

# Contents

Preface	v
List of Contributors	xi
<b>PART I. OVERALL CONSIDERATIONS OF HUMAN BEINGS INTERACTING IN THEIR WORLD</b>	
Overall Considerations of Human Beings Interacting in Their World by <i>Mary Ritchie Key</i>	3
A. Interaction, Behavior, and Communication	3
B. Ecological and Artifactual Patterning	5
C. Physiological and Social Aspects of Interaction	8
D. Expressive and Linguistic Aspects of Nonverbal Behavior	9
E. Origins and Development of Communicative Behavior	10
F. Theoretical Modeling of Communicative Behavior	11
<b>PART II. ECOLOGICAL AND ARTIFACTUAL PATTERNING</b>	
The Communication of Environmental Meaning: Hemispheres in Conflict by <i>J. Sonnenfeld</i>	17
<b>PART III. PHYSIOLOGICAL AND SOCIAL ASPECTS OF INTERACTION</b>	
The Effect of Verbal/Visual Interactions on Drawing Ability by <i>Betty A. Edwards</i>	33
Abstract: A Study of the Blushing Response Using Self-reported Data from College Students by <i>Maynard Kirk Davis</i>	55
The Modification of Word Meaning by Nonverbal Cues by <i>Howard S. Friedman</i>	57

Nonverbal Communication as Political Behavior by <i>Glendon Schubert</i>	69
The Structure of Behavioral Elements in Social and Work Situations by <i>Michael Argyle, Jean Ann Graham, and Marga Kreckel</i>	87
PART IV. EXPRESSIVE AND LINGUISTIC ASPECTS OF NONVERBAL BEHAVIOR	
The Meanings of Emotional Expression by <i>Nico H. Frijda</i>	103
New Perspectives for an Integrative Research of Nonverbal Systems by <i>Fernando Poyatos</i>	121
Constraints on Basic Sign Order and Word Order Universals by <i>Yau Shun-Chiu</i>	139
PART V. ORIGINS AND DEVELOPMENT OF COMMUNICATIVE BEHAVIOR	
Intonation as an Early Marker of Meaning by <i>Thelma E. Weeks</i>	157
Micro-Timing in Mother-Infant Communication by <i>Beatrice Beebe</i>	169
Coordinated Movement in Children's Faces, and What Parents Know About It by <i>Kenneth H. Abrams</i>	197
Deaf Children and Chimpanzees: A Comparative Sociolinguistic Investigation by <i>Diane Atkinson Gorcyca, Patrick H. Garner and Roger S. Fouts</i>	219
Nonverbal Antecedents to Language Functioning: A Model and Its Relevance for the Deaf by <i>Sheila J. White</i>	233
General Semiotic Capabilities of the Higher Primates: Some Hypotheses on Communication and Cognition in the Evolution of Human Semiotic Systems by <i>Jaak Valsiner and Jüri Allik</i>	245

**PART VI. THEORETICAL MODELING OF COMMUNICATIVE  
BEHAVIOR**

Biophysics, Linguistics, and the Unity of Science by <i>C. F. Hockett</i>	261
The Eternal Triangle Effect by <i>H. Pierre Noyes</i>	279
Bibliography	285
Index	317