

Contents

Preface xi

Questions About Emotion: An Introduction 1

Paul Ekman and Klaus Scherer

References 7

PART I: BIOLOGICAL APPROACH

1. Emotion: A Neurobehavioral Analysis 13

Karl H. Pribram

A Labile-Stabile Dimension 14

An Epicritic-Protocritic Dimension: Brain
Stem Shell and Core 21

An Effective-Affective Dimension: Basal
Ganglia and Limbic Forebrain 24

An Ethical-Esthetic Dimension 28

Conclusion 32

References 34

2. Hemispheric Asymmetry and Emotion 39

Richard J. Davidson

Data on Clinical Populations 40

Data on Normals 44

Emotion Subsystems and Affective
Asymmetries 51

References 55

3. Contributions from Neuroendocrinology	59
<i>Peter Whybrow</i>	
Some Working Definitions	59
Philosophical Considerations	60
Neuroendocrine Mechanisms of Communication	61
Organization of Neuroendocrine Function	62
Patterns of Neuroendocrine Response	63
Neuroendocrine Balance	65
Neuroendocrine Patterns in Affective Illness	66
References	70
 PART II: DEVELOPMENTAL APPROACHES	
4. Levels of Meaning for Infant Emotions: A Biosocial View	77
<i>Robert N. Emde</i>	
The Evolution of Organized Complexity and Viewing Emotions	78
Meaning and Emotional Development	80
Social Definition of Infant Emotions and Challenges for Understanding Meaning	94
The Adaptive Nature of Infant Emotional States	98
References	102
 5. The Organization of Emotional Development	 109
<i>L. Alan Sroufe</i>	
Emotions as Evolving Systems	112
Emotion and the Organization of Development	116
Emotional Development and Continuity (Coherence) in Adaptation	117
Conclusion	126
References	127
 6. Emotions in Infancy: Regulators of Contact and Relationships with Persons	 129
<i>Colwyn Trevarthen</i>	
Introduction	129
Different Concepts of Emotional Structures	133
Emotional Expression from Birth to Six Months	138
Experimental Proof that Two-Month-Olds Regulate Emotions in Relation to Their Mother's Expression of Feeling	142

Expression of Emotional Empathy in Maternal Speech to Infants	145
Some Developments in Affective Expression After Six Months	148
Conclusions	150
References	155

PART III: PSYCHOLOGICAL AND ETHOLOGICAL APPROACHES

7. Affect Theory	163
<i>Silvan S. Tomkins</i>	
Affects and Drives	163
Innate Affect Activators	167
Role of the Specific Affects	170
Polarity Theory	182
Major Changes in My Theory of Affect	185
References	194
8. Emotions: A General Psychoevolutionary Theory	197
<i>Robert Plutchik</i>	
A Structural Psychoevolutionary Theory	198
Emotions and Personality	205
Emotions and Cognitions	208
Cognitions are in the Service of Emotions	209
Emotions and Neurophysiology	210
The Antecedents of Emotion	212
Emotion and Social Structure	216
References	218
9. Cognition, Emotion and Motivation: The Doctoring of Humpty-Dumpty	221
<i>Richard S. Lazarus, James C. Coyne, and Susan Folkman</i>	
The Background of our Present Thinking	222
Emotion as Antecedent	225
Cognition Uber Alles	230
Whither Motivation?	230
Concluding Remarks	233
References	235
10. The Interaction of Affect and Cognition	239
<i>R. B. Zajonc</i>	
References	245

11. Thoughts on the Relations Between Emotion and Cognition	247
<i>Richard S. Lazarus</i>	
Do Emotions Require Cognitive Mediation?	247
Some Widespread Confusions About Cognition	252
Some Further Issues about How Emotion is Generated	253
References	255
12. On Primacy of Affect	259
<i>R. B. Zajonc</i>	
"Widespread Misunderstanding"	261
Empirical Basis of Affective Primacy	262
Facts or Definition	265
Independence of Affect and Cognition	266
Conclusion	267
References	269
13. A Perceptual Motor Theory of Emotion	271
<i>Howard Leventhal</i>	
The Perceptual Motor System	272
The Processing System	273
Application of the Model to Basic Problems	279
Conclusions: Emotion as a System	288
References	289
14. On the Nature and Function of Emotion: A Component Process Approach	293
<i>Klaus R. Scherer</i>	
The Functions of Emotion	295
On the Definition and Description of Affective States	297
A Process Model of Stimulus Evaluation	306
Concluding Remarks	315
References	316
15. Expression and the Nature of Emotion	319
<i>Paul Ekman</i>	
Introduction	319
Cross Cultural Studies of Expression	319

Voluntary and Involuntary Expression	321	
Facial Expression and the Autonomic Nervous System	324	
Distinguishing Emotion From Reflex	328	
Characteristics of Emotion	329	
References	341	
16. Animal Communication: Affect or Cognition?		345
<i>Peter Marler</i>		
The Semantics of Alarm Calls in Monkeys	346	
Affect, Cognition, and the Problem of Specificity	350	
Cognition and Emotional Theory	357	
References	363	
PART IV: SOCIOLOGICAL AND ANTHROPOLOGICAL APPROACHES		
17. Power, Status, and Emotions: A Sociological Contribution to a Psychophysiological Domain		369
<i>Theodore D. Kemper</i>		
Power and Status as Social Environment	371	
Sociology, Physiology, and Emotions	376	
Conclusions	380	
References	381	
18. The Role of Emotion in Social Structure		385
<i>Randall Collins</i>		
Emotion as a Micro Basis of Macro-Sociology	386	
References	396	
19. The Emotions in Comparative Perspective		397
<i>Robert I. Levy</i>		
Anthropological Approaches to Emotion	398	
Tahitian Feelings	400	
Feeling, Emotion, Knowing and Culture	401	
References	411	
Author Index	413	
Subject Index	423	