

TABLE OF CONTENTS

	Pages
I. RESEARCH TECHNIQUES FOR PHONETIC COMPARISON OF LANGUAGES	
Introduction	7
The Laboratory and its Techniques	8
Divisions of Research	11
 II. COMPARING THE PROSODIC FEATURES OF ENGLISH, GERMAN, SPANISH AND FRENCH	
1. Declarative Intonation	23
2. Non-Declarative Intonation	28
3. The Place of Logical Stress in the Word	28
4. The Place of Logical Stress in the Sense Group	30
5. The Nature of Logical Stress	33
6. The Place of Emphatic Stress	34
7. The Nature of Emphatic Stress	34
8. Variations in Syllable Weight	34
9. Internal Juncture and Syllabication	36
10. Syllable Types	39
11. Tenseness	43
 III. COMPARING THE VOCALIC FEATURES OF ENGLISH, GERMAN, SPANISH AND FRENCH	
12. Articulatory Description of Vowels	45
13. Acoustic Description of Vowels	45
14. New Vowel Sounds	56
15. Vowel Distribution	58
16. Vowel Frequency	61
17. Vowel Duration System	63
18. The Neutral Vowel Position	66
19. Loss of Vowel Color	66
20. Consonant Anticipation	67
21. Diphthongization	67
22. Vowel Color and Syllable Type	69
23. Vowel Attack and Release	69
24. Vowel Nasality	69
 IV. COMPARING THE CONSONANTAL FEATURES OF ENGLISH, GERMAN, SPANISH AND FRENCH	
25. The Articulatory Description of Consonants	71
26. The Acoustic Description of Consonants	77

27. New Consonant Sounds	80
28. Consonant Distribution	83
29. Consonant Frequency of Occurrence	93
30. Duration System	96
31. The Neutral Consonant Position	101
32. Consonant Weakening	104
33. Vowel Anticipation of Consonants	104
34. Speed of Consonant Articulation	108
35. Consonant Fronting	108
36. Consonant Aspiration	110
37. Consonant Affrication	111
38. Consonant Palatalization	111
39. Final Consonant Release	113
40. Consonant Voicing	113