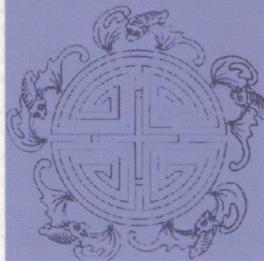


EARLY STAGES OF TEMPORAL DEVELOPMENT
IN CHINESE-ENGLISH INTERLANGUAGE



牛毓梅 \ 著

中国学生早期英语过渡语中 时体习得状况研究



中国社会科学出版社

EARLY STAGES OF TEMPORAL DEVELOPMENT
IN CHINESE-ENGLISH INTERLANGUAGE



牛毓梅 \ 著

中国学生早期英语过渡语中 时体习得状况研究

中国社会科学出版社

图书在版编目 (CIP) 数据

中国学生早期英语过渡语中时体习得状况研究 / 牛毓梅著 .

北京：中国社会科学出版社，2009.1

ISBN 978 - 7 - 5004 - 7626 - 9

I. 中… II. 牛… III. 英语 - 学习方法 - 研究 - 中国
IV. H319.3

中国版本图书馆 CIP 数据核字 (2009) 第 022388 号

出版策划 任 明

特邀编辑 卓 然

责任校对 安 树

技术编辑 李 建

出版发行 中国社会科学出版社

社 址 北京鼓楼西大街甲 158 号 邮 编 100720

电 话 010 - 84029450 (邮购)

网 址 <http://www.csspw.cn>

经 销 新华书店

印 刷 北京奥隆印刷厂 装 订 广增装订厂

版 次 2009 年 1 月第 1 版 印 次 2009 年 1 月第 1 次印刷

开 本 850 × 1168 1/32

印 张 6.5 插 页 2

字 数 177 千字

定 价 23.00 元

凡购买中国社会科学出版社图书，如有质量问题请与本社发行部联系调换

版权所有 侵权必究

List of Abbreviations

ACC	Accomplishment
ACH	Achievement
ACT	Activity
AGR	Agreement
/d/	Past form with /d/ ending
DISAGR	Disagreement
DD	Dissertation Data
EFL	English as a foreign language
ESL	English as a second language
ET	Event Time; Event time system
EXCLD	Excluding
fv	Finite verb
/id/	Past form with /id/ ending
INT VWL	Past form with internal vowel change
L1	First language
L2	Second language
No.	Number
NON-SLBC	Non-syllabic
RPLCV	Replacive past form
RT	Reference Time; Reference time system
RTf	Free reference time system
RTi	Initial reference time system
SPLTV	Suppletive past form

ST	Speech Time; Speech time system
STA	Stative
SLBC	Syllabic
/t/	Past form with /t/ ending
VWL + SFX	Past form with internal vowel change plus suffix
YRS	Years of age

CONTENTS

List of Abbreviations	(1)
List of Tables	(3)
List of Figures	(7)
CHAPTER ONE INTRODUCTION	(1)
1. 1 Significance of the Study of Temporality	(1)
1. 2 Significance of the Present Study	(3)
1. 3 Outline of the Book	(7)
CHAPTER TWO THEORETICAL BACKGROUND	(9)
2. 1 Temporal Semantics and the Tense-aspect System	(9)
2. 1. 1 Time Specification and Expressions of Temporal Relations	(10)
2. 1. 2 The Tense-Aspect Morphology of Past in English	(18)
2. 2 Lexical Aspect: The Inherent Temporal Properties	(21)
2. 2. 1 Lexical Aspect versus Grammatical Aspect	(22)
2. 2. 2 Inherent Aspectual Classification of Verbs on Time Schemata	(23)
2. 2. 3 Inherent Semantic Aspectual Properties of Verbs	(27)
2. 2. 4 Distinctions of Lexical Aspects by Semantic Properties	(29)
2. 2. 5 Diagnostic Tests of Lexical Aspectual Categories	(31)

2.3 Chapter Summary	(40)
CHAPTER THREE PREVIOUS STUDIES ON ACQUISITION OF TEMPORALITY	(42)
3.1 Studies on Acquisition Stages of Temporality	(43)
3.1.1 Developmental Stages of Temporal System in L1	(43)
3.1.2 Developmental Stages of Temporal Acquisition in L2	(45)
3.2 Studies on Acquisition Order of Past Morphology: A Formal Perspective	(52)
3.2.1 Acquisition of Irregular and Regular Past Morphology	(52)
3.2.2 The Principle of Saliency	(55)
3.3 Studies on Lexical Aspect: A Semantic Perspective	(59)
3.3.1 The Defective Tense Hypothesis	(60)
3.3.2 The Primacy of Aspect Hypothesis	(62)
3.3.3 The Aspect Hypothesis	(63)
3.3.4 Principles Underlying Tense-Aspect Acquisition	(67)
3.4 Review of Research Methodology in Temporal Studies	(73)
3.4.1 Longitudinal versus Cross-sectional Studies	(73)
3.4.2 Individual versus Group Data	(75)
3.4.3 Data Elicitation Tasks	(76)
3.5 Chapter Summary	(78)
CHAPTER FOUR METHODOLOGY	(81)
4.1 Research Hypotheses	(81)
4.2 Participants	(84)
4.3 Data Elicitation	(86)
4.3.1 The Task	(86)
4.3.2 Elicitation Procedure	(87)

4.4 Data Coding	(87)
4.4.1 Identification of Obligatory Simple Past Contexts	(88)
4.4.2 Coding for Features of Phonetic Saliency	(90)
4.4.3 Coding for Lexical Aspectual Categories	(92)
4.4.4 Coding for Verb Type	(96)
4.5 Data Analysis	(97)
4.5.1 Selection of Data for Analysis	(98)
4.5.2 Tests for Bias of the Selected Data	(104)
4.5.3 Division of Participants for the Cross-sectional Study	(108)
4.5.4 Data Processing	(110)
4.6 Chapter Summary	(111)
CHAPTER FIVE RESULTS AND FINDINGS	(112)
5.1 Results from Analyses of Phonetic Saliency	(112)
5.1.1 Results from the Overall Descriptive Study: Evidence for Hypothesis 1	(112)
5.1.2 Results from the Cross-sectional Study Across the Five Proficiency Groups: Evidence for Hypothesis 2	(123)
5.2 Results from Analyses of Lexical Aspect	(137)
5.2.1 Results from the Overall Descriptive Study: Evidence for Hypothesis 3	(138)
5.2.2 Results from the Cross-sectional Study: Evidence for Hypothesis 4	(142)
5.3 Chapter Summary	(149)
CHAPTER SIX DISCUSSION	(151)
6.1 The Effect of Phonetic Saliency	(151)
6.1.1 The Irregular versus Regular Constraint	(152)

6.1.2	The Constraint of Saliency on Irregular Variants	(155)
6.1.3	The Constraint of Saliency on Regular Variants	(157)
6.2	The Effect of Lexical Aspect	(159)
6.3	A General Discussion	(163)
6.4	Chapter Summary	(165)
CHAPTER SEVEN CONCLUSION	(166)
7.1	Major Findings	(166)
7.2	Pedagogical Implications	(169)
7.3	Limitations and Suggestions for Future Studies	(171)
BIBLIOGRAPHY	(174)
APPENDIX Data Collection Task	(189)
ACKNOWLEDGEMENTS	(191)

List of Tables

Table 2. 1	Tense and Adverbial Relations	(12)
Table 2. 2	Possible Combinations of Tense and Aspect in English	(18)
Table 2. 3	The Relationship Between the Semantic Properties and the Aspectual Categories	(31)
Table 3. 1	The Spread of Past Morphology from 0-inflection to Target-like Acquisition	(65)
Table 3. 2	Distribution of Past and Present Inflections by Aspectual Class for Both L1 and L2 Learners Following the Aspect Hypothesis	(67)
Table 4. 1	The Saliency Hierarchy of Phonetic Features of the Simple Past Morphology	(92)
Table 4. 2	Inter-rater Reliability Test for Classification of Lexical Aspect	(96)
Table 4. 3	Distribution of Samples by Length of Composition Before Selection	(98)
Table 4. 4	Distribution of Accuracy Rates by Classification of Phonetic Saliency Before Selection	(101)
Table 4. 5	Distribution of Appropriacy Rates by Classification of Lexical Aspect Before Selection	(102)
Table 4. 6	The Use of Past Morphology by Male and Female Participants (by classification of phonetic saliency)	(104)

- Table 4. 7 The Use of Past Morphology by Male and Female Participants (by classification of lexical aspect) (105)
- Table 4. 8 The Use of Past Morphology by Different Length of English Study (by classification of phonetic saliency) (106)
- Table 4. 9 The Use of Past Morphology by Different Length of English Study (by classification of lexical aspect) (107)
- Table 4. 10 Distribution of Participants by Rate of Past Tense Use Based on Classification of Phonetic Saliency (108)
- Table 4. 11 Distribution of Participants by Rate of Past Tense Use Based on Classification of Lexical Aspect (109)
- Table 5. 1 Distribution of Irregular and Regular Past Morphology (overall study; token analysis) (113)
- Table 5. 2 Distribution of Irregular and Regular Past Morphology (overall study; type analysis) (114)
- Table 5. 3 Distribution of the Simple Past Morphology of Irregular Variants (overall study; token analysis) (115)
- Table 5. 4 Distribution of the Simple Past Morphology of Irregular Variants (overall study; type analysis) (116)
- Table 5. 5 Distribution of the Simple Past Morphology of Regular Variants (overall study; token analysis) (118)

Table 5. 6	Distribution of the Simple Past Morphology of Regular Variants (overall study; type analysis)	(119)
Table 5. 7	A Summary of the Simple Past Marking Across All Variants by Phonetic Saliency (overall study; token analysis)	(120)
Table 5. 8	A Summary of the Simple Past Marking Across All Variants by Phonetic Saliency (overall study; type analysis)	(121)
Table 5. 9	The Overall Developmental Tendency of the Simple Past Marking Across All Variants by Phonetic Saliency (overall study; token analysis)	(121)
Table 5. 10	The Overall Developmental Tendency of the Simple Past Marking Across All Variants by Phonetic Saliency (overall study; type analysis)	(122)
Table 5. 11	Results from the Cross-sectional Study of the Distribution of Irregular and Regular Past Morphology (token analysis)	(124)
Table 5. 12	Results from the Cross-sectional Study of the Distribution of Irregular and Regular Past Morphology (type analysis)	(125)
Table 5. 13	Results from the Cross-sectional Study of the Distribution of Irregular Variants of the Simple Past Morphology (token analysis)	(127)
Table 5. 14	Results from the Cross-sectional Study of the Distribution of Irregular Variants of the Simple Past Morphology (type analysis)	(130)
Table 5. 15	Results from the Cross-sectional Study of the Distribution of Regular Variants of the Simple	

	Past Morphology (token analysis)	(133)
Table 5.16	Results from the Cross-sectional Study of the Distribution of Regular Variants of the Simple Past Morphology (type analysis)	(135)
Table 5.17	Distribution of the Simple Past Morphology by Lexical Aspect (overall study; token analysis)	(138)
Table 5.18	Comparison of the Past Tense Use of Statives and BE (token analysis)	(139)
Table 5.19	Distribution of the Simple Past Morphology by Lexical Aspect (BE excluded from Statives) (overall study; token analysis)	(140)
Table 5.20	Distribution of the Simple Past Morphology by Lexical Aspect (overall study; type analysis)	(141)
Table 5.21	A Comparison of the Past Tense Use of Statives and BE (type analysis)	(141)
Table 5.22	Distribution of the Simple Past Morphology by Lexical Aspect (BE excluded from Statives) (overall study; type analysis)	(141)
Table 5.23	Results from the Cross-sectional Study of the Distribution of the Simple Past Morphology by Lexical Aspect (token analysis)	(144)
Table 5.24	Results from the Cross-sectional Study of the Distribution of the Simple Past Morphology by Lexical Aspect (type analysis)	(147)

List of Figures

- Figure 2. 1 Classification of Aspectual Oppositions (17)
- Figure 3. 1 Relationship Between the Development of
Cognition and Temporal Expression (46)
- Figure 3. 2 Extension from Prototype to Marginal Members
for English Past Morphology (71)
- Figure 3. 3 Extension from Prototype to Marginal Members
for English Progressive Morphology (72)
- Figure 4. 1 Distribution of Samples by Length of Composition
Before Selection (99)
- Figure 4. 2 Distribution of Samples by Length of Composition
After Selection (100)
- Figure 4. 3 Distribution of Accuracy Rates by Classification of
Phonetic Saliency Before Selection (100)
- Figure 4. 4 Distribution of Accuracy Rates by Classification of
Phonetic Saliency After Selection (102)
- Figure 4. 5 Distribution of Appropriacy Rates by Classification
of Lexical Aspect Before Selection (103)
- Figure 4. 6 Distribution of Appropriacy Rates by Classification
of Lexical Aspect After Selection (103)
- Figure 5. 1 A Summary of the Simple Past Marking Across All
Variants by Phonetic Saliency (overall study;
token and type analyses compared) (121)
- Figure 5. 2 The Developmental Tendency of the Simple Past

- Marking Across All Variants by Phonetic Saliency
(overall study; token and type analysis compared) (122)
- Figure 5. 3 Distributional Pattern of Irregular Past Variants in
Each Proficiency Group (cross-sectional study;
token analysis) (129)
- Figure 5. 4 Developmental Trend of Each of the Irregular Past
Variants Across Proficiency Groups (cross-
sectional study; token analysis) (129)
- Figure 5. 5 Distributional Pattern of Irregular Past Variants in
Each Proficiency Group (cross-sectional study;
type analysis) (131)
- Figure 5. 6 Developmental Trend of Each of the Irregular Past
Variants Across Proficiency Groups (cross-
sectional study; type analysis) (132)
- Figure 5. 7 Distributional Pattern of Regular Past Variants in
Each Proficiency Group (cross-sectional study;
token analysis) (134)
- Figure 5. 8 Developmental Trend of Each of the Regular Past
Variants Across Proficiency Groups (cross-
sectional study; token analysis) (134)
- Figure 5. 9 Distributional Pattern of Regular Past Variants in
Each Proficiency Group (cross-sectional study;
type analysis) (136)
- Figure 5. 10 Developmental Trend of Each of the Regular Past
Variants Across Proficiency Groups (cross-
sectional study; type analysis) (136)
- Figure 5. 11 Distributional Pattern of the Simple Past Marking
by Lexical Aspect in Each Proficiency Group

- (cross-sectional study; token analysis) (145)
- Figure 5.12 Developmental Trend of Each of the Lexical Categories Across Proficiency Groups (cross-sectional study; token analysis) (145)
- Figure 5.13 Distributional Pattern of the Simple Past Marking by Lexical Aspect in Each Proficiency Group (cross-sectional study; type analysis) (148)
- Figure 5.14 Developmental Trend of Each of the Lexical Categories Across Proficiency Groups (cross-sectional study; type analysis) (149)

CHAPTER ONE

INTRODUCTION

Temporality has been the focus of study in first and second language acquisition due to its importance in verbal communication and language study. Studies on temporal acquisition have revealed the problems in the learning process and helped seek for solutions to facilitate language acquisition. The present study is targeting at how the Chinese learners of English as a foreign language acquire the English tense-aspect system by looking at the two important linguistic constraints on the simple past marking and their developmental trends along with the rise of the learners' proficiency level.

1. 1 Significance of the Study of Temporality

The expression of temporality is an essential feature of utterances in all languages, which is a fundamental category of human experience and cognition. Temporality is obligatory: each finite verb obligatorily includes temporal information (except in a very few languages such as Chinese, where verbs do not inflect for tense) (Klein, 1994). All human languages have developed a wide range of devices to express temporality. Individual languages differ with respect to (a) the specific temporal notions and relations expressed and (b) the ways in which they are expressed (e.g., whether by discourse-pragmatic strategies, word order principles, lexical and morphosyntactic devices or combinations thereof)