Contents

| | P | refac refac | contributors e to the second edition e to the first edition wledgments | page | xi xiii xiv xv |
|--------|----|----------------|--|------|-------------------------|
| PART I | R | ESEA | ARCH FOUNDATIONS | | 1 |
| | P. | AUL E | KMAN, WALLACE V. FRIESEN, AND PHOEBE ELLSWOI | RTH | |
| | 1 | Con | ceptual ambiguities | | 7 |
| | | PAUI | EKMAN, WALLACE V. FRIESEN, | | |
| | | AND | PHOEBE ELLSWORTH | | |
| | | 1.1 | Historical review | | 7 |
| | | 1.2 | What do we mean by "emotion"? | | 9 |
| | | | How do we determine whether judgments | | |
| | | | of emotion are accurate? | | 11 |
| | | 1.4 | What does establishing generality entail? | | 16 |
| | | 1.5 | Can facial behavior be controlled or disguised | 1? | 17 |
| | | 1.6 | Can two or more emotions be shown | | |
| | | | simultaneously? | | 19 |
| | | 1.7 | Review | | 20 |
| | | | | | |
| | 2 | Met | hodological decisions DALIAW MANNEL MAT | | 22 |
| | | | EKMAN, WALLACE V. FRIESEN, PHOEBE ELLSWORTH | | |
| | | 2.1 | | | 22 |
| | | 2.2 | Choosing the eliciting circumstance | | 25 |
| | | 2.3 | Sampling persons | | 28 |
| | | 2.4 | Sampling behavior from a record | | 29 |
| | | 2.5 | Sampling emotions | | 31 |
| | | | | | |

| | 2.6 | Sampling emotion words, categories, or | |
|---|--------|---|-----|
| | | dimensions in judgment studies | 32 |
| | 2.7 | Choosing a method of recording | 34 |
| | 2.8 | Review | 36 |
| 3 | | at emotion categories or dimensions can | |
| | obse | ervers judge from facial behavior? | 39 |
| | PAUI | L EKMAN, WALLACE V. FRIESEN, | |
| | AND | PHOEBE ELLSWORTH | |
| | 3.1 | Emotion categories | 40 |
| | 3.2 | Emotion dimensions | 47 |
| 4 | Doe | s the face provide accurate information? | 56 |
| | | EKMAN, WALLACE V. FRIESEN, memphelwombA | |
| | | PHOEBE ELLSWORTH | |
| | 4.1 | Can judgments of emotion be accurate? | 57 |
| | 4.2 | Can measurement of facial behavior provide accurate information? | 87 |
| | | accurate information? | 8/ |
| 5 | Wha | at components of facial behavior are related | |
| | | bservers' judgments of emotion? | 98 |
| | PAUL | EKMAN, WALLACE V. FRIESEN, MANAGEMENT | |
| | | PHOEBE ELLSWORTH | |
| | 5.1 | Judgment as a function of facial area observed | 99 |
| | 5.2 | Relationship between observers' judgments and | |
| | | measures of facial components | 103 |
| | 5.3 | Summary | 110 |
| | TATE - | 1.6 Can two or more emotions be shown | |
| 6 | | at are the relative contributions of facial avior and contextual information to the | |
| | | gment of emotion? | 111 |
| | | | 111 |
| | | PHOEBE ELLSWORTH | |
| | 6.1 | PAUL ERMAN, TVALLACE V. PRIEDEN) | 112 |
| | 6.2 | Review of experiments | 117 |
| | 6.3 | 0 | 126 |
| 7 | | Summary at are the similarities and differences in facial | 120 |
| | | avior across cultures? | 128 |
| | | EKMAN, WALLACE V. FRIESEN, | |
| | | PHOEBE ELLSWORTH | |
| | | | |

| Con | tents | | ix |
|----------|-------------------|---|-------------------|
| | 7.1 7.2 7.3 | Historical review Literature review Summary | 128 129 141 |
| | | 11 Measuring the ability to recognize facial exp | |
| PART II | REVI | EW AND PROSPECT | 145 |
| | PAUL I | EKMAN, HARRIET OSTER | |
| 8 | Rev | iew of research, 1970-1980 | 147 |
| | PAUI | L EKMAN AND HARRIET OSTER | |
| | 8.1 | Cross-cultural studies and the issue of universalit | y 147 |
| | 8.2 | Developmental studies | 153 |
| | 8.3 | Facial measurement | 159 |
| | 8.4 | Accuracy | 162 |
| | 8.5 | Facial feedback | 169 |
| | 8.6 | Neural control and ANS correlates of facial | |
| | | expression | 171 |
| PART III | NEW | RESEARCH DIRECTIONS | 175 |
| | PAUL | EKMAN | |
| 888 9 | Mea | suring facial movement with the Facial | |
| | Acti | on Coding System | 178 |
| | PAUI | L EKMAN AND WALLACE V. FRIESEN | |
| | 9.1 | Background to the development of the Facial | |
| | | Action Coding System | 179 |
| | 9.2 | Development of the Facial Action Coding System | |
| | 9.3 | An example of scoring faces | 190 |
| | 9.4 | Reliability of the Facial Action Coding System | 194 |
| | 9.5 | Validity wood your all asgnario rolaled 2.83 | 207 |
| | 9.6 | Conclusion | 211 |
| 390 | | Conclusions | |
| 10 | | evolutionary perspective on human facial | 010 |
| | - | lays | 212 |
| | | JAM K. REDICAN | |
| | 10.1 | Vengi entivi | 010 |
| | 10.0 | nomenclature xebri toofdus | 213 |
| | 10.2 | 0) | 215 |
| | 10.3 | 1 3 | 216 217 |
| | 10.4 | Natural selection | 41/ |

| V | Conte | nte |
|---|--------|-----|
| ^ | CUILLE | 110 |

| | 10.5 | Facial displays and their social contexts | 226 | |
|----|--------------------|--|-----|--|
| | 10.6 | Concluding remarks | 264 | |
| | | 7.3 Summarybroper to bottem a gaisood | | |
| 11 | Meas | uring the ability to recognize facial expressions | | |
| | | THE REVIEW AND PROSPECT. noiton | 281 | |
| | MAUREEN O'SULLIVAN | | | |
| | 11.1 | Measure selection | 282 | |
| | 11.2 | Description of measures | 283 | |
| | 11.3 | Construct validity | 290 | |
| | 11.4 | | 291 | |
| | 11.5 | Stage two: reification | 305 | |
| | 11.6 | A SECTION OF THE PROPERTY OF T | 307 | |
| | 11.7 | Reliability | 311 | |
| | 11.8 | Conclusions and suggestions for future research | 314 | |
| 12 | Asyn | nmetries in facial expression | 318 | |
| | JOSEP | H C. HAGER | | |
| | 12.1 | | 319 | |
| | 12.2 | Facial expression of character and personality | 322 | |
| | 12.3 | Facial identity | 327 | |
| | 12.4 | Facial expression of emotion | 331 | |
| | 12.5 | Summary with an avoid label gninuaeoM ' @ | 348 | |
| 13 | Affe | ct theory | 353 | |
| | SILVA | N S. TOMKINS | | |
| | 13.1 | Affects and drives | 354 | |
| | 13.2 | Innate affect activators | 359 | |
| | 13.3 | Role of the specific affects | 363 | |
| | 13.4 | Polarity theory | 378 | |
| | 13.5 | Major changes in my theory of affect | 382 | |
| (| Conclu | | 396 | |
| 1 | PAUL EN | CMAN TO THE STATE OF THE STATE | | |
| | | | | |
|] | Refere | nces MADICINA X MALLINA | 398 | |
|] | Name : | index | 424 | |
| | Subject | t index | 433 | |