stratum is describable as a network of options; the description is fined paradigmatically. therefore paradigmatic, with environments for options also being de-

(4) The semantic stratum is organized into four metafunctional components: experiential, logical, interpersonal and textual

(5) Each metafunction specifies a particular (set of) option network(s) as

(6) Each act of choice - the selection of each option - contributes to the its output at the lexicogrammatical stratum.

(7) A unified structure in its totality is the output of selections from four distinct (sets of) lexicogrammatical networks, specified by the four formation of a structure.

metafunctions.

(8) It is the function of the lexico-grammatical stratum to map these components simultaneously' (Halliday 1977). that represents [the output of (R. H.)] all [meta-functional (R. H.)] structures one on to another so as to form a single integrated structure

then we shall have shown that lexis is delicate grammar description and generation of units of form called "lexical item"?' If so, grammatical network in delicacy so as to turn it into a device for the of feasibility can, then, be paraphrased as: 'Is it possible to extend a lexicoizes grammar, then such system networks ARE the grammar. The question Firth (1951), where the grammar of a language is viewed as a network of structure', and if the description of structure-formation is what characterin favour of one foreshadowed by Saussure (1916), Hjelmslev (1961) and syntagm itself as the starting-point for explaining the syntagm-formation paradigmatic relations. phenomena. The Systemic Functional model has abandoned this approach been concerned with describing the formation of syntagms, using Assumption (6) is immediately relevant. Grammars have traditionally 'systemic options contribute to the formation of

of following these operations. The technical term for such instructions is instruction(s) to operate in a certain way; a specific structure is the outcome between networks and structures. icogrammatical ones, unless otherwise stated.) An option can be viewed as relation. (Henceforth the syntagm - the option network and the structure - are brought into 'realization statement'. So realization statement is a mechanism mediating This argument shifts attention to mechanisms whereby the paradigm and the 'options' and 'networks' referred to are lex-

Six categories of realization statement will be used here

- insert structural function x;
   conflate two/more functions into one element;
   order elements a and b (and...n) vis-à-vis each other;
   subcategorize some function or feature;
   preselect some feature as a concomitant of some
- categorization; pre-select some feature as a concomitant of some insertion/sub-

(6) outclassify some function/feature as incompatible with some insertion/ sub-categorization.

delicate network is an enquiry into what Whorf (1956) called 'reactance' options for the description and generation of enquire and ask might differ in they 'do'. And, since the doing takes cognizance of relations within the language, an option's justification is intra-linguistic. Simplifying greatly, the This view implies that options have consequences: they are justified by what lexicogrammatical patternings of the two lexical verbs. So ultimately, differing physically, psychologically or socially, but from the differential some respects; if so, the justification would not arise from the two activities The network examined here is a minute part of the experiential met-

applicable to [major] clause. Systems concurrent with TRANSITIVITY, e.g. themselves.) Figure 4.1 places TRANSITIVITY in relation to other systems (1985); features are shown in square brackets except in the networks [major] clause. (The technical terms in what follows are used as in Halliday

afunction's output, known as TRANSITIVITY, whose entry

condition is

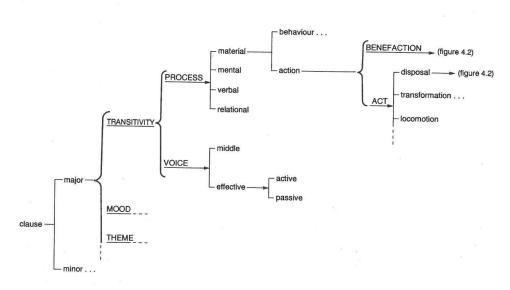


Figure 4.1 The entry condition for transitivity

MOOD, THEME, etc. will be ignored. Within TRANSITIVITY itself, VOICE options will be constantly assumed as [effective: active]; The portion of the network discussed belongs to PROCESS, and it has [disposal] as its entry condition. It is part of the lexicogrammar which constructs the semantic area that can be informally described as 'activities whose completion results in gain/loss of access to things'.

# 2. The lexicogrammar of acquisition: gather, collect, accumulate

[disposal] entails the options [material:action], which are built into its history, with the implication that the contribution they have made to the formation of the structure remains a constant wherever [disposal] itself is selected. No part of this contribution can be negated by any instruction attached to [disposal] or options dependent upon it. This principle operates across the system, irrespective of the degree of delicacy. Part of the contribution made by [effective:active] voice in conjunction with [material:action] PROCESS is:

- 1. The functions Process, Medium and Agent are inserted
- Process pre-selects Event
- Medium and Agent each pre-select Thing
- . Event is subcategorized as /material action/

structure(s) known as 'lexical item(s)'. The uniqueness of each lexical item - i.e. path specification - will, among other things, specify some formal be postulated, this is the logical endpoint; and the total selection expression ance) (Brachman 1979; Collins and Quillian 1972) and 'conceptual de-By virtue of having to follow a particular systemic path, the selection of for example, give, share, collect, lose, etc. and work toward their uniqueness. is widely recognized (Berry 1977; Fawcett 1980; Fillmore 1977; Leech 1974; tures. When the network reaches a point where further uniqueness cannot network specifies both identity and uniqueness between classes of struc-[2], and (e, f) of [3], then the PI for [2] and [3] is (a, b); for [4] and [5], (a, b, c, d), and for [6] and [7] it is (a, b, e, f). Each progressive step in the through 7 as in Figure 4.1a. If (a, b) are the contribution of [1], (c, d) of rigorously defined. To see how PI works, imagine a network with options 1 pendency' (Schank 1972; 1975; Schank and Abelson 1977) in the AI literature. PI differs from both, in that it is not item-centred and is more Lyons 1977). In this chapter I begin by concentrating on the identities of 'systematic path inheritance', to keep it distinct from SI (semantic inherit-[disposal] inherits the bundle specified in A1-4. This I shall call PI, for The realization statements attached to [disposal] are:

 subcategorize Event as / (material action) of disposal involving change in location of Medium/

subcategorize Medium Thing as /alienable object/

10

Figure 4.1a A simple system network

subcategorize Agent Thing as /human, person(s) institutions/

or

For lack of precise formal information, subcategorization is expressed informally. It should not be confused with Chomsky's selection restriction rules (1965): the latter operate on items; possess directionality, e.g., assign 'features of the Subject and Object to the Verb'; (1965, 92); and their non-observance leads to linguistic malaise. None of these is necessarily true of subcategorization. However, if B1-2 are not followed, the semantics of the resultant clause would be distinct from that of a clause whose underlying selection expression contains [disposal]. Consider:

- (1a) Susan collected a lot of leaves.
- (1b) The roof collected a lot of leaves
- (1c) She collected her thoughts.

contains a grammatical metaphor (Halliday 1985), whose congruent pair which normally requires a concrete noun as Medium. But this Medium-like objectifying device is to use an abstract noun as the Medium of a Process, something itself not an object is treated as such. In English, a standard would be A lot of leaves collected on the roof. The non-following of B3 will not not human. Note that the roof is no longer 'doer', but 'location'. (1b) deal of kudos from that.) This discussion, incidentally, justifies the validity of heuristic tests applicable to that function. (Consider What is she doing to her thing, e.g. her thoughts in (1c), is not the Medium, as it would fail most of the always produce the semantic value of 'location' for the Agent (compare (1a) is in keeping with B1-3; most speakers will 'read' it as Susan gaining bear little or no resemblance to collect in (1c). (Consider She collected a good thoughts must be seen as a unit, since in another such occurrence collect may instance of a complex metaphor, where the entire expression collect + ... thoughts? - Collecting them and It is your thoughts you need to collect.) (1c) is an The clause is a good example of Whorf's 'objectification' (1956), where followed: the Medium is not an object, but rather a concept/abstraction. trash); it will, however, produce a metaphorical effect. In (1c), B2 is not These pipes distribute steam into the system or Her room carries the most amazing the leaves are 'done-to'. In (1b), instruction B3 is not followed; the Agent is access to a lot of leaves when the collecting is done; Susan is the 'doer', and

in Figure 4.2; while the systems of ACCESS and CHARACTER are directly to [disposal] can be seen at one glance. The selection of [disposal] will dependence of [disposal] on [action] dependent on [disposal], that of BENEFACTION is entailed by virtue of the demand the selection of one path from each of the three systems developed developed in Figure 4.2 below, where the systems dependent on [disposal] are also presented. This device will ensure that all systemic options relevant The system of BENEFACTION applies concurrently with that of ACT and

unless otherwise indicated. [deprivation] implies the reverse - the Agent instructions for these options are: loses access to the Medium. Indicating PI within brackets as before, the tion of [acquisition] implies the Agent's gain of access to the Medium, ACCESS options are concerned with the result of the activity. The selec-

[acquisition]

Ü

subcategorize Event as /(material action of disposal involving change in location of Medium) leading to involving change in location of Medium) leading subcategorize Event as /(material action of disposal [deprivation] Agent's gain of access to Medium/

implies an activity that is not inherently repetitive. The instructions are: Agent-Medium configuration inherently remains identical; [non-iterative] CHARACTER options are concerned with the nature of the activity. The selection of [iterative] implies an inherently repetitive activity, in which the

Agent's loss of access to Medium/

6

visible. subcategorize Medium Thing as / (alienable object) di involving change in location of Medium) inherently

subcategorize Event as /(material action of disposal

D:

[iterative]

subcategorize Event as /(material action of disposal involving change in location) NOT inherently repetitive/ [non-iterative]

activity. [beneficile] implies that the activity is capable of permitting the indication of some benefiting party, [non-beneficile] implies that the activity is not capable of permitting such indication. On [beneficile] de-MAY be specified: the resource is there; it may or may not be taken up benefiting party MUST be specified; [potential] that the benefiting party pend the options [inherent] or [potential]. [inherent] implies that the BENEFACTION options are concerned with specifying the benefit of the

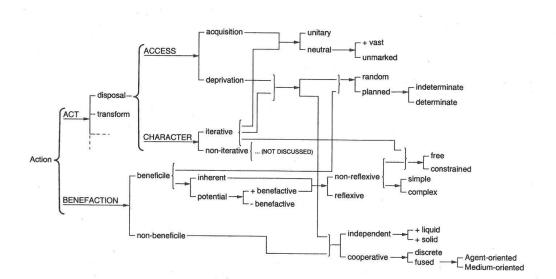


Figure 4.2 The process type [disposal:iterative]

selection of the latter permits the selection between [simple] and [compresented so far: later. Here I provide the instructions attached to the BENEFACTION options The remaining two options - [free] and [constrained] - will be discussed specified; [complex], that two discrete benefiting parties are to be specified benefiting party. [simple] implies that only one benefiting party is to be plex] - both being concerned with providing further details about the are one and the same; [non-reflexive], that they are not the same. The reflexive] operates. It is concerned with the specification of the benefiting benefiting party is specified - as entailed by the selection of either [inhas been passed up, and so no benefiting party is to be specified. When the benefiting party is to be specified. [ - benefactive] implies that the resource party's identity. [reflexive] implies that the Agent and the benefiting party herent] or [+benefactive] - the option between [reflexive] and [non-[+benefactive] implies that the resource is to be positively deployed, and a

## [non-beneficial]

- subcategorize Event as / (material action) INCAPABLE; of requiring function Benefiter/
- outclassify function Benefiter beneficile

subcategorize Event as /(material action) CAPABLE of

requiring function Benefiter(s)/

- subcategorize Benefiter-1 as Recipient insert function Benefiter-1 inherent.
- Q subcategorize Event as / (material action) NECESSARILY mate requiring Benefiter/

Benefiter pre-selects nominal group with Thing ani-

- SARILY requiring Benefiter, subcategorize Event as / (material action) NOT NECES-[potential
- subcategorize Event as /(material action) requiring [+benefactive] Benefiter,
- insert function Benefiter-1
- subcategorize Benefiter-1 as Client
- Benefiter pre-selects nominal group with Thing ani-
- benefactive

6.

7

- subcategorize Events as / (material action) not needing Benefiter,
- Benefiter pre-selects (nominal group with Thing animate) and co-referential with Agent reflexive

00 [non-reflexive]

- Benefiter pre-selects (nominal group with Thing animate NOT co-referential with Agent)
- 9.
- outclassify Benefiter-2
- [complex]

insert Benefiter-2

10.

- mate NOT co-referential with Agent) Benefiter-2 pre-selects (nominal group with Thing ani-
- Ultirate Client pre-selects prepositional group with subcategorize Benefiter-2 as Ultimate Client
- Complement conflate functions Ultimate Client and Prepositional prepasition for
- order Prepositional Complement to follow for

could be said to benefit from his driving. So it is important to point out that here the meaning of Agent'Process' Medium is not the same as Agent'Probenefiting party is co-referential with the Agent (see E7a above). But even limiting case of the Benefiter is with the option [reflexive], where the recognized only if there is a dissociation between it and the Agent. The not only is the function Benefiter at the 'receiving end', but also it is everyday sense of the word as shown by Jocasta gave Claudius a dose of poison. The notion 'benefiting party' or Benefiter is not self-evident. As Halliday (1985, 135) points out, the Benefiter does not necessarily benefit in the cess^Benefiter^Medium. Consider: Again, in John drove to the office, from a common-sense point of view, John

- Susan bought a dress (Agent^Process^Medium)
- (2a) (2b) Susan bought herself a dress (Agent^Process^Benefiter^Medium)

not be the case; with (2b) this indeterminacy does not exist. Compare: Susan buying the dress for herself, the possibility is always open that this may Although in the absence of Good Reason, (2a) would be interpreted as

- (3) Susan couldn't find a better present for Pam
- (a) So she bought a dress.(b) So she bought herself a dress.

remain odd unless further appropriate speech work is done. The impossibility of conflating the Agent and Benefiter roles is important, as we dress as a present for Pam'. (3b) does not permit this reading and will buying it for herself, so (3a) in this context can be 'read' as 'she bought a Because Susan's buying a dress does not have to be interpreted as Susan ficile:potential:+benefactive] are also important. Consider: shall see later. The differences between [beneficile:inherent] and [bene-

5 I gave John a book. [beneficile:inherent]

I bought John a book. [beneficile:potential:+benefactive]

vs. implicit); I bought a book does not. This aspect of the meaning of buy is mitted. I gave a book implies an implicit Benefiter (Hasan 1984, for implied NECESSARILY requiring Benefiter/) -eds]; in (5) Benefiter is simply per-In (4), the function Benefiter is entailed (E3a and d, [i.e. E3 [inherent]: a tains both the option [non-iterative] and [simple], then under certain for the latter (i.e. [+benefactor]), Client. If the selection expression conserted in response to [inherent] (E3b) and [+benefactive] (E5c) respecare [beneficile:potential]. Note the difference in the Benefiter roles incaptured by assuming that the BENEFACTION options underlying this item insert function Benefiter-1; d. subcategorize Event as / (material action) as its Complement. The result in the case of (4) and (5) would be: and, in the latter (i.e. [+benefactor]), for, with the Benefiter nominal group which in the former case (i.e. [inherent]) will pre-select the preposition to specifiable conditions, the Recipient and Client-roles can be mapped on to Benefiter role for the former (i.e. [inherent]) is more specifically Recipient, Benefiter-1 as Client -eds]. When combined with the option [simple], the tively [i.e. E3b. subcategorize Benefiter-1 as Recipient; E5c. subcategorize Circumstance. If so, Circumstance will pre-select a prepositional group,

- I gave a book to John. [non-iterative; . . . :inherent:simple . . . ]
- I bought a book for John. [non-iterative; . . . :+benefactive:simple

group as Complement. (4) and (5) would then be: The difference between [inherent] and [+benefactive] is displayed even more sharply if, instead of [simple], the option [complex] is selected. This select a prepositional group, initiated by for, with the Benefiter nominal option inserts the function Ultimate Client (E10c), which can only pre-

I bought John a book for Iona. [non-iterative; ... +benefactive: complex I gave John a book for Iona. [non-iterative; ... inherent:complex]

Again, under certain specifiable conditions (4b) - but not (5b) - can take the following forms:

- (4c) (4d)
- I gave a book to John for Iona. I gave a book for Iona to John.

Parallel to the above we do not have:

- bought a book to/for John for Iona.
- I bought a book for Iona to/for John

# LEXIS AS MOST DELICATE GRAMMAR

(with Recipient implied and implicit), (5e) can only be read as [simple]: A related observation is that while underlying (4e) would be [complex

- (4e) (5e) I gave a book for Iona.
- I bought a book for Iona.

and Client: both are a means whereby the Medium is passed to the Client. inserted, this creates a point of identity in the semantic value of Recipient and Ultimate Client appears motivated. Note that when Ultimate Client is second, the semantic value of an option - the meanings that it constructs this much will suffice for the discussion of the [iterative] processes, which is Many interesting questions arising from these details must be shelved, as The distinction between Recipient and Client as well as that between Client depends on the environment of that option. function inserted by two distinct options - e.g. Benefiter-1 inserted by the main focus here. But two generalizations appear appropriate: first, a [inherent] or by [+benefactive] - is not identical in ALL respects; and

[unitary] and [neutral]. The combined PI of [iterative; acquisition] is the conjunction of C1 and D1a-b. The instructions for the [unitary] and [iterative] and [acquisition] is the entry condition for choice between [neutral] options are: Returning to systems of ACCESS and CHARACTER, the combination of

unitary

H

- Medium pre-selects nominal group with Thing/ (alienable, divisible) and plural/
- Medium pre-selects nominal group with Thing/ (alienable, divisible) and plural OR non-count/

Ignoring BENEFACTION, the selection expressions of PROCESS up to this point are:

- [material:action:disposal:acquisition;iterative:neutral] [material:action:disposal:acquisition;iterative:unitary]
- gather. The formulation of the realization statement (C1;D1a-b;F1a), while any unit of form that may be a recognizable lexical item? I claim that the English the only linguistic form that can meet all these requirements is Medium, and is such that the Medium is constrained to be 'plural'. In Medium, is inherently repetitive, leads to the Agent's gain of access to the refer to an activity which is concrete, involves change in the location of the linguistic unit capable of realizing the Event in selection expression (i) must Note that [unitary] is the endpoint of one path in Figure 4.2. Does it specify permitting (6c), throws light on the source of the oddity of (6a-b)
- Leonie gathered the water/meat in the bowl
- Leonie gathered one book from her shelf.

(6c) Leonie gathered some roses from the garden

[Realization statements C1;D1a-b;F1a are repeated below -eds]

T jui D1. [unitary] [iterative] [acquisition] subcategorize Event as / (material action Medium pre-selects nominal group with subcategorize Medium) inherently repetitive/ of disposal involving change in location of subcategorize Event as / (material action to Medium/ Thing/ (alienable, divisible) and plural/) Medium) leading to Agent's gain of access of disposal involving change in location of /(alienable object) divisible Medium Thing

requirements: collect and accumulate. altogether, in English there appear to be only two lexical items suiting these less, taking the selection expression as it stands, it can be said confidently least in one respect: it should be capable of 'taking' a Medium in which the that a form capable of functioning as Event here must differ from gather at Selection expression (ii) does not represent the endpoint of a path; de-Thing may be either [plural] or [non-count]. Ignoring the archaic amass pendent upon [neutral] are the options [+vast] and [unmarked]. Neverthe-

group with Thing/ (alienable, divisible) and plural OR non-count/ -eds) can deposit one book or collect it from the library, but you cannot scatter/ the latter collect is [iterative] and thus subject to the requirement D1b. You an antonym of deposit, and collect-2, which is an antonym of scatter/strew. Only expression for two distinct - even if related - lexical items: collect-1, which is the following are perfectly ordinary English clauses: unremarkable). Given F2, [i.e. [neutral] Medium pre-selects nominal from the school, which is odd, with I collected Iona some flowers, which is quite be [non-beneficile]; this is not true of *collect-*2 (compare *I collected Iona her son* strew one book or collect it in the sense of collect-2. Again, collect-1 appears to I believe we need to recognize that the orthographic word collect is the

- (7a) (7b) Susan collected the water in the bowl
- Susan collected some leaves from the garden

But what about accumulate? It is at this point that the final option between [+vast] and [unmarked] is needed. Compare:

- Susan collected some solution.
- Susan accumulated some solution.
- Susan accumulated gallons of solution.
- (8a) (8b) (9a) (9c) Leonie collected two dollars.
  - Leonic accumulated two dollars.
- Leonie accumulated thousands of dollars

as in this case. The instructions for [+vast] and [unmarked] are: of grammar; a delicate grammar can point to the source of stylistic infelicity, Of these triplets, only the member (b) appears odd, and traditionally it would be described as 'stylistically infelicitous'. But style is not independent

LEXIS AS MOST DELICATE GRAMMAR

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Medium pre-selects nominal group with Thing ILY indicating high degree of extent/ /(alienable, divisible, plural or non-count) NECESSAR-

[unmarked]

Medium pre-selects nominal group with Thing/ (aliengree of vastness/ able, divisible, plural or non-count) indicating any de-

These instructions provide a basis for explaining why, side by side with (8a) (8c) and (ga), (gc), we may also have:

- Susan collected gallons of the solution.
- Leonie collected thousands of dollars

unmarked] (see F2a/G2a [i.e. F2 [neutral] a. Medium pre-selects nominal so far, collect is the most 'versatile', by virtue of the options [neutral: cesses, collect would be the most frequently used and accumulate the least. above eds]). I would suggest that of the three [acquisition; iterative] group with Thing/ (alienable, divisible) and plural OR non-count/; G2a infelicitous. Note also that of the three lexical items yielded by the networl and why of (8a-d) and (9a-d) only the (b) member appears stylistically grammar can point to a non-random relationship between the frequency of his hypothesis is empirically substantiated, this would imply that a delicate particular linguistic unit and its selection expression. pro

estingly, [acquisition] combines most frequently with [beneficile:potenalthough the unique identity of three lexical items has been already estabof access to the Medium is some Benefiter's gain of access to that Medium combination of [deprivation] and [beneficile] implies that the Agent's loss tial], though some exceptions can be found, e.g. snatch, grab or inherit. The access to the Medium can be passed over to some Benefiter(s). Internation of [acquisition] and [beneficile] implies that the Agent's gain of [disposal] Benefaction options carry implications for access. The combilished, more can and must be said about them. In the environment of though, again, exceptions can be found, e.g. scatter or throw. [non-beneficile]; it is rare for it to combine with [beneficile:potential], [deprivation] combines readily either with [beneficile:inherent] or with [disposal] options are concurrent with the BENEFACTION ones. Thus

expressed as gather, collect or accumulate as shown above, we may claim that the conjunction of options [acquisition;iterative] carries an instruction: [acquisition;iterative] lead to the selection of Event which can only be Assuming that the systemic paths originating at the conjunction of

[acquisition;iterative]

Process pre-selects options [beneficile:potential]

examples of these lexical items above, the BENEFACTION selection has been capable of 'taking' the function Benefiter; and this is indeed the case. In the tential]. If selection expression contains [acquisition; iterative], but not [beneficile:po-This is tantamount to claiming that there is no process in English whose between accumulate and the other two lexical items come to light. Con-+benefactive] is also possible. But at this point some delicate distinctions [beneficile:potential:—benefactive]; but the selection [beneficile:potential: this is true, then gather, collect and accumulate should each be

- (10a) gathered Jenny some flowers.
- (10b) gathered some flowers for Jenny
- (11a) collected the kids some water in the bowl
- (11b) I collected some water in the bowl for the kids
- (12a)Leonie accumulated great wealth for John. ? Leonie accumulated John great wealth.

where the prepositional group takes the form for +Benefiter. Against this preting this difference: First, underlying accumulate is the option [nonsolution, I would draw attention to (4e)-(5e), [i.e. (4e) I gave a book for Iona this Benefiter function is always realized only prepositionally (see E10c-d) (12b) has a radically different function from for Jenny (10b) and for the kids beneficile] instead of [beneficile:potential]. If so, we imply that for John 'take a direct beneficiary'. There are at least three possible ways of inter-To use traditional terminology, of the three items, accumulate alone cannot Ultimate Client is a more specific label for Benefiter-2. Unlike gather and (5e) I bought a book for Iona -eds] and the fact that according to E10c. (11b), but this is dubious. Second, for John is the Ultimate Client because

collect, accumulate cannot take a Benefiter-2:

- I gathered Jenny some flowers for her mother.
  I collected the kids some water in a bowl for their dog.
- ? Leonie accumulated John great wealth for his children

Client is systemically 'present' as in (4b) and (5b) [i.e. (4b) I gave John a book for Iona. (5b) I bought John a book for Iona. eds]. Third, in the final inter-TION, to which (12) is not susceptible. If the option [beneficile:potential generalization that this function is inserted only if the function Recipient/ +benefactive] combines with [(acquisition; iterative): neutral: +vast], then pretation, for John (12b) is a Client, implying that its function is similar to for however, to (10) and (11) apply certain systemic options from INFORMA-Tenny (10b) or for the kids (11b). Each has the role Benefiter-1 (= Client); To treat for John as an Ultimate Client in (12b) would contradict the

# LEXIS AS MOST DELICATE GRAMMAR

acceptable, largely because cases comparable to (12b) will be found at least in the environment of the option [iterative]. But not in (10) or (11). In this respect, then, for John (12b) differs from for Benefiter; it is constrained to take a Benefactive Circumstance, as in (12b) Jenny (10b) and for the kids (11b). I take the last solution as the most

to any clause whose selection expression contains both [iterative] and [  $\dots$ non-reflexive]. The terms are [free] and [constrained]. The instructions for the option [simple] vs. [complex], another systematic choice operates open [constrained] are: This insight is built into the network by indicating that, concurrent with

## constrained

- Client pre-selects prepositional group with preposition
- b. Recipient pre-selects prepositional group with preposi tion to/between/amongst
- conflate Benefiter-1 with Prepositional Complement
- d.C order Prepositional Complement to follow preposition

aspects of the option are (a) that Client/Recipient are constrained as tive of whether it combines with [simple] or [complex]. The two important is common also to clauses whose selection expression contains [potential: tions do not apply to it. In passing, note that characteristic (b), but not (a) specified above (H1a-d), and (b) that certain specific information op-Option [constrained], then, acts upon function Benefiter-1 alone, irrespecreflexive:complex:free], is exemplified by (5b), (10c) and (11c): similarity between the [constrained] and [potential:+benefactive:nonthey would not be said to contain option [constrained]. +benefactive:non-reflexive:complex]; but if characteristic (a) is lacking The point of

- I bought John a book for Iona
- (10C)
- I gathered Jenny some flowers for her mother.
  I collected the kids some water in a bowl for their dog.

or accumulate. Common to each member of the array are the following expressions will require that the Event be expressed either by gather or collect selection of some specific information option(s). and can be indicated by a realization statement which would demand pre-To summarize the discussion so far, the following array of selection

[material:action:disposal:acquisition;iterative;beneficile:potential]

array below: These options are not repeated but assumed present in each member of the

[: UNITARY;-BENEFACTIVE]

EVENT = gathere.g.

: unitary; +benefactive: non-reflexive: simple; free] (6c) Leonie gathered some roses from the garden

Event = gathere.g.

II:

(10b) I gathered some flowers for Jenny. (10a) I gathered Jenny some flowers.

Event = gathere.g.: unitary; +benefactive: non-reflexive: complex; free]

H:

(10c) I gathered Jenny some flowers for her mother

: neutral: +vast; - benefactive]

.V.

Event = accumulate e.g.(8c) Susan accumulated gallons of solution.

(9c) Leonie accumulated thousands of dollars.

. Event = accumulate e.g.: neutral: +vast; +benefactive: non-reflexive: simple; constrained]

(12b) Leonie accumulated great wealth for John. neutral: unmarked; -benefactive

Event = collect e.g.

VI:

(7a) Susan collected the water in the bowl

(7b) Susan collected some leaves from the garden.

VII: Event = collect e.g. (11a) I collected the kids some water in the bowl : neutral: unmarked; +benefactive: non-reflexive: simple; free]

VIII: [: neutral: unmarked; +benefactive: non-reflexive: complex; free] (11b) I collected some water in the bowl for the kids

(11c) I collected the kids some water in a bowl for their dog.

# The lexicogrammar of deprivation 1: scatter, divide, distribute

choice between [random] vs. [planned]. The former implies that there is D1ab, E2a; and the instructions attached to them are: less equitable design. Note the PI for these options is a combination of C2, implies an activity in which the disposition of the Medium follows a more or no particular design to the disposition of the Medium, while the latter or not but also whether they are [beneficile] or not. When [deprivation; various [deprivation] processes lies not only in whether they are [iterative] from the very start. This implies that the basis of distinction between the and [iterative], the BENEFACTION options have to be taken into account Turning now to the options permitted by the combination of [deprivation] iterative; beneficile] combine, this presents a complex entry condition for a

### random

- co-select option [potential]
- 5 2 sub-categorize Medium Thing as / (alienable, divisible) plural or non-count, solid/

# LEXIS AS MOST DELICATE GRAMMAR

co-select option [inherent]

subcategorize Benefiter-1 as / (animate) non-singular/

As [random] represents the endpoint of one systemic path, the selection

expression containing the option can be stated as follows:

(iii) [material:action:disposal:deprivation;iterative;beneficile:potential]

clauses of English; (13c) is not: strewed the pigeons some breadcrumbs). Given J1 a-b, (13a-b) are normal function Benefiter. With strew this possibility is not open (consider: she ficile: potential], for this implies that a clause of this kind can 'take' the resembles it in certain respects, it will not suit the requirements of [beneclause with the above selection expression is scatter. Although the item strew In English, the only lexical item capable of functioning as the Event in a

she scattered her clothes all over the place

(13a)

- (13b)she scattered the toys on the floor.
- (13c)she scattered juice on the table.

mer option, while underlying (14) is the option [+benefactive]: factive] and [+benefactive] applies. (13a-b) present examples of the for-Given the presence of [potential] in (iii), the option between [-bene-

(14) she scattered the pigeons some breadcrumbs.

(15): there is a very strong probability of it being non-human. Compare (14) with selected by the Benefiter: not only does the Thing have to be animate, but combine, this seems to bear a consequence for the nominal group prefound them a sixpence. When the options [random] and [+benefactive] compare she broke a stick vs. she broke them a stick and she found a sixpence vs. she may not be just an accidental feature of this particular lexical item; so creates an impression of intentionality, which is absent from (13a-b). This The selection of [+benefactive] has a somewhat interesting by-product: it

- (15) she scattered the children some bread
- probability of the selection of [simple] is much higher than that of [comstepmother in a fairy-tale. Again, [+benefactive: non-reflexive] allows either (15) conjures up a picture of a nasty female - perhaps the traditional plex]. We would rarely find clauses such as (16): the selection of [simple] or of [complex], though with [random] the
- (16) She scattered the pigeons breadcrumbs for their chicks

odd, unlike (13c). So while (13c) would be attributed to a mistake, (15) will Although (15) and (16) may be less frequent than (13a) or (14), neither is

expressed as scatter are now described. can be stated without adding any more options to the network in Figure 4.2. selection of the Ultimate Client (which is inserted in response to [complex]; the selection of the option [+benefactive] raises the possibility of the Agent that the Medium is being disposed of without any particular design, whereas be seen as playing upon that part of the meaning of scatter, constructed by [random], while the rarity of (16) might arise from a combination of The array of selection expressions which would require that the Event be the Medium. So it would appear that all these important facts about scatter see E10a-f) goes against the lack of a particular design for the disposal of having a particular design for the disposal of the Medium. Specifically, the [random] and [+benefactive: non-reflexive: complex]. The former implies

will be assumed present in IX-XI: Common to each member of the array are the following options, which

[material: action: disposal: deprivation; iterative; beneficile: potential]

(13a) she scattered her clothes all over the place. Event = scatter e.g. (13a, 13b)[: random; - benefactive]

X:

× Event = scatter e.g. (16) [: random; +benefactive: non-reflexive: complex: free] (13b) she scattered the toys on the floor.

X (16) She scattered the pigeons breadcrumbs for their chicks. [: random; +benefactive: non-reflexive: simple: free]

(14) she scattered the pigeons some breadcrumbs Event = scatter e.g.

group would take the form for +Benefiter-1 nominal group. The proportion certain options from the INFORMATION system, the function Client would be have implied that if option [free] is present, then with the selection of between (14) and (14a) is the same as that between (10a) and (10b): realized as a Benefactive Circumstance. More specifically, the prepositional There may be one problem with the description of scatter presented here. I

she scattered some breadcrumbs for the pigeons.

But is (14b) also an equally normal clause?

She scattered some breadcrumbs to the pigeons.

is allowed to occur only if the Benefiter-1 role is subcategorized as Recipiselected (see, e.g. 4b-4e [repeated below-eds]: ent; and I have argued that this role only occurs if the option [inherent] is If so, then scatter would appear to allow a Benefactive Circumstance, which

I gave John a book for Iona

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I gave a book to John for Iona gave a book for Iona to John.

(4c) (4d) (4e) I gave a book for Iona.

leave the discussion of scatter with this query. perfectly normal clause, I am not certain about the status of (14b). So I shall and the network is misleading. However, while I am certain that (14a) is a tion Jia is incorrect [i.e. Ji [random]: a. co-select option [potential] [-eds]; If scatter is neutral as between taking Recipient or Client, then the instruc

nate]. The instructions are as follows: [planned] permits a choice between [indeterminate] and [determi

subcategorize Medium Thing as / (alienable, divisible)

co-select options [inherent] and [constrained] singular, plural or non-count/

subcategorize Medium Thing as / (alienable, divisible) plural or non-count (i.e. outclassify singular)

co-select options [inherent] and [free]

explicitly allow for the following: noun as Thing in the Medium; the activity must imply a Recipient (as for only with divide-2 here. Together with the PI of [indeterminate] K1a-b its closest antonym is the iterative collect, and possibly hoard. I am concerned closest in meaning to divide-2 is the item distribute, or the archaic apportion; requirements is divide. Like collect, divide expresses two distinct lexical items: item capable of acting as the Event can take a singular/plural/non-count between/among. The only lexical item in English capable of meeting these give, cf. e.g. (4a-4e)); and the Recipient can only take the form of a The implication is that if the option [indeterminate] is selected, then any divide -1 which is roughly synonymous with cut, and is an antonym of join; the Benefactive Circumstance, where the prepositional group begins with to/

- (17a)she divided the apple between John and Jenny.
- (17b)she divided the sweets amongst the children.
- (17c)the Head of School divided the money between the two research directors for their assistants.

Note how (17a) differs from (18a-b):

- (18a)she divided John and Jenny an apple
- (481)she divided an apple for John and Jenny.

also possible to say (18c) without implying a Benefiter role: transformation. This divide does not have [inherent] BENEFACTION; so it is The divide in (18a-b) is divide-1, not a material action of disposal but of

segmenting given strings, and reordering and labelling the products of the clearly that it is more important to devise ways of making explicit 'reactances' between units of linguistic form than to concentrate on ways of some linguistic form. The description of divide as of collect perhaps shows that we can show which grammatical patterns determine what reference for occur.' (Whorf 1956, 258-9). It is only by constructing delicate grammars the mercy of the sentences and the grammatical patterns in which they that any word has an "exact meaning" ... the reference of the words is at How right Whorf was in maintaining that 'we are all mistaken in our belief

[(17a) she divided the apple between John and Jenny-eds] and (18d-e): Benefiter must have the feature plural. Note the difference between (17a) other consequence, captured in J2b: the nominal group pre-selected by the The combination of [deprivation;iterative;beneficile:inherent] has an-

- she divided John an apple.
- she divided an apple for John.

example, [she divided the sweets amongst the children -eds] creates the imthis impression can be overridden by indicating otherwise (e.g. she divided some of the sweets amongst the children). Note, however, the difference pression that after the dividing is done 'the sweets' are exhausted, though pression of intentionality, so also the combination of [inherent] and the selection of [+benefactive] with [random] (scatter) creates the imbelieve that another aspect of [planned] processes is important here. Just as can be realized only by a prepositional group with between or amongst. But I with the option [planned], might explain why the Benefactive circumstance interpreted as a Recipient (as with give, sell, lend). These features, together because Benefiter-1 can never occur as a direct beneficiary. The option The [iterative] divide is said to have the option [constrained] precisely planned] is capable of creating an impression of 'exhaustivity'. (17b), for [inherent] is said to be pre-selected because Benefiter-1 will always be

- she distributed some medicine to the refugees
- (19a) (19b) she distributed some medicine amongst the refugees.

the selection of between and amongst, but perhaps the lines along which this may be done are clear enough not to need discussion. indicated. Note that further detail will be needed to differentiate between may be said to carry the connotation of exhaustivity, unless otherwise better explanation for the selection of between/amongst with divide, which exhausted after the distributing was done. If this is so, this may provide a I feel that only (19b) creates the impression that 'some medicine' was

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as divide are entered below (XII-XIII). Common to each are the following selections, which are not repeated in the individual arrays: The array of selection expressions requiring that the Event be expressed

[material: action: disposal: deprivation; iterative; beneficile: inherent: nonreflexive]

XII: Event = divide e.g. [:indeterminate; simple; constrained]

(17a) she divided the apple between John and Jenny.

(17b) she divided the sweets amongst the children.

[:indeterminate; complex; free]

XIII:

(17c) the Head of School divided the money between the two Event = divide e.g.

research directors for their assistants

that will meet all of the requirements is distribute. Compare (17a) and characteristics inherited through the PI up to this point). The lexical item of acting as the Event cannot take a singular noun as Thing in the Medium; (20a): the activity must imply a Recipient (this is, of course, in addition to all the If the option [determinate] applies, the implication is that any item capable

(20a) she distributed an apple to the children.

-eds]). This implies that it can take a direct Benefiter-1, as in: having the option [free] (see K2b [co-select options [inherent] and [free] same way as it is in I'm giving a book (as a present). I am treating distribute as Again, if we have they distributed some medicine, a Recipient is implied in the

(20b) the government distributed the peasants a new high-yielding variety of wheat seeds.

The option between [simple] and [complex] also applies:

- (20C) to celebrate the event, they distributed everyone bags of sweets.
- (20d) on Mother's Day, we distributed the children presents for their

singular) -eds] will need to be formulated more carefully. Consider: Medium Thing as / (alienable, divisible) plural or non-count (i.e. outclassif, categorize Medium Thing as /(alienable) -eds] and K2a [subcategorize ways, and it is likely that the subcategorization statements in K1a [sub-Note that the non-singularity of the Benefiter can be indicated in different

- (21a) she distributed pamphlets to the students. she distributed a pamphlet to each student.
- (21b)

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# (21c) ?she distributed pamphlets/a pamphlet to a student.

The array of selection expressions requiring that the event be expressed as distribute are entered below (XIV-XV). Common to each are the same selections, shown above for XII-XIII, and these are not repeated:

XIV: [:determinate; simple; free] Event = distribute e.g.

(20a) she distributed an apple to the children.
(20b) the government distributed the peasants a new high-

yielding variety of wheat seeds.

(20c) to celebrate the event, they distributed everyone bags of

[:determinate; complex; free] Event = distribute e.g.

XV:

(20d) on Mother's Day, we distributed the children presents for

# 4. The lexicogrammar of deprivation 2: strew, spill, share

The above section concludes the description of processes which combine [deprivation; iterative; beneficile]. When [deprivation; iterative] combine with [non-beneficile], this acts as a multiple entry condition for the options [independent] vs. [cooperative]. The option [cooperative] implies that the activity cannot be carried out without a 'co-doer'. So that just as a Recipient is always 'present' in a clause with the option [inherent], so a function I shall call Cooperant is always 'present' in a clause with [cooperative] as in (Eric is so sweet) he always there is toys. When the option is [independent], the function Cooperant is not permitted; in this sense, then, I am making a distinction between 'joint' doing as in Eric and Jim played with the toys, and cooperancy as in Eric shared his toys with Jim. The instructions for the two are:

1. [independent]

١.

a. subcategorize Event as /(material action inherently repetitive, leading to Agent's loss of access to Medium, incapable of requiring Benefiter) and NOT INHERENTLY REQUIRING a co-doer/

[cooperative]

a. subcategorize Event as / (material action inherently repetitive, leading to Agent's loss of access to Medium, incapable of requiring Benefiter) and INHERENTLY REQUIRING function Cooperant/

[independent] is the entry condition to two options, which are so obvious they do not need much discussion. They lead to the subcategorization of the Machine se follows:

### 1. [+solid]

Z

 a. subcategorize Medium Thing as (alienable, divisible) plural or count, solid/

2. [+liquid]

a. subcategorize Medium Thing as (alienable, divisible) liquid

The options [independent+solid] require that the Event be realized by strew while the options [independent:+liquid] require that it be realized by spill. It may be argued that scatter is a possibility for the former; but note that scatter has also the options [beneficile:potential]. When this combines with [...:-benefactive], there would appear to be some interchangeability between strew and scatter. So we can have:

(22a) she had scattered everything on the floor

(22b) he had strewn everything on the floor.

But, as lexical items, scatter and strew cannot be said to be exactly alike. There are no such clauses as:

(23a) she strewed the pigeons some breadcrumbs.

she strewed some breadcrumbs for the pigeons.

Another question may be raised: why should option [independent] be recognized in the case of strew but not in that of scatter? This is because it is only in the environment of [deprivation; iterative; non-beneficile] that the contrast carries any significance, since all other [disposal] processes are uniformly like strew in not being able to require the function Cooperant. As a lexical item, strew appears far less frequently than scatter, and this may be because scatter can do everything that strew can and also some more things which strew cannot do, e.g. take a Benefiter. Spill differs from strew only in that its Medium must 'be' liquid. Note the metaphoric nature of spill the beans and spill his guts. Here is an example of spill comparable to (22b):

## (22c) the waiter spilt soup on her dress.

Turning to the option [cooperative], it is best first to develop the notion of the function Cooperant. A Cooperant differs both from a Benefiter and from the informal notion 'joint doer'. A Benefiter, I have argued above, is not only always at the receiving end but must also be dissociated from an Agent. This is not true of Cooperant. Consider:

## 24) they shared the sweets.

This clause would be interpreted as they shared the sweets between/amongst themselves. But if so, this is because the functions Agent and Cooperant are both systemically present and realized by they. Compare (24) with:

### (24a)he shared the sweets.

sharing cannot be undertaken. So, unlike a Benefiter, a Cooperant is function is essential, since in the absence of the Cooperant the activity of absence of explicit mention of a Cooperant, the assumption is that the from the Agent, though it can be as in: neither at the receiving end nor does it necessarily have to be dissociated Here the Cooperant is both implied and implicit; notwithstanding the

## (24b) John shared the sweets with Jenny

by John. Cooperant is also different from 'joint doer'. In In (24b) the function Cooperant is realized by with Jenny, that of the Agent

- (25a)they walked together to the station.
- (25b) Eric walked to the station with Jim.

alone has this characteristic. And although sell, lend might appear to be like in this respect, e.g. marry, fight, meet, agree. But of the disposal processes share share, there is an important difference. In the other. There are certain non-disposal-type processes that resemble share ment of at least two persons; and the action of one is a condition for that of her own action. Not so with share. Sharing cannot be done without involvematter how many persons function as the Agent, each is responsible for his/ be carried out without two or more persons' involvement; secondly, no there is no cooperant function. In the first place, the activity of walking can

## (26) John sold/lent Melanie a car.

different constituent of the clause. Moreover, there is a meaningful distincunder certain specifiable conditions, each could not be realized by a would not need to dissociate the functions Subject and Actor and Theme, if, separate functions of Agent and Cooperant be recognized? The simple answer is because the functions can be separated from each other. We Cooperant and the Agent to the activity is the same, then why should two does not follow that Melanie sold John a car. But if the relationship of the follows that Jenny shared sweets with John; but if John sold Melanie a car, it vis-à-vis the Event are not the same. If John shared sweets with Jenny, then it although John and Melanie are involved in the same exchange, their roles tion between (24b) [John shared the sweets with Jenny-eds] and (24c):

### (24c) John and Jenny shared the sweets

(24b) leaves no room for indeterminacy; (24c) does, as comparison with sweets; (24c) is neutral about the prior ownership of the sweets. Moreover, In (24b), John is likely to be seen as the one who had prior access to the

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(24d) John and Jenny shared the sweets with Benny.

[discrete] would carry the following instructions: It is important, then, to recognize a distinction between [discrete] and fused] - the two options shown to depend on [cooperation]. The option

Z

- insert function Cooperant
- tion with Cooperant pre-selects prepositional group with preposi-
- conflate Cooperant with Prepositional Complement
- Prepositional Complement pre-selects nominal group
- order Prepositional Complement to follow preposition animate nor co-referential with Agent
- underlying (24c) would be [:cooperative:fused]. The only instructions for [fused] are: Underlying (24b) then would be the options [:cooperative:discrete], while

### fused

Z

- insert function Cooperant
- D 8 Cooperant pre-selects nominal group animate

sweets -eds] exemplifies the former; an example of the latter would be: [Agent-oriented] and [Medium-oriented]. (24c) [John and Jenny shared the This option is the entry condition for a further systemic choice between

## (24e) John shared Jenny's sweets

as 'John and Jenny shared the sweets and the sweets were Jenny's'. This is one reason why it is possible to clinch the matter by saying: I suggest that in the absence of a Good Reason, (24e) would be interpreted

### (24f) John shared Jenny's sweets with her.

The instructions for the last pair of options are as follows:

## [Agent-oriented]

P.

- pre-select nominal group complex
- pre-select additive complexing conjunction and
- Ď. order Agent to precede and
- d.C order Cooperant to follow and [Medium-oriented]
- Cooperant pre-selects possessive -'s
- conflate Cooperant with Possessive Modifier in Medium

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function of with her is different; it is a kind of 'marking' and I am assuming the textual metafunction. Such marking can also occur with [Agent-ITY, but to options from some other system network which is the output of that the option(s) that govern its appearance do not belong to TRANSITIV-Benny is Cooperant, while John and Jenny are (joint) Agent. In (24f), the The difference between (24d) and (24f) is important. In the former, with oriented] as in:

# (24g) John and Jenny shared the sweets with each other

any further here, but conclude with the comment that the only lexical prepositional group would have been with him. I shall not pursue this with the Cooperant; thus if (24f) had been John shared Ben's sweets, then the Note that the prepositional groups here are constrained to be co-referential item capable of acting as the Event in a clause with [deprivation;iterative;non-beneficile;cooperative] is share.

common to each and so not repeated are: as strew or spill or share is presented below (XVI-XX). The selections The array of selection expressions requiring that the Event be expressed

## [material:action:disposal;iterative;non-beneficile]

XVII: X XIX: XVIII: XVI: (24e) John shared Jenny's sweets. Event = share e.g. Event = share e.g.Event = share e.g.Event = spilt e.g. [: cooperative:fused:Medium-oriented] (24d) John and Jenny shared the sweets with Benny. (24b) John shared the sweets with Jenny [: independent:+solid] (24g) John and Jenny shared the sweets with each other. (24c) John and Jenny shared the sweets (22c) the waiter spilt soup on her dress (22b) she had strewn everything on the floor. : cooperative:fused:Agent-oriented] : cooperative:discrete] : independent:+liquid]

## The continuity of grammar and lexis

(24f) John shared Jenny's sweets with her

The above discussion has, hopefully, established nine distinct lexical

### accumulate distribute collect divide scatter spill

is feasible. In fact I believe that I have demonstrated not only that 'lexis' to a better understanding of the identities and differences between memclaim that the project of turning the whole of linguistic form into grammar delicate grammar. However, I hope that the description will permit the bers of the paradigm. BENEFACTION options is to do grammar after lexis, which has hopefully led tral], [+vast] and [unmarked]. To show the combination of these with vis each other can be established by virtue of the options [unitary], [neufar as gather, collect and accumulate are concerned, their unique identity vis-à equals 'delicate grammar' but also that there is [grammar beyond lexis]. So reasons of space; this is a natural concomitant of attempting to write a Common to these lexical verbs is the characteristic that they can function as [disposal] processes. It has not been possible to discuss any of these for posal] and [iterative]. There appear to be some seventy-odd [non-iterative]

are intended as an invitation to closer examination. in their textually motivated structure. Unlike larger structures, the lexical current multiple structures extends right down the rank scale to the smaller more conflated grammatical functions. These remarks are speculative, and experientially motivated grammatical structure is the same, their interunits, e.g. the lexical item. A priori there seems no reason to rule out this reason for denying that a lexical item could be the expression of two or tions can be conflated on to the same segment, there would appear to be no item is unsegmentable; but if we accept that, in principle, different funcsame experientially motivated structure, though they most probably differ grin/cry, bawl are examined closely, we are likely to find that while their possibility; rather there is some favourable suggestive evidence. For exam-(1980), and others. It remains to be seen whether the postulate of con-Halliday (1969; 1970; 1985), Mann and Matthiessen (1983), Young assumption (7) has been demonstrated by Martin (1984), Fawcett (1980), the description of larger linguistic units, e.g. the clause, the validity of The account is simply the output of one metafunction – the experiential. In nine items is not complete. This follows from assumption (7) in section 1. day, today and two, both: both members of each pair are likely to have the personally motivated structure differs. A similar phenomenon is evident in (Leech 1974; Lyons 1977). If pairs such as ask, enquire/buy, purchase/smile, ple, synonymy is a well-recognized concept, though a troublesome one It needs to be made quite clear that the description presented here of the

to be postulated precisely because certain lexical items are known to exist? come from? And isn't there some circularity? Is one simply pretending to start from the network as if it were sui geners, while in fact the options appear One may ask: What exactly is the basis of these options? Where do they

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grammar we describe, we are in the last analysis describing the possibilities appear as replicas of, say, English meanings (cf. Hasan 1984). meanings which can be expressed verbally. The options are presented in experience of language. The options of the networks are not 'universals' of only that which is known to us, and this knowledge is based upon our I would answer this by saying that no matter what aspect of the lexicoit can make an effort to distort other people's meanings to make them does not appear necessary. The networks represent a language; they do not parallel to the options [unitary] vs. [neutral] (cf. t)unna relation is impossible. For example, in Urdu, while there seems to be a close of meaning; they are not there because the making of any other kind of certain relations to each other because this is how I understand English ways inventit. Moreover, I doubt that any grammar can invent a language, though k^rna), the distinction I needed to recognize by primitives' or God-given truths: they are schematic pointers to man-made [+vast] vs. [unmarked] and ds/ma

Lack of space does not permit a detailed discussion of the implications of turning the whole of linguistic form into grammar, but if the account of the nine lexical items presented above has appeared valid, then it certainly upholds the systemic functional view of an uninterrupted continuity between grammar and lexis. It rejects the approach wherein the bricks of lexis are joined together by the mortar of grammar. The notion of the lexicon as an inventory of items, each having its own meaning in itself, stands refuted, and the insights of Saussure (1916), Firth (1935), Hjelmslev (1961), Whorf (1956) and Halliday (1961) are confirmed. The complex relation between the signification and value of a linguistic sign is also highlighted,

The concept of reference has been a problematical one in semantics (Lyons 1977). The interpretation of the term 'reference' as an onomastic relation to existents is a limiting one, which arbitrarily cuts the sign system into two distinct areas: there are signs such as tree 'referring' to TREE, a concrete object, a member of a class 'out there'; and there are signs such as gather, collect which lack referents. This leaves the question unanswered: how is it that such signs make any contact with the world of action/state, which is the only reason for their existence? Why is it that where it will do to ear the hook is in that here

say the book is in that bag, it will not do to say the book is on that bag?

The description offered here implies that the ways in which the reference of book or bag is achieved is essentially the same as that for is, in, on, that and the. Saussure created an unnecessary enigma in his account of value and signification. In part this was due to the cleavage between langue and parole. Any viable account of reference will have to take parole into account, and this not just so that we know that the name John and the man in blue juans may point to the same person. But parole dissociated from contexts of human living is an anomaly. The reason Malinowski (1923; 1935) was able to turn Saussure's relation of value and signification upside down (Hasan 1985) was that ways of saying – parole within contexts – is creative of the langue. This is how I understand Hielmslev's comment that process determines system; a

phenomenon cannot achieve the status of a process without systematicity. Value and signification are indeed two sides of the same coin. Looked at from the point of view of the system – the *langue* – we may claim that signification depends on value; looked at from the point of view of process – the *partole* – our claim would be that value depends upon what the speakers have consistently signified by sign – how it has meshed in with their structures of action and thought. Looking for meaning in use (Wittgenstein 1938) implies looking at both kinds of use – how a sign combines or contrasts with other signs in a string or a paradigm and how (some part of) the string applies to the world.

former, it is divorced from language, so that 'knowledge of the world' and guage'. From the latter point of view, what is called 'world knowledge' or the existence of that network of relations which, for short, we call 'lanwriting today, there is an uneasy amalgamation of two irreconcilable views: of considerable use in explaining much of what Wilkes's preferential dependency' (Schank 1975). At the same time, it seems likely that it will be concepts of 'semantic inheritance' (Brachman 1979) and 'conceptual very long indeed. Such grammar has the potential of making explicit the presented here would be an essential prerequisite to the enquiry. The someone else's ideology. Secondly, current postulates of world knowledge because they are not at the receiving end of being brainwashed into them the shape of that world appears eminently reasonable, it is only be criticized at least on two counts: in practice it presents the advanced 'knowledge of language' are seen as two distinct concepts. Such a view can language as the construction of meanings, whose existence is beholden to language as the representation of meanings that exist sui generis, and notion of PI explicitly points out that the implicational shadows of signs are whole. When interest in this question arises, a delicate grammar of the type by the various semiotic systems is integrated into some kind of working fail to address the fascinating question of how the information constructed Western peoples' knowledge of the world as the knowledge of the world; if to semantics is based on (Wilkes 1978). knowledge structure' is largely constructed by language itself; from the This line of argument needs further exploration. In most linguistic

The Systemic Functional model has always rejected the absurd postulate that transformations are meaning preserving – a view that can be upheld only if semantics equals the experiential metafunction and certain parts of the interpersonal metafunction selected on an ad hoc basis. It has also rejected the view that the only valid form a grammar can take is to trace the genealogical relationship between transformationally related strings. Once these two presuppositions are removed, transformations are transformed into the relation of agnation; and the rationale for the existence of certain transformational possibilities can be made explicit on the basis of a grammar of the type presented here (Hasan 1971).

When the grammarian's dream comes true, it will in all likelihood enable us to throw better light on the notions of synonymy, antonymy and hypo-

between 'grammatical item' and 'lexical item'. Also, I believe, it will help in of English language for constructing meanings beginning made here represents no more than an iota of the total potential in order to translate the dream into reality much work is needed. The making more precise Firth's view of collocation (Firth 1951a). Meanwhile nymy. It will force us to make more explicit the basis of the distinction

In this paper, the editors have taken the liberty of repeating some realization from their original location in the text. statements and examples where these have been referred to at some distance

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