

Detailed Contents

Preface	<i>page</i> xix
Acknowledgments	xxiv
Timeline	xxvi

Part I Psychology's Historical Foundations

1 Psychology in Search of a Paradigm	3
Approaches to Historical Investigation	4
Psychology's Search for a Unifying Paradigm	5
Fragmented Field	5
Prevalent Paradigms	6
Stages in the History of Psychology	6
Psychology's Enduring Questions	9
Basic Issues	9
Enduring Questions	11
Western and Eastern Traditions in Psychology	13
The Study of the History of Psychology	14
2 Psychology in the Ancient and Classical East	18
Eastern Influences on Western Psychology	18
Persia at the Crossroads	20
India	22
Hindu Science and Philosophy	22
Buddhism	23
China	24
Early Philosophies	24
Confucius	26
Later Philosophies	27
Japan	28
Egyptian and Hebrew Traditions	30
Egypt	30
Israel	31
Eastern Contributions to Western Thought	32
Chapter Summary	33

x	Detailed Contents	
3	Psychological Foundations in Ancient Greece	36
	Early Explanations of Psychological Activity	37
	Naturalistic Orientation	37
	Biological Orientation	39
	Mathematical Orientation	40
	Pragmatic Orientation	41
	Humanistic Orientation	43
	The Crowning of Greek Philosophy	44
	Socrates	45
	Ψ Plato	47
	Ψ Aristotle	48
	Chapter Summary	56
4	Classical Rome to the Early Middle Ages	59
	Roman Philosophers	63
	Humorism: Ψ Galen	63
	Stoicism: Zeno	64
	Epicureanism: Epicurus	65
	Neoplatonism: Plotinus	66
	Christianity	67
	The Church Fathers	68
	Greek Patristics	70
	Irenaeus of Lyon	70
	Origen of Alexandria	71
	Gregory of Nyssa	71
	Latin Patristics	72
	Ψ Augustine	75
	Early Medieval Philosophy	76
	Boethius	76
	The Early Medieval Period in Western Europe	77
	Feudalism and the Papacy	79
	Western Monasticism	80
	Benedict	80
	Eastern Influences	81
	The Byzantine Empire	81
	Islam: The Beginnings	82
	Chapter Summary	84
5	Reawakening of Intellectual Life in the Middle Ages	87
	The Papacy and Church Power	88
	The Crusades and Rediscovery of Eastern Traditions	91

	Detailed Contents	xi
The Universities		93
Scholasticism		95
Early Scholars		95
Pierre Abélard		95
Ψ Hildegard of Bingen		96
Roger Bacon		99
Albertus Magnus		100
Ψ Thomas Aquinas		101
Philosophy and Science		105
William of Ockham		105
Chapter Summary		105
6 The Renaissance		108
Setting the Stage: The Italian Energy		109
Francesco Petrarca		109
Ψ Leonardo da Vinci		111
Andreas Vesalius		113
Challenge to Authority Within the Church: The Reformation		115
Challenge to Authority Within Science: The Copernican Revolution		116
Nicolaus Copernicus		117
Johannes Kepler		119
Ψ Galileo Galilei		120
Chapter Summary		121
Enduring Questions Resumed		122
7 Emergence of Modern Science		127
Advances in Science		128
Francis Bacon		128
Pierre Gassendi		130
Ψ Isaac Newton		132
Other Scientists		135
The Learned Societies		136
Advances in Philosophy		137
Baruch Spinoza		138
Ψ René Descartes		140
Chapter Summary		144
8 Sensationalism and Positivism: The French Tradition		147
Advances in Science		148
Advances in Philosophy		151
French Sensationalism		151

xii Detailed Contents

Ψ Étienne Bonnot de Condillac	151
Charles Bonnet	154
Julien Offroy de La Mettrie	154
Claude Adrien Helvétius	155
Pierre Cabanis	155
French Voluntarism	156
Ψ Maine de Biran	156
French Positivism	159
Auguste Comte	159
Chapter Summary	161
9 Mental Passivity: The British Tradition	164
Advances in Science	166
Advances in Philosophy	167
Early British Empiricists	168
Thomas Hobbes	168
Ψ John Locke	169
George Berkeley	172
David Hume	173
David Hartley	174
Scottish Common Sense	174
Thomas Reid	175
Thomas Brown	176
British Utilitarianism	176
Ψ Jeremy Bentham	176
Later British Empiricists	178
James Mill	178
John Stuart Mill	178
Alexander Bain	180
Chapter Summary	180
10 Mental Activity: The German Tradition	184
Advances in Science	187
Advances in Philosophy	188
The Founders	188
Gottfried Wilhelm von Leibniz	188
Christian von Wolff	190
Ψ Immanuel Kant	190
Psychology of the Self-Conscious	194
Johann Friedrich Herbart	194
Friedrich Eduard Beneke	194
Rudolf Hermann Lotze	195

	Detailed Contents	xiii
Chapter Summary		196
Enduring Questions Resumed		196
11 Romanticism and Existentialism		202
Background: Science and Philosophical Rationalism		203
Johann Gottlieb Fichte		203
Friedrich von Schelling		204
Georg Wilhelm Friedrich Hegel		205
The Reaction of Romanticism		206
Ψ Jean-Jacques Rousseau		206
Implications: Political Upheaval and Literature		209
The Response of Existentialism		210
Ψ Søren Kierkegaard		211
Wilhelm Dilthey		214
Impact: Psychology of the Unconscious		214
Arthur Schopenhauer		215
Eduard von Hartmann		215
Chapter Summary		215
12 Physiological and Evolutionary Precursors		218
Advances in Physiology		218
Physiology of the Nervous System		219
Physiology of the Brain		220
Forerunners		220
Charles S. Sherrington		222
Physiology of Sensations		223
Psychophysics		225
Ernst Heinrich Weber		225
Gustav Theodor Fechner		226
Ψ Hermann von Helmholtz		229
Evolution		232
Ψ Charles Darwin		232
Herbert Spencer		236
Francis Galton		236
Chapter Summary		237
13 Founding of Modern Psychology		241
Psychology as a Natural Science		243
Structural or Content Psychology		243
Ψ Wilhelm Wundt		244

xiv Detailed Contents

Edward Bradford Titchener	247
Structuralism	247
Other Expressions of the Natural Science Model	250
Ewald Hering	250
Georg Elias Müller	250
Hermann Ebbinghaus	251
Ernst Mach and Richard Avenarius	252
Psychology as a Human Science	253
Act Psychology	253
Ψ Franz Brentano	254
Carl Stumpf	258
Christian von Ehrenfels	259
Alternative Scientific Approaches	259
Wilhelm Dilthey	259
Henri Bergson	260
The Würzburg School	260
Oswald Külpe	260
Chapter Summary	261

Part II Systems of Psychology

14 American Functionalism	267
Background	269
The Legacy of Nineteenth-Century British Thought	269
The Psychological Testing Movement	269
The American Character	271
Early American Psychology	271
Moral Philosophy and Medicine	272
American Pragmatism	273
Ψ William James	273
Charles Sanders Peirce	277
Transitional Figures	277
Ψ Hugo Münsterberg	278
Lightner Witmer	281
William McDougall	282
G. Stanley Hall	283
Edward A. Pace	284
Functional Psychology	285
Chicago Functionalism	285
John Dewey	286
James Angell	286
Harvey Carr	288

Columbia Functionalism	288
James McKeen Cattell	288
Edward Lee Thorndike	289
Robert S. Woodworth	290
Pioneers in American Psychology	290
Mary Whiton Calkins	291
Christine Ladd-Franklin	291
Margaret Floy Washburn	292
Francis Cecil Sumner	293
Kenneth Bancroft Clark and Mamie Phipps Clark	293
Impact of Functional Psychology	295
Chapter Summary	295
15 Gestalt Psychology	301
Background in Germany	302
The Würzburg Legacy	303
German Phenomenology	303
The Founding of Gestalt Psychology	304
Ψ Max Wertheimer	305
Wolfgang Köhler	307
Kurt Koffka	307
Basic Principles of Gestalt Psychology	308
Implications of Gestalt Psychology	311
As a European Movement	311
As an American Movement	311
Field Theory	312
Kurt Lewin	312
Gestalt Therapy	314
Friedrich (Fritz) Perls and Laura Perls	314
Chapter Summary	315
16 Psychoanalysis	318
Background	319
The Active Mind	319
The Treatment of Mental Illness	320
The Founding of Psychoanalysis	322
Ψ Sigmund Freud	322
An Overview of Freud's System	327
Freud's Legacy	330
Disciples and Dissidents	330
Alfred Adler: Individual Psychology	331

xvi Detailed Contents

Carl Jung: Analytical Psychology	332
The Inner Circle	334
Moving Outward	336
Ego Psychology and Self Psychology	336
Anna Freud: Ego Psychology	337
Erik Erikson: Developmental Psychoanalysis	338
Heinz Kohut: Self Psychology	338
Object Relations Theory and Relational Psychoanalysis	340
Melanie Klein: Object Relations Theory	340
Other Object Relations and Relational Theorists	341
Social and Cultural Psychoanalysis	343
Ψ Karen Horney: Social Psychoanalysis	343
Rudolf Allers: Character Psychology	346
Harry Stack Sullivan: Interpersonal Psychoanalysis	346
Erich Fromm: Cultural Psychoanalysis	347
Contemporary Impact	348
Chapter Summary	349
17 Behaviorism	354
Behaviorism in Three Acts	356
Respondent Behavior	356
Russian Reflexology	356
Ivan Mikhailovich Sechenov	357
Vladimir Mikhailovich Bekhterev	358
Ψ Ivan Petrovich Pavlov	358
Reflexology Expanded	363
American Behaviorism	365
John B. Watson	365
Other Early American Behaviorists	368
Operational Positivism	369
Operant Behavior	370
Edward Lee Thorndike: American Connectionism	371
Edwin R. Guthrie: Contiguity Theory	372
Ψ B. F. Skinner: Radical Positivism	374
Purposive Behavior	376
Edwin B. Holt: Motivated Behavior	377
Clark L. Hull: Hypothetico-Deductive Theory	377
Edward C. Tolman: Purposive Behaviorism	380
Applied Behaviorism	381
Behavioral Therapies	381
Chapter Summary	382

	Detailed Contents	xvii
18 Humanistic Psychology		390
European Philosophical Background		392
Modern Expressions of Existentialism		392
Jean-Paul Sartre		392
Simone de Beauvoir		393
Albert Camus		395
Karl Jaspers		395
Martin Buber		396
Phenomenology		396
Ψ Edmund Husserl		397
Martin Heidegger		400
Personalism		401
Emmanuel Mounier		401
Karol Wojtyła		402
Existential and Humanistic Psychology		403
Existential-Phenomenological Psychology		403
Maurice Merleau-Ponty		404
Existential-Phenomenological Research		405
Existential-Phenomenological Psychotherapy		406
Existential Psychoanalysis		407
Ludwig Binswanger		407
Medard Boss		408
Meaning-Centered Psychology		408
Viktor Frankl: Logotherapy		408
Humanistic Psychology		410
Gordon Allport		410
Charlotte Bühler		410
Abraham Maslow		411
Rollo May		412
Ψ Carl Rogers		412
Chapter Summary		414
19 Cognitive Psychology		419
Background		420
Streams of Consciousness		421
Early Systems and Approaches		421
Applications of Psychology		422
First Thoughts		424
Frederic C. Bartlett: Schema Theory		424
Donald O. Hebb: Neural Networks		425
Donald E. Broadbent: Filter Model of Attention		426

xviii Detailed Contents

Artificial Intelligence: Mind as Machine	427
Information Processing Theory	427
Alan M. Turing: Imitation Game	428
Newell, Shaw, and Simon: Logic Theorist	428
John R. Searle: Chinese Room	429
Deep Blue and Watson	429
Foundational Thinkers	429
Jean Piaget: Cognitive Development	429
Ψ Noam Chomsky: Language Acquisition	431
The Cognitive Revolution	432
Revolution or Evolution?	433
George A. Miller: Science of Mental Life	434
Jerome S. Bruner: Study of Thinking	435
Ψ Ulric G. Neisser: Cognitive Psychology	436
Further Reflections	440
Faculty Psychology Revisited	440
Embodied Cognition	440
Conclusion	441
Chapter Summary	442
20 Contemporary Psychology	446
Post-System Psychology	446
Prevalent Paradigms Revisited	448
Biologism	451
Empiricism	452
Basic Psychology	453
Functionalism	455
Applied Psychology	456
Humanism	458
Theoretical Psychology	458
Idealism	458
Enduring Questions Revisited	459
Basic Issues	460
Enduring Questions	463
Psychology in Search of a Paradigm	466
Conclusions	469
Chapter Summary	471
Glossary	474
Name Index	488
Subject Index	493