

Contents

Preface	v
Acknowledgments	vii

I PRELIMINARIES

1 WHY PHILOSOPHY OF PSYCHOLOGY	3
1.1 Influence of Philosophy on Psychology	4
1.2 Philosophies of Mind	7
1.3 The Identity Hypotheses	12
1.4 Philosophical Presuppositions of Scientific Research ...	17
1.5 Philosophies of Psychology	21
1.6 Summing Up	24
2 WHAT PSYCHOLOGY IS ABOUT	25
2.1 Definitions of Psychology	26
2.2 Referents of Psychology	27
2.3 The Fragmentation of Psychology and How to Remedy It	30
2.4 Unification in Action	31
2.5 Aims of Psychology	34
2.6 Summing Up	39

II APPROACH AND METHOD

3 APPROACHES TO BEHAVIOR AND MIND	43
3.1 Approach	44
3.2 Atomism, Holism, and Systemism	45
3.3 Nonscientific Approaches to Psychology	48
3.4 Toward a Scientific Psychology	51

3.5	Scientific Psychology	56
3.6	Summing Up	61
4	METHODOLOGY.....	62
4.1	Method	63
4.2	Observation	66
4.3	Measurement	71
4.4	Experiment.....	76
4.5	Inference.....	81
4.6	Summing Up	85
 <i>III BRAINLESS PSYCHOLOGY</i>		
5	MENTALISM	89
5.1	Subjective Experience	90
5.2	Classical Psychology	94
5.3	Gestalt Psychology.....	100
5.4	Information-Processing Psychology	105
5.5	Pop Psychology.....	111
5.6	Summing Up	115
6	BEHAVIORISM	116
6.1	Phenomenalism (Black-Boxism)	117
6.2	Environmentalism.....	120
6.3	Operationism	125
6.4	Intervening Variables.....	130
6.5	Hypothetical Constructs	132
6.6	Summing Up	134
 <i>IV BIOPSYCHOLOGY</i>		
7	NEUROBIOLOGY	139
7.1	Brain & Co.....	141
7.2	Plasticity.....	146
7.3	Development	151
7.4	Evolution	155
7.5	Functional Localization.....	160
7.6	Summing Up	165

8	BASIC FUNCTIONS	166
8.1	Movement	167
8.2	Affect	169
8.3	Sensation	173
8.4	Attention.....	177
8.5	Memory	179
8.6	Summing Up	184
9	HIGHER FUNCTIONS.....	185
9.1	Learning	186
9.2	Perception	194
9.3	Conception.....	201
9.4	Cognition	207
9.5	Intention	215
9.6	Summing Up	218
 <i>V THE SOCIAL ASPECT</i>		
10	THE SOCIAL MATRIX OF BEHAVIOR.....	221
10.1	Psychology: Natural Science or Social Science?.....	223
10.2	Culture	224
10.3	Social Classes	227
10.4	Socialization.....	228
10.5	Cultural Homogenization	231
10.6	Summing Up	232
11	CONSCIOUSNESS.....	233
11.1	Distinctions	234
11.2	Definitions	235
11.3	Applications.....	239
11.4	Hypotheses	243
11.5	Experimental Tests.....	247
11.6	Summing Up	250
12	PSYCHOTECHNOLOGY.....	251
12.1	Clinical Psychology and Psychiatry	252
12.2	Educational Psychology	255
12.3	Industrial and Organizational Psychology	257
12.4	Designing Cultures	258

12.5	The Goals of Psychotechnology	260
12.6	Summing Up	261
 <i>VI CONCLUSION</i>		
13	CONCLUDING REMARKS.....	265
13.1	Reduction.....	265
13.2	Integration	270
13.3	Explanation	274
13.4	Prospects	280
13.5	Philosophical Harvest	282
13.6	Summing Up	284
	References.....	287
	Name Index.....	309
	Subject Index	317