

CONTENTS

SUBJECT-MATTER, METHOD AND PROBLEM OF PSYCHOLOGY

	PAGE
§ 1. Science and Experience	1
§ 2. The Subject-matter of Psychology	6
§ 3. The Common-sense View of Mind	9
§ 4. Psychophysical Parallelism	13
§ 5. Mental Process, Consciousness and Mind	15
§ 6. The Method of Psychology	19
§ 7. The Scope of Psychology	25
§ 8. The Use of Analogy in Psychology	30
§ 9. The Problem of Psychology	36
References for Further Reading	42
Note on the Classification of Psychology	43

SENSATION

§ 10. The Elementary Mental Processes	46
§ 11. Elements and Attributes	49
§ 12. The Attributes of Sensation	52
§ 13. The Classification of Sensations	55
References for Further Reading	57

THE QUALITY OF SENSATION: VISION

§ 14. The Visual Qualities	59
§ 15. Visual Stimulus and Visual Sensation	64
§ 16. The Dependence of Visual Sensation upon Wave-length and Energy of Light	65
§ 17. The Dependence of Visual Sensation upon Composition of Light	67
§ 18. The Dependence of Visual Sensation upon the Time and Space Relations of Stimulus	71

	PAGE
§ 19. Daylight and Twilight Vision	78
§ 20. Indirect Vision and Colour Blindness	80
§ 21. The Primary Colours	85
§ 22. Theories of Vision	87
References for Further Reading	92

AUDITION

§ 23. The Auditory Qualities	93
§ 24. The Dependence of Auditory Sensation upon Wave-number of Sound	97
§ 25. The Dependence of Auditory Sensation upon Composition of Sound	100
§ 26. Beats and Intermediate Tones	103
§ 27. Combinational Tones	106
§ 28. Theory of Audition	109
References for Further Reading	113

SMELL

§ 29. Sight and Hearing, Taste and Smell	114
§ 30. The Olfactory Qualities	117
§ 31. Olfactory Sensation and Olfactory Stimulus	119
§ 32. The Dependence of Olfactory Sensation upon the Composition and Time-relations of Stimulus	121
§ 33. Theory of Smell	125
References for Further Reading	128

TASTE

§ 34. The Gustatory Qualities	129
§ 35. Gustatory Sensation and Gustatory Stimulus	131
§ 36. Mixtures and Adaptations	133
§ 37. Theory of Taste	138
References for Further Reading	142

CUTANEOUS SENSES

§ 38. The Skin and its Senses	143
§ 39. The Pressure Sense	146

	PAGE
§ 40. The Temperature Senses	149
§ 41. The Pain Sense	152
§ 42. Theory of the Cutaneous Senses	155
§ 43. Tickle and Itch	157
References for Further Reading	159

KINÆSTHETIC SENSES

§ 44. The Kinaesthetic Senses	160
§ 45. The Muscular Sense	162
§ 46. The Tendinous Sense	163
§ 47. The Articular Sense	164
§ 48. Movement and Position, Resistance and Weight	166
§ 49. The Alleged Sensation of Innervation	169
§ 50. Some Touch-blends	171
References for Further Reading	172
§ 51. The Kinaesthetic Organs of the Internal Ear	173
§ 52. The Ampullar Sense	174
§ 53. Theory of the Ampullar Sense	176
§ 54. The Vestibular Sense	178
§ 55. Theory of the Vestibular Sense	180
References for Further Reading	182

OTHER ORGANIC SENSATIONS

§ 56. The Sensitivity of the Abdominal Organs	183
§ 57. The Sensations of the Digestive and Urinary Systems	187
§ 58. The Sensations of the Circulatory and Respiratory Systems	189
§ 59. The Sensations of the Genital System	191
References for Further Reading	193

SYNAESTHESIA

§ 60. Synaesthesia	194
§ 61. The Image	197
References for Further Reading	200

THE INTENSITY OF SENSATION

§ 62. The Intensity of Sensation	201
§ 63. Mental Measurement	207

	PAGE
§ 64. Liminal and Terminal Stimuli	210
§ 65. The Just Noticeable Difference as the Unit of Measurement	213
§ 66. Weber's Law	215
§ 67. Theory of Weber's Law	221
References for Further Reading	224

AFFECTION

§ 68. Feeling and Affection	225
§ 69. Affection and Sensation	228
§ 70. Other Views of Affection	236
§ 71. The Methods of Investigating Affection	240
§ 72. The Tridimensional Theory of Feeling	250
§ 73. The Dependence of Affection upon Stimulus	257
§ 74. The Bodily Conditions of Affection	260
References for Further Reading	263

ATTENTION

§ 75. The Attentive Consciousness	265
§ 76. The Development of Attention	268
§ 77. The Two Levels of Consciousness	276
§ 78. The Kinæsthetic and the Affective Factors in the Attentive Con- sciousness	281
§ 79. The Experimental Investigation of Attention	284
§ 80. The Range of Attention	287
§ 81. The Duration of Attention	291
§ 82. The Degree of Attention	293
§ 83. Accommodation and Inertia of Attention	296
§ 84. The Bodily Conditions of Attention	299
References for Further Reading	302

PERCEPTION

SPATIAL PERCEPTIONS

	PAGE
§ 85. The Sensory Attribute of Extent	303
§ 86. The Third Dimension	306
§ 87. The Stereoscope	316
§ 88. The Perception of Space: Locality	321
§ 89. The Perception of Space: Magnitude	326
§ 90. Secondary Spatial Perceptions	330
§ 91. Illusory Spatial Perceptions	332
§ 92. Theories of Space Perception	335
References for Further Reading	338

TEMPORAL PERCEPTIONS

§ 93. The Sensory Attribute of Duration	340
§ 94. The Perception of Rhythm	344
§ 95. Theories of Time Perception	346
References for Further Reading	347

QUALITATIVE PERCEPTIONS

§ 96. Qualitative Perceptions	349
§ 97. Tonal Fusion	351
§ 98. Theories of Qualitative Perception	352
References for Further Reading	355

COMPOSITE PERCEPTIONS

§ 99. Simple and Composite Perceptions	357
§ 100. The Perception of Movement	357
§ 101. The Perception of Melody	360
References for Further Reading	363

THE PSYCHOLOGY OF PERCEPTION

§ 102. Pure and Mixed Perceptions	365
§ 103. Meaning	367
§ 104. The Form of Combination	371
References for Further Reading	373

ASSOCIATION

	PAGE
§ 105. The Doctrine of Association	374
§ 106. The Idea	376
§ 107. The Law of Association	378
§ 108. The Experimental Study of Association	380
§ 109. Results: The Conditions of Impression	382
§ 110. Results: The Conditions of Associative Tendency	384
§ 111. The Associative Consciousness	389
References for Further Reading	395

MEMORY AND IMAGINATION

§ 112. Retention: The Course of the Image.	396
§ 113. Retention: The Process of Dissociation	401
§ 114. Retention: Individual Differences	403
§ 115. The Recognitive Consciousness	407
§ 116. Recognition and Direct Apprehension	410
§ 117. The Memory Consciousness	413
§ 118. The Memory Image and the Image of Imagination	416
§ 119. The Imaginative Consciousness	421
§ 120. Illusions of Recognition and Memory.	424
References for Further Reading	426

ACTION

§ 121. The Reaction Experiment	428
§ 122. The Analysis of the Simple Reaction	432
§ 123. Compound Reactions	437
§ 124. Action	447
§ 125. The Genesis of Action	450
§ 126. The Classification of Action	458
§ 127. Will	466
References for Further Reading	469

EMOTION

§ 128. The Nature of Emotion	471
§ 129. The 'James-Lange Theory' of Emotion	474

	PAGE
§ 130. The 'James-Lange Theory': Criticism and Modification . . .	476
§ 131. The Organic Reaction as Constitutive of Emotion . . .	481
§ 132. The Organic Reaction as Expressive of Emotion . . .	484
§ 133. The Forms of Emotion	489
§ 134. Emotive Memory	493
§ 135. Mood, Passion and Temperament	497
§ 136. The Nature of Sentiment	498
§ 137. The Forms of Sentiment	500
References for Further Reading	503

THOUGHT

§ 138. The Nature of Conscious Attitude	505
§ 139. The Alleged Elementary Process of Thought	508
§ 140. The Alleged Elementary Process of Relation	512
§ 141. The Analysis of Conscious Attitude	515
§ 142. Language	521
§ 143. The Abstract Idea	525
§ 144. Generalisation and Abstraction	529
§ 145. Comparison and Discrimination	532
§ 146. Expectation, Practice, Habituation, Fatigue	537
§ 147. Judgment	540
§ 148. The Self	544
References for Further Reading	547

CONCLUSION

§ 149. The Status of Psychology	550
References for Further Reading	552
Index of Names	553
Index of Subjects	556