

TABLE OF CONTENTS

PREFACE	7
PART I. AN OVERVIEW	
THEORETICAL CONSIDERATIONS	13
The Acoustic Theorists	13
The Information Theorists	16
The Physiological Theorists	21
EXPERIMENTAL EVIDENCE	25
Temporal Succession	25
Temporal Ordering and Patterning	29
LINGUISTIC ASPECTS	37
CLINICAL CONSIDERATIONS	40
PART II. AN INVESTIGATION	
PROBLEM AND PROCEDURE	47
Design of the Experimental Sequence	48
Composition of Stimulus Tapes	50
Recording	50
Onset-Timing	52
Composition of Master Tapes	56
Testing of Subjects	59
RESULTS	62
DISCUSSION	82
The Inferior Paired Nasals	82
The Superior r/Nasal Pairs	84

The Superior Nasal/r Pairs	86
The Other Phoneme Pairs	89
The Pure-tone Pair	93
SUMMARY	95

PART III

THEORETICAL IMPLICATIONS	99
------------------------------------	----

APPENDICES

APPENDIX A. The Pilot Investigations	107
APPENDIX B. Description of Major Instrumentation	114
BIBLIOGRAPHY	122