

CONTENTS

	Page
บทคัดย่อ.....	(3)
Abstract	(5)
Acknowledgement.....	(7)
Contents.....	(8)
List of Tables.....	(12)
List of Figures.....	(14)
Chapter	
1. Introduction	1
1.1 Rationale of the Study.....	1
1.2 Purposes of the Study.....	3
1.3 Definitions of Terms.....	4
1.4 Scope and Limitations of the Study.....	4
1.5 Expected Results.....	5
2. Review of Literature and Related Research	6
2.1 Cognitive Views on Second and Foreign Language Vocabulary Acquisition.....	6
2.1.1 Noticing and Attention.....	6
2.1.2 Implicit and Explicit Learning.....	8
2.1.3 Levels of processing Theory.....	8
2.2 Intentional and Incidental Learning.....	10
2.2.1 Intentional Vocabulary Learning.....	10
2.2.2 Incidental Vocabulary Learning.....	11
2.3 Computer-Assisted Language Learning and Vocabulary Acquisition.....	13
3. Research Methodology	18
3.1 Subjects of the Study.....	18
3.2 Research Instruments.....	18

CONTENTS (Continued)

3.2.1 The CALL Reading Package.....	18
3.2.1.1 Construction of the CALL Reading Package.....	18
3.2.1.2 Description of the CALL Reading Package.....	20
3.2.2 Vocabulary Tests.....	27
3.2.3 Questionnaire.....	27
3.2.4 Informal Interviews.....	27
3.3 Research Procedure.....	28
3.3.1 Introductory Phase.....	28
3.3.2 Reading Comprehension Phase.....	29
3.3.3 Delayed Vocabulary Phase.....	29
3.3.4 Questionnaire Response Phase.....	29
3.3.5 Informal Interviews Phase.....	30
3.4 Data Analysis Procedure.....	30
4. Findings	32
4.1 The Levels of Vocabulary Acquisition and Retention.....	32
4.1.1 The Levels of Vocabulary Acquisition.....	33
4.1.2 The Levels of Vocabulary Retention.....	33
4.1.3 The Relationship between Vocabulary Acquisition and Retention Levels.....	34
4.2 The Relationship between Look up Behavior and Levels of Vocabulary Acquisition and retention.....	36
4.2.1 The Relationship between the Number of Words Looked up and the Vocabulary Acquisition and Retention Scores.....	37
4.2.2 The Relationship between the Frequency of Looking ups and the Vocabulary Acquisition and Retention Scores.....	38
4.2.2.1 Frequency of Looking ups.....	38
4.2.3 The Comparison of Levels of Vocabulary Acquisition with Retention of Different Look up Types.....	40
4.2.3.1 Distribution of Look up Types.....	40

CONTENTS (Continued)

4.2.3.2 The Comparison of Levels of Vocabulary Acquisition with Retention of L1 Type.....	41
4.2.3.3 The Comparison of Levels of Vocabulary Acquisition with Retention of L1+ Type.....	42
4.2.3.4 The Comparison of Vocabulary Acquisition between L1 and L1+Types.....	43
4.2.3.5 The Comparison of Vocabulary Retention between L1 and L1+Types.....	44
4.3 The Students' Attitudes towards the Provision of Lexical Information in the CALL Reading Package.....	46
4.3.1 Attitudes towards Vocabulary Knowledge in Reading Comprehension.....	46
4.3.2 Attitudes towards the Provision of Lexical Information.....	48
4.3.3 Attitudes towards the Use of Multiple Lexical Information Options Provided.....	49
4.3.4 Attitudes towards Types of Lexical Information in Helping Vocabulary Acquisition and Retention.....	50
4.3.5 Attitudes towards the CALL Reading Package.....	51
4.3.6 Comments and Suggestions for the CALL Reading Package.....	51
5. Discussion	57
5.1 Vocabulary Acquisition and Retention.....	57
5.2 The Relationship between Look up Behavior and Levels of Vocabulary Acquisition and Retention	62
5.3 The Students' Attitudes towards the Provision of Lexical Information in the CALL Reading Package.....	67
6. Summary, Implications and Recommendations	71
6.1 A Summary of Research Findings.....	71
6.2 Implications.....	73

CONTENTS (Continued)

6.3 Recommendations for Further Research.....	74
Bibliography.....	76
Appendices	81
A. Three Reading Articles.....	81
B. Words Checklist for Teachers.....	97
C. Immediate Vocabulary Tests.....	100
D. Delayed Vocabulary Test.....	104
E. Questionnaire.....	106
F. Interview Questions.....	110
Vitae.....	112

LIST OF TABLES

Tables	Page
3.1 Criteria for Rating Scale Interpretation	31
4.1 The Levels of Vocabulary Acquisition.....	33
4.2 The Levels of Vocabulary Retention.....	34
4.3 Differences between Vocabulary Acquisition and Retention Levels.....	35
4.4 Correlation between the Number of Words Looked up and Vocabulary Acquisition and Retention Scores.....	37
4.5 Frequency of Looking ups.....	38
4.6 Correlation between the Frequency of Looking ups and the Vocabulary Acquisition and Retention Scores.....	39
4.7 Distribution of Look up Types.....	41
4.8 The Comparison of Levels of Vocabulary Acquisition with Retention of L1 Type.....	42
4.9 The Comparison of Levels of Vocabulary Acquisition with Retention of L1+ Type.....	43
4.10 The Comparison of Vocabulary Acquisition between L1 and L1+ Types.....	44
4.11 The Comparison of Vocabulary Retention between L1 and L1+ Types.....	45
4.12 Attitudes towards Vocabulary Knowledge in Reading Comprehension.....	47
4.13 Attitudes towards the Provision of Lexical Information.....	48
4.14 Attitudes towards the Use of Multiple Lexical Information Options Provided.....	49
4.15 Attitudes towards Types of Lexical Information in Helping Vocabulary Acquisition and Retention.....	50

LIST OF TABLES (Continued)

Tables	Page
4.16 Attitudes towards the CALL Reading Package.....	51
4.17 Comments and Suggestions for the CALL Reading Package.....	52
4.18 Examples of Students' Reasons.....	54

LIST OF FIGURES

Figures	Page
3.1 A Pre-Reading Question.....	21
3.2 A Reading Text with Highlighted Unfamiliar Words.....	22
3.3 Word Shown with Various Types of Lexical Information.....	23
3.4 The True/False Exercise.....	24
3.5 The Multiple Choice Exercise.....	25
3.6 The Summary Exercise.....	25
3.7 A Student Log File.....	26