CONTENTS

PREFACE xv

PART I | AN INTRODUCTION TO THE STUDY OF NONVERBAL COMMUNICATION 1

CHAPTER 1 **Nonverbal Communication: Basic Perspectives** 3

Perspective 1: Defining Nonverbal Communication 8
Processing Nonverbal Information 9
Awareness and Control 10

Perspective 2: Classifying Nonverbal Behavior 10
The Communication Environment 11
The Communicators' Physical Characteristics 11
Body Movement and Position 12

Perspective 3: Nonverbal Communication in the Total Communication Process 14
Repeating 15
Conflicting 15
Complementing 18
Substituting 19
Accenting/Moderating 19
Regulating 19

Perspective 4: Historical Trends in Nonverbal Research 21

Perspective 5: Nonverbal Communication in Everyday Life 25

Summary 27

CHAPTER 2 **The Roots of Nonverbal Behavior** 29

The Development of Nonverbal Behavior across Evolutionary Time 31
Evidence from Sensory Deprivation 32
Evidence from Infants 37
Evidence from Twin Studies 40
Evidence from Nonhuman Primates 44
Evidence from Multicultural Studies 52

Summary 57

CHAPTER 3 **The Ability to Receive and Send Nonverbal Signals** 59

Development and Improvement of Nonverbal Skills 61

Is It Good to Have More Accurate Knowledge of Nonverbal Communication? 64

Measuring the Accuracy of Decoding and Encoding Nonverbal Cues 65
Standardized Tests of Decoding Ability 68

Personal Factors Influencing the Accuracy of Decoding Nonverbal Cues 71
Self-Appraisals and Explicit Knowledge of Nonverbal Cues 72
Gender 73
Age 73
General Cognitive Ability 74
Other Personal Correlates 75
Substance Abuse 77
Culture 78

Task Factors Affecting Nonverbal Decoding Accuracy 78

Characteristics of Accurate Nonverbal Senders 79
Putting Decoding and Encoding Together 82

On Being an Observer of Nonverbal Communication 83
The Fallibility of Human Perception 85

Summary 86

PART II | THE COMMUNICATION ENVIRONMENT 89

CHAPTER 4 **The Effects of the Environment on Human Communication** 91

Perceptions of Our Surroundings 94
Perceptions of Formality 94
Perceptions of Warmth 95
Perceptions of Privacy 96
Perceptions of Familiarity 96

Perceptions of Constraint 96
Perceptions of Distance 96

Reacting to Environments 97

Perceptions of Time 98

The Natural Environment 100

Other People in the Environment 104

Architectural Design and Movable Objects 105
Color 108
Sound 111
Lighting 113
Movable Objects 114
Structure and Design 116

Regulating Environments and Communication 121

Summary 122

CHAPTER 5 **The Effects of Territory and Personal Space on Human Communication** 123

The Concept of Territoriality 123

Territoriality: Invasion and Defense 125

Density and Crowding 129
The Effects of High Density on Human Beings 131
Coping with High Density 132

Conversational Distance 133
Sex 137
Age 137
Cultural and Ethnic Background 138
Topic or Subject Matter 139
Setting for the Interaction 140
Physical Characteristics 140
Attitudinal and Emotional Orientation 140
Characteristics of the Interpersonal Relationship 141
Personality Characteristics 141

Seating Behavior and Spatial Arrangements in Small Groups 142
Leadership 143
Dominance 144
Task 144
Sex and Acquaintance 145
Introversion–Extraversion 147
Conclusion 147

Summary 148

PART III | THE COMMUNICATORS 151

CHAPTER 6 **The Effects of Physical Characteristics on Human Communication** 153

Our Body: Its General Attractiveness 154
Dating and Marriage 156
On the Job 159
Persuading Others 160
Self-Esteem 161
Antisocial Behavior 161

The Power of Physical Attractiveness: Some Important Qualifications 162
The Effects of Interaction 162
The Effects of Context 163
Stereotypes Are Not Always Valid 164
Attractiveness over Time 164

Our Body: Its Specific Features 165
Attractiveness and the Face 165
Judgments of the Face 167
Body Shape 169
Height 174
Body Image 177
Body Color 178
Body Smell 179
Body Hair 182

Our Body: Clothes and Other Artifacts 186
Functions of Clothing 188
Clothing as Information About the Person 190
Effects of Clothing on the Wearer 190
Clothing and Personality 191
Artifacts and Body Decorations 192

Summary 194

PART IV | THE COMMUNICATORS' BEHAVIOR 197

CHAPTER 7 **The Effects of Gesture and Posture on Human Communication** 199

Speech-Independent Gestures 201

Speech-Related Gestures 211
Referent-Related Gestures 212
Gestures Indicating a Speaker's Relationship to the Referent 212

Punctuation Gestures 214
Interactive Gestures 214

Gesture Frequency 216

The Coordination of Gesture, Posture, and Speech 219
Self-Synchrony 219
Interaction Synchrony 222

Summary 229

CHAPTER 8 **The Effects of Touch on Human Communication** 231

Touching and Human Development 232

Who Touches Whom, Where, When, and How Much? 234

Different Types of Touching Behavior 237

The Meanings and Impact of Interpersonal Touch 241
Touch as Positive Affect 241
Touch as Negative Affect 241
Touch and Discrete Emotions 242
Touch as Play 242
Touch as Influence 243
Touch as Interaction Management 244
Touch as Physiological Stimulus 244
Touch as Interpersonal Responsiveness 244
Touch as Task Related 245
Touch as Healing 245
Touch as Symbolism 247

Contextual Factors in the Meaning of Interpersonal Touch 249

Touch Can Be a Powerful Nonconscious Force in Interaction 250

Self-Touching 253

Summary 256

CHAPTER 9 **The Effects of the Face on Human Communication** 258

The Face and Personality Judgments 258

The Face and Interaction Management 259
Channel Control 260
Complementing or Qualifying Other Behavior 260
Replacing Spoken Messages 260

The Face and Expressions of Emotion 261
Display Rules and Facial Emotion Expression 262
The Facial Emotion Controversy 266
Measuring the Face 268

Measuring Emotion Recognition 274
Emotions Inferred from the Face 278

Physiology and the Face 285
Internalizers and Externalizers 285
Facial Expression and Health 285
Facial Feedback 286

The Social Impact of Facial Expressions 289

Summary 293

CHAPTER 10 **The Effects of Eye Behavior on Human Communication** 295

Gaze and Mutual Gaze 296

Functions of Gazing 297
Regulating the Flow of Communication 298
Monitoring Feedback 300
Reflecting Cognitive Activity 301
Expressing Emotions 301

Communicating the Nature of the Interpersonal Relationship 306

Conditions Influencing Gazing Patterns 309
Distance 309
Physical Characteristics 310
Personal Characteristics and Personality 310
Psychopathology 313
Topics and Tasks 314
Cultural and Racial Background and Racial Attitudes 317

Pupil Dilation and Constriction 318

Summary 321

CHAPTER 11 **The Effects of Vocal Cues That Accompany Spoken Words** 323

The Relative Importance of Channels 324

The Ingredients and Methods of Studying Paralanguage 326

Vocal Cues and Speaker Recognition 330

Vocal Cues and Personality 333

Vocal Cues and Group Perceptions 336

Vocal Cues and Judgments of Sociodemographic Characteristics 337
Sex 337
Age 339
Social Class or Status 339
Characteristics of Recipients 339

Vocal Cues and Emotion 341

Vocal Cues, Comprehension, and Persuasion 346
Vocal Cues, Comprehension, and Retention 347
Vocal Cues and Persuasion 348

Vocal Cues and Turn Taking in Conversations 349
Turn Yielding 350
Turn Requesting 350
Turn Maintaining 351
Turn Denying 351

Hesitations, Pauses, Silence, and Speech 351
Location or Placement of Pauses 352
Types of Pauses 352
Reasons Why Pauses Occur 353
Influence and Coordination within the Dyad 354
Silence 354

Summary 355

PART V | COMMUNICATING IMPORTANT MESSAGES 357

CHAPTER 12 **Using Nonverbal Behavior in Daily Interaction** 359

Communicating Intimacy 360
Courtship Behavior 360
Quasi-Courtship Behavior 363
Liking Behavior or Immediacy 364
Being Close in Close Relationships 364
Mutual Influence 367

Communicating Dominance and Status 369

Managing the Interaction 373
Greeting Behavior 373
Turn-Taking Behavior 375
Leave-Taking Behavior 378

Communicating Our Identity 379
Personal Identity 380
Social Identity 382

Deceiving Others 387

A Perspective for Communicators 392

Summary 393

CHAPTER 13 **Nonverbal Messages in Special Contexts** 395

Advertising Messages 396

Political Messages 401

Teacher–Student Messages 405

Cultural Messages 408
High-Contact versus Low-Contact Cultures 408
Individualism versus Collectivism 409
High-Context versus Low-Context Cultures 410
Similarities across Cultures 410

Therapeutic Settings 411

Technology and Nonverbal Messages 414

Summary 419

REFERENCES 421

NAME INDEX 493

SUBJECT INDEX 508