

Contents

Preface	xi
Chapter 1 Introduction	1
Notes	12
Chapter 2 Theories of Perception	13
Visual perception as information processing	15
The information in the light	18
The perceptual cycle	20
Haptic perception	24
Listening	27
Combining information in several modalities	24
Notes	30
Chapter 3 Ordinary Seeing	33
Moving objects	37

Arriving objects	39
Stationary objects	41
Expectancy effects	43
Iconic storage	46
Notes	48

Chapter 4 Schemata **51**

A definition	52
Some analogies	55
Frames	57
Information pickup and information storage	59
Origins of the perceptual cycle	63
Meaning and categorization	70
Notes	76

Chapter 5 Attention and the Problem of Capacity **79**

Selective listening and theories of attention	81
Selective looking	84
Dual attention as an acquired skill	87
Automatic pickup?	93
The limits of capacity	97
Consciousness	103
Notes	105

Chapter 6 Cognitive Maps **108**

Cognitive maps as schemata	110
Movement-produced information	113
Varieties of cognitive maps	117
The image of the city	122
Notes	125

Chapter 7 Imagining and Remembering **128**

Images as perceptual anticipations	130
The Method of Loci	135

Association, imagery, and memory	138
Touch and taste	142
Manipulating the image	144
Notes	149
Chapter 8 Perceiving and Using Speech	154
Speech as an event	155
Visual information for speech	160
Concrete reference: a speculation	162
The origins of introspection	168
Notes	173
Chapter 9 Some Consequences of Cognition	177
Choosing where to look and what to do	178
The limitations of prediction and control	182
Social prediction	186
Emotion and physiognomic perception	188
Identity and communication	191
Notes	194
Bibliography	196
Name Index	219
Subject Index	225