Relativization and DP Structure in Late Archaic Chinese

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Abstract

Late Archaic Chinese employed two morphemes in the formation of subject relative clauses. *Zhi* 之 acted as the linking element in headed relative clauses, while *zhe* 者 formed headless relatives. The main claim of this paper is that the two morphemes, ZHI and ZHE, occupy different positions in the noun phrase structure. Primary evidence comes from the fact that the two could co-occur, indicating that are not in complementary distribution and must be located in different structural positions. Supporting evidence is provided by the fact that the two had different functions. For instance, ZHI could select a possessor, while ZHE could not. I further show that ZHI occupied a higher structural position than ZHE. The analysis I propose is that ZHI is the head of the full DP projection, selecting possessors and marking definiteness. ZHE is located in a lower determiner position, *n*, whose main function is to mark specificity. This paper further suggests that although the morphemes ZHI and ZHE were subsequently lost or replaced through diachronic change, the distinct positions and functions are retained in some modern Sinitic varieties.

Keywords

Late Archaic Chinese, relative clause, DP structure

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1. Introduction

In Modern Mandarin, both headed and headless relative clauses are formed by placing the functional morpheme de id after the modifying clause. In headed relatives, the head NP follows DE.

(1)	a. [[Zai	nabian	kan	shu]	de	ren]	shi	xuesheng.	
	at	there	read	book	DE	person	COP	student	
	'The person reading a book over there is a student.'								
	b. [Kan	zazhi]	d	e] sh	ni	laoshi.			
	read	magazin	e D	E CO	OP t	eacher			
	'The one reading a magazine is a teacher.'								

In contrast to this, Late Archaic Chinese of the 5th to 3rd Centuries BCE exhibited an asymmetry between headed and headless relative clauses. The linking element in headed relatives was *zhi* 之, while headless relatives were followed by *zhe* 者.

(2)	a. 豈若從避世之士哉。)		
		qi	ruo	cong	[[bi	shi]	zhi	shi]	zai.
		how	like	follow	escape	world	ZHI	scholar	EXCL
	'How could that compare to following a scholar who escapes from the wo							pes from the world?'	
	b. 夫執輿者為誰?)		
		[Fu	[zhi	i y	/u]	zhe]	wei	shei?	
		DEM		trol c	carriage	ZHE	COP	who	
		DEM	con	uloi (annage	LIIL	COI	WIIO	

Given the fact that the two functions are performed by a single morpheme in Modern Mandarin, coupled with the phonetic similarity between ZHI and ZHE, one might arrive at the hypothesis that ZHI and ZHE are in complementary distribution and are different spell-outs of the same functional head, depending on other structural factors. Following Kayne (1994) and the application of this approach to Chinese by Wu (2000), Simpson (2001), and Simpson and Wu (2002), we could propose that both ZHI and ZHE are spell-outs of a feature bundle in D which selects a CP relative clause. The head NP in the relative clause moves to [Spec, CP], and the remnant TP then fronts to [Spec, DP], leaving the head nominal stranded below D. Following this, vocabulary

insertion in the Morphological Component (in the theory of Distributed Morphology as proposed by Halle and Marantz (1993), Harley and Noyer (1999), and others) determines whether D is spelled out as "zhi" or "zhe". Specifically, "zhi" is inserted for D if both the specifier and complement contain overt material. "Zhe" is inserted if only one of these is filled.



In this paper, I reject the approach in (3), arguing instead that ZHI and ZHE occupy different positions within DP rather than being in complementary distribution. Only ZHI is located in D, while ZHE occupies a lower determiner position n (Aldridge 2009). n selects the relative clause, which is a TP (and not a CP). This analysis captures the fact that relative clauses in Archaic Chinese were not finite CPs but nominalizations. In other words, they were mixed projections in the sense of Abney (1987), Borsley and Kornfilt (2000), Baker (2005, 2011), Grohmann and Panagiotidis (2009), and others, with a nominal layer consisting of DP and nP dominating the TP.¹ Both the relative clause and the head nominal are merged within this projection. n acts as the operator binding the gap position in the clause.² Consequently, nP is the locus of relativization. If an external head appears, this DP is merged in the specifier of nP and can provide external reference for the operator. ZHI occupies the head of DP. In a headed relative clause, the TP is fronted to [Spec, DP]. After the structure is sent to the

¹ The reader is referred to Aldridge (2013) for in-depth discussion and analysis of Archaic Chinese relative clauses as nominalizations.

² See Basilico (1996) for a similar proposal in which a determiner acts the binding for the variable position within a relative clause.

Morphological Component for vocabulary insertion, the *n* head is spelled out as "zhe" if its complement position contains overt material, i.e. if TP has not fronted. Otherwise, *n* will be spelled out as null.



The analysis in (4) makes a number of predictions which distinguish it from (3). I demonstrate in section 2 that these predictions are indeed borne out. First, since ZHI and ZHE are instantiations of different feature bundles, they have distinct functions. Secondly, since ZHI and ZHE do not occupy the same position, they are not in complementary distribution and are able to co-occur. Finally, I also present evidence that ZHI is located in a structurally more prominent position than ZHE. In section 3, I discuss diachronic changes and offer evidence for the preservation of the two positions within DP in some modern varieties of Chinese.

2. Differences between ZHI and ZHE

In this section, I show that ZHI and ZHE have different functions and occupy different positions. I also offer evidence that ZHI occupies the structurally higher D position.

2.1. Functional difference between ZHI and ZHE

In this subsection, I show that ZHI and ZHE have different functions. Specifically, ZHI was used to mark possession, but this was not possible for ZHE. In (5) ZHI appears between the possessor and possessum. There are no examples of the sort shown in (5c) in Late Archaic Chinese in which ZHE is immediately preceded by a possessor.

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(5) a. 文王之囿方七十里。
                                               (Mencius, Liang Hui Wang 2)
       \begin{bmatrix} DP \\ Wen \\ Wen \\ Wang \\ zhi \\ \begin{bmatrix} NP \\ VOU \end{bmatrix} \end{bmatrix}
                                               fang
                                                       qishi
                                                                li.
          Wen king ZHI
                                   park
                                               square 70
                                                                neighborhood
       'King Wen's park was as big as 70 neighborhoods (70 square li).'
     b. 枉道而事人,何必去父母之邦。
                                              (Analects, Weizi)
       Wang dao
                                      shi
                             er
                                               ren,
       bend
               principle
                             CONJ
                                      serve
                                               person
       he
               bi
                             \int_{DP} fumu
                                         zhi [_{NP} bang]?
                      qu
       what need leave
                                parents ZHI
                                                   land
       'If (I) bent my principles to do my duty, then what need would there be to
       leave the land of my parents?'
     c.* 文王者
       Wen wang zhe
       Wen king
                      ZHE
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'King Wen's'

The lack of possessor constructions involving ZHE cannot be attributed to an inability of ZHE to select a nominal complement. Much of the basis for Aldridge's (2009) claim that ZHE, like ZHI, is a type of determiner comes from the fact that it could in fact select a nominal complement, typically an NP (or NumP).

(6)	a. 願君去此三子者也。	(Hanfeizi 36)					
	Yuan jun qu [_{DP} ci	$\begin{bmatrix} nP \\ NP \end{bmatrix}$ san zi zhe] ye.					
	desire lord dismiss this	3 man ZHE NMLZ					
	'(I) hope your lordship will dismiss these three men.'						
	b. 良人者所仰望而終身也。	(Mencius, Lilou 2)					
	$[_{nP} [_{NP} \text{ liangren}] \text{ zhe}]$ suo	yangwang er zhongshen ye.					
	husband ZHE REL	look.up.to CONJ lifelong COP					
	'A husband is someone we sl	hould look up to our entire lives.'					

The function of ZHE when it selected a nominal complement was not to bind a syntactic gap to form a relative clause. Rather, ZHE was the semantic binder for the variable introduced by the predicate NP, a role analogous to that attributed to determiners in the DP hypothesis of Szabolcsi (1983), Abney (1987), Longobardi (1994), and many others. Aldridge (2009) proposes that the specific function of ZHE as a determiner is the role of individuation, which Cheng and Sybesma (1999) attribute to classifiers in Modern Mandarin. Consequently, ZHE did not select a possessor because this DP is a saturated category and did not supply a variable which could be bound by ZHE.

In sum, only ZHI was used to mark possessors, while ZHE lacked this function. This lack of overlap in function suggests that ZHI and ZHE were not different phonetic realizations of the same feature bundle. Rather, ZHI and ZHE occupied different structural positions as different morphosyntactic feature bundles.

2.2. Co-occurrence of ZHI and ZHE

In this subsection, I show that ZHI and ZHE could co-occur, indicating that the two morphemes were not in complementary distribution and had to have occupied different structural positions. First, the examples in (7) show that a headless relative clause formed with ZHE can be possessed. The possessor is marked with ZHI.

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(7) a. 晉之從政者新,未能行令。
                                                  (Zuozhan, Xuan 12)
        \begin{bmatrix} DP & Jin & zhi \end{bmatrix} \begin{bmatrix} PP & cong \end{bmatrix}
                                           zheng] zhe]] xin
           Jin ZHI
                                           power ZHE
                              exercise
                                                             new
        wei
                   neng xing
                                      ling
        not.yet
                  can
                           execute
                                      order
        'The commander of the Jin (forces) is new; (he) is not able to have his
        orders carried out.'
     b. 王之為都者,臣知五人焉。
                                                  (Mencius, Gongsun Chou 2)
                      zhi \begin{bmatrix} nP \end{bmatrix} \begin{bmatrix} NP \end{bmatrix} wei
        [DP Wang
                                             du]
                                                         zhe]]
            king
                      ZHI
                                   govern province ZHE
        chen zhi
                       wu ren
                                        yan.
        I
                know 5
                             person
                                        therein
        'Of your majesty's provincial governors, I know five.'
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Temporal and locative constituents can also fill the possessor position, occurring to the left of the linker ZHI. ZHE again follows the clause.

(8) a. 守先王之道以待後之學者。 (Mencius, Teng Wen Gong 2) shou xian wang zhi dao observe ancient king ZHI principle yi dai $\int_{DP} hou$ **zhi** $\begin{bmatrix} n^{\text{P}} \end{bmatrix} \begin{bmatrix} T^{\text{P}} \\ T^{\text{P}} \end{bmatrix}$ zhe]] С future ZHI study ZHE await '(He) observes the principles of the ancient kings in order to await future scholars.' b. 夫傳兩喜兩怒之言, 天下之難者也。 (Zhuangzi, Renjianshi) Fu chuan liang xi liang zhi nu yan, DEM transmit both joy both ZHI word anger [DP tianxia **zhi** $\begin{bmatrix} nP \end{bmatrix} \begin{bmatrix} TP \end{bmatrix}$ nan zhe]] ye. difficult ZHE COP world ZHI 'Transmitting words or joy and anger from both sides is one of the most difficult things in the world.'

The external position of the possessors in (8) is emphasized by the contrast with examples like (9), in which a temporal modifier appears inside the relative clause and lacks genitive marking by ZHI. This results in a low scope interpretation for the adverb.

(9) 天之將喪斯文也,後死者不得與於斯文也。 (Analects, Zihan) Tian zhi jiang si sang wen ye Heaven Gen will extinguish this culture NMLZ si] **zhe**] bu de yu yu $\int_{nP} \int_{TP} hou$ si wen ye. later die ZHE not can be with this culture COP 'If Heaven intends to extinguish this culture, then those who will die later will not be able to have contact with it.'

(10) shows a construction which was common in Late Archaic Chinese but which is lacking in Modern Mandarin. The head nominal appears to the left of the clause. The linker ZHI intervenes between it and the clause, and ZHE follows the relative clause. On the analysis proposed in (4), the head NP moves from its base position in [Spec, nP] to [Spec, DP]. TP remains in the complement position of nP. This construction has distinctive interpretative characteristics which I discuss in the next subsection.

 (10) 馬之死者已過半矣。
 (*Zhuangzi*, Mati)
 [_{DP} ma zhi [_{nP} [_{TP} si] zhe]] yi guo ban yi. horse ZHI die ZHE ASP surpass half ASP 'The horses which have died are more than half.'

To summarize the discussion so far, ZHE and ZHI can co-occur within a single DP, indicating that they occupy different structural positions and cannot be analyzed as being in complementary distribution vying for a single position. One final point to be made in this subsection is that the co-occurrence of ZHI and ZHE should not be analyzed as instances of recursion, ZHE and ZHI each occupying a different DP head. This is clear from the fact observed in section 2.1 that ZHI and ZHE have different functions. The next subsection provides further evidence for the distinction between the semantic contributions of ZHI and ZHE.

2.3. ZHI > ZHE (Information structure)

This subsection presents evidence for the proposal that ZHI occupies a higher position in DP than ZHE. The evidence for this claim comes from information structure. What I show in this section is that ZHI is associated with definite or generic interpretations, while ZHE expresses only specificity. First, returning to the postnominal relative clause introduced in (10) in the preceding subsection, this type of relative clause is used when the head nominal refers to a discourse topic. (11) shows part of the preceding discourse for this example. In the text, a horse trainer is describing his training program, specifically describing his treatment of the horses he trains. It is clear from the discourse that ma 'horse' is the topic of the discussion.

(11) 我善治馬…飢之,渴之,馳之… Wo shan zhi ma... ji zhi. zhi. zhi... ke chi well train horse starve 3.0BJ thirst Ι 3.OBJ 3.OBJ run 馬之死者已過半矣。 (Zhuangzi, Mati) [_{DP} ma **zhi** $\begin{bmatrix} nP \end{bmatrix} \begin{bmatrix} TP \\ Si \end{bmatrix}$ **zhe j** yi ban yi. guo horse ZHI die ZHE ASP surpass half ASP 'I am good at training horses... I starve them, deprive them of water, run them... the horses which have died are more than half.'

In contrast to constructions like (11), relative clauses of the type in (12) do not refer to topics but rather occur at the beginning of the discourse. The relative clauses in (12) are another type of postnominal relative. However, no ZHI appears; the clause simply follows head nominal without any linking morpheme. On the analysis proposed in (4), the head NP remains in its base position in [Spec, nP].

(12) a. 吾有司死者,三十三人。		(Mencius, Liang Hui Wang 2)					
$\begin{bmatrix} nP \end{bmatrix} \begin{bmatrix} Wu & yousi \end{bmatrix} \begin{bmatrix} n' \end{bmatrix} \begin{bmatrix} TP \end{bmatrix} \begin{bmatrix} si \end{bmatrix}$	zhe]]	san	-shi-san	ren			
my officer die	ZHE	33		pers	son		
'I lost 33 officers.' (lit. 'My officers who died were 33.')							
b. 臣弒其君者有之。			(Menci	<i>ius</i> , Te	ng Wen Gong 2)		
$[_{nP}$ chen $[_{n'}]_{TP}$ shi	qi	jun]	zhe]]	you	zhi.		
minister assassinate	his	lord	ZHE	exist	this		
'There are ministers who assassinate their lords.'							

The contrast between postnominal relatives with and without ZHI is brought home by the fact that only the latter can occur as the complement of the existential verb. Postnominal relatives without ZHI occur very frequently in classical texts in existential constructions in order to introduce referents into the discourse. The fact that ZHI never occurs between the head nominal and the clause can be accounted for by Milsark's (1974) Definiteness Restriction on existential constructions. The presence of ZHI forces a definite interpretation for this DP, which is incompatible with the semantics of an existential construction. ZHE, on the other hand, since it is associated with individuation, or perhaps specificity, (but not necessarily with definiteness) occurs naturally in an existential construction.

(13) a. 有一史後至者。 (Zhuangzi, Quqie) You $\begin{bmatrix} y_i & shi \end{bmatrix} \begin{bmatrix} y_i & chi \end{bmatrix}$ You $\begin{bmatrix} y_i & chi \end{bmatrix}$ **zhe**]]. one scribe later arrive ZHE exist 'There was one scribe who arrived late.' b. 有人日攘其鄰之雞者。 (*Mencius*, Teng Wen Gong 2) vou [ren [[ri zhi qi lin ji] **zhe**]]. rang exist person daily steal 3.GEN neighbor GEN chicken ZHE 'There is someone who steals chickens from his neighbor every day.'

The fact that ZHI is associated with a definite or generic interpretation and ZHE with a specific interpretation can be accounted for in an articulated DP structure of the type proposed in (4) in section 1. Following Borer (2005), Jackendoff (1977), Lyons (1999), and others, I assume that strong or definite determiners occupy a higher position in DP than weak determiners or determiners expressing cardinality or individuation. Therefore, it is plausible to analyze ZHI as occupying a higher structural position than ZHE. Specifically, ZHI can be analyzed as located in D and ZHE in n.

3. Diachronic implications

In the preceding section, I argued that Late Archaic Chinese ZHI and ZHE had different functions and occupied different positions within the DP structure. In this section, I consider diachronic changes, principally the loss of ZHI, which resulted in the distinct functions of ZHI and ZHE being assumed by the single morpheme DE in Modern Standard Mandarin. However, I also provide evidence from other modern varieties of Chinese for the persistence of the two positions within DP formerly occupied by ZHI and ZHE. Consequently, although the Archaic Chinese morphemes have been lost or replaced over time, there is evidence that the basic structure of the Chinese nominal projection has remained unaltered since Archaic times.

3.1. Early changes from Archaic to Middle Chinese

In this subsection, I provide evidence for the loss of ZHI in early Middle Chinese.³ First, (14) shows that ZHI ceased to be obligatory as a linking element in relative clauses and other modification structures. The following examples are taken from a Western Han text of approximately 100 BCE. Both are examples in which a modifier appears without the linking element ZHI between it and the head nominal.

(14) a	(<i>Shiji</i> , Fan Ju)					
	Shou	zhe	nai	qing	chu	qi
	Guard	ZHE	then	ask	remove	discard

³ I am in agreement with Wang (1958), Chou (1963), Peyraube (1988), and Shi (2002) that the significant grammatical discrepancies in evidence in the 2nd century BCE warrant designating a major period break corresponding with the beginning of the Han Dynasty. Shi (2002) is consistent with my position in identifying this break as marking the beginning of Middle Chinese.

[[ze zhong] ____ [si ren]].

mat in (ZHI) dead person

'The guard then asked to take out and discard the dead person that was in the mat.'

b. 始嘗欲殺文公宦者履鞮知其謀。 (Shiji, Jin Shijia)
[[Shi chang yu sha Wen Gong] ____ huanzhe Lü Di]
beginning before want kill Wen lord (ZHI) eunuch Lü Di
zhi qi mo.
know 3.GEN plot
'The eunuch Lü Di, who wanted to kill the lord Wen in the beginning, knew of their plot.'

ZHI was lost in other contexts as well. As subject and object embedded clauses in Late Archaic Chinese were nominalized, the embedded subject was typically marked with genitive case, as shown in (15a). (15b) shows a similar sentence in a Western Han period (early Middle Chinese) historical chronicle. The Han example does not use genitive case for the embedded subject.

(15) a. 天下之無道也久矣。					(Analects, Bayi)			
	[Tianxia	zhi	wu	dao	ye]	jiu	yi.	
	world	GEN	not.have	way	NMLZ	long	PERF	
'It is a long time since the world has been without the proper						ne proper way.'		
b	天下無道	值久矣。			(Shiji	47)		
	[Tianxia	wu	dao]	jiu	yi.			
	world	not.ha	ve way	long	PERF			
	'It is a lo	'It is a long time since the w					ne proper way.'	

As ZHI is lost from the language, ZHE can be found in functions previously performed only by ZHI. As Lü (1943), Feng (1991), and Jiang (1999) point out, ZHE can be found marking possessors in Middle Chinese texts.

(16) a. 開弦者音 (Early Middle Chinese: Zhanguoce)
 wen [xian zhe yin]
 hear string ZHE sound
 'hearing the sound of the string(s)'

b. 南海所生	勝蜀者。		(Early Modern Chinese: Guoshibu 1.					
Nanhai	suo	sheng,	you	sheng	[shu	zhe].		
Nanhai	REL	produce	more	better	Shu	ZHE		
'The ones produced in Nanhai far surpass those of Shu.'								

The preceding evidence thus provides support for the conclusion put forth by Lü (1943), Ohta (1958), Cao (1986), Feng (1991), Jiang (1999), and others that ZHE was the morpheme replaced by DE in Middle Chinese and not ZHI. The graph 者 ZHE was eventually replaced by the phonetically similar 底 *di*. The following examples show DI with a possessor, modifier, and as the linker between a relative clause and the head nominal. In short, DI at this time has all the functions of Modern Mandarin DE.

(17) a. 汝底	(10)	^h century; <i>Zutangji</i> ; from Jiang 1999: 84)
ru di		
you DE		
'your'		
b. 虚底		
xu di		
empty DE		
'empty one'		
c. 不辨生死底人		
bu bian sheng	si di	ren
not discern live	die DE	person
'someone who could	be dead or a	live'

I propose that the loss of ZHI and its replacement by ZHE (DI/DE) took place in the following way. ZHI began to drop out of the language in early middle Chinese. ZHE was able to take over the functions of ZHI because it could move to the D position, with the result that it came to be able to occupy either the n and D position. This change is thus an example of the type of grammaticalization resulting from head movement proposed by Roberts and Roussou (2003).



DI replaces ZHE in early modern Chinese, and DI becomes DE in Modern Mandarin. This leads to the conclusion that DE in Modern Mandarin can occupy either D or n depending on its function. Due to limitations of space, I will not further discuss Mandarin DE in this paper. Rather, I present evidence from other varieties of Chinese that both positions in the DP structure shown in (18) are maintained in modern Chinese.

3.2. Different 'DE' in other Sinitic languages

The proposal that two positions in DP participate in relative clause formation receives support from other varieties of Chinese. Yue-Hashimoto (1993) shows that the Liangcheng dialect of Hakka, for example, has two separate morphemes corresponding to Standard Mandarin DE: e^{35} and e^{32} . They differ in terms of tone, e^{35} having a mid falling tone and e^{32} a mid rising tone. The functions e^{35} and e^{32} are parallel to Archaic Chinese ZHI and ZHE, respectively. e^{35} occurs in a headed relative clause and e^{32} in a headless relative.

(19) a. 燒	$(lau^{33} lau^{33})$	e ³⁵	粥	
stea	aming.hot	DE1	rice.gruel	
'ste	eaming hot rice g	ruel'		
b. 燒	$(lau^{33} lau^{33})$	e ³²		
stea	aming.hot	DE2		
'steaming hot one'			(Yue-Hashimoto	1993: 229)

The existence of two phonetically distinct morphemes in Liangcheng Hakka with functions corresponding the ZHI and ZHE is very suggestive that the articulated DP structure of Late Archaic Chinese persists in modern varieties. Liangcheng Hakka e^{35} can be analyzed as occupying the D position of Archaic Chinese ZHI, while e^{32} is in the *n* position of ZHE.



Li (2012) discusses a similar pair in Taiwan Southern Min. As in Liangcheng Hakka, the morpheme corresponding to Mandarin DE is e but pronounced with a different tone depending on its function and environment. When e is preceded by a possessor, its base tone is 5 (low-rising), though it is pronounced with tone 7 (mid-level) according to the rules of Taiwanese tone sandhi if it is followed by an overt possessum.

(21) hit-e	haksing	e ⁵	(pio-a)	
that-CL	student	Е	watch	
'that stud	lent's (watc		(Li 2012:20)	

When e is preceded by an adjectival or clausal modifier, its base tone is 5 (pronounced as tone 7 if it is followed by overt material). If it is not followed by overt material, the base (and pronounced) tone is the neutral tone.

(22) a. kui e^5 pio-a expensive E watch 'expensive watch' b. kui e^0 expensive E 'expensive one' (Li 2012: 21)

Thus, Taiwanese seems to be in even closer alignment with Late Archaic Chinese. Tone 5 *e* has the both the functions of ZHI, acting as genitive marker and as linker between modifier and head NP. I propose that e^5 occupies the D position. Neutral tone *e* behaves as ZHE, following modifiers but not possessors and never preceding overt material. I propose that it occupies the *n* position.



4. Conclusion

This paper has argued for an articulated DP structure for both Late Archaic Chinese and modern Sinitic varieties. In Late Archaic Chinese, ZHI was the head of DP, the highest functional position in the nominal projection. It could select a possessor or serve as the linking element between a modifier and modified NP. ZHE was located lower on the DP spine, specifically heading a nP projection. The main function of ZHE was to bind a variable, either syntactically to form a relative clause or semantically to make a nominal specific.

In Middle Chinese, ZHI was lost from the language and replaced by ZHE. This replacement was the result of head movement from n to the empty D position. The graph for ZHE was eventually replaced by a phonetically similar graph which was in turn replaced in Modern Mandarin by DE 的. Modern Mandarin DE performs the functions of both ZHI and ZHE. But more direct evidence for the persistence of both the D and n positions in modern Chinese DP structure can be found in other Sinitic varieties which employ separate morphemes whose functions mirror those of Archaic Chinese ZHI and ZHE.

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先秦漢語的關係子句與 DP 結構

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提要

"之、者"是先秦漢語中用來組成關係子句的功能詞。關係子句修飾名詞時,"之" 出現在關係子句與名詞之間。"者"的功能是形成無中心詞關係子句,出現在子句 之後。由於這兩個功能詞可以同時出現,並且其功能不同,本文提出"之"與"者" 在結構上占不同位置。本文將"之"分析成 DP 的中心詞 D。由"之"當中心詞的 DP 通常被解釋為有定的名詞組。本文將"者"分析成 DP 內部的功能詞 n,表示整 個名詞組是有指的。本文同時主張,在歷史演變中,"之、者"兩個功能詞雖然消 失或是被取代了,在某些方言裡,它們結構上的兩個位置仍然保留下來。

關鍵詞

先秦漢語,關係子句,DP 結構