On Factors Barring the Causativization of Path Verbs

Czynniki powstrzymujące kauzatywizację czasowników ruchu

nections between semantics and syntax, namely, between types of verbal semantic tem-The present paper is a contribution to the long-standing discussion of principled conplates and types of syntactic configurations into which verbs may enter. It focuses on caused motion constructions with verbs of human locomotion and argues that factors of meaning is the absence/presence of energy that triggers the movement and controls causal structuration of the motion situation. It will be demonstrated that the key aspect the verb's lexical semantic representation but also, and no less importantly, in the type of that licensé the formation of these types of construction should be sought not only in its course and that decides on the type of causal structuration of the motion (and, hence,

on the nature of the arguments involved).

vide infomation about direction of motion unless they combine with a path phrase (cf. physical modality of motion but, in contrast to the so-called path verbs, do not promotion verbs and path verbs. Manner of motion verbs encode information about the e.g. Levin 267): John walked, John ran, John swam, etc. By contrast, path verbs merely in relation to the direction of motion" (Matsumoto 190): John came, John went, John left, encode information about "the configuration and position of the path, often specified Locomotion verbs are commonly classified into two distinct categories, manner of

tic behaviour. Consider the following sets of examples with two frequently used verbs, namely, the manner of motion verb walk and the path verb go: The two major classes of locomotion verbs display a substantially different syntac-

- (1) a) John walked to the door.
- b) John went to the door.
- (2) a) John walked Mary to the door. b) * John went Mary to the door.
- (3) a) John walked himself to the door. b) * John went himself to the door.
- (4) a) John walked his way out of the room.
- * John went his way out of the room.

go (/come) + a manner of motion verb in the ing-form'2: of a path and the manner of its execution in the syntactic configuration 'the path verb and Talmy, inter alia). In this connection, note the possibility of dissociating the traversal positing the features 'manner of motion' and 'path of motion' as contrastive (cf. Levin whereas path verbs are, in this respect, largely restricted. This fact provides support for As is evident, manner of motion verbs display a marked elasticity in their meaning,

- John came running to the garden to see what had happened.
- John went running to the house to see what the matter was.

factors underlying the mappings between semantics and syntax. components 'manner of motion' and 'path of motion' cannot be evaluated as the sole of obvious correlations between verbal class membership and syntactic behaviour, the differences in the syntactic behaviour of the verbs under consideration. That is, in spite 'path of motion' represent abstractions of verbal idiosyncratic properties and, as such, are that positing the two meaning components as core does not, by itself, explain the marked Levin, and in Jckendoff's lexical conceptual structure³. A closer look reveals, however, commonly evaluated as syntax-sensitive. This position is a common denominator both in the lexical-projectionist theory proposed by, e.g., Pinker, and Rappaport Hovav and It certainly cannot be denied that the meaning components 'manner of motion' and

The flexibility of manner verbs and the marked rigidity of result verbs can be illustrated in the following sets of examples, taken from Rappaport Hovav and Levin (103): tactic usability (on the difference between manner and result verbs see also Fillmore). to the category of "result verbs", which are characterized by a largely constrained synplained by the fact that these verbs lexicalize an achieved location and, as such, belong Rappaport Hovav and Levin propose that the behaviour of path verbs can be ex-

- a) Mary scrubbed her fingers to the bone. (scrub: manner verb) b) *Mary broke her knuckles to the bone. (break: result verb)
- a) Mary rubbed the tiredness of her eyes. (rub: manner verb)
- b) *Mary broke the beauty of the vase. (break: result verb)
- a) Mary swept the leaves off the sidewalk. (sweep: manner verb) b) * Mary broke the dishes off the table. (break: result verb)

verbs is a necessary procedure if one strives to account for as many syntactic construc-It certainly cannot be denied that minimizing the lexical information contained in

went to the door, The aircraft descended in five minutes), but also in atelic ones (John went example, the verbs go or descend can be used not only in telic motion situations (John path to be determined (or, rather, co-determined) by the intra-sentential context. For verbs are underspecified as to the reference to an achieved location, leaving the type of cause it rests solely on the inherent telicity of path verbs. In actual fact, certain path However, argumentation in Rappaport Hovav and Levin's vein poses problems be-

> approached along the corridor). presentation of a motion situation (cf., e.g., the sentences John approached the house, John is inherently, i.e. not merely potentially, atelic. That is, irrespective of the type of path phrase and the type of temporal modification, this verb does not allow of a bounded towards the door, The aircraft descended for five minutes). In addition, the path verb approach

which the actual executor of the motion takes up the direct object position (prototypiagentive and the patientive role. tion of a motion. By this wording it is meant that the causee is endowed with both the cally reserved for patients) as representing an externalized stylization of internal causacal). Generally speaking, it seems reasonable to evaluate caused motion constructions in examples in (2) and, also, the examples in (3), in which the causer and causee are identiof the causer's activity and, at the same time, the actual executor of the motion (cf. the encoded in the verb and the direct object position is occupied by the causee as the target in which the subject position is occupied by the causer as the instigator of the motion swered why path verbs cannot causativize, i.e. why they cannot enter into constructions explained by appealing to the concepts 'result' and 'manner' solely. It remains to be an It is evident that the largely restricted syntactic usability of path verbs cannot be

later, this aspect of meaning is of considerable importance). the source of energy whose exertion results in the motion in question (as will be shown that this construction explicitly presents the mover as the causer of the motion, i.e. as the path "created" by the mover (on this see Goldberg). Consistent with this is the fact constructions. The expression one's way, occupying the direct object position, designates reason to treat this type of construction as belonging to the family of caused motion path verbs of entering into the one's way construction (exemplified in 4). There is good Related to the impossibility of causativization is, apparently, the impossibility of

to say, not possible: *John went (/ came) himself to the door, *John went (/ came) Mary to the tence, relegating the internal argument to the direct object position. This is, needless verbs should allow for the possibility of inserting an external argument into the senof path verbs should, in theory, enable these verbs to causativize. In other words, path The problem for this analysis is that the patientive status of the surface structure subject (John came to the station, John went to the door, John approached the house, John left the house) external argument). That is, the subjects of unaccusatives are not agents but patients subjects are deep-structure objects (unaccusative verbs are thus described as lacking an unergatives are agents (John walked to the station, John ran to the station, John swam across eventualities that are internally caused (on this see Perlmutter). That is, the subjects of to which self-agentive manner of motion verbs belong, are monadic verbs expressing the lake, etc.). Unaccusative verbs, to which path verbs belong, are monadic verbs whose classification of intransitive verbs into unergatives and unaccusatives, unergative verbs, important role in determining the verb's syntactic behaviour. According to Perlmutter's argument structuration, underlain by a specific type of causal structuration, plays an door, *John went (/ came) his way out of the room*. To turn to the semantic roles of causer and causee, it appears that the character of

place which functions as the spatial anchorage of the motion. Consider: argument, because this position is already taken up by a nominal phrase designating a tient cannot occupy the direct object position, i.e. the position reserved for an internal verbs like descend, leave, enter can be given an independent explanation: the alleged pa-A remark is due here. The impossibility of forming causative constructions with path

- (10) a) Mary descended the stairs.
- b) *John descended Mary the stairs.
- (11) a) Mary left the town.
- b) * John left Mary the town.
- (12) a) Mary entered the house.
- (13) a) Mary approached the station. b) * John entered Mary the house.
- b) *John approached Mary the station.

interesting illustrative examples from the British National Corpus: of the motion can take up the subject position in passive constructions. Consider two In line with their internal argument status, phrases encoding the spatial anchorage

- (14) It is a perceptual garden in which there are goodies to be picked once the garden has been entered.
- (15) The aircraft was left for two hours while the pilot was arranging for its recovery, and during this period it was extensively damaged by vandals.

These caused motion constructions accommodate both the source of energy (the causer) self to the window, John walked Mary to the station, John walked his way out of the room a causal link between the traversal of the path and the activity lexicalized by the verb is in line with the observation offered in Croft, Pinker or Talmy, namely, that there is This explains why it is possible to causativize manner of motion verbs: John walked himof their body. From this point of view, the mover is both an agent and a patient. This description of the status of the mover in the causal structuration of the motion situation is both its source and its receiver precisely because they move due to the manipulation cal modality of motion. Viewed from the perspective of the flow of energy, the mover location by providing energy whose outward physical manifestation is a concrete physithe exertion of a concrete type of physical energy. In other words, the mover changes expressed by means of manner of motion verbs, the mover changes location owing to e.g., Langacker). That is, the patient is the receiver of the energy. In motion situations is its target (the concept of the transmission of energy is dealt with in great detail in, tion. In terms of flow of energy, an agent is a participant that exerts energy and a patient not necesarily have to imply that this participant is the patient. Let me offer an explana-No matter how counterintuitive it may seem, the non-agentive status of the mover does path verbs? One grows increasingly conscious that an answer to this question will most probably provide an explanation of the impossibility of the causativization of path verbs What is, then, the semantic status of the mover in situations expressed by means of

> walked his way out of the room) attests to the causal link between the mover's activity of and its receiver (the causee). The possibility of forming the one's way construction (John

no transmission of concrete physical energy is involved. Following Russell's lead, all door, John came to the sitting room, John arrived at the station, etc.), no release and, hence, walking and the creation of the path. another" (Russell 83-84). Needless to say, there are differences between path verbs but they do not concern the modality of movement in terms of its concrete physical form. that can be said about the mover is that he "is in one place at one time and in another at a spatial orientation of the motion (i.e. it encodes inherent atelicity), etc. What is at issue For example, arrive encodes a journey (i.e. a relatively long path), approach lexicalizes of location, stripped off all additional components of meaning. This is, most probably, here is the fact the movement is presented in its bare, simplest form-- as a pure change By contrast, in motion events expressed by means of path verbs (John went to the the reason underlying the vast semantic applicability of path verbs. More specifically, movement along a scale). One can, for example, say that a question arises, this road goes they change their state (as is well known, a change of state is, at a very abstract level, a path verbs may be used to designate situations in which no real movement is present. They may encode situations in which entities move in an abstract sense or in which

to Prague, he came to the conclusion, he went mad, etc. From this specific construal of motion situations lexicalized by path verbs it follows

e.g., the mover's going (/ coming, / appearing) somewhere and the fact of the mover's calize the mere fact of a change of location, one cannot posit a causal relation between, that the movements in question are not the result of any action. Since path verbs lexitranslocation. One cannot say that "the mover goes (/ comes, / arrives) somewhere and tion and that's why one cannot say that "the mover changes location by means of going in this way changes location". In other words, the movement is not a means of translocadifferent ways). As opposed to the movement in manner of motion verbs, the movement (/ coming, / arriving) somewhere" (one can thus come, go or arrive somewhere in may

in path verbs is presented as abstracted from a causal chain.

status of the mover. No matter how counterintuitive it may seem, this participant can be identified neither as an agent nor as a patient. An explanation along these lines can be supported by appealing to Langacker's analysis of situations encoded in the verbs of conceived as being inherently non-energetic, but rather that only the thematic process lute construal on the movement they designate. This does not imply that the motion is the come, go or arrive type. Langacker (390) observes that these verbs "impose an absoitself (i.e. the movement per se) is saliently evoked and placed in profile". Inspired by (involving an agent-patient differentiation) but instantiations of a pure kinetic schema. occupy the direct object position, reserved for the receiver of the energy underlying the The non-patientive position of the mover, then, explains why this participant cannot this, we may say that these motion situations are not instantiations of an actional schema motion (to repeat, patients are, by definition, affected participants). The non-instrumental position of this type of movement is in line with the semantic

of the motion (on this see e.g. Miller and Johnson-Laird 551-552). (/ ran) slowly) is a derived feature because it follows from the concrete physical modality situations encoded in manner of motion verbs (John walked (/ ran) quickly, John walked stretch of space into a dynamic one" (Kudrnáčová 56-57). By contrast, speed in motion a property of the temporality that converts space into a path, i.e. that converts a static here "pertains to the very basics of motion as progression in space over time. It expresses from a release of concrete physical energy. It should be realized, however, that speed counter to the claim that motion of this type is presented in its bare form, abstracted by means of pace adverbs (John went quickly to the door, John went slowly to the door) runs It may be argued that the possibility of modifying movement encoded in path verbs

in question. What also comes into play is the type of causal structuration of the motion 'path' and 'result' does not adequately account for the syntactic behaviour of the verbs underlain by its specific energetic profile. tion of the classes of verbs under consideration involving the semantic features 'manner', To sum up the paper has attempted to show that the lexical semantic representa-

References

Asher, Nicholas, and Pierre Sablayrolles. "A Typology and Discourse Semantics for Mo-Adam, Martin. Functional Microfield Perspective: A Religious Discourse Analysis Based on FSP. Brno: Masaryk University, 2009.

Boas, Hans C. A Constructional Approach to Resultatives. Stanford: CSLI Publications, James Pustejovsky and Branimir Boguraev. Oxford: Clarendon Press, 1996: 163-209. tion Verbs and Spatial PPs in French." Lexical Semantics: The Problem of Polysemy. Eds.

Croft, William. Syntactic Categories and Grammatical Relations. Chicago: University of Chicago Press, 1991.

Fillmore, Charles J. "The Grammar of Hitting and Breaking." Readings in English Trans-Mass.: Ginn, 1970. 120-133. formational Grammar. Eds. Roderick A. Jacobs and Peter S. Rosenbaum. Waltham,

Firbas, Jan. Functional Sentence Perspective in Written and Spoken Communication. Cambridge: Cambridge University Press, 1992.

 $\operatorname{\mathsf{Goldberg}}$, $\operatorname{\mathsf{Adele}}$. Constructions: A Construction Grammar Approach to Argument Structure. Chicago: Chicago University Press, 1995.

Jackendoff, Ray. Semantic Structures. Cambridge, Mass.: MIT Press, 1990.

Kudrnáčová, Naděžda. Directed Motion at the Syntax-Semantics Interface. Brno: Masa-

Langacker, Ronald W. Foundations of Cognitive Grammar. Vol. 2. Descriptive Application. Stanford: Stanford University Press, 1991.

Levin, Beth. English Verb Classes and Alternations: A Preliminary Investigation. Chicago: University of Chicago Press, 1993.

Matsumoto, Yo. "Subjective Motion and English and Japanese Verbs." Cognitive Linguistics 7.2 (1996): 183-226.

iller, George A., and Philip N. Johnson-Laird. Language and Perception. Cambridge,

Perlmutter, David M. "Impersonal Passives and the Unaccusative Hypothesis." Proceed-Mass.: MIT Press, 1976. ings of the 4th Annual Meeting of the Berkeley Linguistics Society. Eds. J. Jaeger. Ber-

Pinker, Steven. Learnability and Cognition: The Acquisition of Argument Structure. Camkeley: Berkeley Linguistics Society, 1978. 157-189.

Rappaport Hovav, M. and Beth Levin. "Building Verb Meanings." The Projection of Arguments: Lexical and Compositional Factors. Eds. Miriam Butt and Wilhelm Geuder. bridge, Mass.: MIT Press, 1989. Stanford: CSLI Publications, 1998. 97-134.

Talmy, Leonard. "Lexicalization Patterns: A Semantic Structure in Lexical Forms." Russell, Bertrand. Mysticism and Logic, and Other Essays. London: Longmans, 1918. con. Ed. Timothy Shopen. Cambridge: Cambridge University Press, 1985. 57-149. Language Typology and Syntactic Description 2: Grammatical Categories and the Lexi-

¹ In Asher and Sablayrolles manner of motion verbs are termed 'verbs of displacement' and path

religious texts based on the Firbasian theory of functional sentence perspective (see Firbas). 119) in relation to a special type of so-called Extended Presentation Scale sentences in his research on verbs 'verbs of direction'. ² An analogous phenomenon is discussed - from the functional point of view - in Adam (118-

play a role in determining the syntactic behaviour of verbs (on this see, e.g., Boas and Kudrnáčová). ³ In this connection it should be pointed out that idiosyncratic properties of verbs do, after all

(meaning that John is the mover) was come (/ was gone) to the store, *John was arrived at the station, John was approached along the corridor ⁴ Related to this is, also, the impossibility of forming passive constructions with path verbs: *John