

CONTENTS

ACKNOWLEDGMENTS	v
1. INTRODUCTION	1
2. CONSIDERATIONS IN NONVERBAL COMMUNICATION	5
A. Motion and Sound--Structured Behavior	5
Relationship of Nonverbal Behavior and Language	10
B. Rhythm	10
C. Relationship of Physiology to Communication	12
The Brain and Nonverbal Behavior	
D. Relationship of Psychology to Communication	19
E. Human Communication	20
Interaction/Interlocution/Transaction	23
F. Acquisition of Communication	27
Innate and Learned Behavior	27
Imprinting, Imitative Behavior	28
Infant Development	29
G. Animal and Human Comparative Behavior	36
H. Extra-Terrestrial Communication	37
I. History of Ideas	37
J. Historical Reconstruction	41
Origin of Language	45
K. Theories and Models	46
L. Universality and Future of Nonverbal Studies	50
3. REVIEW OF THE LITERATURE	52
4. NOTATION SYSTEMS	55
A. Paralinguistic Notation	57
B. Kinesic Notation	61
C. Dance Notation Systems	71
D. Annotating Both Paralanguage and Kinesics	72
E. Annotating Interactional, Tactile, and Proxemic Behavior	74
F. Kinds of Notation Systems and Recording Devices	76
G. History of Notation Systems	89

5.	THE ELEMENTS OF NONVERBAL BEHAVIOR	92
	A. Paralanguage	92
	B. Kinesics	100
	C. Tactile Behavior	112
	D. Sensory Communication	113
	E. Proxemics (Space)	113
	F. Chronemics (Time)	114
	G. By-Elements: Artifacts, Clothing, Hair	116
	H. Silence	117
6.	SPECIFIC NONVERBAL ACTS	119
	A. Outcries	119
	B. Mimicry--Baby Talk	119
	C. Descriptive and Symbolic Gestures	119
	D. Greetings and Leave Takings	120
	E. Deictic Gestures	120
	F. Affirmation and Negation	120
7.	DIALECTS AND VARIETIES OF NONVERBAL BEHAVIOR	122
	A. Patterned Individual Behavior	123
	B. Patterned Group Behavior	123
	Geographic Varieties	
	Temporal Varieties	
	State-of-Being Dimensions	
	Age	
	Sex	
	Status	
	C. Cultural Dialects	125
	Rites of Passage	
	Occupation	
	Education	
	Athletics	
	Societies and Clubs	
	Warfare	
	Religious Ritual	
	Folk Gestures	
	The Arts and Performance	
	D. Language Substitutes/Surrogates	133
	Lingua Franca	
	Circumstantial	
	Non-Normal	
	E. Cross-Cultural Varieties	136
	BIBLIOGRAPHY	142
	NOTES	429
	INDEX	433