VOCABULARY OCCURRENCES: AN ANALYSIS OF READING PASSAGES IN PRACTICE IN COMPREHENSION II

A MASTER'S PROJECT

BY

WILALINEE KHONGPHAN

presented in partial fulfillment of the requirements for the

Master of Arts degree in English

at Srinakharinwirot University

May 2004

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ABSTRACT

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Dr.Saengchan Hemchua, Dr. Nitaya Suksaeresup, Mr. Peter Fayers.

The purpose of this study was to analyze the frequency of words appearing in an English Reading Textbook of Mathayomsuksa 5 entitled *Practice in Comprehension II* so as to assess if word level in this book was appropriate for learners or not.

Twenty-three reading passages in *Practice in Comprehension II* were used as data and then analyzed by VocabProfile program which groups words into four lists. The results of the study were that words in the 23 reading passages in the textbook contained many of the most 1000 frequent words of English (79.1%), while words in list three which include academic words in upper secondary and university texts appeared the least (3.4%). Words in list two accounted for 7.2%. Words in list four which are not in any three base lists occurred for 10.4%. Words at each word list fluctuated. The chapters did not arrange in the hierarchy according to word levels. However, it can be assumed that a passage with higher words in list three was more difficult. Furthermore, comparing words in this textbook with the word list of 851 words of Matthayomsuksa 5, it was found that there were 123 overlapping words.

การวิเคราะห์คำศัพท์ที่ปรากฏในหนังสือ Practice in comprehension II

บทคัดย่อ โดย นางวิลาลินี คงพันธ์

เสนอต่อบัณฑิตวิทยาลัย มหาวิทยาลัยศรีนครินทรวิโรฒ เพื่อเป็นส่วนหนึ่งของการศึกษา ตามหลักสูตรปริญญาศิลปศาสตร์มหาบัณฑิต สาขาวิชาภาษาอังกฤษ พฤษภาคม 2547 วิลาลินี คงพันธ์. (2547). การวิเคราะห์คำศัพท์ที่ปรากฏในหนังสือPractice in Comprehension II.
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การวิจัยครั้งนี้มีจุดประสงค์เพื่อวิเคราะห์ความถี่ของคำศัพท์ที่ปรากฏในหนังสือแบบเรียน วิชาการอ่านภาษาอังกฤษ Practice in Comprehension II ของนักเรียนขั้นมัธยมศึกษาปีที่ 5 เพื่อ ศึกษาระดับคำศัพท์ที่ปรากฏว่าเหมาะสมกับผู้เรียนหรือไม่

ในการวิจัยครั้งนี้วิเคราะห์บทอ่านทั้งหมดจำนวน 23 บท จากหนังสือ Practice in Comprehension II โดยใช้โปรแกรมคอมพิวเตอร์ VocabProfile ซึ่งแยกศัพท์ออกเป็น 4 ระดับ ผลการศึกษาพบว่า มีคำศัพท์ที่มีความถี่ในการปรากฏสูง 1000 คำแรกในภาษาอังกฤษ (ระดับ 1) ปรากฏมากที่ลุด ร้อยละ 79.1 ในขณะที่คำศัพท์ในระดับสาม ซึ่งเป็นคำศัพท์ทางวิชาการปรากฏน้อย ที่สุด ร้อยละ 3.4 สำหรับคำศัพท์ในระดับสอง ปรากฏร้อยละ 7.2 และคำศัพท์ในกลุ่มที่ 4 ซึ่งเป็น คำศัพท์ที่ไม่ปรากฏในสามกลุ่มแรก ปรากฏร้อยละ 10.4 คำศัพท์ในแต่ละระดับของบทอ่านทั้งหมด ไม่มีการเรียงลำดับแน่นอน แต่สามารถคาดเดาได้ว่าบทอ่านที่มีคำศัพท์ระดับ 1 และระดับ 2 ปรากฏสูง จะเป็นบทอ่านที่ง่ายกว่า นอกจากนั้นเมื่อเปรียบเทียบคำศัพท์ในบทอ่านจากหนังสือกับบัญชีคำศัพท์ (word list) สำหรับนักเรียนระดับขั้นมัธยมศึกษาปีที่ 5 จำนวน 851 คำ พบว่ามีคำศัพท์ที่ปรากฏใน หนังสือ Practice in Comprehension II จำนวน 123 คำ

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Supha Parjarone Dean of the Faculty of Humanities

(Associate Professor Supha Panjaroen)

May 28, 2004

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TABLE OF CONTENTS

Cnapter	Page
1 INTRODUCTION	
Background	1
Objectives of the Study	3
Significance of the Study	3
Scope of the Study	3
Definition of terms	4
2 REVIEW OF THE RELATED LITERATURE	6
3 METHODOLOGY	13
4 RESULTS AND DISSCUSSION	18
5 CONCLUSION	30
REFERENCES	33
APPENDICES	36
Appendix A The number of word tokens	37
Appendix B The number of word types	38
Appendix C The number of word families	39
Appendix D Words in the four word lists	40

Chapter	Page
VITAE	51

ι

LIST OF TABLES

Fable		Page
1	The number of words used in the sample paragraph	15
2	The number of words in passages 1-23	19
3	Frequency of content words in list one	24
4	Frequency of content words in list two	25
5	Frequency of content words in list three	26
6	Frequency of content words in list four	28

LIST OF FIGURES

Figur	Pa Pa	ge
1	The number of word types found in the four lists	21
2	The number of words from the M.5 word list appearing in the textbook2	!3
3	The number of words occur in passages 1-23	29

CHAPTER 1

INTRODUCTION

Background

In second language vocabulary teaching, frequency is considered a useful criterion for judging which vocabulary items should be taught (Nation. 1990: 20). Selecting words by frequency is made by taking samples from the sort of materials learners are likely to have access to, counting the items that occur most frequently, and arranging them according to their frequency of occurrence (Mackey. 1967).

Frequency counts show that vocabulary can be divided into two main groups: high and low frequency words. The most useful words for learners are high frequency words since they are found often in all kinds of materials. Learners need to know these words because they make up about 87% of an average written text. Since the items occurring most frequently are those which learners are most likely to have access to, they are selected for teaching first. In addition, the frequency and wide range of words can help learners to be familiar with the text they read. On the other hand, low frequency words which have a very narrow range are not worth teaching because students read them only once or twice in a text (Nation. 1983: 4-5).

Besides high and low frequent word levels, word repetition is also useful for learners of English since the number of times a word is read in language learning affect vocabulary acquisition. It, therefore, provides a basis for teachers and course developers to develop and design graded courses and reading texts, and prepare vocabulary tests (Nation. 1990: 20). A vocabulary count is done by making a list of the words in a

particular text or group of texts and counting how often they occur. Some of the more recent counts are done by computers to list words and count their frequency.

On vocabulary acquisition, Saragi, Nation and Meister (1978) found that words presented to learners fewer than six times were learned by half their subjects, while words presented six or more times were learned by 93%. Kachroo (Nation. 1990: 43; citing Kachroo. 1962) counted the number of occurrences of words in an English coursebook and found that words that occurred seven or more times in the coursebook were learned by most of the learners.

Apart from the first 2000 frequent words, academic words are also very important for learners in upper level because most of them plan to further their stadies. There are four groups of academic words: art, science, law and commerce. Each group consists of seven sub-groups such as psychology, mathematics, history, etc (Nation. 2001: 188). It is very useful for learners at this level to learn academic words because learners who know more of these words are able to understand what they read better than learners who know fewer.

In conclusion, frequency is one of the important factors for learners to learn words. To compare between high and low frequency words, high frequency words are better known and recognized because they are found often. Therefore, the first 2000 words and academic words are important for learners in upper level. As a teacher of English, the researcher is interested in the role of word frequency as a method to find out whether the textbook used in a reading course for Matthayomsuksa 5 students at Rajprachasamasai Secondary School follows the mentioned theory and provides enough vocabulary for the students or not.

Objectives of the Study

This study attempts to answer the following research questions: -

- 1. How many words in vocabulary levels 1, 2 and academic words are found in Practice in Comprehension II?
 - 2. How is the vocabulary arranged?
- 3. How frequently do the target words for Matthayomsuksa 5 students occur in the textbook?

Significance of the Study

The significant advantages of this study are as follows:

- 1. The results of the study will be used as a guideline for teachers and material developers to select suitable instructional materials and textbooks for students at a particular level.
- 2. The results can be used as a guideline in foreign language vocabulary teaching and learning that aim for vocabulary acquisition.

Scope of the Study

- 1. This research studies the frequency of vocabulary appearing in an English reading textbook for students at Matthayomsuksa 5.
- 2. The samples of the study comprise 23 reading texts. Each text contains approximately 200-500 words.
 - 3. Proper nouns and abbreviations are not investigated in this study.

Definition of Terms

- 1. English reading textbook for Matthayomsuksa 5 students refers to *Practice* in Comprehension II by Malinee Janthavimol.
- 2. **Content words** refer to four major word classes: nouns, verbs, adjectives and adverbs.
 - 3. Range refers to the number and variety of different texts the word occurs in.
- 4. **Vocabulary level** is divided into five levels: the 2,000-word level, the 3,000-word level, the 5,000-word level, the academic words and the 10,000-word level (Nation. 1990). In this study, VocabProfile is used to classify the words on the basis of frequency. Thus, words are divided into four levels as follows:
 - 1. Level 1 contains the 1,000 most frequent words in English.
 - 2. Level 2 contains the second thousand most frequent words.
 - 3. Level 3 contains academic words.
- 4. Level 4 contains words which are not found in any of the three base lists such as proper nouns and low frequent words. There are no counts for families as levels 1, 2 and 3.
- 5. Word family consists of a base word with its inflected and derived forms. For example, <u>stimulate</u>, <u>stimulated</u>, <u>stimulates</u>, <u>stimulating</u>, <u>stimulation</u>, <u>stimulant</u>, and <u>stimulative</u> are counted as one word family with the headword <u>stimulate</u> (Schmitt and McCarthy. 1997).
- 6. Word Token refers to each occurrence of words in a text that is counted. It is sometimes called a running word. For example, in the sentence 'I would like to teach when I grow up.' there are nine word tokens.

7. Word Type refers to a number of different words in a text. From the above sample sentence, there are nine word tokens with eight word types because we do not count the same word again. We can count the words in the sample sentence like this 'I would like to teach when I grow up.' Thus, the same word form, I, is counted only one.

CHAPTER 2

REVIEW OF THE RELATED LITERATURE

This chapter reviews the relevant literature including vocabulary knowledge, vocabulary and reading, word repetition and other related research.

1. Vocabulary Knowledge

Vocabulary learning can be divided into two systems according to its use, receptive and productive. According to Haycraft (1978), receptive vocabulary consists of "words that the student recognizes and understands when they occur in a context, but which he cannot produce correctly," while productive vocabulary means "words which the student understands, can pronounce correctly and use constructively in speaking and writing."

Similarly, Gairns and Redman (1986: 64) define receptive vocabulary as language items which can be recognized and comprehended in the context of reading and listening materials, whereas productive vocabulary means language items which learners can recall and use appropriately in speech and writing. It can be concluded that receptive vocabulary is the word that learners can recall its meaning when they read or listen, and productive vocabulary is the word that learners can use appropriately in speaking and writing.

Receptive vocabulary is sometimes called 'passive vocabulary' and productive vocabulary is sometimes called 'active vocabulary.' Laufer (1998: 255-271) in studying the development of passive and active vocabulary in a second language, compared two groups of EFL learners in Israel (grade 10 and grade 11, with 6 and 7 years of English

instruction) on passive, controlled or elicited active, and free active vocabulary knowledge. She found that learners in grade 11 had a much larger passive vocabulary. They knew about 3,500 word families, as opposed to 1,900 in grade 10. She indicated that an additional year of instruction affected the learning.

In reading, the essential component for learners to comprehend a text is vocabulary, which refers to receptive vocabulary. A native speaker of any language has a much larger passive vocabulary than active vocabulary. As a result, he or she can read difficult materials fluently. On the contrary, a person who studies a foreign language often has a limited passive vocabulary. The biggest problem for the advanced learner when reading is a poor passive vocabulary (Laufer. 1998). Thus, to become efficient readers, learners should recognize much larger receptive vocabulary than the productive one. These receptive words can help readers to read difficult materials fluently without stopping to consult a dictionary all the time.

2. Vocabulary and reading

Vocabulary is the best single predictor of reading comprehension. If learners do not have sufficient vocabulary, they will not comprehend what they read. The unknown words can be the obstacle to their understanding. Learners with a limited number of vocabulary cannot read well. This is the case for most learners (Nuttall, 1982).

To read academic English texts with good comprehension, and to use reading to expand vocabulary, the 2,000 most frequent words are fundamental because these words make up 80% of words in any English text. According to West (1953), the most frequent 2,000 words cover about 80% of academic text and newspapers, about 87% of words in novels, and over 90% of words in informal conversation. They are very useful, essential words in English.

However, it seems that knowing 2,000 words or 80% of words in the text is not sufficient for reading academic texts. Thus, the academic words also play an important role. The Academic Word List (Coxhead. 2000) contains 570 word families that are very useful for learners who will study English in upper secondary school or university. It contains words like theory, compile, demonstrate. These words cover about 10% in academic articles and textbooks, about 4% of the words in newspapers and less than 2% of words in novels and conversation.

If learners know the most frequent 2,000 words plus academic words, they can reach about 90% of the words they will meet in any academic text (Cobb. 2000). Text A below shows vocabulary size of someone who knows only the most frequent 2000 words. Words that are not on the 2,000 list have been replaced by gaps:

If	planting rates are	with planting	satisfied in	each
	and the forests milled	at the earliest opportur	nity, the	wood
suppli	ies could further increas	se to about 36 million	meters	in
the pe	eriod 2001 – 2015. (Na	tion. 1990:242)		

Text A has 40 words, seven words are unknown which make up to 16% (7/40). There are about 80% of words known. Thus, he/she who reads this text would get some idea of the topic.

Now, look at Text B which is the same as Text A.

If current planting rates are maintained with planting targets satisfied in each _____ and the forests milled at the earliest opportunity, the available wood supplies could further _____ to about 36 million cubic meters annually in the period 2001 – 2015.

In Text B, there are 95% of words known or 5% unknown. Thus, readers would understand through inference.

Many researchers found that reading in a second language succeeded when readers know at least 95% of word tokens in a text. One of them is Laufer (1998) who suggests that learners should be familiar with 95% of the running words in a text in order

to comprehend and learn from the text. Learners should know about 5,000 words (3,000 word families). While, Nation (1990) states that it is difficult to indicate the amount of reading for learners at a particular level. However, there are two factors that can be a guideline. They are the frequency level of the learner's vocabulary and the length of time that the memory of a meeting with a word is retained.

3. Word repetition

The easiest way to make students familiar with new words and phrases is through repetition (Haycraft. 1978: 10). Repetition can help learners to use the words fluently.

Only one meeting is not sufficient to know a word, especially the second language vocabulary. There are two kinds of repetitions: spaced repetition and massed repetition.

The spacing of repetitions can help learners remember a word. According to Pimsleur (Nation. 2000: 77; citing Pimsleur. 1967), the space between each repetition should become larger; the first repetition should be encountered quite soon after the introduction of a new word and the later repetitions can be further apart. Nation (2001: 76) proposed that the difference between spaced and massed repetition involved a period of time to acquire those words. In the same total study time, say fifteen minutes, spaced repetition does not require learners to spend the whole time to repeat the words. In spaced repetition, the words are studied now, a few hours later, a day later, two days later and finally a week later. Three minutes is used each time. The learning occurs many times for learners to remember the words. On the other hand, massed repetition covers a continuous period of time to repeat the words. This method does not allow enough time for learners to encounter the words again. The words are studied once in fifteen minutes, so learners cannot continue their learning. Therefore, spaced repetition is more successful in second language vocabulary learning than massed repetition.

The number of repetitions of words affects vocabulary acquisition. Thornbury (2002: 24) states that the words occur at least seven times are known by most of the learners. The result is similar to the study of Kachroo and Crothers and Suppes (Nation. 1990: 43-44; citing Kachroo. 1962 and Crothers & Suppes. 1967) stating that six or seven repetitions are necessary to ensure learning. Thus, the words occurring only once or twice are not enough for learners to remember and learn them.

4. Related research

Vocabulary is recognized as central to any language acquisition, native or nonnative languages. As for vocabulary, many English vocabulary studies had been conducted on word lists and word frequency counts

Kimwangtako (1978: 80-83) reported that there were 3,036 new general English words in Fundamental University Physics. These words had never appeared in the English textbooks for the upper primary, lower secondary and the upper secondary school levels. Among these 3,036 new words, 2,032 words were general English words and 1,004 words were technical English words. Therefore, the general English words to the technical English words was 2:1. In addition, out of the 2,032 new general English words, only 430 words, or 21.16%, had a high percentage of frequency of occurrence between 76-100% in West's basic word list of 2,000 words

Yodnil (1980: 34-38) found that vocabulary recognition of students was at a level related to their experiences in learning English. It was estimated that the first year students at Srinakharinwirot University, Prasarnmitr knew about 1,700 basic English words on the O'Shea General Consolidated vocabulary list. The students with 12-15

years of English in school had higher scores than those with 8-11 years of English in school.

Sujan (2000) analyzed vocabulary and lexical errors found in the first to fourth-year English majors' at Rajabhat Institute Mahasarakham and investigated if there was a vocabulary development of these students. It was found that the words in base list one were most found by all four groups of students. A much smaller number of words in base list two, base list three and list four were used. There was a high frequency of occurrence of lexical errors which showed that long learning of English in the Thai context did not help the students much to use words correctly. This also might result from the fact that English was taught through Thai, especially in primary and secondary schools, or from the lack of practice in vocabulary use outside the class. However, the number of words in base list three used by the fourth-year students was higher than the third-year students which showed that there was some development of vocabulary size.

Khaengraeng (2002) analyzed 65 letters in Ann Landers' column and found that the words appearing in the first base list were about 60-80%; the words appearing in the second base list were about 1-13%; the words in the third base list were 0-8%; the words not found in any of the three base lists were about 5-16%. Only five out of 65 letters could be useful to be used as reading material in class. These five letters consisted of the most frequent 2,000 words of English required at an adequate level of comprehension. Moreover, they contained the lowest frequency words (less than 15%)

From the research mentioned above, it can be concluded that the first 2000 frequent words are required for learners who study English as a foreign language.

Besides that the academic words should be introduced. If learners know these words,

they would know a very large proportion of words in a text. The number of times the words appear influences vocabulary acquisition. Therefore, it is an important criterion for course designers to arrange reading passages in a textbook.

CHAPTER 3

METHODOLOGY

This chapter aims to give an overview of the research procedures, data collection and data analysis. The research instrument and the computer program VocabProfile, are also described.

1. Data Collection

The data were 23 reading passages from the English reading textbook of Matthayomsuksa 5 entitled *Practice in Comprehension II* by Malinee Janthavimol. Only the reading passages were analyzed excluding exercises and other activities sections. The book was published in 1999 by Thai Wattana Panich, Bangkok. It was approved for use in Thai secondary schools by the Ministry of Education in 1990 and has been used in English Language Improvement course since then. It consists of 23 passages with different contents such as news, novel, history, literature, adventure, adventure, advertisement and jobs.

2. Procedure

The following procedure was conducted in this study.

Twenty-three reading passages from the reading textbook of Matthayomsuksa 5 entitled *Practice in Comprehension II* were analyzed by Nation's Vocabprofile program to check the total number of words, to categorize words into lists and to calculate words in each lists in percentage.

3. Data Analysis

The texts were analyzed to obtain the frequency of words by using Nation's VocabProfile program of the English Language Institute, Victoria University of Wellington, New Zealand. It is a program to analyze the frequency of words occurrences within a text. There are three ready-made base lists: the first base list includes the most frequent used 1,000 words of English; the second base list includes the second 1,000 most frequent words; the third base list includes words not in the first 2,000 words of English but frequently found in the upper secondary school and university text from a wide range of subjects. All of these base lists include the base forms of words and their derived forms. They are counted for totals, types and families. The outsiders which are not found on the three base lists show totals and types. The output will report the percentage of the words marked to indicate which list they are on, or they are not on a list. The data were analyzed in percentage.

3.1 The instrument

Vocabprofile, which is a program to analyze the frequency of word occurrences within a text by Paul Nation, is used.

VocabProfile divides words into four groups by frequency:

- 1. Level one contains the most frequent 1,000 words of English.
- 2. Level two contains the second most frequent thousand word of English, i.e. 1,001 to 2,000.
 - 3. Level three contains academic words
- 4. The words in group four are not found on the other lists. Proper nouns are also included in this group.

3.2 The steps in the analysis of vocabulary are:

- 1. Only 23 reading passages from *Practice in Comprehension II* were typed into the computer.
- 2. The words from passages were grouped into four levels by VocabProfile program and the number of words in each list and the percentage were calculated.

The findings are presented in table forms by the program. The information given consists of the analysis of the different words contained in the text by token, type and word family. The following table presents the results of words occurrences within a text by VocabProfile program.

Sausages were Mr.Feuchtwanger's specialty. They were so hot that Antonie used to let his customers borrow white gloves while they were eating his sausages. Without the gloves, they were too hot to touch. However, many of his customers often forgot to return the gloves and walked away with them, and with them went Antoine's profits. (*Practice in Comprehension II*, 1)

Table 1 The number of words used in the sample paragraph

Word List	Word	Word tokens		d types	10 10
Word List	No.	0/0	No.	0/0	Word families
Base List One	46	79.3	31	81.6	29
Base List Two	3	5.2	2	5.3	2
Base List Three	0	0	0	0	0
List Four	9	15.5	5	13.2	-
Total	58	3	38	3	31

The table shows that there are 58 word tokens in the sample paragraph. These running words are classified into 38 word types and 31 word families. All the words in the paragraph could be grouped into three lists. From this table, words in list one were

1

the most frequently found. There are 46 word tokens making up 79.3%, 31 word types making up 81.6% and 29 word families. In list two, three word tokens making up 5.2%, two word types making up 5.3% and two word families were found. There are no word tokens, word types and word families found in list three. In list four, nine word tokens making up 15.5% and five word types (13.2%) were found.

The program also provided frequency of three lists of word types and two lists of word families. Words in the sample paragraph are shown in five lists according to the computer program.

1. Word types found in list one.

Type	Frequency				
and	2	profits	1	walked	
away	1	return	1	went	
eating	1	so	1	were	
forgot	1	that	1	while	
his	3	the	2	white	
hot	2	them	2	with	
howeve	er 1	they	3	without	
let	1	to	3		
many	1	too	1		
of	1	touch	1		
often	1	used	1		

2. Word types found in list two

borrow 1 customers 2

3. Word types found in list four

Antoi	ne	2	sausage	s 2
Feuch	ntwanger	1	specialt	y l
glove	S	3		

4. Word families in list one

Type	Frequency				
and	2	many	1	to	3
away	1	mister	1	too	1
be	6	of	1	touch	1
eat	1	often	1	use	1
forget	1	profit	1	walk	1
go	1	return	1	while	1
he	3	so	1	white	1
hot	2	the	2	with	2
howeve	er 1	they	5	without	1
let	1	this	1		

5. Word families in list two

borrow 1 customer 2

In conclusion, the 23 reading passages from *Practice in Comprehension II* were analyzed to access the words used on the basis of frequency by a computer program, VocabProfile. The program grouped words into four lists. List one includes the first 1,000 most frequent words, list two includes the second 1,000 of most frequent words, list three includes academic words which are frequently used in the upper secondary and university texts, and list four are words which are not found in any three lists. The data were analyzed and calculated in percentage.

CHAPTER 4

RESULTS AND DISCUSSION

This chapter presents the results of the study which are discussed according to the research questions stated in chapter one:

- 1. How many words in vocabulary levels 1, 2 and academic words are found in Practice in Comprehension II?
 - 2. How is the vocabulary arranged?
- 3. How frequently do the target words for Matthayomsuksa 5 students occur in the textbook?
- 1. How many words in vocabulary levels 1, 2 and academic words are found in *Practice* in *Comprehension II*?

From the 23 reading passages in *Practice in Comprehension II*, all the words were analyzed in terms of word tokens, word types and word families by using the VocabProfile program. Those word tokens, word types and word families were grouped into four lists: list one (the 1,000 most frequent words), list two (the second thousand most frequent), list three (academic words) and list four (words not found in any of the three lists). The results are presented in Table 2

Table 2 The number of words in passages 1-23

Word List	Word	tokens	Word	l types	Wand Camilia
word List	No.	%	No.	%	Word families
List One	8462	79.1	1365	49.6	789
List Two	765	7.2	428	15.5	319
List Three	361	3.4	236	8.6	186
List Four	1108	10.4	724	26.3	-
Total	10	,696	2,7	753	1,294

Table 2 shows that the number of word tokens found in all passages was 10,696 words. These words were classified into 2,753 word types and 1,294 word families. All the words in the 23 passages were grouped into the four lists. From this table, words in list one were most frequently found. There were 8,462 word tokens (79.1%), 1,365 word types (49.6%) and 789 word families (60.97%). In list two, 765 word tokens (7.2%), 428 word types (15.5%) and 319 word families (24.65%) were found. In list three, 361 word tokens (3.4%), 236 word types (8.6%) and 186 word families (14.38%) were found. In list four, 1,108 word tokens (10.4%) and 724 word types (26.3%) were found. (See the frequency of the four lists of word types and three lists of word families in Appendix D).

From Table 2, it can be concluded that the 23 passages provided coverage of the vocabulary of the most 2,000 frequent words which are mostly basic and simple words. These words in the passages were suitable basic vocabulary for learners who learn English as a foreign language. These passages also contain some academic words which prepare learners for their further study. Therefore, this book is appropriate for Matthayomsuksa 5 students who study at secondary level. (See word tokens, word types

and word families found in each reading passage in four ready-made word lists in the Appendix A, B, and C).

2. How is the vocabulary arranged?

Only word types were studied to answer this question. The reason is that EFL learners may not know all derivations of individual word; for example, learners may know the word occur, but they may not know the word occurrence. Therefore, it is appropriate to study how the word types in the textbook are arranged. Figure 1 presents the four lists of word types from all reading passages.

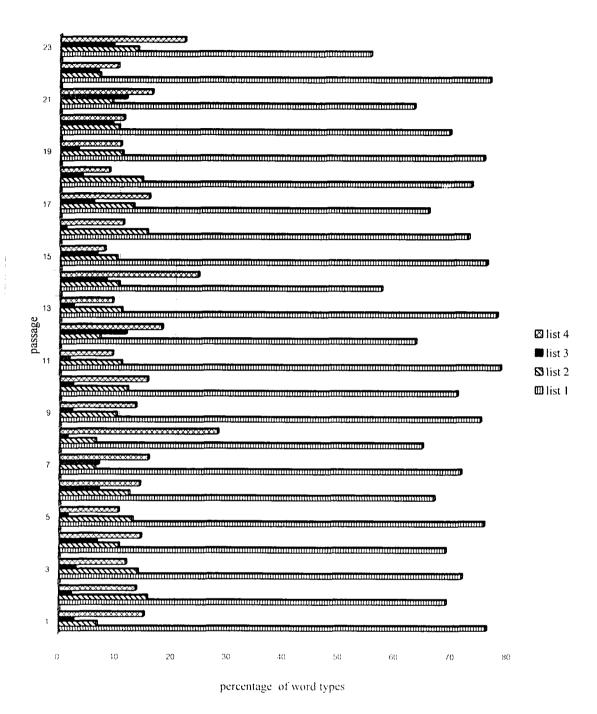


Figure 1 The number of word types found in the four lists.

It can be seen that the percentage of word types at each word !-vel of the 23 passages considerably fluctuated. The proportion of the four lists in each passage developed with different rates. The highest number of words appeared in list one, followed by list four, list two and list three respectively. That is a large proportion of

words in every passage came from the first list. Words in this group are important for learners because they are the most frequent. However, words in list two (the second 1,000 most frequent words) are also important. According to Nation (1990: 19), the words from these two lists occur about 87% of the running words in a text. Words in list three that are the academic words showed the least proportion. According to Nation (1990: 19), words in this group account for 8% of the running words in any academic text.

From the 23 passages, list 1 and 2 covered about 67%-89% of the total, whereas words in list three covered about 1%-11% and words in list four covered about 8%-28%. Comparing passage 1 with passage 23, words were presented incrementally. Passage 23 seems to be more difficult than passage 1 because the two passages arranged in order of word frequency. That is passage 1 contained higher percentage of words in list one than passage 23, while passage 23 contained higher percentage of words in list three and list four than passage 1.

3. How frequently do the target words for Matthayomsuksa 5 students occur in the textbook?

In order to answer this question, words in the textbooks were compared with the M.5 vocabulary list, English syllabus of the Department of General Education (1992), to obtain the number of overlapping words (only the content words were studied to get the frequency of word repetition). Figure 2 presents the results of the overlapping words.

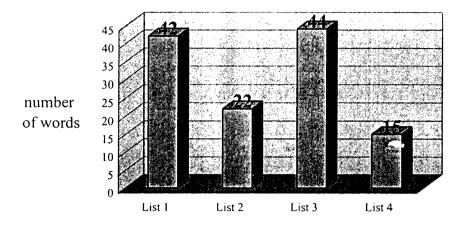


Figure 2 The number of words from the M.5 word list appearing in the textbook

From the analysis, it was found that 123 words (122 content words and 1 function word) from vocabulary list for Matthayomsuksa 5 students in English syllabus appeared in the passages. As seen in Figure 2, these words were grouped into the four lists. There were 42 words in list one, 22 words in list two, 44 words in list three and 15 words in list four.

Nation and Waring (1997: 9) state that knowing enough content words allows a good degree of comprehension of a text. Also, the number of times the words appeared affects vocabulary acquisition. Learners need to meet a new word several times in order to acquire it. Repeated meetings can strengthen and enrich previous knowledge of the word. Table 3 to 6 show the occurrence of content words found in passages 1-23.

Table 3 Frequency of content words in list one

Rank	Words	Frequency	Appearances in passages 1-23
1	still	11	4,8,13,14,16,17,19
2	over	9	1,7,8,11,12,13,15,22,23
3	last	8	4,13,16,23
4	course	6	5,8,19,23
5	able	5	5,6,18,19,22
6	base	4	7,20
7	development	4	12,20,23
8	character	3	1,8
9	sight	3	13
10	whenever	3	2,9,13
11	accept	2	18,19
12	agency	2	14
13	ancient	2	8,14
14	apply	2	12
15	claim	2	1,2
16	demand	2	18,20
17	simply	2	16,23
18	associate	1	23
19	attempt	1	4
20	choice	1	18
21	classify	1	15
22	continue	1	13
23	cross	1	6
24	degree	1	12
25	due	1	7
26	expense	1	12
27	honour	1	12
28	influence	1	7
29	judge	1	12
30	literature	1	23
31	mass	1	16
32	nation	1	9
33	native	1	22
34	peace	1	23
35	record	1	3
36	represent	1	12
			

Table 3 (continued)

Rank	Words	Frequency	Appearances in passages 1-23
37	settle	1	3
38	spot	1	11
39	stage	1	22
40	suppose	1	19
41	surprise	l	9
42	wound	1	7

As seen in Table 3, the highest frequency of words in list one occurred 11 times, whereas the lowest frequency was only 1 time. Note that words in list one were most found in passages 12 and 23. However, words in list one were not found in passage 10 and 21 (Words in passage 12 were apply, degree, development, expense, honour, judge, over and represent. Words found in passage 23 were associate, course, development, last, literature, over, peace and simply.).

Table 4 Frequency of content words in list two

Rank	Words	Frequency	Appearances in passages 1-23
1	pause	4	13,16,19
2	guard	3	21,22,23
3	patient	3	14,15
4	decay	2	14
5	pity	2	22
6	qualify	2	22
7	ashamed	l	16
8	burst	l	16
9	courage	1	20
10	defend	1	. 20
11	delighted	1	13
12	handle	1	5
13	imitate	1	17

Table 4 (continued)

Rank	Words	Frequency	Appearances in passages 1-23
14	neglect	1	14
15	oppose	1	13
16	overcome	1	20
17	perform	1	13
18	performance	1	2
19	sample	1	14
20	slope	1	13
21	suspect	1	19
22	worship	1	16

It can be seen from Table 4 that the highest frequency words in list two appeared four times. Five words in this list occurred in passage 13. They were <u>delighted</u>, <u>oppose</u>, <u>pause</u>, <u>perform</u> and <u>slope</u>. Words in this list were not found in passages 1,3-13 and 18.

Table 5 Frequency of content words in list three

Rank	Words	Frequency	Appearances in passages 1-23
1	research	4	14,15,23
2	unique	3	3,21,23
3	aid	2	12
4	assume	2	14
5	authority	2	23
6	available	2	17,22
7	conference	2	23
8	primary	2	14,23
9	promote	2	21,22
10	release	2	23
11	role	2	22
12	scheme	2	12,14
13	substitute	2	18,22
14	assist	1	21
15	automatic	1	14
16	capacity	1	6
17	concentrate	1	19

Table 5 (continued)

Rank	Words	Frequency	Appearances in passages 1-23
18	conduct	1	14
19	constant	1	18
20	contact	1	12
21	contemporary	1	8
22	contrast	1	10
23	definite	1	20
24	derive	1	20
25	display	1	23
26	emphasize	l	22
27	energy	1	14
28	evidence	1	19
29	exhibition	1	14
30	external	1	23
31	initial	1	23
32	instance	1	18
33	investigate	1	14
34	investment	1	22
35	link	1	23
36	mental	1	6
37	obvious	1	17
38	potential	1	14
39	predict	I	23
40	require	1	4
41	source	1	14
42	style	1	7
43	undertake	1	12

Table 5 reveals similar results. That is, the highest frequency of words appeared four times. Words in this list were most frequently found in passage 14 and 23. Eleven words in passage 14 were assume, automatic, conduct, energy, exhibition, investigate, potential, primary, research, scheme and source. Words found in passage 23 were authority, conference, display, external, initial, link, predict, primary, release, research and unique. Passages 1, 5, 9,11,14 and 16 did not contain words in this list.

 Table 6
 Frequency of content words in list four

Rank	Words	Frequency	Appearances in passages 1-23
1	clue	8	6
2	dial	3	5
3	elementary	2	22
4	aggressive	1	20
5	alarm	1	23
6	amateur	1	2
7	career	1	22
8	cylinder	1	23
9	fame	1	7
10	fascinate	1	2
11	import	1	19
12	incredible	1	3
13	novel	1	7
14	sense	1	23
15	superior	1	19

Table 6 shows that the word <u>clue</u> appeared most frequently in list four. Passage 23 contained three words from this list. They were <u>alarm</u>, <u>cylinder</u> and <u>sense</u>. Passages that words in list four did not occur were passages 1, 4, 8-18 and 21.

Interestingly, the M.5 word list contains the 15 low frequent words which seem to be unnecessary for learners at this level. Probably, the Department of General Education will have to reconsider what words should be included in the list.

Figure 3 presents a clearer picture of the number of content words occurring in each passage.

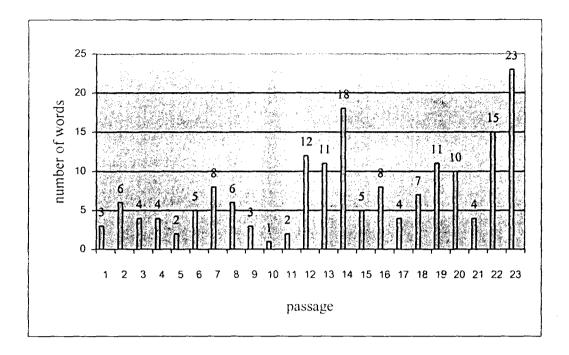


Figure 3 The number of words occurring in passages 1-23

The results showed that one hundred and twenty-two content words were found in all passages. Passage 23 contained the highest number of words from the four lists, 23 words. Passage 10 contained the least, one word. It can be said that passage 23 provided most words from the M.5 word list.

In sum, there were 122 content words found in the four lists ranging from 1 to 5 times of occurrences. Only five words presented at least six times which are a threshold for learners were found to acquire. They were still (11), over (9), last (8), course (6) and clue (8). Due to the fact that the number of word repetitions affects vocabulary learning. The repetition of words will help learners to remember and reinforce the retention of words (Nation & Coady. 1988). Only one meeting for the students is not sufficient. Learners need to meet words often (at least 6 times) in order to learn them. The target words in this textbook did not provide enough opportunity for learners because only five words appeared 6-11 times.

CHAPTER 5

CONCLUSION

As mentioned, frequency is a useful criterion for judging which vocabulary items should be taught. In addition, the more frequently learners meet and use the words, the better they can maintain.

Twenty-three reading passages from *Practice in Comprehension II* were analyzed by a computer program VocabProfile to find out how many words in vocabulary levels 1, 2 and academic words were presented to the learners. Then, they were analyzed to see how the words were arranged. The repetitions of words were also studied. All 23 reading passages were analyzed and calculated in percentage.

1. Conclusion

1. How many words in vocabulary levels 1, 2 and academic words are found in *Practice in Comprehension II*?

It was found that the total number of word tokens, word types and word families from the 23 reading passages were 10696, 2753 and 1294 respectively. The highest number of word tokens, word types and word families were words in base list one (the first 1,000 most frequent words). They were 8462, 1365 and 789 respectively. The number of word tokens, word types and word families found in base list two were 765, 428 and 319 respectively. The number of word tokens, word types and word families found in base list three were 361, 236, and 186 respectively. The number of word tokens and word types found in list four were 1108 and 724.

Words in list one (the first 1,000 most frequent words) were the highest number found in every passage, while words in list three (academic words which are frequently used in the upper secondary and university texts) were the least number

found in every passage. They were 0.4%-7%. The results indicated that reading passages 1-23 provided coverage of the vocabulary of the most 2,000 frequent words which are suitable for learners who learn English as a foreign language. Academic were found not more than 8% but it was enough for learners in the secondary level.

2. How is vocabulary arranged?

It was found that the percentage of word types at each word level in passages 1-23 considerably fluctuated. The number of words at each level was not show in the hierarchy of frequency.

3. How frequently do the target words for Matthayomsuksa 5 rtudents occur in the textbook?

It was found that 123 words (122 content words and 1 function word) from the M.5 vocabulary list appeared in the 23 passages. One hundred and seventeen words appeared with the frequency ranging from 1-5. According to Saragi, Nation and Meister (1978), words presented six or more times were learned by 93% of learners. However, only five of the target words in this book were presented 6-11 times. All of them were words in list one, including such words as still, over, last, course and clue.

2. Implication

- 1. Vocabulary should be one factor to be considered in selecting passages for learners at particular level.
- 2. To provide the opportunity for learners to acquire the target words, word repetition should be taken into account.

3. Limitations of the Study

The study has some limitations as follows:

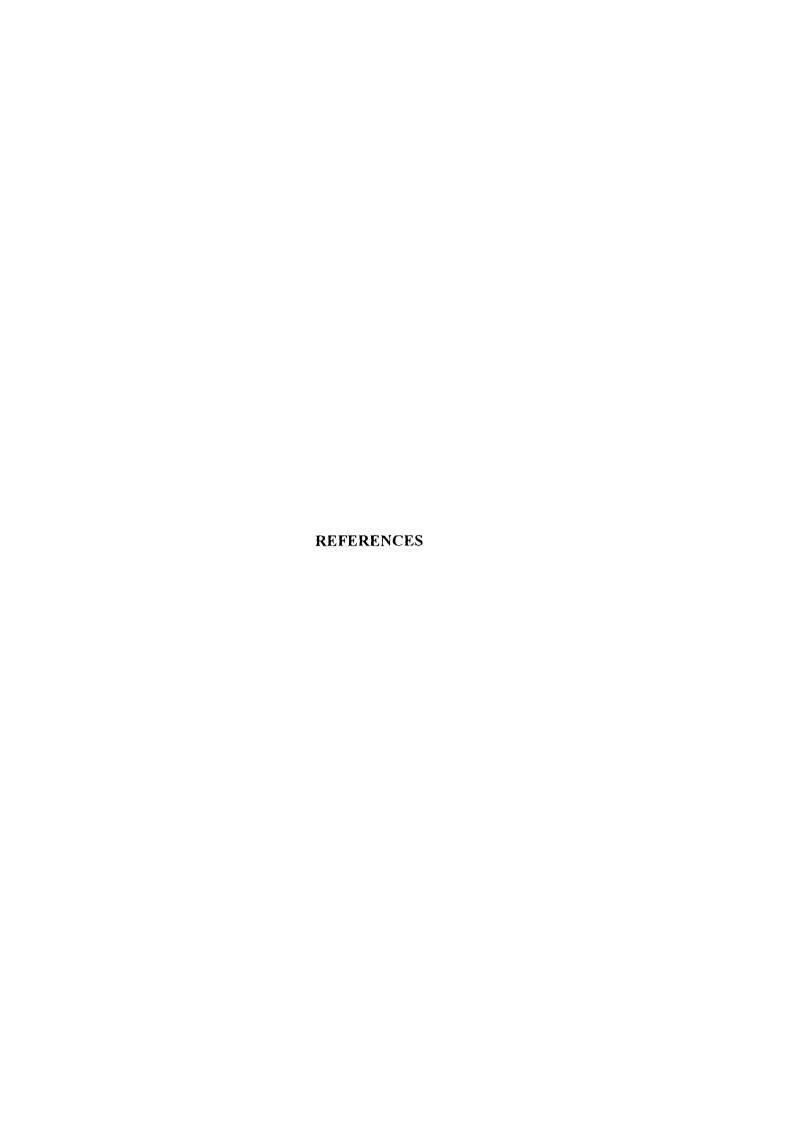
- 1. This study focused solely on the vocabulary of the reading passages in the textbook. Other parts such as the exercises that learners have to meet in their studying were not studied.
- 2. There was not any measurement of the students' knowledge of vocabulary.

 Thus, it would be impossible to study vocabulary development.

3. Suggestions for Further Studies

- 1. A further study should compare another English reading textbooks of Matthayomsuksa 5 to fully understand the difficulty of the textbook.
- 2. There should be a measurement of learners' vocabulary size to know their vocabulary proficiency.

In conclusion, words from the 23 reading passages provide sufficient vocabulary for students at this level. As known, frequency plays an important role in vocabulary acquisition. Therefore, teachers need to make a decision about what words are worth teaching. However, the target words appeared less frequently as it should be (many of the target words appeared only once). Thus, it is the task of the teachers to provide students input and find suitable learning strategies to deal with those words.



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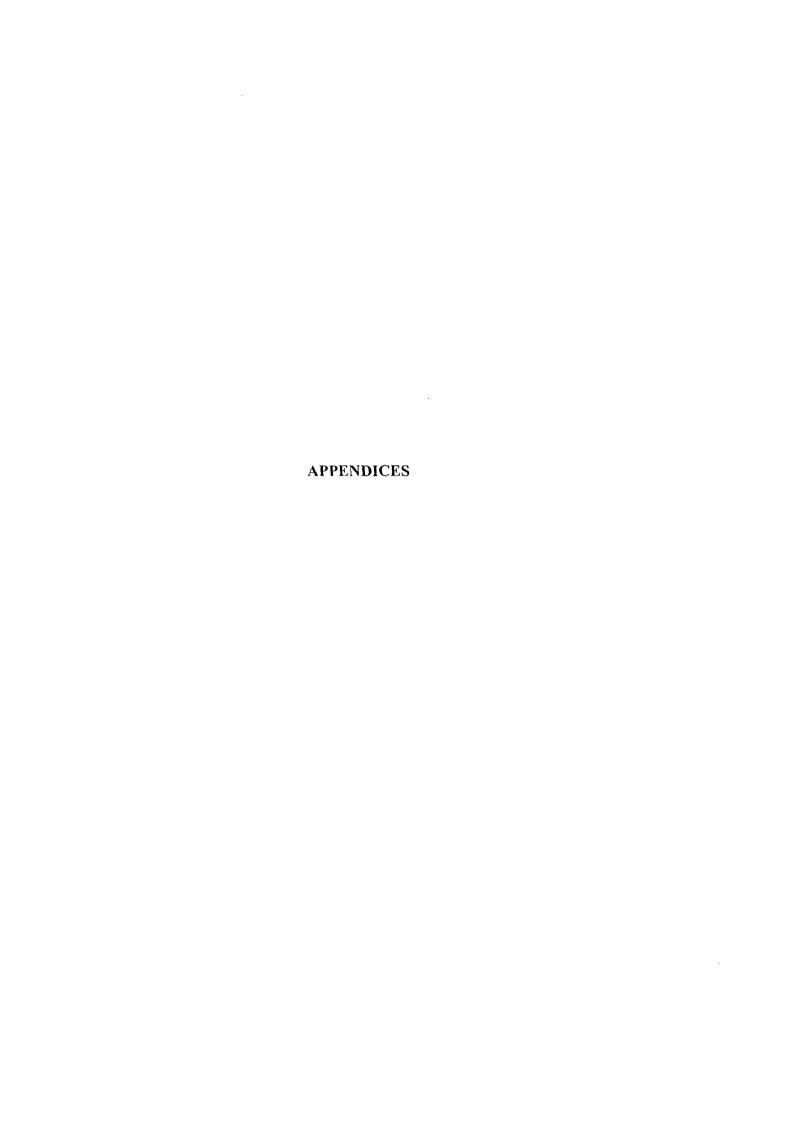
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APPENDIX A

The number of word tokens in the 23 reading passages in the four word lists

Danaga	Total	List	One	List	Two	List 7	hree	List	Four
Passage	Words	No.	%	No.	%	No.	%	No.	%
1	222	179	80.6	9	4.1	3	1.4	31	14.0
2	257	205	79.8	26	10.1	3	1.2	23	8.9
3	286	227	79.4	29	10.1	4	1.4	26	9.1
4	230	174	75.7	19	8.3	10	4.3	27	11.7
5	267	221	82.8	24	9.0	2	0.7	_20	7.5
6	405	307	75.8	46	11.4	14	3.5	38	9.4
7	566	456	80.6	20	3.5	23	4.1	67	11.8
8	419	314	74.9	18	4.3	3	0.7	84	20.0
9	354	291	82.2	26	7.3	4	1.1	33	9.3
10	336	265	78.9	24	7.1	4	1.2	43	12.8
11	96	77	80.2	7	7.3	1	1.0	11	11.5
12	597	444	74.4	32	5.4	47	7.9	74	12.4
13	942	824	87.5	48	5.1	8	0.8	62	6.6
14	746	531	71.2	59	7.9	37	5.0	119	16.0
15	378	313	82.8	26	6.9	20	5.3	19	5.0
16	796	641	80.5	82	10.3	3	0.4	70	8.8
17	369	269	72.9	41	11.1	12	3.3	47	12.7
18	507	435	85.8	42	8.3	9	1.8	21	4.1
19	538	440	81.8	37	6.9	18	3.3	43	8.0
20	398	298	74.9	25	6.3	22	5.5	53	13.3
21	378	300	79.4	20	5.3	23	6.1	35	9.3
22	685	582	88.4	23	3.5	_23	3.5	30	4.6
23	1158	831	71.8	93	8.0	69	6.0	165	14.2

APPENDIX B

The number of word types in the 23 reading passages in the four word lists

Doggoogo	Total	List	One	List	Two	List 7	hree	List	Four
Passage	Words	No.	%	No.	%	No.	%	No.	%
1	121	92	76.0	8	6.6	3	2.5	18	14.9
2	148	102	68.9	23	15.5	3	2.0	20	13.5
3	145	104	71.7	20	13.8	4	2.8	17	11.7
4	154	106	68.8	16	10.4	10	6.5	22	14.3
-5	156	118	75.6	20	12.8	2	1.3	16	10.3
6	205	137	66.8	25	12.2	14	6.8	29	14.1
7	263	188	71.5	16	6.1	18	6.8	41	15.6
8	243	157	64.6	15	6.2	3	1.2	68	28.0
9	203	152	74.9	20	9.9	4	2.0	27	13.3
10	195	138	70.8	23	11.8	4	2.1	30	15.4
11_	65	51	78.5	7	10.8	1	1.5	6	9.2
12	284	180	63.4	20	7.0	33	11.6	51	18.0
13	369	287	77.8	40	10.8	8	2.2	34	9.2
14	400	229	57.3	41	10.3	32	8.0	98	24.5
15	192	146	76.0	19	9.9	12	6.3	15	7.8
16	334	243	72.8	51	15.3	3	0.9	37	11.1
17	210	138	65.7	27	12.9	12	5.7	33	15.7
18	243	178	73.3	35	14.4	9	3.7	21	8.6
19	265	200	75.5	29	10.9	8	3.0	28	10.6
20	197	137	69.5	20	10.2	18	9.1	22	11.2
21	198	125	63.1	18	9.1	23	11.6	32	16.2
22	248	190	76.6	17	6.9	16	6.5	25	10.1
23	568	314	55.3	77	13.6	52	9.2	125	22.0

APPENDIX C

The number of word families in the 23 reading passages in the four word lists

Daggagg	Total	List	One	List	Two	List	Three
Passage	Words	No.	%	No.	%	No.	%
1	87	78	89.7	6	6.9	3	3.4
2	118	93	78.8	22	18.6	3	2.6
3	111	89	80.2	18	16.2	4	3.6
4	116	92	79.3	14	12.1	10	8.6
5	124	106	85.5	16	12.9	2	1.6
6	149	116	77.9	20	13.4	13	8.7
7	185	152	82.2	15	8.1	18	9.7
8	154	136	88.3	15	9.8	3	1.9
9	150	129	86.0	17	11.3	4	2.7
10	147	123	83.7	20	13.6	4	2.7
11	54	47	87.0	6	11.1	1	1.9
12	202	151	74.8	20	9.9	31	15.3
13	279	235	84.2	37	13.3	7	2.5
14	266	197	74.1	41	15.4	28	10.5
15	158	131	82.9	16	10.1	11	7.0
16	253	202	79.8	48	19.0	3	1.2
17	153	115	75.2	26	17.0	12	7.8
18	191	148	77.5	34	17.8	9	4.7
19	200	165	82.5	27	13.5	8	4.0
20	144	111	77.1	17	11.8	16	11.1
21	144	105	72.9	17	11.8	22	15.3
22	186	156	83.9	16	8.6	14	7.5
23	364	247	67.9	71	19.5	46	12.6

Notes: List 1 includes the most frequent 1,000 words of English.

List 2 includes the second 1,000 words of most frequent words.

List 3 includes academic words.

List Four includes Low frequent words or words which are not found in any three BaseLists.

APPENDIX D

Four lists of word types and three lists of word families

1. Word types found in List One.

	able	ahaya	nagant
a		above	accept
accept	accepted	accounts	actors
actually	adding	advantage	after
afterwards	aged	agency	agree
all	allowed	almost	alone
already	always	among	amount
an	ancient	and	answered
answering	anyone	anything	appearance
appeared	application	apply	are
arms	army	around	art
article	artist	arts	as
associated	at	attempt	away
b	based	be	beautiful
because	become	bed	been
began	begun	being	belief
believed	belonged	belonging	better
between	beyond	birds	blood
board	books	both	boxed
branch	bread	bright	bring
broken	brother	brought	build
building	built	businesses	businessman
by	c	calling	came
cannot	carry	case	catch
caught	cause	caused	causes
causing	central	centre	centres
certainly	change	changes	characteristics
characters	charged	charges	child
choices	claimed	claims	class
classified	clearer	close	colour
colours	come	companies	company
complete	completion	continued	controlled
controlling	cost	could	couldn
council	counting	coursed	covered
cross	crowd	crying	cutting
daily	dangerous	daughter	day
deals	dear	deaths	decide
decided	degrees	demand	demands
department	describe	described	detail
details	development	did	didn
disadvantage	disliked	distant	district
division	do	doctors	does
dog	dogs	doing	down
dog draw	drawing	drawn	drink
	_		
drings	dropped	due	e

each	ears	earth	easily
east	easy	eaten	eating
effective	effectiveness	efficient	either
else	end	enemy	enjoyed
enough	entered	entrance	entries
escaped	escapes	ever	everybody
everywhere	example	expenses	expression
extensive	eyes	fact	failing
fallen	familiar	families	family
famous	fast	fastest	father
feel			field
	feeling	feelings	
fighting	findings	first	flows
follow	foods	force	forced
foreigners	forgotten	forms	found
four	freely	friendly	further
g	gave	gentleman	gently
gifted	girl	glad	glass
god	gone	good	got
great	ground	grounds	groups
growing	growth	happened	happens
happily	happy	hard	have
having	he	head	heard
heart	heavy	here	herself
higher	him	his	home
honour	hope	hoped	hopes
hot	hour	hours	house
how	human	important	impossible
in	increased	independently	industrial
influenced	instead	interesting	introduced
its	joined	jointly	joy
judges	june	just	keep
keeping	kill	kind	lady
largely	largest	last	late
later	lawyers	leader	leads
leave	left	length	level
levels	lies	lift	lifting
like	likely	limited	line
lines	listening	literature	little
live	lived	living	local
locally	long	lose	losing
losses	loves	lying	m
machinery	makes	many	market
marketed	marriage	married	mary
mass	mastered	material	me
mean	means	members	memories
	men	might	minister
memory minutes		moments	
months	miss		money
	more	morning	most
mostly	mother	mountain	mountains
movements	moves	mr	mrs

music	name	national	nations
native	necessary	necessity	need
needn	neither	new	news
newspaper	newspapers	nine	no
nor	northern	not	now
numbers	0	occasionally	occasuibs
of	off	offer	offered
office	officers	offices	oh
old	older	once	one
ones	only	open	opened
operator	or	organize	other
our	out	over	paid
painting	part	particular	pass
past	pay	paying	peace
per	perhaps	personal	pictures
planned	plant	play	played
plays	point	pointed	poor
popular	position	possibilities	possibility
possible	post	pounds	powerful
powers	preparation	prepared	preparing
present	president	pressing	pretty
preventing	prevention	price	private
profits	progress	promising	protect
protecting	protection	proved	provide
purposes	put	putting	quality
questioned	questions	quite	raise
ranks	reach	reaching	reading
ready	real	realize	realized
realizing	really	receive	received
receives	recently	reconsider	records
reduce	reduced	reducing	refuse
regard	related	remain	remained
remembers	reported	reporters	represent
reserving	resulted	ride	rising
rivers	roll	room	round
run	S	safe	safety
sail	schools	science	seat
seats	seconds	secretary	seems
sell	September	service	setting
settles	seven	shake	shing
ship	showing	sides	sight
sign	silence	silver	simple
simply	since	singers	sir
sister	sit	sits	situated
situation	sleep	smiling	snow
SO	social	society	sold
someone	something	<u> </u>	solu south
southeast	speaking	song	
spending		speed spite	spend
• -	spent		spoken
spots	spotted	stage	stages

started stations standing start stopped still stop step stopping stops stored story strength student strangers strong studies studying substance studied successful successfully suffer succeeded sunshine suggestion sunlight suggested suppose supposed sure supports surprise surprising surprisingly sweets table take system systems teach teacher talk talking tentesting teachers teaching tears there that themselves then think therefore they thing thousand thought third thirty three threw through Thursday time till Thursdays thus told too today together topped towards took top training tree true town turned truth try turn twelve two under u unless understand unemployment unity upside until upon up using used uses us value variety various view villagers visitors voters wages walked walking walks want wants was watch we welcome well ∿ ent wealthy when were western what whenever where whether who wild wind willingness wildly wonder window with within wondered wonderful wondering work worked workers would wounded writing you young years yourself youth younger youngest

2. Word types found in List Two

admirable	advertisements	advise	aeroplanes
afford	afraid	aims	amusement
anger	annoyed	ashamed	attend
attended	attract	attractive	avoid
baby	bell	bitterly	block
boldly	bottle	brains	brown
burst	bush	busy	camera
cameras	card	cat	cats

chains cheapest chicken cleaning climbed coffee competition complaining conversations conversation criminal cure danced decay delighted deserve discuss discussed diseases disturbing engineering empty examined excellent feathers film fond frighten government grand hair guard hat healthy hurried imitated insect invent invited iaws kilometer leather listed lists luckily lunch meat message multiplying necks obedience opposed package pale paused peculiarities photographers picked planes policeman probability programmes qualification qualifications rapidly refer rope sample searching self shop shoppers slope slower spoiled steadily strip strips suitable supper tastes tea ticket tied tobacco toes tracking uncle

wandered

worshipped

cheque clever combined composer courage customers defence disappointing discussing during exactly fat films frightened grandfather handle hesitate improvement invented journeyed legs lot mail messages neglected origin parks perform pity poured proud qualified restaurant search shade shut slowly stiff suddenly suspects thanks tip tomorrow universal

weight

weapons

wrapped

cheques climb compared convenient creature dance defending disapproval diseased earned examination faults firm frightening graves narm hunter improving invention kicked limb loud managers motionless nested overcame patient performances plane prefer pupil rapid risks searched sharply

skin

strap

sugar

theatre

tail

title

tools

unlucky

widow

spitting

3. Word types found in List Three

adapt assists automatic capacities commencing computer conference contemporary couple decade design devoted energetic equipment external founded guidelines impact innovative intelligence investment logic methods mutually paralleled philosophers primary promoted relaxed requires restrained selected stresses tape undertake

adapted assumed available categories compatible computers consists contrasting creation decades designed displayed energy evidence facilitate funding grade income inspectors intelligent invisible medical migrated obtain participation pose prior promotion released research role source style

technology

unique

aid assured awareness challenge compensate concentrating constant convincing cultural definite designing emerged environment exceeding fees generation guidelines initial instance investigating job medically minimal obviously percent potential professional pursuing require researchers schedules strategists submit topic

briefed civil compound conducted contact correspondence culture derived despite emphasized environmental exhibition finally grade ignores irjuries instruction investigation linking mental mutual options period predicts professionals quoted required residential scheme stress substitute traced

appreciation

authorities

4. Word families in List One

a able accord actor admit adopt agent agree almost alone among amount apply arm art article at attempt above
actual
advantage
all
already
ancient
army
as
away

varied

accept add after allow always and around associate babase

l	la a a a conse	1	Is a al
be below w	because beside	become	bed
belong		between	blood
blow	board	both	branch
bread	break	bright	bring
brother	build	buy	by
c .	car	carry	case
catch	cause	centre	change
character	child	choose	claim
class	clear	close	cloud
colour	come	company	complete
contain	continue	cost	could
council	count	cover	cross
crowd	danger	daughter	day
dead	deal	dear	decide
declare	demand	department	depend
describe	detail	die	difference
direct	discover	district	divide
do	dog	dollar	down
draw	drink	drop	due
duty	e	each	ear
earth	east	easy	efficient
eight	either	else	employ
end	enemy	enjoy	enough
enter	equal	event	ever
example	exercise	expense	experiment
extend	fact	fail	familiar
family	famous	fast	father
feel	field	fight	fill
first	fix	flow	flower
fly	follow	force	forget
fortune	four		gentle
girl	glad	g glass	god
good	-		_
•	great	ground hard	hang
happen he	happy		have
	head	hear	l.eart
heavy	here	hold	home
honour	hope	hot	hour
house	how	human	husband
ill	important	in	include
independent	influence	instead	introduce
joint	jointed	joy	judge
june	just	keep	kill
kind	lady	last	late
law	lead	leave	left
length	level	lie	lift
like	likely	limit	line
lip	listen	literature	little
live	local	long	lose
loss	m	many	market
marry	mass	material	mean

meet	member	memory	might
minister	miss .	mister	money
more	morning	most	mother
mountain	mrs	music	name
native	necessary	necessity	need
neighbour	neither	new	news
newspaper	nine	no	nor
north	not	now	0
object	occasion	of	off
offer	office	oh	old
once	one	only	open
operate	or	organize	other
out	over	paint	part
particular	pass	past	pay
peace	per	perhaps	picture
plain	plant	play	point
political	poor	popular	position
possess	possible	post	undدن
power	prepare	present	president
press	press	pretty	price
private	profit	progress	promise
proper	protect	provide	pull
purpose	put	quality	quite
raise	rank	reach	ready
real	realize	really	receive
recent	reduce	refuse	regard
relation	relative	remain	remember
reply	report	represent	reserve
respect	ride	rise	river
roll	room	round	rule
run	safe	sail	science
seat	secretary	seem	sell
September	serve	service	settle
seven	shake	shine	ship
side	sight	sign	silence
silver	simple	since	sir
sister	sit	situation	sleep
smile	snow	SO	social
society	soldier	south	speak
speed	spend	spite	stage
start	station	step	still
stop	story	strength	strong
student	substance	succeed	suffer
suggest	sun	Sunday	support
suppose	sure	surprise	system
table	take	talk	teach
ten	then	there	therefore
they	thing	think	thirty
thousand	three	through	throw
Thursday	thus	till	time

today together too top toward town tree true twelve turn try two under understand unite u until unless up upon value variety various usual view visit vote wage watch we wealth want welcome wear well western what when where whether who wild win wind window with within wonder wood work would wound vou young vouth

5. Word families in List Two

advertise advice afford afraid aim amuse anger annoy ashamed approve arrest attend attract audience avoid baby balance basket bell bit bitter block bottle brown burst bush busy camera card check cheque cat chicken clean clever climb coffee combine collect comb competition commerce compare complain compose confidence convenience conversation courage creature criminal cure curtain customer dance decay decrease defend delight acserve disappoint disturb discuss during educate electric empty engine especial exact examining excellent faint fan fat fault feather film finger firm flash old fond float grand fright govern gay grave guard hair guest handle harm hat hesitate honest hunt hurry imagine immediate improve inform imitate intend invent insect insure jaw journey kick invite kilometer knee leather leg lock lone limb list luck lunch lot loud mail meat message manage

mix neglect oppose pale perform plane prefer quick request sad shade slope steady sudden taste ticket tobacco trick weak witness wrist

moderate nest origin patient persuade poison probable rapid restaurant sample shop spell stiff sugar tea tie toe

uncle

worry

weapon

nurse pack pause photograph pour proud rare rope search shut spit strap supper tender tip tomorrow

universe

worship

weigh

affect

appreciate

motion

obey pain peculiar pity practice pupil refer rush self skin spoil strip tail theatre titie tool wake widow wrap

aid

assist

automate

multiply

achieve

6. Word families in List Three

analyse assume available challenge compatible concentrate consist contribute couple definite detect emerge eventual exhibit fee fund ignorant initial instance invest link mental

mutual

option

adapt annual assure brief civil compensate conclude constant convince create derive device energy evident external final generation impact injure instruct investigate locate

migrate

obtain

orient

authority capacity commence compound conduct contact cooperate culture design devote environment exceed facilitate founded grade impose innovate intelligence involve logic minimal obvious parallel

category commit **compute** confer contemporary correspond decade despite economy equip exclude factor function guideline income inspect intense job medical monitor occur percent

period philosophy predict previous professional prospect quote react require research role schedule similar select style stress technique tape trace transport visible vary

potential pose primary prior psychology pursue relax release reside restrain scheme secure strategy source submit substitute technology topic undertake unique



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