Semantics and Pragmatics of the Dative Alternation (in the face of new evidence from the WWW)

Manfred Krifka

Humboldt-Universität & Zentrum für Allgemeine Sprachwissenschaft (ZAS) Berlin http://amor.rz.hu-berlin.de/~h2816i3x

Ann gave Beth the box.
$NP_0 V NP_1 NP_2$
Prespositional Object (PO) construction:
Ann gave the box to Beth. NP ₀ V NP ₂ to NP ₁
For comparison: German, no alternation, dative and accusative ca
Der Mann gab der Frau den Hut the.nom man gave the.dat woman the.acc hat
Generalization, Siewierska (1998): No language with a dative case (distinct from locative, allative) has a DO construction (i.e. one in which recipient, theme have the same encoding).

Three versions of the Monosemy View	
Laronson (1988): PO construction basic, DO construction derived. $[_{V'} give_1[_{VP} the car[_{V'} t_1[_{PP} to Beth]]]]$ $\Rightarrow [_{V} give_1[_{VP} Beth_2[_{V'}[_{V'} t_1 t_2] the car]]]]$	
Aoun & Li (1989): DO construction basic, PO construction derived. $[_{VP} \text{ give } [_{SC} \text{ Beth } [_{VP} e \text{ the car}]]]$ $\Rightarrow [_{VP} \text{ give } [_{SC} \text{ the car}_2 [_{VP} e t_2] \text{ to Beth}]]]$	
Butt, Dalrymple & Frank (1997): Non-derivational monosemy accounts, . Thematic information: give (Agent, Theme, Goal) Two possible syntactic realizations: (i) give [Beth]Obj [the car]Obj _{theme} , (ii) give [the car]Obj [the car]Obj	
(ii) give [the car]Obj [to Beth]Obl _{goal}	





General explanative strategy for meaning differences and lexical restrictions

Meaning differences:

The lexical semantic patterns for DO and PO are different.

Lexical restrictions:

Specification of the semantics of specific verbs requires certain semantic material that only the DO or the PO pattern provides.





















Verbs of release of information
Ann cabled / faxed / e-mailed the news to Beth. Ann faxed / cabled / e-mailed Beth the news. manner(fax)(e): e: an event in which the agent of e puts the theme of e into a fax machine and sends it
Ann faxed the news to Beth. ∃e∃e′[agent(e, Ann) ∧ manner(fax)(e) ∧ cause(e, e′) ∧ move(e′) ∧ theme(e′, the_news) ∧ goal(e′, Beth)]
Ann faxed Beth the news. ∃e∃s[agent(e, Ann) ∧ manner(fax)(e) ∧ cause(e, s) ∧ s: have(Beth, the_news))]
These verbs relate to the initial part of information transfer: Ann faxed Beth the results. Actually, Beth's secretary got the fax, and he e-mailed them to Beth. #Ann e-mailed Beth the result. Actually, she faxed them to Beth's secretary, and he e-mailed them to Beth.



		Receiver	1	R	eceived Entity	/	
	Given	Accessible	New	Given	Accessible	New	
DO	97	10	1	7	18	88	
PO	24	19	14	22	15	20	
Acce	ssible: Re	d for the first coverable, bu	ut less d	irectly th		t in citu	ation



	_
Empirical Problems	
 Research on lexical restrictions of dative alternation mainly based on the intuition of linguists. Language acquisition research pointed out that children make few "mistakes"; the restrictions of the Dative Alternation became a model problem of language learning: Cf. Braine (1971), Baker (1979), Gropen e.a. (1989), Pinker (1989), Snyder & Stromswold (1997). 	
But what does corpus evidence tell us? Study by Bresnan & Nikitina (2003), "On the gradience of the Dative Alternation", Corpus: Word Wide Web, no frequency data are given, examples apparently quite rare (none in 1-million words switchboard corpus)	















Bresnan & Nikitina's explanation of lexical restrictions	
"We can use both dative NP and dative PP syntax [i.e., DO / PO] to express transfer of possession, but the prototypical uses of giving are heavily biased towards the dative NP [i.e., the DO] construction."	
Question: Why is there this bias?	
B&N refer to general likelihood assumptions: "if a person accompanies or holds, clings to, or otherwise stays in contact with a possession, it seems to us less likely that a transfer of possession is going on"	
General explanation strategy: "grammaticality judgements of contrasting pairs of examples may be systematically biased by the probability of similar descriptions of the event depicted by the verb"	
Example: Ann pulled the box to Beth. / ?? Ann pulled Beth the box. It is improbable that an event of pulling a box to someone is described as an event of giving the box to that person. Ann threw the box to Beth. / Ann threw Beth the box. It is more probable that an event of throwing a box to someone is described as an event of giving the box to that person.	
General problem of this strategy: Do speakers really compute such likelihoods of alternative descriptions?	
It appears more plausible to assume different lexical representations!	







–
Exceptions in the lexical account:
manner of communication
?? Ann yelled Beth the news. No movement event provided for the expression of manner(yell) ∃e∃s[agent(e, Ann) ∧ manner(yell)(e, e') ∧ cause(e, s) ∧ s: have(Beth, the_news))]
Where: manner(yell)(e, e'):
 e: event in which the agent exerts his articulatory organs with intensity e': an event in which information (the theme of e') moves to the goal of e', which is caused by e, such that there is a homomorphic
mapping between e and e'.
But there is a simpler manner of yell, cf. Ann yelled. manner(yell)(e): e: an event in which the agent exerts his articulatory organs with great intensity
No movement event is involved, hence: ∃e∃s[agent(e, Ann) ∧ manner(yell)(e) ∧ cause(e, s) ∧
s: have(Beth, the_news))]
But then: Why is this simpler manner dispreferred?
Presumably because it is not made clear how excerting one's articulatory organs with great intensity
can lead to a state in which Beth is in possession of the news.

