CONTENTS

Foreword	ix
ACKNOWLEDGEMENTS	xiii
LIST OF ABBREVIATIONS	xiv
CHAPTER 1. INTRODUCTION	1
Response change and learning	4
What the CR achieves	6
Theoretical problems	7
Conditioning as a "strengthening of bonds"	7
Conditionability	8
Outline of chapter contents	9
Chapter 2. Reflex Sensitivity	12
UCR amplitude	14
CS reflex responses	16
Spontaneous responses	19
The learning-performance distinction	23
CHAPTER 3. THE UNCONDITIONED RESPONSE IN CONDITIONING	27
Factors affecting UCR elicitation	28
Receptor properties	28
UCS-UCR linkages	28
Constraints placed on the subject	29
Relationship between instrumental and autonomic effects	30
Afferent feedback	31
The arousal factor	33
Cognitive factors	34

CHAPTER 3—(continued)	
Specific attributes of the unconditioned response and their	
changes over trials	36
UCR direction	36
UCR latency	36
UCR amplitude	38
UCR amplitude changes	39
CHAPTER 4. THE MEASUREMENT OF THE CONDITIONED RESPONSE	44
Identification of the conditioned response	44
The measurement of response characteristics	55
Composite measures of response topography	59
The wider CR pattern	67
CHAPTER 5. DEVELOPMENT OF THE CONDITIONED RESPONSE DURING	
Acquisition	71
The learning curve	72
Alternative estimates of change	74
The description of change	77
The efficiency of the conditioned response	80
Changes in response form during acquisition	83
Effects of experimental conditions on measures of response	
efficiency	86
Latent response development	93
CHAPTER 6. THEORETICAL IMPLICATIONS OF CR ANALYSIS	99
The learning-performance distinction	99
Measures of conditioning	107
Response latency	107
Response amplitude	107
Response efficiency	108
The concept of habit strength	109
Classical and instrumental conditioning	111
Reinforcement	115
Stimulus theories	115
Response theories	116
Central theories	116

Chapter 7. A Viewpoint and a Model	119
Two kinds of theories	121
The role of physiological evidence	123
The proposed model	127
Stimulus registration	127
CR formation	128
CR production	129
Implications of the model	129
The anticipatory response	129
CR/UCR integration	130
S-S and S-R integration	131
Conclusion	133
Response strategies	133
References	137
Index	143