

CONTENTS

Foreword	7
1 Introduction	8
1.1 Preliminary Remarks	8
1.2 Vowels in Standard New High German	9
1.3 Statement of the Problem	19
1.4 Object of this Study	24
2 Experimental Design	25
2.1 Approach to the Problem	25
2.2 Selection of Material	28
2.3 Generation of the Samples	32
2.4 Analysis Procedures	44
2.4.1 Measurement of Quality	44
2.4.2 Measurement of Duration	58
2.5 Instrumentation	63
3 Structure and Administration of the Test	64
3.1 Selection of Samples to Comprise the Corpus of the Test	64
3.2 Re-recording Procedure and Instrumentation	91
3.3 Selection of the Subjects	93
3.4 Structure and Procedure of Administering the Test	98
3.5 Content of the Listening Test	102
3.6 Instrumentation	115
4 Result of the Test	116
4.1 Tabulation of All Subject Responses	116
4.1.1 Correlation of Answers on the Basis of Dialect Background	136
4.1.2 Consistency of Individual Responses	136
4.2 Analysis of Individual Responses	137
4.2.1 Grouping of Individual Perception of the Vowel Variants	159
4.2.2 Some Specific Remarks on Individual Responses and Inconsistencies	161
4.2.3 Correlation of Individual Production to Perception of German Vowels	165
4.3 Collective Parameters	173
4.3.1 General Comments on the Correlation of Subject Responses	185
4.3.2 Duration and Quality of Items with 100% Agreement ..	192
4.3.3 Representation of the Methods	194

5 Conclusion	216
5.1 Shortcomings of the Test	216
5.2 General Findings	218
5.3 More Specific Findings	220
5.4 Possible Applications	221
5.5 Closing Statement	222
Bibliography	225
Appendix	236