CONTENTS

PART I

METHOD

CHAPTER I

INTRODUCTION

1. The Foundations of Psychology 3
2. The Use of Hypotheses 10
3. Approaches to the Study of Psychology 14
4. Introspection 15
5. Practical Psychology 20
6. Detail and General Fact 23
7. Systematic Observation 25
8. Quantitative Psychology 31
9. Experimental Introspection 34
10. Definition 37
11. Literature of the Subject 38
12. Psychological Terminology 39
13. A Bird’s Eye View 42

PART II

GENERAL ANALYSES

CHAPTER II

SYSTEMS AS DISTRIBUTED

14. Attention and Inattention 45
15. Sensations, Images and Feelings do not exist apart from Attention 45
16. Attention is Dependent on Stimuli 47
17. The Beginnings of Sensations 47
18. The Area of Sensations and Images 49
19. The Sense Problem 50
20. Classification of Systems 57
21. Keen, Normal and Lax Attention 59
22. Attention, in the Normal Waking State, is Quantitatively alike with All Men at All Times 60
23. Felt Strain, Desire to Attend, etc. 61
24. Deliberate Attention 65
25. The Measure of Attention is its Effectiveness 66
26. Attention has no Focus 67
27. Abnormal Attention 67
28. The Larger Waves of Attention 69
29. The Smaller Waves of Attention 69
30. Narrowing the Normal Field of Attention 70
31. Expanding the Normal Field of Attention 71
32. Brain and Mind 72
33. The Field of Attention 72
CONTENTS.

34. Attention Energy and Motion Energy are One.
35. Attention and Heredity.
36. Observation and Attention.
37. The Growth of Knowledge Complexes.
38. Attention to One Object at a Time.
39. Do we Attend in Habit?
40. Can we Attend to Habits?
41. The Routine of Life.
42. Attention and Memory.
43. Sub-conscious and Unconscious Thought.
44. Conditions Favouring Attention.
45. The Education of the Attention.
46. Factors producing Changes in the Field of Attention.
47. General Conclusions.

CHAPTER III

Systems as Organised.

49. The History of a Habit.
50. Memorising the Facts.
51. The Process of Simplification.
52. Reduction of Effort.
53. Appropriate Exercise.
54. A Comparison.
55. The Result of Liberating Attention Energy.
56. Does an Organised Trend ever become Automatic?
57. Organised Trends and Memory.
58. The Place of Exercise.
59. The Place of Judgment.
60. Why is it Difficult to influence Habits?
61. Early Education.
62. Each Habit is based on Others of its Kind.
63. Each Habit forms a Basis for Others of its Kind.
64. What is a Habit?
65. All Thought is Organised.
65a. Habit and Thought.
66. The Psychological Method.

CHAPTER IV

Systems as Need-Satisfying.

68. What is implied in a Secondary Unit or Idea?
69. Richness and Poverty of Detail in a Secondary Unit or Idea.
70. Each of the Five Senses supplies us with the Material for Secondary Units or Ideas.
71. Other Sources of Secondary Units or Ideas.
72. Secondary Units or Ideas which are generally Overlooked.
73. Word-Ideas as such.
74. Words Rich and Poor in Meaning.
75. Why Secondary Units or Ideas tend to have Little Content.
76. Secondary Units or Ideas reflect Individual Situations.
76a. General Ideas.
76b. Speech and Thought.
# CONTENTS

77. Re-production of Motion and Detail  
78. Observation is Teleologically Determined  
79. Memory Contents Dwindle  
80. Every Secondary Unit or Idea represents a Set of Activities, and cannot be Stored  
81. Sense Impressions are One with Images  
82. Movement and Thought  
83. Units and Trains of Units  
84. The Nature of Language  
85. What is a Secondary Unit or an Idea?  
86. Summary  
87. The Dynamics of our Subject  
88. The Composition of Secondary Systems  
89. Secondary Complications  
90. Development, Excitement and Secondary Complications  
90a. Associationism  
91. Ideational Complications  
92. Thought represents the Satisfaction of Needs  
93. Some Results of Economisation  
94. The Language of the Adult  
95. We are not restricted to One Unit or Idea at a Time  
96. General Methods in Thought  
97. Knowledge is mostly a Social Product  
98. The Origin of Needs and their Classification  
99. A Complex Ideational Process Examined  
99a. Comparison  
99b. Semi-Connection or Doubt and Related States  
99c. Generalisation or Topical Reaction  
99d. Abstraction  
100. Attention and Combination  
101. Economisation and Combination  
102. Memory and Combination  
103. Habit and Thought  
104. Interdependence and Interaction in Combining  
105. History of the Subject  
106. A Bird's Eye View  

## CHAPTER V  

**SYSTEMS AS RE-DEVELOPED**

107. Primary Systems imply Re-Development  
108. The Persistence of Neural Modifications  
109. Neural Excitement  
110. Sudden Re-Collection  
110a. The Nature of Recency  
111. Neural Excitement implies Neural Momentum  
112. Memory Slowly Fades  
113. Cramming  
114. We forget Most Things  
115. The Process of De-Development  
116. Re-Development is Attention to Surviving Traces  
117. No Detailed Image in the Memory  
118. Images are soon Exhausted  
119. Visuals, Audiles, Motiles, Emotiles, and Mentals  

---

CONTENTS

120. The Matter of Memory
120a. Motion as Imagery
120b. Thinking in Words
121. The Growth of the Memory
122. The Elements of Memory
123. What constitutes a Perfect Memory?
124. Primary and Secondary Series Distinguished
125. After-Images, etc.,
126. Intuitions
127. Organised Re-Development
128. Novelty and Familiarity
129. The Gaping Void
130. The Part stands for the Whole
131. Why the Memory leans Forward
132. Vividness is no Test of Objectivity
133. The Present Ends where Obliviscence Begins
134. The Dynamics of Memory
135. The Physical Aspect of Memory
136. How to Re-Develop
137. A Bird’s Eye View

CHAPTER VI

SYSTEMS AS DISTURBED

138. Pleasure and Pain are neither Sensations nor Feelings
139. The Nature of the Nervous System determines how far we are Drawn towards, or Recoil from, an Object
140. Definition of Pleasure-Pain
141. Irritants
142. Organised Reaction Largely Decides what shall be regarded as Pleasurable or Painful
143. Inference as a Determining Factor in Pleasure-Pain
144. Neural Disturbance is Absent from Normal Defensive Activity
145. Normal Thought and Action are Neutral as regards Pleasure-Pain
146. The Relation of the Emotions to Neural Disturbances
147. Feeling Pained, and Imagery Pain
148. Principles Ride Rough-Shod over Disturbances
149. Moods largely determine the Drift of Thought
150. Conclusions
151. A Bird’s Eye View

CHAPTER VII

SYSTEMS AS NEED-DETERMINED

152. Experimental Willing
153. The Effect of Volitions
154. Will as Absolute
155. Uniqueness in Willing
156. Voluntary, Non-Voluntary and Involuntary Activity
157. Depreciating and Appreciating the Will-Value
158. Deliberation
159. Desire
160. Neural Disturbances
161. Choice from Weaker Motive
162. Action from Special Motives
CONTENTs

163. I Will ........................................ 309
164. Will as Assertion ............................ 311
165. The Absolute Value of Felt Effort .......... 313
166. The Sense of Effort .......................... 315
167. The Tripartite Division in Psychology .... 318
168. A Bird's Eye View ............................ 321

CHAPTER VIII
SYSTEMS AS UNIFIED

169. Objective, Reflected and Imaged Sight .... 322
170. Other Classes of Systems ................. 323
171. Mind and Body ................................ 323
172. Mind and Matter .............................. 324
173. Force ........................................... 326
174. Motion .......................................... 326
175. Appearance and Reality ..................... 327
176. The Self ........................................ 328
176a. The Nature of Mind .......................... 330
177. Presentations ................................... 332
178. Inner and Outer ............................... 333
179. Experience ..................................... 333
180. Psychophysical Parallelism .................. 333
181. Memory ......................................... 335
182. Space ............................................ 336
182a. The Space of Sight and Touch ............ 347
183. Time ............................................. 348
184. Order ............................................ 348
185. Cause and Effect .............................. 349
186. Freedom ........................................ 351
187. Mental Activity ................................ 352
188. Reason, Understanding ...................... 353
189. The Senses ..................................... 353
190. Persistence .................................... 355
191. Evolution ...................................... 356
192. Others .......................................... 357
193. Subject and Object ............................ 359
194. Life .............................................. 361
195. Death .......................................... 363
196. Immortality .................................... 363
197. Science ......................................... 364
198. Physical Science and Psychology ......... 366
199. Monism, Dualism, etc. ........................ 367
200. A Bird's Eye View ............................ 370

PART III
SPECIAL SYNTHESSES

CHAPTER IX
SYSTEMS AS INDIVIDUALISED

201. The Immediate Relation of the Individual to his Environment 373
202. Shakespeare and the Sonnet ............... 373
203. Shakespeare and the Sonnet Form .......... 375
CONTENTS

204. Peculiar Sonnets ........................................... 376
205. Shakespeare’s Language .................................... 378
206. Shakespeare’s Insight ...................................... 384
207. The Object of Shakespeare’s Sonnets ...................... 386
208. The Place of Shakespeare’s Sonnets ....................... 387
209. Shakespeare as Dramatist .................................. 388
210. Obstacles to Genius ........................................ 393
211. Men of Genius ............................................. 397
212. Individual Character ...................................... 403
213. Relation to Needs .......................................... 407
214. The Evolution of the Individual ......................... 409
215. The Acquisition of Language ............................... 413
216. A Bird’s Eye View ......................................... 417

CHAPTER X

SYSTEMS AS CLASSIFIED

217. Highest Products ........................................... 418
218. Deliberate Action, Speech and Thought .................. 421
219. Average Thought ........................................... 422
220. Efferent Activity ........................................... 425
221. Eff erent Activity ........................................... 428
222. Central Activity ............................................ 429
223. ’Twixt Waking and Sleeping .............................. 430
224. Dreams ..................................................... 436
225. Extra-Organic Stimuli in Dreams ......................... 436
226. Intra-Organic and Efferent Stimuli in Dreams .......... 438
227. The Place of Reason in the Dream-State ................ 441
228. Influencing the Dream-State ............................. 443
229. The Origin of Dreams ...................................... 448
230. The History of Dream-Life ................................ 452
231. Additional Considerations ................................ 452
232. Provoked Dreams and Related Facts ..................... 456
233. Animal Psychology ........................................ 462
234. A Bird’s Eye View ......................................... 466

CHAPTER XI

SYSTEMS AS ATTENTION-DETERMINED

235. General .................................................... 468
236. The Beautiful in Visual Forms ............................ 468
237. Inference .................................................. 479
238. Misleading Beliefs ........................................ 481
239. Education ................................................... 482
240. Fashion ..................................................... 483
241. Secondary Factors ......................................... 483
242. The Aesthetic Standard ................................... 485
243. Prose and Poetry .......................................... 487
244. Music, etc. .................................................. 491
245. The Comic .................................................. 492
246. The Imagination ........................................... 496
247. Play ........................................................ 499
248. A Bird’s Eye View ........................................... 501
### CONTENTS

#### CHAPTER XII

**Summary**

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>249.</td>
<td>The Totality of Existence regarded as Static</td>
<td>503</td>
</tr>
<tr>
<td>250.</td>
<td>The Totality of Existence regarded as Dynamic</td>
<td>504</td>
</tr>
<tr>
<td>251.</td>
<td>Disturbances</td>
<td>506</td>
</tr>
<tr>
<td>252.</td>
<td>The Business of Psychology</td>
<td>507</td>
</tr>
</tbody>
</table>

**Indexes**

<table>
<thead>
<tr>
<th>Index</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index of Subjects</td>
<td>509</td>
</tr>
<tr>
<td>Index of Authors</td>
<td>522</td>
</tr>
<tr>
<td>Index of Publications</td>
<td>532</td>
</tr>
</tbody>
</table>
ERRATA

Page 17, l. 6 from below, for "physical" read "psychical"

79, l. 20, below, for "Habit." read "Habit?"
80, l. 21, above, for "Habits." read "Habits?"
80, l. 15, below, for "pocesses" read "processes"
96, l. 9, above, for "occasions" read "occasion"
125, l. 6, below, for "and" read "or"
129, l. 14, above, for "difference" read "differences"
131, ls. 22 and 13 from below are to be transferred to the end of sec. 70a.
148, l. 9 from above, for "remaing" read "remaining"
186, l. 11, above, for "re-membering" read "remembering"
191, l. 5, above, for "ultimally" read "ultimately"
207, ls. 21 and 22 from below, for "Allen" read "Allin"
217, l. 9 from above, for "similiar" read "similar"
230, l. 5, below, for "praise" read "condemn"
239, l. 9, above, for "utractable" read "untractable"
256, l. 6, below, for "Practice" read "Practise"
258, l. 1, below, for "normla" read "normal"
346, l. 18, below, for "Arber" read "Arnor"
349, l. 16, above, for "perfections" read "perfection"
395, l. 9, above, for "genius" read "genius"