# A Study of Non-structure Cohesion in the Texts in New Senior English for China Student's Book 5 and 6 

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#### Abstract

Since the publication of Cohesive in English co-authored by Halliday and Hasan in 1976, more linguistics at home and abroad have been analyzing and studying this theory in detail. Thus, cohesion theory has been steadily growing. Existing studies, however, tended to focus on the analysis of cohesive devices in a variety of discourses other than the texts from English textbooks for Chinese high school learners. To address this gap, this study used 5 articles from New Senior English for China Student's Book 5 and 6 to explore the non-structure cohesive devices. By means of the coding scheme suggested by Halliday and Hasan in 1976, the cohesive patterns in a text were represented. The results showed that coherence in the 5 texts largely depends on lexical cohesion. Then, a further analysis of the five lexical cohesive devices showed that among them, same item having reference that is identical proved to be the most in the texts. The main reasons is perhaps that since the texts are from school textbooks for Chinese teenagers, the student readers almost certainly do not have the ability to make much sense of a fairly complex text whose coherence may largely depends on substitution or ellipsis.


Index Terms-cohesive patterns, non-structure cohesion, text

## I. Introduction

Cohesion refers to the linguistic patterns by which the speaker can signal the experiential and interpersonal coherence of the text-and is thus a textual phenomenon-we can point to features of the text which serve a cohesive function (Geoff Thompson, 2008). Cohesion occurs where the interpretation of some element in the discourse is dependent on that of another (Halliday \& Hasan, 1976). In Language, Context and Text published in 1985 by Halliday and Hasan, Hasan expanded the covering range of the concept of cohesion, which is divided into structure cohesion and non-structure cohesion. The former one includes parallel structure, theme-rheme structure, given information-new information structure. The latter is made up of reference, substitution, ellipsis, lexical cohesion and conjunction.

The five types of non-structure cohesion have a great impact on textual research at home and abroad. Our intention in this paper is to survey the lexicogrammatical resources in some of the reading texts and analyse the cohesive patterns in them, through which a student reader is able to process a text, thus interpret it and determine how he does so.

## II. Analysis of Non-structure Cohesion in Texts

The coding scheme suggested by Halliday and Hasan in 1976 provides a means of representing the cohesive patterns in a text, that is, reference, substitution, ellipsis, conjunction and lexical cohesion. Besides, they also provided us with a term-a tie-to refer to a single instance of cohesion, a term for one occurrence of a pair of cohesively related items.

For the text, each sentence is given an index number, and the total number of ties in that sentence is entered in the appropriate column. Then for each tie we specify the type of cohesion and its distance and direction (Halliday \& Hasan, 1976).

TABLE 2-1
The Analysis Of Cohesion In Text 1

| Sentence <br> number | No. of <br> ties | Cohesive item | Type | Distance | Presupposed item |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 4 | But | C23.1 | 0 | (S.1) |
|  | he $(2 \times)$ | R11.6 | 0 | John Snow |  |
|  | help | L5 | 0 | attended |  |
|  | ordinary people | L5 | 0 | Queen Victoria |  |
| 3 | This | R21.6 | 0 | cholera |  |
|  | disease | L3.6 | 0 | cholera |  |
|  | its | R13.8 | 0 | cholera |  |
| 4 | 1 | its $(2 \times)$ | R13.8 | 0 | cholera |
| 5 | So | C31.1 | 0 | (S.4) |  |
|  | people | L1.6 | N.2 | people |  |
|  | die | L5 | N.1 | deadly |  |


| 6 | 4 | John Snow wanted face/solve challenge/problem | $\begin{gathered} \hline \text { L1.6 } \\ \text { L5 } \\ \text { L5 } \\ \text { L5 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { N. } 4 \\ \text { N. } 3 \\ \text { N. } 3 \\ 0 \\ \hline \end{gathered}$ | ```John Snow inspired help outbreak``` |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 7 | 4 | He cholera controlled/ found cause | $\begin{gathered} \hline \text { R11.6 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { N. } 4 \\ \text { N. } 2 \\ \text { N. } 2 \end{gathered}$ | John Snow cholera understood cause |
| 8 | 4 | He interested cholera people | $\begin{gathered} \hline \text { R11.6 } \\ \text { L5 } \\ \text { L1.6 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { M. } 1 \\ \text { N. } 1 \\ 0 \\ \text { N. } 2 \\ \hline \end{gathered}$ | $\begin{gathered} \mathrm{He} \rightarrow \text { John Snow } \\ \text { wanted } \\ \text { cholera } \\ \text { people } \\ \hline \end{gathered}$ |
| 9 | 3 | The first suggested cholera | $\begin{gathered} \hline \text { E12.1 } \\ \text { L5 } \\ \text { L1.6 } \end{gathered}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & 0 \\ & \hline \end{aligned}$ | two theories explained cholera |
| 10 | 4 | $\begin{gathered} \text { gas } \\ \text { it } \\ \text { its } \\ \text { victims } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { L2.6 } \\ \text { R13.6 } \\ \text { R13.8 } \\ \text { L2.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ 0 \\ 0 \\ \text { N. } 1 \\ \hline \end{gathered}$ | air cholera cholera people |
| 11 | 5 | The second suggested people this disease | $\begin{gathered} \hline \text { E12.1 } \\ \text { L1. } 6 \\ \text { L1.8 } \\ \text { R21.6 } \\ \text { L3.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { N. } 1 \\ \text { N.1 } \\ 0 \\ \text { N.1 } \\ \text { N. } 1 \\ \hline \end{gathered}$ | two theories <br> suggested victims cholera cholera |
| 12 | 7 | stomach the | $\begin{gathered} \hline \text { L2.7 } \\ \text { R23.6 } \end{gathered}$ | $\begin{aligned} & \hline 0 \\ & 0 \end{aligned}$ | bodies this disease |
| Sentence number | No. of ties | Cohesive item | Type | Distance | Presupposed item |
|  |  | disease body affected person died | $\begin{gathered} \hline \text { L1.6 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { L2.6 } \\ \text { L5 } \end{gathered}$ | $\begin{gathered} \hline 0 \\ 0 \\ \text { N. } 9 \\ 0 \\ \text { N. } 3 \end{gathered}$ | disease bodies exposed people killed |
| 13 | 3 | John Snow the second theory | $\begin{gathered} \hline \text { L1.6 } \\ \text { R34.7 } \\ \text { L1. } 6 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { N. } 6 \\ & \text { M. } 1 \\ & \text { N. } 4 \end{aligned}$ | John Snow the second $\rightarrow$ two theories theories |
| 14 | 8 | So <br> another <br> outbreak <br> hit <br> London <br> in1854 <br> he <br> ready | $\begin{gathered} \hline \text { C31.1 } \\ \text { R33.6 } \\ \text { L1.8 } \\ \text { L2.6 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { R11.6 } \\ \text { L5 } \\ \hline \end{gathered}$ | 10 N. 8 N. 8 N.1 N. 12 N. 10 0 N.5 | (S.13) an outbreak(S.5) an outbreak(S.5) attacked London(S.1) its day John Snow interested |
| 15 | 7 | the disease spread quickly poor he information | $\begin{gathered} \hline \text { R23.6 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { L1.9 } \\ \text { L5 } \\ \text { R11.6 } \\ \text { L5 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \mathrm{N} .2 \\ \mathrm{~N} .2 \\ 0 \\ \mathrm{~N} .2 \\ \mathrm{~N} .12 \\ \mathrm{M} .1 \\ 0 \\ \hline \end{gathered}$ | the disease disease hit quickly ordinary he $\rightarrow$ John Snow enquiry |
| 16 | 6 | in two particular streets cholera outbreak people died | $\begin{gathered} \hline \text { L5 } \\ \text { L2.6 } \\ \text { L1. } 6 \\ \text { L1. } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ 0 \\ \text { N. } 1 \\ \text { N. } 4 \\ \text { N. } 3 \\ \hline \end{gathered}$ | neighbourhoods <br> disease another outbreak people died |
| 17 | 3 | He find out why | $\begin{gathered} \hline \text { R11.6 } \\ \text { L1.6 } \\ \text { L5 } \end{gathered}$ | $\begin{aligned} & \hline \text { M. } 2 \\ & \text { N. } 9 \\ & \text { N. } 9 \\ & \hline \end{aligned}$ | $\begin{gathered} \text { he } \rightarrow \text { John Snow } \\ \text { found } \\ \text { cause } \end{gathered}$ |
| 18 | 4 | First he dead people | $\begin{gathered} \hline \text { C43.1 } \\ \text { R11.6 } \\ \text { L5 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { M. } 3 \\ \text { N. } 1 \\ \text { N. } 1 \\ \hline \end{gathered}$ | (S.17 ) $\mathrm{He} \rightarrow$ John Snow died people |
| 19 | 4 | $\begin{gathered} \hline \text { This } \\ \text { him } \\ \text { cause } \\ \text { disease } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { R21.6 } \\ \text { R11.6 } \\ \text { L5 } \\ \text { L3.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { M. } 4 \\ 0 \\ \text { N. } 2 \\ \hline \end{gathered}$ | (S.18) he $\rightarrow$ John Snow why cholera |
| 20 | 2 | deaths | L5 | 0 | dead |
| Sentence number | No. of ties | Cohesive item | Type | Distance | Presupposed item |
|  |  | Broad Street | L5 | N. 1 | places/where |


| 21 | 4 | He <br> also <br> houses <br> deaths | $\begin{gathered} \hline \text { R11.6 } \\ \text { C11.1 } \\ \text { L5 } \\ \text { L1.8 } \end{gathered}$ | $\begin{gathered} \hline \text { M. } 5 \\ 0 \\ 0 \\ 0 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { him } \rightarrow \text { John Snow } \\ \text { (S.20) } \\ \text { Broad Street } \\ \text { deaths } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 22 | 3 | $\begin{gathered} \mathrm{He}(2 \times) \\ \text { this } \\ \text { investigations } \end{gathered}$ | $\begin{gathered} \hline \text { R11.6 } \\ \text { R21.6 } \\ \text { L5 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { M. } 6 \\ 0 \\ \text { N. } 6 \end{gathered}$ | $\begin{gathered} \hline \mathrm{He} \rightarrow \text { John Snow } \\ \text { (S.21) } \\ \text { information } \\ \hline \end{gathered}$ |
| 23 | 5 | He discovered these people 7 Cambridge Street | $\begin{gathered} \hline \text { R11.6 } \\ \text { L5 } \\ \text { R21.6 } \\ \text { L4.6 } \\ \text { L5 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { M. } 7 \\ 0 \\ \text { N. } 1 \\ \text { N. } 1 \\ \text { N. } 2 \\ \hline \end{gathered}$ | $\mathrm{He} \rightarrow$ John Snow investigations no deaths no deaths Broad Street |
| 24 | 4 | They beer water pump | $\begin{gathered} \hline \text { R14.6 } \\ \text { L5 } \\ \text { L1.6 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ 0 \\ \text { N. } 3 \\ \text { N. } 3 \\ \hline \end{gathered}$ | people <br> pub <br> water <br> pump |
| 25 | 3 | the water was to blame | $\begin{gathered} \mathrm{R} 23.6 \\ \text { L1.6 } \\ \text { L5 } \end{gathered}$ | $\begin{gathered} \hline 0 \\ 0 \\ \text { N. } 5 \end{gathered}$ | the water the water cause |
| 26 | 7 | Next John Snow looked into the water these streets | $\begin{gathered} \text { C41.1 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { R23.6 } \\ \text { L1.6 } \\ \text { R21.6 } \\ \text { L1.7 } \end{gathered}$ | $\begin{gathered} \hline 0 \\ \mathrm{~N} .12 \\ \mathrm{~N} .2 \\ 0 \\ 0 \\ \mathrm{~N} .2 \\ \mathrm{~N} .2 \\ \hline \end{gathered}$ | (S.25) <br> John Snow discovered the water the water <br> 7 Cambridge Street <br> 7 Cambridge Street |
| 27 | 5 | He found it water London | $\begin{gathered} \hline \text { R11.6 } \\ \text { L5 } \\ \text { R13.6 } \\ \text { L1.8 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ 0 \\ 0 \\ 0 \\ \mathrm{~N} .12 \\ \hline \end{gathered}$ | John Snow looked into source water London |
| 28 | 5 | He astonished people Broad Street pump | $\begin{gathered} \hline \text { R11.6 } \\ \text { L2.6 } \\ \text { L1.7 } \\ \text { L1.6 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { M. } 1 \\ \text { N. } 22 \\ \text { N. } 4 \\ \text { N. } 7 \\ \text { N. } 3 \\ \hline \end{gathered}$ | He $\rightarrow$ John Snow terrified people Broad Street pump |
| 29 | 4 | Soon afterwards | $\begin{aligned} & \hline \mathrm{C} 44.2 \\ & \mathrm{C} 41.1 \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & 0 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { (S.28) } \\ & \text { (S.28) } \\ & \hline \end{aligned}$ |
| Sentence number | No. of ties | Cohesive item | Type | Distance | Presupposed item |
|  |  | the disease slowed down | $\begin{gathered} \hline \text { R23.6 } \\ \text { L1.6 } \\ \text { L5 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { N. } 9 \\ \text { N. } 9 \\ \text { N. } 13 \\ \hline \end{gathered}$ | the disease the disease spread quickly |
| 30 | 5 | He cholera spread germs gas | $\begin{gathered} \hline \text { R11.6 } \\ \text { L2.6 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { L1.6 } \end{gathered}$ | $\begin{gathered} \hline \text { M. } 2 \\ 0 \\ \text { N. } 13 \\ \text { N. } 2 \\ \text { N. } 20 \end{gathered}$ | $\begin{gathered} \mathrm{He} \rightarrow \text { John Snow } \\ \text { disease } \\ \text { spread } \\ \text { polluted/dirty } \\ \text { gas } \end{gathered}$ |
| 31 | 10 | another part London he found evidence two other deaths Broad Street outbreak | $\begin{gathered} \hline \text { R33 } \\ \text { L3.8 } \\ \text { L1.6 } \\ \text { R11.6 } \\ \text { L1.6 } \\ \text { L1.6 } \\ \text { R33.9 } \\ \text { L1.8 } \\ \text { L1.6 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { N. } 2 \\ \text { N. } 2 \\ \text { N. } 3 \\ \text { M. } 3 \\ \text { N. } 3 \\ \text { N. } 17 \\ \text { N. } 10 \\ \text { N. } 10 \\ \text { N. } 2 \\ \text { N. } 14 \end{gathered}$ | Broad Street Broad Street London $\mathrm{He} \rightarrow$ John Snow found evidence Many of the deaths deaths Broad Street outbreak |
| 32 | 5 | Broad Street the water/it pump house | $\begin{gathered} \hline \text { L1.6 } \\ \text { R23.6 } \\ \text { L1. } 6 \\ \text { L1. } 6 \\ \text { L1. } 9 \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { N. } 7 \\ \text { N. } 7 \\ \text { N. } 3 \\ \text { N. } 10 \end{gathered}$ | Broad Street <br> the water from the pump the water from the pump pump houses |
| 33 | 6 | she/her <br> died <br> cholera drinking the water | $\begin{gathered} \text { R12.6 } \\ \text { L5 } \\ \text { L1.6 } \\ \text { L1.6 } \\ \text { R23.6 } \\ \text { L1.6 } \end{gathered}$ | 0 N. 1 N. 2 N. 8 0 0 | a woman deaths cholera drunk the water the water |
| 34 | 6 | this evidence John Snow polluted water | $\begin{gathered} \hline \text { R21.6 } \\ \text { L1. } \\ \text { L1. } 6 \\ \text { L1. } 6 \\ \text { L1. } \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { N. } 2 \\ \text { N. } 7 \\ \text { N. } 6 \\ 0 \end{gathered}$ | (S.33) evidence John Snow polluted water |



Figure 2-1 Cohesive patterns in text 1
As it can be seen from the above histogram, among the five lexical cohesive devices, lexical cohesion appears 109 times which proved to be the most in the texts while reference secures the second place with 41 occurrences, but far less than the first one. Conjunction and ellipsis are even less, 8 and 2 occurrences respectively. Substitution accounts for nothing without occurring.

TABLE 2-2
The Analysis Of Cohesion In Text 2

| Sentence <br> number | No. of <br> ties | Cohesion item | Type | Distance | Presupposed item |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 2 | he |  |  |  |
| them |  |  |  |  |  |$\quad$| R11.6 | 0 | Nicolaus Copernicus |
| :---: | :---: | :---: | :---: |
| (S.1) |  |  |


|  |  | solar system planets | $\begin{aligned} & \text { L1. } 6 \\ & \text { L1. } 7 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { N. } 2 \\ & \text { N. } 1 \end{aligned}$ | solar system planets |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
| 9 | 3 | Copernicus these problems | $\begin{gathered} \hline \text { L1.6 } \\ \text { R21.6 } \\ \text { L1.6 } \end{gathered}$ | $\begin{aligned} & \hline \text { N. } 7 \\ & \text { N. } 1 \\ & \text { N. } 2 \end{aligned}$ | Nicolaus Copernicus some planets in the sky...loop(S.6) (S.7) <br> The problem |
| 10 | 4 | He observations the stars them | $\begin{gathered} \text { R11.6 } \\ \text { L5 } \\ \text { L2.6 } \\ \text { R14.6 } \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { N. } 3 \\ \text { N. } 1 \\ 0 \end{gathered}$ | Copernicus <br> noticed <br> planets <br> these problems |
| 11 | 4 | But his theory do that | $\begin{gathered} \hline \text { C21.2 } \\ \text { R11.8 } \\ \text { L1.6 } \\ \text { S24 } \end{gathered}$ | $\begin{gathered} 0 \\ \text { M. } 1 \\ \text { N. } 6 \\ 0 \end{gathered}$ | (S.10) $\mathrm{He} \rightarrow$ Copernicus theory $(\mathrm{S} .10)$ |
| 12 | 4 | $\begin{gathered} \text { So } \\ \text { he }(2 x) \\ \text { it }(2 x) \\ \text { theory } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { C31.1 } \\ \text { R11.6 } \\ \text { R13.6 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { M. } 2 \\ 0 \\ 0 \\ \hline \end{gathered}$ | (S.11) <br> his $\rightarrow \mathrm{He} \rightarrow$ Copernicus <br> theory <br> theory |
| 13 | 3 | In 1514 he it | $\begin{gathered} \hline \text { L5 } \\ \text { R11.6 } \\ \text { R13.6 } \end{gathered}$ | $\begin{gathered} \hline 0 \\ \text { M. } 3 \\ 0 \\ \hline \end{gathered}$ | between 1510 and 1514 $\rightarrow$ he $\rightarrow$ his $\rightarrow \mathrm{He} \rightarrow$ Copernicus theory |
| 14 | 3 |  | $\begin{gathered} \hline \text { R11.6 } \\ \text { L5 } \\ \text { L1.8 } \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { M. } 4 \\ & \text { N. } 2 \\ & \text { N. } 1 \end{aligned}$ | $\begin{gathered} \rightarrow \text { he } \rightarrow \text { he } \rightarrow \text { his } \rightarrow \mathrm{He} \rightarrow \text { Copernicus } \\ \text { new } \\ \text { theory } \\ \hline \end{gathered}$ |
| 15 | 6 | he <br> sun <br> the centre of the solar system | $\begin{gathered} \hline \text { R11.6 } \\ \text { L1.6 } \\ \text { L1.6 } \end{gathered}$ | $\begin{gathered} \hline \text { M. } 5 \\ \text { N. } 11 \\ \text { N. } 6 \end{gathered}$ | $\rightarrow$ he $\rightarrow \ldots \rightarrow$ Copernicus <br> the sun <br> the centre of the solar system |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | the planets going round $(2 \times)$ the earth | $\begin{gathered} \hline \text { L1.9 } \\ \text { L5 } \\ \text { L1. } 6 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { N.6 } \\ & \text { N. } 6 \\ & \text { N. } 6 \\ & \hline \end{aligned}$ | planets went round the earth |
| 16 | 11 | He also suggested/explained the earth went round the sun changes movement the planets brightness the stars | $\begin{gathered} \hline \text { R11.6 } \\ \text { C11.1 } \\ \text { L5 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { L1.6 } \\ \text { L1.9 } \\ \text { L5 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { L2.6 } \\ \hline \end{gathered}$ | N .6 M .6 0 0 0 0 0 N. 14 N. 9 0 N. 8 0 | $\rightarrow$ he $\rightarrow \ldots \rightarrow$ Copernicus |
| 17 | 5 | His(2x) <br> friends <br> him <br> ideas <br> Copernicus | $\begin{gathered} \hline \text { R11.8 } \\ \text { L1.6 } \\ \text { R11.6 } \\ \text { L1.7 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { M. } 7 \\ \text { N. } 3 \\ \text { M. } 7 \\ \text { N. } 12 \\ \text { N. } 7 \\ \hline \end{gathered}$ | $\rightarrow \mathrm{He} \rightarrow \ldots \rightarrow$ Copernicus friends $\rightarrow \mathrm{He} \rightarrow \ldots \rightarrow$ Copernicus idea Copernicus |
| 18 | 5 | $\mathrm{He}(3 \times)$ the Christian Church published it in1543 | $\begin{gathered} \hline \text { R11.6 } \\ \text { L1.6 } \\ \text { L1. } 6 \\ \text { L13.6 } \\ \text { L5 } \end{gathered}$ | $\begin{gathered} \hline 0 \\ \mathrm{~N} .13 \\ 0 \\ 0 \\ \mathrm{~N} .4 \end{gathered}$ | Copernicus the Christian Church publish ideas in 1514 |
| 19 | 2 | he | R11.6 | M. 1 | $\rightarrow \mathrm{He} \rightarrow$ Copernicus |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | careful | L2.6 | N. 1 | cautious |
| 20 | 6 | The Christian Church his theory God's idea attacked | $\begin{gathered} \hline \text { L1.6 } \\ \text { R11.8 } \\ \text { L2.6 } \\ \text { L1.6 } \\ \text { L1.8 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | 1 0 M. 1 N. 1 N. 13 N. 17 N. 17 | the Christian Church $\rightarrow \mathrm{He} \rightarrow$ Copernicus ideas God ideas attacked |
| 21 | 6 | Yet Copernicus' theory now ideas the universe | $\begin{gathered} \hline \text { C21.1 } \\ \text { L1.6 } \\ \text { L1.6 } \\ \text { L5 } \\ \text { L1.9 } \\ \text { L2.6 } \\ \hline \end{gathered}$ | $\begin{gathered} \hline 0 \\ \mathrm{~N} .3 \\ 0 \\ \mathrm{~N} .2 \\ 0 \\ \mathrm{~N} .5 \\ \hline \end{gathered}$ | (S.20) Copernicus theory in1543 idea the solar system |
| 22 | 9 | His | R11.8 | 0 | Copernicus' |



As it can be seen from the above histogram, among the five lexical cohesive devices, lexical cohesion appears 66 times which proved to be the most in the texts while reference secures the second place with 27 occurrences, but far less than the first one. Conjunction and substitution are even less, 5 and 1 occurrences respectively. Ellipsis accounts for nothing without occurring.

TABLE 2-3
The Analysis Of Cohesion In Text 3

| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 2 | this | R21.6 | 0 | why...Ireland.(S.1) |
|  |  | question | L4.6 | 0 | why...Ireland.(S.1) |
|  |  | British | L5 | 0 | England...Northern Ireland |
| 3 | 2 | First | C43.1 | 0 | (S.2) |
|  |  | England | L1.6 | N. 1 | England |
| 4 | 2 | Wales | L1.6 | N. 2 | Wales |
|  |  | it | R13.6 | 0 | England |
| 5 | 4 | Now | L5 | 0 | in the thirteen century |
|  |  | people | L1.6 | N. 3 | people |
|  |  | England | L1.6 | N. 1 | England |
|  |  | Wales | L1.6 | 0 | Wales |
| 6 | 5 | Next | C41.1 | 0 | (S.2) |
|  |  | England | L1.6 | N. 1 | England |
|  |  | Wales | L1.6 | 0 | Wales |
|  |  | Scotland | L1.6 | N. 4 | Scotland |


|  |  | in the seventeen century | L5 | 0 | Now |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 7 | 4 | this | R21.6 | 0 | (S.6) |
|  |  | Scotland | L1.6 | 0 | Scotland |
|  |  | England | L1.6 | N. 1 | England |
|  |  | Wales | L1.6 | 0 | Wales |
| 8 | 9 | Finally | C43.2 | 0 | (S.7) |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  | 3 | Englishin the early twentiethcenturythe United KingdomIrelandconnectedin the same (peaceful) waypeaceful | L5 | 0 | England in the seventeen century |
|  |  |  | L5 | 0 |  |
|  |  |  | L5 | N. 1 | "Great Britain"Irelandincluded(S.7)conflict |
|  |  |  | L1.7 | N. 6 |  |
|  |  |  | L5 | N. 2 |  |
|  |  |  | C15.1 | 0 |  |
|  |  |  | L5 | 0 |  |
| 9 |  | However | C21.3 | 0 | (S.8) |
|  |  | Ireland | L1.8 | 0 | Ireland |
|  |  | government | L1.8 | 0 | government |
| 10 | 8 | So | C31.1 | 0 | (S.9) |
|  |  | Northern | L5 | 0 | southern |
|  |  | Ireland | L1.8 | 0 | Ireland |
|  |  | joined | L5 | 0 | connected |
|  |  | England | L1.6 | N. 2 | England |
|  |  | Wales | L1.6 | N. 2 | Wales |
|  |  | Scotland | L1.6 | N. 2 | Scotland |
|  |  | the United Kingdom | L1.6 | N. 1 | the United Kingdom |
| 11 | 2 | the countries | R23.6 | 0 | the Northern Ireland, England, Wales, Scotland the Northern Ireland, England, Wales, Scotland |
| 12 | 5 | Northern Ireland | L5 | 0 | four countries |
|  |  | England | L5 | 0 | four countries |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | Scotland | L5 | 0 | four countries |
|  |  | different( $2 \times$ ) | L1.6 | 0 | different |
|  |  | systems | L5 | 0 | institutions |
| 13 | 2 | England | L1.6 | 0 | England |
|  |  | the four countries | L1.6 | N. 1 | the four countries |
| 14 | 5 | The ( $2 \times$ ) | R23.6 | 0 | three zones |
|  |  | zone( $2 \times$ ) | L1.7 | 0 | three zones |
|  |  | called | L1.9 | N. 4 | called |
|  |  | England | L1.6 | 0 | England |
|  |  | Scotland | L1.6 | N. 1 | Scotland |
| 15 | 5 | find | L1.6 | N. 9 | find |
|  |  | the south | L1.6 | 0 | the South |
|  |  | the Midlands | L1.6 | 0 | the Midlands |
|  |  | the North | L1.6 | 0 | the North |
|  |  | England | L1.6 | 0 | England |
| 16 | 4 | these | R21.6 | 0 | the industrial cities |
|  |  | cities | L1.6 | 0 | cities |
|  |  | football teams | L1.6 | N. 3 | football teams |
|  |  | two | L12.2 | N. 3 | football teams |
| 17 | 1 | the industrial cities | L1.6 | N. 1 | the industrial cities |
| 18 | 1 | towns | L5 | 0 | cities |
| 19 | 4 | There | R22.7 | 0 | older but smaller towns |
|  |  | find out | L1.6 | N. 3 | find |
|  |  | British | L5 | N. 3 | England |
|  |  | history | L5 | 0 | historical |
| 20 | 2 | historical | L5 | 0 | history |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | London | L5 | 0 | British |
| 21 | 3 | It | R13.6 | 0 | London |
|  |  | national | L5 | N. 1 | British |
|  |  | government | L1.9 | N. 11 | government |
| 22 | 8 | It | R13.6 | M. 1 | London |
|  |  | oldest( $3 \times$ ) | L5 | N. 3 | older |
|  |  | built | L1.6 | N. 3 | built |
|  |  | Romans | L1. 6 | N. 3 | Romans |
|  |  | building | L1. 6 | N. 1 | buildings |
|  |  | begun | L2.6 | N. 3 | built |



Figure 2-3 Cohesive patterns in text 3
As it can be seen from the above histogram, among the five lexical cohesive devices, lexical cohesion appears 81 times which proved to be the most in the texts while reference, conjunction and ellipsis are much less, 11, 6 and 4 occurrences respectively. Substitution accounts for nothing without occurring.

TABLE 2-4
The Analysis Of Cohesion In Text 4

| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 3 | That | R22.6 | 0 | (S.1) |
|  |  | much | R34.7 | 0 | one degree |
|  |  | it | R13.6 | 0 | (S.1) |
| 3 | 3 | So | C31.1 | 0 | (S.2) |
|  |  | this | R21.6 | N. 1 | (S.1) |
|  |  | it | R13.6 | N. 1 | (S.1) |
| 4 | 2 | these | R21.6 | 0 | (S.3) |
|  |  | questions | L4.6 | 0 | (S.3) |
| 5 | 5 | the earth | L1.6 | N. 3 | the earth |
|  |  | warmer/warming | L5 | N. 3 | the temperature...rose |


|  |  | this <br> global <br> natural | $\begin{gathered} \text { R21.6 } \\ \text { L5 } \\ \text { L1.6 } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { N. } 3 \\ & \text { N. } 3 \\ & \text { N. } 2 \\ & \hline \end{aligned}$ | (S.1) <br> the earth natural |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 6 | 6 | the | R23.6 | N. 3 | a rapid increase |
|  |  | increase | L1.6 | N. 3 | increase |
|  |  | the earth | L1.6 | 0 | the earth |
|  |  | the temperature | L1.6 | N. 4 | the temperature |
|  |  | burning | L5 | 0 | human activity |
|  |  | natural | L1.6 | 0 | natural |
| 7 | 2 | this | R21.6 | 0 | the burning...to produce energy |
|  |  | process | L4.6 | 0 | the burning...to produce energy |
| 8 | 4 | Dr Janice Foster | L5 | N. 1 | All scientists |
|  |  | a natural phenomenon | L1.6 | N. 2 | a (random but) natural phenomenon |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | scientists | L1.6 | N. 1 | scientists |
|  |  | 'greenhouse' | L1.6 | 0 | 'greenhouse' |
| 9 | 5 | This | R21.6 | 0 | the'green house effect' |
|  |  | gases | L1.6 | N. 1 | gases |
|  |  | warm | L1.6 | N. 3 | warming |
|  |  | the earth | L1.6 | N. 2 | the earth |
|  |  | carbon dioxide | L1.6 | N. 1 | carbon dioxide |
| 10 | 3 | the'green house effect' | L1.6 | N. 1 | the'green house effect' |
|  |  | the earth | L1.6 | 0 | the earth |
|  |  | degrees Celsius | L2.6 | N. 8 | degree Fahrenheit |
| 11 | 3 | So | C31.1 | 0 | (S.9) |
|  |  | those | R22.6 | N. 3 | "greenhouse" gases |
|  |  | gases | L1.6 | N. 3 | "greenhouse" gases |
| 12 | 4 | quantities | L2.8 | N. 2 | amounts |
|  |  | extra | R33.9 | N. 2 | carbon dioxide |
|  |  | carbon dioxide | L1.8 | N. 2 | carbon dioxide |
|  |  | the atmosphere | L1.6 | N. 2 | the atmosphere |
| 13 | 9 | It | R13.6 | 0 | (S.12) |
|  |  | more | R33.9 | 0 | heat |
|  |  | heat | L1.8 | N. 3 | heat |
|  |  | trapped | L1.6 | N. 3 | trap |
|  |  | the atmosphere | L1.6 | 0 | the atmosphere |
|  |  | causing | L1.6 | N. 7 | caused |
|  |  | global | L5 | N. 2 | the earth |
|  |  | temperature | L1.6 | N. 6 | temperature |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | go up | L5 | N. 6 | increase |
| 14 | 2 | carbon dioxide | L1.6 | N. 1 | carbon dioxide |
|  |  | increased | L5 | 0 | go up |
| 15 | 5 | scientist | L1.7 | N. 8 | scientists |
|  |  | amount | L2.9 | N. 2 | quantities |
|  |  | carbon dioxide | L1.6 | 0 | carbon dioxide |
|  |  | the atmosphere | L1.6 | N. 2 | the atmosphere |
|  |  | from 1957 to 1997 | L5 | 0 | over the last 100 to 150 |
| 16 | 6 | He | R11.6 | 0 | Charles Keeling |
|  |  | these | R21.6 | 0 | from 1957 to 1997 |
|  |  | years | L5 | 0 | from 1957 to 1997 |
|  |  | carbon dioxide | L1.6 | 0 | carbon dioxide |
|  |  | the atmosphere | L1.6 | 0 | the atmosphere |
|  |  | went up | L5 | 0 | increased |
| 17 | 4 | scientists | L1.7 | N. 1 | scientist |
|  |  | accept | L2.1 | N. 10 | subscribe to |
|  |  | this | R21.6 | 0 | (S.16) |
|  |  | data | L4.6 | 0 | (S.16) |
| 18 | 9 | They | R14.6 | 0 | all scientist |
|  |  | also | C11.1 | 0 | (S.17) |
|  |  | agree | L2.1 | 0 | accept |
|  |  | burning | L1.6 | N. 12 | burning |
|  |  | fossil fuels | L1.6 | N. 12 | fossil fuels |
|  |  | resulted in | L2.1 | N. 4 | causing |
|  |  | this | R21.6 | N. 1 | (S.16) |
|  |  | increase | L5 | N. 1 | went up |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | carbon dioxide | L1.6 | N. 1 | carbon dioxide |
| 19 | 3 | So | C31.1 | 0 | (S.18) |


|  | temperature | L1.6 | N.5 | 0 |
| :---: | :---: | :---: | :---: | :---: |
|  | increase | L1.6 | temperature |  |
| increase |  |  |  |  |



Figure 2-4 Cohesive patterns in text 4
As it can be seen from the above histogram, among the five lexical cohesive devices, lexical cohesion appears 90 times which proved to be the most in the texts while reference secures the second place with 26 occurrences, but far less than the first one. Conjunction and ellipsis are even less, 8 and 2 occurrences respectively. Substitution accounts for nothing without occurring.

TABLE 2-5
The Analysis Of Cohesion In Text 5

| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 2 | work | L5 | 0 | job |
|  |  | the world | L1.6 | 0 | the world |
| 3 |  | working | L1.6 | 0 | work |
| 4 |  | job | L5 | 0 | working |
| 5 |  | However |  | 0 | (S.4) |
|  |  | my job | L1. 6 | 0 | my job |
|  |  | people | L1.9 | N. 1 | people |
| 6 |  | volcanologist | L5 | 0 | volcano |
|  |  | working | L5 | 0 | job |
|  |  | Volcano Observatory (HVO) | L1. 6 | 0 | volcano |
| 7 |  | My job | L1.6 | N. 1 | my job |
|  |  | volcanoes | L1.7 | 0 | Volcano |
|  |  | Hawaii | L1.6 | 0 | Hawaiian |
| 8 |  | collected | L1.6 | 0 | collecting |
|  |  | information | L1. 6 | 0 | information |
|  |  | the | R23.6 | 0 | Mount Kilauea |
|  |  | volcano | L4.6 | 0 | Mount Kilauea |
| 9 |  | work | L2.7 | N. 1 | job |
|  |  | people | L1. 6 | N. 3 | people |
|  |  | the | R23.6 | 0 | lava from the volcano |
|  |  | lava | L1.6 | 0 | lava |
| 10 |  | Unfortunately | C21.3 | 0 | (S.9) |
|  |  | their | R14.8 | 0 | people |
|  |  | homes | L2.6 | 0 | houses |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | the | R23.6 | 0 | the path |
|  |  | way | L2.6 | 0 | path |
|  |  | houses | L1. 6 | 0 | houses |
|  |  | lava | L1.6 | 0 | lava |
| 11 |  | boiling | L5 | 0 | burned |
|  |  | volcano | L1.7 | N. 2 | volcano |
|  |  | earth | L2.6 | 0 | ground |
| 12 |  | This | R21.6 | 0 | (S.11) |
|  |  | because | C33 | 0 | (S.11) |


|  |  | lives | L5 | N. 2 | live |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Mount Kilauea | L1.6 | N. 4 | Mount Kilauea crashed back |
|  |  | fall | L2.6 | 0 |  |
| 13 |  | lava | L5 | N. 1 | volcano |
|  |  | the | R23.6 | 0 | Mount Kilauea |
|  |  | mountain | L4.6 | 0 | Mount Kilauea |
|  |  | causes | L1.6 | N. 1 | causes |
|  |  | damage | L1.6 | N. 1 | damage |
|  |  | path | L2.6 | N. 2 | way |
|  |  | molten | L2.6 | N. 1 | boiling |
|  |  | rock | L1.6 | 0 | rocks |
| 14 |  | However the eruption | C21.3 | 0 | (S.13) |
|  |  |  | R23.6 | N. 2 | When boiling rock...to earth |
|  |  |  | L1.6 | N. 2 | erupts |
| 15 |  | Hawaii | L1.6 | N. 7 | Hawaii |
| 16 |  | worked | L1.9 | N. 6 | work |
| 17 |  | asleep | L5 | 0 | went to bed |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | bed | L1.6 | 0 | bed |
| 18 |  | Hawaii | L1.6 | N. 2 | Hawaii |
|  |  | sleep | L5 | N. 1 | asleep |
|  |  | suddenly <br> bedroom | L1.6 | N. 1 | $\begin{gathered} \text { suddenly } \\ \text { bed } \\ \hline \end{gathered}$ |
|  |  |  | L5 | N. 1 |  |
| 20 |  | the house | L5 | 0 | my bedroom |
|  |  | the back garden | L5 | 0 | my bedroom |
|  |  | Mount Kilauea | L1.6 | N. 7 | Mount Kilauea |
| 21 |  | There eruption the mountain red hot lava fountaining | R22.7 | 0 | the back gardeneruption |
|  |  |  | L1.6 | N. 6 |  |
|  |  |  | R23.6 | 0 | Mount Kilauea |
|  |  |  | L4.6 | 0 | Mount Kilauea |
|  |  |  | L2.6 | N. 7 | molten |
|  |  |  | L1.6 | N. 7 | lava |
|  |  |  | L2.6 | N. 9 | erupts |
| 22 |  |  | R13.6 | 0 | an eruption exciting sight |
|  |  |  | R2.6 | N. 7 |  |
|  |  |  | L1.6 | N. 7 |  |
| 23 |  | The day after this eruption <br> this <br> eruption <br> look at | L5 | N. 7 | ```in the second week after... an eruption eruption see``` |
|  |  |  | R21.6 | N. 1 |  |
|  |  |  | L1.6 | N. 1 |  |
|  |  |  | L2.6 | N. 2 |  |
| 24 |  | scientists the mountain | L1.6 | N. 15 | scientists the mountain mountain |
|  |  |  | R23.6 | N. 2 |  |
|  |  |  | L1.6 | N. 2 |  |
| Sentence number | No. of ties | Cohesion item | Type | Distance | Presupposed item |
|  |  | close | L1.6 | 0 | closer |
|  |  | the | R23.6 | 0 | this eruption |
|  |  | eruption | L1.6 | 0 | eruption |
| 25 |  | earlier collected observatory closer | $\begin{aligned} & \hline \text { L1. } 9 \\ & \text { L1. } 6 \\ & \text { L1. } 6 \\ & \text { L1. } 6 \\ & \hline \end{aligned}$ | $\begin{gathered} \hline \text { N. } 8 \\ \text { N. } 16 \\ \text { N. } 18 \\ 0 \end{gathered}$ | earlycollectedthe Hawaiian Volcano Observatoryclose |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 26 |  | three looked | $\begin{gathered} \hline \text { R34.7 } \\ \text { L1.9 } \end{gathered}$ | $\begin{aligned} & \hline \text { N. } 1 \\ & \text { N. } 2 \end{aligned}$ | Two other scientists and I looked |
|  |  |  |  |  |  |
| 27 |  |  | L2. 9 | N. 1 | clothescoveredspecial |
|  |  | covered | L1.9 | N. 16 |  |
|  |  | special | L1.6 | N. 1 |  |
| 28 |  | these | R21.6 | 0 | suits |
|  |  | suits | L1.6 | 0 | suits |
|  |  | way the | L1.9 | N. 17 | way |
|  |  |  | R23.6 | N. 3 | the crater crater |
|  |  | crater | L1.6 | N. 3 |  |
|  |  | looked | L1.6 | N. 4 | looked |
|  |  | red | L1.6 | N. 6 | red |
|  |  | $\frac{\text { boiling }}{\text { the }}$ | L1.6 | N. 16 | boiling |
| 29 |  |  | $\begin{aligned} & \hline \text { R23.6 } \\ & \text { R33.9 } \end{aligned}$ | $\begin{aligned} & \hline \text { N. } 4 \\ & \mathrm{~N} .4 \end{aligned}$ | Two other scientists |
|  |  | other |  |  | Two other scientists |



Figure 2-5 Cohesive patterns in text 5
As it can be seen from the above histogram, among the five lexical cohesive devices, lexical cohesion appears 88 times which proved to be the most in the texts while reference secures the second place with 21 occurrences, but far less than the first one. Conjunction and ellipsis are even less, 3 and 1 occurrences respectively. Substitution accounts for nothing without occurring.

## III. Analysis of Lexical Cohesion in the Texts

After meticulous judging and taking notes of cohesive devices from the 5 texts, we can thus get the total amount of each cohesive device and their contrasts are made into the following table:

TABLE 3-1
Frequency Of Cohesive Devices In The Five Texts

| Cohesive devices <br> Corpus | text 1 | text 2 | text 3 | text 4 | text 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Frequency | Frequency | Frequency | Frequency | Frequency |
| Reference | 41 | 27 | 11 | 26 | 21 |
| substitution | 0 | 1 | 0 | 0 | 0 |
| Ellipsis | 2 | 0 | 4 | 2 | 1 |
| Conjunction | 8 | 5 | 6 | 8 | 3 |
| Lexical cohesion | 109 | 66 | 81 | 90 | 88 |

From the table above it is obvious that in texts in New Senior English for China Student's Book 5 and 6, the use of lexical cohesion accounts for $72.3 \%$ of the total, the distribution of reference is $21 \%$. Other cohesive devices are adopted less in the texts. For example, substitution and ellipsis are barely used.

A conclusion can be drawn that lexical cohesion plays a significant role in textual cohesion, especially in written texts. Therefore, a further study on lexical cohesion analysis of these texts is conducted, as is shown in table $6,7,8,9$ and 10 .

TABLE 3-2
The Analysis Of Lexical Cohesion In Text 1

|  | identical | inclusive | exclusive | unrelated |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Same item | 50 | 5 | 5 | 2 |  |
| Synonym or near synonym(incl <br> hyponym) | 8 | 1 | 0 | 0 |  |
| Superordinate | 3 | 0 | 1 | 0 |  |
| 'General' item | 1 | 0 | 0 | 0 |  |
| Collocation | - | - | - | - | 33 |

TABLE 3-3
The Analysis Of Lexical Cohesion In The Text 2

|  | identical | inclusive | exclusive | unrelated |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Same item | 34 | 2 | 2 | 5 |  |
| Synonym or near synonym(incl <br> hyponym) | 6 | 0 | 0 | 0 |  |
| Superordinate | 0 | 0 | 0 | 0 |  |
| 'General' item | 2 | 0 | 0 | 0 |  |
| Collocation | - | - | - | - | 15 |

Table 3-4
The Analysis Of Lexical Cohesion In The Text 3

|  | identical | inclusive | exclusive | unrelated |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Same item | 44 | 3 | 3 | 2 |  |
| Synonym or near synonym(incl <br> hyponym) | 2 | 0 | 0 | 0 |  |
| Superordinate | 0 | 0 | 0 | 0 |  |
| 'General' item | 1 | 0 | 0 | 0 |  |
| Collocation | - | - | - | - | 25 |

TABLE 3-5
The Analysis Of Lexical Cohesion In The Text 4

|  | identical | inclusive | exclusive | unrelated |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Same item | 51 | 3 | 2 | 2 |  |
| Synonym or near synonym(incl <br> hyponym) | 8 | 1 | 1 | 1 |  |
| Superordinate | 0 | 0 | 0 | 0 |  |
| 'General' item | 4 | 1 | 0 | 0 |  |
| Collocation | - | - | - | - | 25 |

TABLE 3-6
The Analysis Of Lexical Cohesion In The Text 5

|  | identical | 48 | inclusive | exclusive | unrelated |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Same item | 2 | 0 | 8 |  |  |
| Synonym or near synonym(incl <br> hyponym) | 10 | 1 | 0 | 0 |  |
| Superordinate | 0 | 0 | 0 | 0 |  |
| 'General' item | 3 |  |  |  |  |
| Collocation | - | - | - | 16 |  |



Figure 3-1 Lexical cohesion in the five texts
As it can be seen from the above histogram, among the five lexical cohesive devices, same item having reference that is identical occurs 227 times which proved to be the most in the texts while collocation secure the second place with 105 occurrences; synonym or near synonym including hyponym occurs 34 times on the third place, but far less than the first two. Same item having reference that is unrelated, inclusive and exclusive are even less, 18, 15 and 12 occurrences respectively. 'General item' having reference that is identical takes occurrences 11 times in the whole five texts. The rest of lexical cohesive devices accounts for almost nothing even with some of them never occurring.

## IV. Conclusion

Probably the most striking feature of the texts is their lexical explicitness. This comes out especially in the reliance on lexical cohesion. The writer, we feel, does not trust the reader to do much coherence-construction, but seems to aim to enlarge the intended reader's vocabulary by providing various new ways of expressing the same item. Given that the texts are from school textbooks for Chinese teenagers, this is perhaps understandable: the student readers almost certainly do not have the ability to make much sense of a fairly complex text whose coherence may largely depends on substitution or ellipsis.

In fact, these texts are also characterized as full of grammatical structures, the structural relations, especially within the sentence. Though cohesive relations may be found as well within a sentence as between sentences, cohesive ties between sentences stand out more clearly because they are the only source of texture. To distinguish one type of text from another, cohesive ties makes it possible to transcend the boundaries of the clause-that is, the domain of the highest-ranking grammatical unit (Halliday, 2004). However, this paper focuses on the analysis of non-structure cohesion across sentences, so the distinctive grammatical structure between the sentences of these texts is not described.

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