

Clearly, *which* in (3) is not interrogative. It does not even appear to be a proper relative marker, substituting a missing NP. It occupies the same syntactic position as the interrogative form, as pre-modifier or determiner to an overt head, but at the same time it also seems to function as some sort of relativiser in that it links the head to some previously mentioned discourse. The *Oxford English Dictionary* (OED) simply calls this an "ordinary relative adjective" (s.v. *which*), the recent *Cambridge Grammar* in which case *Napster* would be ordered to block all major-label music from being traded through its service.

- (3) The appellate judges have several options. They can uphold Patel's decision, in which case *Napster* would be ordered to block all major-label music from

However, we also find occurrences such as in (3):

- (2) Yesterday I went to a traditional Finnish sauna, which is right off Eriksgatan.

- (1) Which sauna was too hot for you?

marker, as in (2):

Asksed about the role of *which* in present-day English (PdE), most people would intuitively say that it functions as an interrogative pronoun, as in (1), and as a relative

1. Introduction

This paper describes and analyses the origin, development, structure, and use of *which* as a demonstrative element. This largely qualitative study shows that demonstrative *which* had its heyday in the late Middle English and early Modern English periods. The subsequent education of both type and token frequency is seen in the context of both structural and sociolinguistic factors, e.g., the doubly-filled COMP filter and standardisation. From a functional point of view, its use is related to information structuring and the organisation of discourse through pragmatic markers. As a discourse marker, it refers back to a previously mentioned element and, at the same time, marks the end of one topic and provides a clear starting point for the next.

Alexander T. Bergs

The discourse-pragmatics of demonstrative *which**
There been things three, the which things
troublen al this erthe,

(*unpublished*, source of learning in *Prayer to the Pastoral Care*, Whitelock, II, 25-26)

Consider, which punishments us then became for this world
“Considerer which punishments we then had for this world”
After State of Lazarine in Pferdefeld, p. 111

(5) Gedenech hwelec witu us qaa becomon for disse worulde

²⁰ *Chewulf & Cyneheard, Anglo-Saxon Chronicle A; Whitelock, I, 19-20*

“And so I think ran whoever was ready and quickest them”

and then thicker ran whoever then ready was, and quickest.

Which as a relative marker seems to have originated in the Early Middle English period (see Fischer et al. 2000:92). As its precise origin and development are still somewhat unclear (e.g., did it develop out of generalising constructions such as *swa* *which* *swa* or out of interrogative *whille*? – see Fischer et al. 2000:92f.), these issues cannot and need not be discussed at this point. Suffice it to say that in Old English (OE), *which* could be used both in generalising relative constructions and as an adjective or interrogative pronoun, meaning ‘which, what sort of’, as in (4)–(6):

2. Origin and structural development of the WNC

This paper offers a mostly qualitative descriptive description and analysis of the origin, development, structure, and function of this “peculiar kind of appositive clause”, the which-plus noun construction (WNC). In the first part, the origin and development of the WNC plus noun construction will be outlined, followed by a detailed description of the structural background. The third part looks at the functions which the WNC can fulfil in actual discourse. It will be suggested that the WNC finds its main uses in information packaging (hearer-based economy and speaker-based rhetorical strategies, e.g. the presentation of information as given) and in organising discourse (as healer/guidance).

Which may be used as an adjunct. This is never found in restrictive relative clauses, but only in a peculiar kind of appositive clause; very often the clause is at some distance from the antecedent, and some substantive is repeated so as to avoid any doubt as to what word is to be taken as the antecedent. This is only literary, but at best it is a rather clumsy device and is avoided by many writers.

of the English Language (henceforth CGE) (Huddleston & Pullum 2002: 1043f) refers to it as “determinative” rather than pronominal, and the Shorter Oxford English Dictionary (1973, which): “Rel. adj. 6. Introducing a clause and qualifying a noun or noun phrase to add esp. summing up the details of the antecedent in the preceding clause or sentence.” The perhaps most detailed comment comes from Otto Jespersen:

a simple genitive structure (11).

Example (10) obviously illustrates the construction which is at issue here. The exem-

(Wyclif, Early Version, Mk: vii 25)

"A woman, whose daughter had an unclean spirit, entered"

a woman which woman's daughter had an unclean spirit, entered

(10) a woman ... which woman's daughter had an unclean spirit, entered

Example (10) is taken from the Wyclif's bible translation.

Note, however, that direct syntactic borrowing seems to be rather unlikely in this case.

(Caesar, *De bello civili*: I.12)

"To Auximum he proceeds, which city Attius held"

To Auximum procecds; which city Attius held.

(9) Auximum proficisciuit; quod oppidum Attius ... tenebat.

A similar phenomenon in Latin is the *Relativus Satzanzuschluss*:

(Caesar, *De bello civili*: I.44)

"they are gready influenced by the methods of the country"

"as it usually happens that when troops have spent a long time in any district

so that often of the regions custom he is influenced

ut multum earum regionum consuetudine moveatur.

As it usually happens, in which places troops will have spent a long time

(8) Quid feret, quibus quisque in locis miles inveteravit,

hyponymy:

Alternatively, the antecedent could be taken up again through a near synonym or

River Rhone"

"They determined a day, on which day they should all come together on the

a day determined, on which day on the River Rhone all should come together.

(7) diem dicunt, quia die ad ripam Rhodani omnes conveniant.

antecedent in the relative clause itself (see Menegh 2001; Allen et al. 2002:§307):

Latin. One structural possibility (and rhetorical strategy) in Latin was to repeat the quotation in the OED comes from 1175) and even perhaps under the influence of

all likelihood, took place during the (early) Middle English period (the first WNC similar construction) of which plus over heard noun (WNC). This development, in the Middle English (ME) developments of both proper relative pronouns and the "pe-

What this amounts to is that in OE there were indeed the structural prerequisites for

(Bede's Account of the Poet Caedmon, Whitelock X, 107)

"Which need do you have for the Eucharist?"

Which need is you Eucharist?

(6) *Hwyl þearf is ðe hysles?*

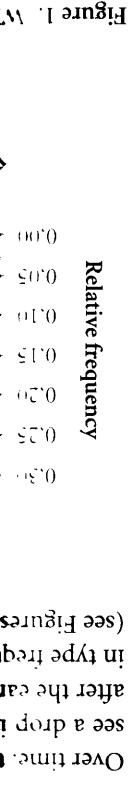
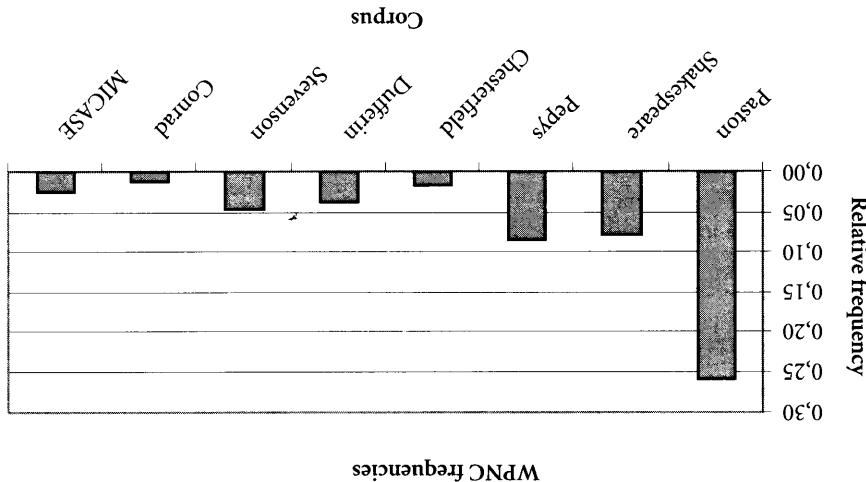


Figure 1. WNC frequencies (see Table 1 in the data Appendix)



(see Figures 1 and 2 below and Tables 1 and 2 in the Appendix). Over time, two parallel processes may be observed, however. On the one hand, we can see a drop in overall token frequency, i.e. the WNC in general becomes much rarer in type frequency, i.e. the number of possible head nouns is drastically limited in PDE after the early Modern English period. On the other hand, we also see a sharp decline (see Figures 1 and 2 below and Tables 1 and 2 in the Appendix).

(Shakespeare, Merchant of Venice: IV.1)

In which predicament, I say, thou stand'st.

Of the duke only, *against all other voice.*

(21) And the offender's life lies in the mercy

I see thy age and dangers make thee dote. (Shakespeare, Comedy of Errors: V.1)

During which time he never saw Syracuse;

Have I been patient to Antipholus,

(20) I tell thee, Syracuse, twenty years

in a moment threw him

(Shakespeare, As You Like It: I.2)

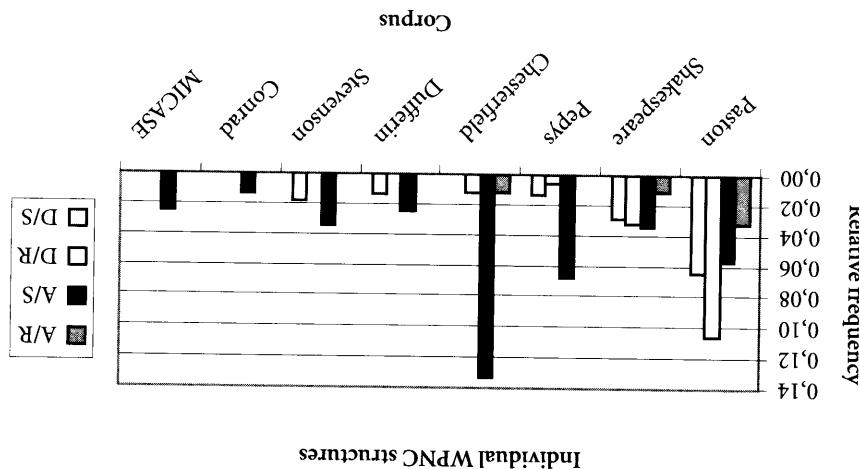
(19) The eldest of the three was led with Charles the Duke's wrestler, which Charles

name!); while (20)–(21) show summarising or paraphrasing WNCs:

Modern English period. (19) shows the repetition of the antecedent (even a proper noun previously mentioned) and the speaker rather trusts in this particular relation than reporting it this relation, and the speaker rather trusts in this particular relation than quite complex states may be summarised or topicalised. In this case, the summarising is paraphrased (*'shall wedde'* > *for which marriage*), while (18) exemplifies that even guards the summarising structures, (17) shows how some process or verbal situation

(26) The late Middle English Paston Letters (ed. by Davis 1971) with roughly 245,000 words in total contain about sixty-four occurrences of WPNCs (i.e. 2.61 per thousand words), including six with the head noun time and four with the head noun letter (words), including six with the head noun time and four with the head noun letter (words), including ten occurrences – and place – three occurrences). The Diary of Samuel Pepys (1659–1669), with roughly 370,000 words, contains 32 (or .086 per thousand words) WPNCs with more than 25 different head nouns. Surprisingly, about a hundred years earlier, in the letters by Lord Chesterfield to his son, written between 1748 and 1771, we find 13 WPNCs in 83,000 words (.157 per thousand); four of these occur with reading, two with time. And we still find quite a number of occurrences of WPNCs between 600 and 1900 (all of the following examples are quoted from Jespersen 1927:§6.5.1, his shoes (John Bunyan, Pilgrim's Progress: I,4, 1675) he takes any person of quality up to the said scaffold, which person pulls off (Johnathan Swift, Works: I,264, 1735) I happened upon a name, a family of which name Iived at Hадley (Damiel Defoe, Moll Flanders: Ch. 48, 1722) He rode twenty miles to see her picture in the house of a stranger, which stranger politely insisted on his acceptance of it (William Cowper, Letters: I,212, 1912) the application of the moral (which said application she was old enough to have made herself) (Charles Lamb, Rosamund Gray: Ch. 2, 1798)

Figure 2. Individual WNC structures (see Table 2 in the data Appendix)



- (27) Young woman with a weddimg-ring and a baby which baby she carried about her when serving at the table (Arnold Bennett, *The Pretty Lady*: 309, 1918)
(28) I continued about a year; all which time our neighbours did take me to be a very goodly man
(29) a fortnight; during which time the Emperor gave orders to have a bed prepared for me (Jonathan Swift, *Gulliver's Travels*: 1.2, 1726)
(30) By we I mean the bonne, the cook, the portress, and myself, all which person-ages were now gathered in the small chamber
(31) He had hired a vessel to convey him to Constantinople, for which city he should sail in a few hours (Mary Shelley, *Frankenstein*: Ch. 14, 1818)
Evidently, (22)–(27) are examples of rather archaic repetitive WNCs, while (28)–
(31) illustrate the perhaps more modern pattern of summarising or paraphrasing head nouns. Today, however, the construction is hardly ever acknowledged, or at best pecu-
liar. The *Letters from High Latitudes* by Lord Dufferin (c. 1856) only contain three WNCs in c. 80,000 words (0.375 per thousand); in Robert Louis Stevenson's *Vailima Letters* (1890–1894) with roughly 85,000 words, there are merely four WNCs (0.47 per thousand words), albeit with four different nouns (to which society, in which case,
for all which metrics, to which class of exploit). Joseph Conrad's *Notes of Life and Letters* (1921) have only one occurrence (in which case) in c. 80,000 words. This seems to suggest that dramatic changes must have occurred in the eighteenth and early nine-
teenth century. In the native speaker part of the *Michigan Corpus of Academic Spoken English* (MICASE) we find 37 (.0248 per thousand) occurrences of WNCs, albeit ex-
clusively in the collocations in which case (28), at which point (7), and at which time (2). A quick search in some of the major corpora of PDE shows similar results. For the probably most frequent WNC in PDE, the *Brown Corpus* (c. 1 million words each) and the *LCC* (c. 440,000 words). There were 895 occurrences in the *BNC*, a 100 million word corpus of spoken and written English. The *LCC* contained slightly more occurrences than the other corpora, which might be due to the fact that it is, just like the *MICASE*, a corpus which exclusively contains spoken English – but this question and argues that the repetition of the antecedent in PDE, as in (32), is actually “quite rare and formal, verging on the archaic” (1044).
- (32) They refuse to support the UN's expenses of maintaining the UN Emergency Force in the Middle East as buffer between Egypt and Israel, and the UN troops in the Congo, which expenses are not covered by the regular budget.

relations in the processing of these relations is equally or even more important. In demands placed on working memory by different numbers of syntactic and semantic versa (cf. Hartman 1983, 1985). However, Hawkins (2001) has shown convincingly that iconicity it would seem that conceptual proximity feeds linguistic proximity and vice the most frequent form – see Table 2. This is of course easy to account for. In terms of local/adjacent and summarising (e.g. *in which case, at which point etc.*), seems to be have occurred, so that today, while all forms are still in principle possible, example b, types (a–d) in Table 3 can be found. Over time, a gradual loss of possibilities seems to English and Early Modern English periods, used the WNC *excessively*, so that all four As has also been pointed out above, earlier English, particularly the late Middle English as well as in the WNC matrix (Table 3).

WNC may summarise or paraphrase the antecedent. These two axes are visualised in other hand, the antecedent may either be repeated verbatim or the head noun in the in Lenk's distinction between local and global discourse markers, see below). On the antecedent may be adjacent to the WNC, or it may be further away (this is reflected WNCs: Distance of the antecedent and type of antecedent. On the one hand, the As has already been mentioned above, two different factors feature in the use of

3. Structure(s) of the WNC

will therefore be the topic of the following section.

be found, albeit infrequently in present-day corpora. Structural differences in WNCs chaotic today, while certain summarising adjacent WNCs (e.g. *in which case*) can still long distance WNC, as in (23) above, appears to be almost impossible or at least arbitrary. The repetitive certain structural sub-types were more subject to change than others. That over time certain have been observed (see Section 4 below). It appears, nevertheless, that over time inter/generic differentiation, no significant changes in the function of the WNC over token frequency can be observed, and it might be speculated about concomitant register/token frequency can be observed, that, while dramatic changes in type and It should be noted at this point, however, that, while dramatic changes in type and

(35) the party challenging the decision was not present or represented when the date decision was pronounced, *in which case the time-limit shall run from the date on which the challenging party is notified of the oral decision.*

(34) The Rubidium clock should be ready for qualification by the mid 2002, by which time an emerging model of the Hydrogen maser should also be available.

(33) Take Highway 101 to Palo Alto, and exit on University Avenue West. Take University across El Camino Real, *at which point it becomes Palm Drive*, and you will be on Stanford's campus.

Thus, in present-day English, only *at/by/during which time, in which case, at which point* seem perfectly all right, albeit not too frequent in general:

- (d) [[which Θ_i] [she carried around t_i]].

Example (a) is the underrlying declarative structure, example (b) represents what can be seen in partly transformed intonation questions, while (c) exemplified the WNC as it was used in (27) above. Normally, however, the head noun or any other complete sentence is deleted in this process, so that 'proper' modern structures can be generated:

- (a) [she carried around [a (big) baby]]
(b) [she carried around [which (big) baby]]
(c) [[which (big) baby]] [she carried around [it]].

Apart from these semi-functional factors, we need to take some formal-structural reasons for the developments into account, too. From a purely formal-structural point of view it has been claimed that present-day (standard) English is subject to a (generalised) doubly-filled COMP filter: "No projection may have both an overt specifier and an overt head at the end of the derivation" (Koopman & Sportiche 2000: 40). This filter rules out structures such as *which that, for that, etc.*, and it could also cover the WPN^c, which may be derived as follows:

the present case this means, without going into technical details, that with large(r) distances in the sentence – or even in the discourse! – both hearers and speakers would find it increasingly difficult to create and parse the anaphoric relationships, especially if the referring expression is only summarising the entities previously mentioned. Thus, while type (c) may be useful in ending a digression, establishing common ground again and continuing the conversation, type (d) increases the danger of misunderstandings and puts great cognitive strains on both speakers and hearers (note that the very high frequency of (d) in Shakespeare might be accounted for by referring to poetic, rhetorical, and aesthetic principles and functions).

Antecedent	Distance	SUMMARIZED	REPETEDED	ADJACENT / LOCAL	DISTANT / GLOBAL
(a) Were it not that I have bad dreams – <i>Which</i> dreams indeed are ambition (Shakespeare)	(a)				
(b) The inhabitants of the more temperate regions would at the same time travel southward, unless they were stopped by barriers, <i>in which</i> case they would perish. (Darwin)					(c)
(c) he takes any person of quality up to the said scaffold, <i>which</i> person pulls off his shoes (Swift)					(d)
(d) And the offerer's life lies in the mercy Of the duke only, gainst all other voice.					(e)
(e) In <i>which</i> predicament, I say, thou stand'st; (Shakespeare, MOV)					

Table 3. Constraint matrix of WPNCs

Coming back to constraints on the WPNc and the history of English: just as the Doublet-filtered COMP filter appeared, English also seems to have developed some functional surface rules and principles under the pressure of standardisation (cf. Milroy & Milroy 1999; Stein & Tieken 1994; Chehshire & Stein 1997). One of these principles is „No double surface realisation“ (Stein 1997:38). It may be argued that the WPNc is somehow redundant double surface realisation (just like *which* that, Stein 1997:39) and that it is also reminiscent, to a certain extent and certainly counteractually (see above), of overt orality („Avoidance of perceived oral provenience“, Stein 1997:39). This perceived conceptual orality is further underlined by a third factor: the WPNc is functionally related to prototypical discourse-pragmatic markers (e.g., *so, well, like*), as will be shown in the next section. The ideology of written language, partly because these are associated with the organisation of spoken discourse (avoidance of orality), but also because discourse-pragmatic markers can be considered „essentially interactive“ (Stuhbs 1983:70, cited in Britton 1996:31). As interactive devices they belong to the emotive, epistemic aspect of communication and are thus for elegant, written language – despite the fact that these structures first occurred in out constructions such as *which baby* in the ideological motivationally root Stein 1997:40). These are some of the factors and principles which systematically root (to be) avoided in educated, polite discourse („Emotional meanings are dispersed“; Stuhbs 1983:70, cited in Britton 1996:31).

Nonrestrictive clauses allow relative expressions of the form *which N*, because NP of the form [Det N] can be used напхорically with an antecedent in a separate sentence. If formation of the non-restrictive clause converts as much as possible of the coreferential constituent into a correspondence Wh-word, this will yield such expressions as *which unlikely spot* in such cases. By contrast, in the structure underlying restrictive relative clauses, the relative pronoun corresponds to a pronoun that makes up the whole NP, and thus no noun is available to remain in the relative clause. This has the effect that the relative clause cannot constitute an unanalyzed lexical expression.

The WPNc, from *which unlikely spot*, obviously cannot constitute an unanalyzed lexical expression. How this can be unified with an active Doublet-filtered COMP filter must remain a question unanswered for the time being. Suffice it to say that McCawley (H.-L. Mencken, Diary, editors note, quoted in McCawley 1998:445) commented on this phenomenon thus:

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McCawley (1998:453) goes on to say that McCawley (1998:453)

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(36) William Allen White spent virtually his entire life as publisher and editor of the Emporio (Kansas) Gazette, from *which unlikely spot* he radiated an enormous influence on both journalism and politics.

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2001). Note, however, that this still does not explain occurrences such as (36):

might be argued that they constitute unanalyzed (‘fossilised’) constructions – lexical expressions – which need not be derived but are simply inserted as a whole (cf. Wray 2001). Note, however, that this still does not explain occurrences such as (36):

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Parts 2 and 3 and from a broad perspective to investigate how this has affected the development of the English language. In terms of information management, this has led to the establishment of a similar system to that in the United States, where the term ‘information management’ is used to refer to the systematic collection, storage, retrieval, and dissemination of information. This has led to the establishment of a similar system to that in the United States, where the term ‘information management’ is used to refer to the systematic collection, storage, retrieval, and dissemination of information.

Information management is a broad field that includes the design, implementation, and evaluation of systems for managing information. It involves the use of various technologies, such as databases, data mining, machine learning, and natural language processing, to extract meaningful information from large amounts of data. Information management is essential for many industries, including finance, healthcare, retail, and manufacturing, as well as government and research organizations. It is also becoming increasingly important in the field of artificial intelligence, where the ability to process and analyze large amounts of data is crucial for developing effective AI systems.

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(41) ... Montaigne, to which gentle author he had been recommended by Fortin-
bras. (William Locke, *The Wonderful Year*; 83, 1916)

The difference between a WNC and its corresponding PDE paraphrase:
nected to the first one. Jespersen quotes the examples in (41)-(42) to illustrate the
The second consideration, the role (and use) of presuppositions, is closely con-
nected to the first one.

The variable *x* is thus both established and filled in the first part of the utterance. In
the second part, it is additinally classified as a suggestion (in contrast to a question
or statement, for example).

(40) I said *x* ('it might be more efficient to hold the meeting on Saturday morn-
ing'); they all enthusiastically endorsed suggestion *x*.

The CGEL comments on this and says that (39) may be aptly described with a double-
variable gloss as in (40):
(CGEL: 1043, ex. [25ii])

(39) I said that it might be more efficient to hold the meeting on Saturday morn-
ing, which suggestion they all enthusiastically endorsed.

This has the advantage for the speaker that some communicative ground may first be
established before it is actually modified. However, as far as can be determined in a
basically non-quantitative approach, speakers rarely make full use of this possibility.
Most WNCs examined for this paper turned out to be simple and unmodified, with
few exceptions where one or two adjectives were inserted (36)-(38). In terms of perfor-
mance, this construction also allows for the elegant introduction of afterthoughts. In
a similar vein, the CGEL points out that WNCs can convey additional, interpretative
meaning, as, for example, in (39):

(38) He tells me how Mr. Henry Howard of Norfolk hath given our Royal Society
(Shakespeare, *All's Well That Ends Well*; IV.3)
all his grandfather's library: which noble gift they value at £1,000.

(37) Her presence is a pilgrimage to Saint Jacques le Grand; which holy undertaking
with most austere sanctimony she accomphished

In terms of information packaging, WNCs allow for the addition of post-hoc
information on an already established referent:
large, it will look at information packaging, the role of presuppositions, and discourse
management.
to investigate the different functions that these constructions can have. In particu-
lar, it will look at information packaging, the role of presuppositions, and discourse
from a broadly qualitative point of view. This section uses a form-function approach
Parts 2 and 3 of this paper described the origin, development and structure of WNCs
from a broadly qualitative point of view. This section uses a form-function approach
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management.

4. Function(s) of WNCs

With the repetition of the head noun, (43) looks very much like an ordinary appositive relative clause – out of a set of possible, discourse-old referents one is singled out, repeated, focused and thus made into the topic of the following sentence or stretch of discourse. Simultaneously, the object of the preceding clause (prototypically discourse-new information) is used either as subject or at least in subject position in the new clauses. The subject position is generally considered to be the place for discourse-old information (cf. Prince 1981). In such a way it becomes very and convenient for the speaker to create a peg for the following message and even reinforce this for discourse-new information.

(44) ... young woman with a wedding-ring and a baby. As for the baby, she carried it about her when serving at the table
(Arnold Bennett, The Pretty Lady: 309, 1918)

(43) ... young woman with a wedding-ring and a baby, which baby she carried about her when serving at the table
(Arnold Bennett, The Pretty Lady: 309, 1918)

To a certain extent it thus functionally resembles the sentence-initial as for construction:
(Halliday 1970: 161)

as it were the peg on which the message is hung, the rhyme being the body of the poem in the complex notion of subject, namely the psychological subject; it is as if we were the peg on which the message is hung, the rhyme being the body of the message.

The English clause consists of a 'theme' and a 'rheme'. The theme is another component in the complex notion of subject, namely the psychological subject; it is a metaphorical element, referring back to some previously introduced antecedent. At the same time it also creates a new starting point for the following message, which can, but need not be contained in the same sentence. As the latter, it is identical with the theme of the clause in a Hallidayan sense:

(42) would "presuppose ignorance as to existence of such an author on the part of the reader", while the original utterance (41) does not.
 The utterance in (42) does not presuppose the existence of Montaigne and also does not present his authorship and genius as given, but rather makes an overt assertion about this state of affairs. Thus, both the noun and the qualification are indefinite and discourse-new and therefore available for dispute. Jespersen (1927: 126) remarks that (42) would "presuppose ignorance as to existence of such an author on the part of the reader", while the original utterance (41) does not.

In (41) the aforementioned referent, Montaigne, is 'summarised' or paraphrased by the (more general) head noun *author* (semantically a hyponym of the antecedent). The determiner *which* makes the NP as a whole definite and signals an established, discourse and hearer-old (presupposed) referent. At the same time, the modification of this head noun, *genius*, is also added and thus presented as given, together with the head noun. On the whole, this must be seen as a means to 'steal in' referents as presupposed or given. The paraphrase in (42) shows some functional differences:

(42) ... Montaigne, a genial author to whom he had been recommended by Fort-

inbras.

From a discursive-pragmatic point of view, which plus noun constellations may also be described as some sort of discursive-pragmatic marker (cf. Schiftelin 1987; Britton 1996; Jucker & Ziv 1998; Lenk 1998), despite the fact that they do not meet many of the established structural criteria for more prototypically discursive markers (see Jucker & Ziv 1998:3): they can „express the relation or relevance of an utterance to the pre-existing utterance or to the context“ (Britton 1996:30), they can „prepare listeners for the next turn in the logical argument“ (Keller 1979:220, cited in Britton 1996:30), they can „help the speaker to divide his message into chunks of information and hence ... also help the listener in the process of decoding these information units“ (Ferman 1986:146, cited in Britton 1996:31), they can „indicate ... how the utterance that contains them is a response to, or a continuation of, some portion of prior discourse“ (Levinson 1983:88, cited in Britton 1996:31) and so on (see Britton 1996:30f. for many more details on this point). The WPNC is one device that guides hearers through their interpretation in that it anaaphorically points back to some established referents and creates a peg or starting point for the new message (relation and relevance). At the same time it helps speakers to add some information to previously established referents, perhaps hide some presuppositions (a structural function), and to create both coherent and cohesive text (Halliday & Hasan 1976). As a discursive-pragmatic ence and cohesion in their texts (Halliday & Hasan 1976). As a discursive-pragmatic marker, it lies in the middle of the retrospective - prospective continuum introduced by Lenk (1998:211). It is certainly retrospective - prospective in that it anaaphorically refers back to some previously mentioned discourse referent - either explicitly through repetition or implicitly through summarising generalising. But at the same time it is also prospective in that it marks the end of one topic and the beginning of a new one. A second distinction which has already been discussed in the context of structure above is the iconicity based? dichotomy of local versus global discourses relations and markers:

(47) He rode twenty miles to see her picture in the house of a stranger. This stranger politely insisted on his acceptance of it

insisted on his acceptance of it

(46) He rode twenty miles to see her picture in the house of a stranger, who politely
(William Cooper, Letters: 1.212, 1912)

stranger politely insisted on his acceptance of it

(45) He rode twenty miles to see her dictate in the house of a stranger, which
demonstrative pronoun:
either a simple relative pronoun (e.g. *who*) or by using two separate sentences and a
relative construction is easily replaceable by — though not linguistically equal to —
communicaive purposes by using demonstrative *which*. Note also that in these sim-
ple uses the construction is —

This paper has tried to trace the origin, development, structure, and use of the *which* noun construction in English from a qualitative point of view. It has been argued that the construction, in all likelihood, originated in the early Middle English period, plus noun construction, in Latin, and that it had its heyday in the late Middle English period, under the influence of Latin, and that it has been argued that the Doublet COMPl filter and early Middle English period, with both a high type and token frequency. With the onset of the Doublet COMPl filter and under the pressure of standardisation ideologies, a reduction in overall token frequency took place, as well as a reduction in type diversity. In other words: the construction in general has become rarer and the choice of possible head nouns has been drastically reduced, at least from the early nineteenth century onwards. Today, it seems to be limited to academic, at least from the early (lexical-formal) expressions such as *in which case*. From a functional point of view (lexical-formal) expressions such as *in which case*, it has been demonstrated that *which* is indeed a very polyfunctional and multifaceted element. Apart from its obvious uses in questions and ordinary relative clauses, its determining form is used both cognitively and rhetorically for information structures and both speakers and hearers as it allows for both easy production and processing. Future studies in the typology of standard and non-standard languages (cf. Andewald & Kortmann 2002) will have to show in how far other languages employ similar constructions. Future detailed quantitative corpus studies of spoken and written historical structures. Future detailed quantitative corpus studies of spoken and written historical structures. Future detailed quantitative corpus studies of spoken and written historical structures. Future detailed quantitative corpus studies of spoken and written historical structures.

5. Summary and conclusion

Like Octavia, uses this background effectively and moves the issue to the floor by using structural device or discourse marker. This would have interesting consequences for the classification of the WNC as discourse the WNC over time could be observed: should significant changes be uncovered, this has been pointed out above (see Section 2), no significant changes in the function of thus enabling the speaker to put full weight on the relevant discourse dynamics. As information, discourse and hearer-old, as a starting point for a whole new message, through the following message. In other words: it establishes common ground, given and thus structuring discourse, but also as a deictic element which guides the hearer may be described as a discourse marker in a wider sense, demarcating single turns, the right noun in his turn-opening WNC. In all these instances, the construction like Octavia, uses this background effectively and moves the issue to the floor by using

Data appendix

Table 1. WPNc frequencies

Data	Period	Words	Occurrences	Occurrences per thousand words
Pastor	1421-1503	245,000	64	.260
Shakespeare	1590-1613	884,647	70	.079
Pepys	1659-1669	370,000	32	.086
Chestefield	1748-1771	83,000	13	.160
Dufferin	1856	80,000	3	.038
Stervenson	1890-1894	80,000	4	.047
Conrad	1921	80,000	1	.013
MICASE	1997-2001	1,490,174	37	.025

Table 2. Individual WPNc structures (normalised frequencies per thousand words, total in brackets)

Data	Adjacent and repeating (a)	Adjacent and summarizing (b)	Distant and summarizing (c)	Distant and summarizing (d)
Pastor	.033 (8)	.057 (14)	.106 (26)	.065 (16)
Shakespeare	.011 (10)	.035 (31)	.003 (3)	.029 (26)
Pepys				
Chestefield	.012 (1)	.133 (11)	.012 (1)	.014 (5)
Dufferin				
Stervenson				
Conrad				
MICASE				

Notes

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- Tatilani: cercavo una ragazza, [con la quale ragazza] uscire a cena
Dutch: I was looking for a girl, [with the which girl] to go out for dinner
Ioop kreeg van ons een horloge, [met welk cadeau] hij erg gelukkig was
Whether this pattern can also be explained by Latin influence (an areal phenomenon); cp. Blatt
1957) remains to be seen, particularly as the WPNC also seems to be common in spoken, non-standard, archaic Russian and Bulgarian (Tania Kuteva, p.c.).
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