

CONTENTS

Preface xi

Acknowledgments xiv

1 Verbal Behavior Analysis and Verbal Development 1

Introduction to Verbal Behavior Analysis 2

Relation between Verbal Behavior Analysis and Basic and Applied Behavior Analysis 5

Protocols for Inducing New Verbal Capabilities 8

Selecting a Verbal Topography: Linguistic and Verbal Behavior Contributions 10

Research in Verbal Behavior Analysis 13

Developmental Milestones in Verbal Behavior 13

Summary 24

Endnotes 25

2 Teaching and Learning Verbal Operants and Verbal Developmental Capabilities: Definitions and Measurement 26

Selecting Verbal Forms and Functions for Instruction 27

Conducting and Recording Probes 29

Probe Mastery Criterion, Data Collection, and Graphing 30

Presenting and Measuring Learn Units 31

Presenting Learn Units 33

Recording and Graphing Verbal Behavior 36

Teaching Graphs 40 / Generalization Graphs 42

Providing and Measuring Accurate Instructional Decisions 43

5 Inducing Advanced Speaker Functions and Correcting Faulty Vocal Behavior 165

Advancing Key Verbal Capabilities 166

Inducing and Expanding Tact and Intraverbal Capabilities 166

Tact Capabilities 166 / Intraverbal Capabilities 167

Learning Tacts from Observation 172

Instructional Procedure for Teaching Observational Learning of Tacts
(Developing Tacts by Observing Others Receive Learn Units) 173 /
Pre- and Post-Intervention Evaluation Probes for Observational Learning
of Tacts 174 / Yoked-contingency Interventions 174 /
Joint Yoked-Contingency and Peer-Monitoring Protocol 179

Intraverbal Capabilities and Social Interaction 181

Conversational Units 184

Pre- and Post-Assessment for Conversational Units and Sequelics 192

Acquiring the Listener Reinforcement Component of Social Exchanges 193

General Game Board Description and Set-up 193

Production Program for Emission of Appropriate Talking 199

Replacing Echolalia and Palilalia with Functional Verbal Behavior 203

Fixing Improperly Learned Control of Echoic Responses 203 / Textual Test
and Textual Stimulus Prompt Protocol 204 / Auditory Matching to Correct
Faulty Echoic Responding 206

Replacing Vocal Stereotypy with Functional Verbal Behavior 208

Assessing the Function of Vocal Stereotypy 208 / Tact Protocol to Replace
Palilalia 209

Summary 214

Endnotes 215

6 Reading and Writing: Print-Governed and Print-Governing Verbal Behavior 216

Scope and Purpose of the Print Control Chapter 216

Book-conditioning Protocol 221

Stimulus-Stimulus Pairing Training/Test Trials for Conditioning Stimuli as
Reinforcers for Observing 221 / Probes for Conditioned Reinforcement
for Observing Books 223

Word-Picture Discrimination and Matching 223

Tactics for Teaching Word-Picture and Matching Discrimination 225 /

Using the Edmark® Reading Series 226 /

Reading Comprehension from Hearing One's Own Textual Responses 231**Multiple Exemplar Instruction Auditory and Visual Components of Reading Responses 231****Adding Print Stimuli to the Joint Control over Speaker and Listener Responding in the Naming Capability 233****Phonetic Reading for Textual Responding: Acquiring the Topography 236****Using the Auditory Matching Protocol in Solving Phonetic Reading Difficulties 236****Motivational Functions of Reading and Writing 238**

Establishing the "Need to Read" 238

Establishing the Topography of Writing 239**Protocol: Writer Immersion 244****Summary 250****7 Identifying and Inducing Verbal Development Capabilities 252****Problems in Verbal Development, Current Solutions, and a Trajectory for More Solutions 253****Foundations of Speaker and Listener Capabilities 253**

When Attention to the Teacher is Missing 253 / When Attention to Instructional Stimuli is Missing 254 / When the Capacity for Sameness is Missing—Do the Sensory Matching Protocol 254 / When the Capability to be Reinforced for Attention to Adult Voices Is Missing 255 / When the Capability for Emitting Speaker Verbal Operants is Missing 255 / When the Capability to Match Consonant/Vowel Combinations of Spoken Words Is Missing or Speech Is Faulty—Do the Auditory Matching Protocol 255 / When Basic Listener Literacy Is Missing 256 / When There Are Few Tacts in Repertoire: Expand the Tact Repertoire 256 / When the Listener Capability of Naming Is Missing: Implement the Multiple Exemplar Protocol for the Listener Component of Naming 256 / When Capability for Observational Learning of the Listener Half of Naming Is Missing 257 / When the Capability of Observational Learning of Tacts Is Missing 257 / Fixing Faulty Echoic and Intraverbal Repertoires 257

Joining Speaker and Listener Capabilities	258
Speaker-as-Own-Listener 258 / How to Expand Tacts Before Naming is Present and to Continue Rapid Expansion of the Tact Repertoire 258 / Observational Learning of Tacts and the "Wh" Repertoire 258 / Expanding Observational Learning of Tacts and the Observational Learning Capability 258 / Inducing Observational Learning if It Is Missing 259 / Joining Print to Speaker-as-Own-Listener Capabilities 261	
Stages of Verbal Development	261
A Note on Scientific Evidence	270
Some Suggested Areas for Further Research	273
Appendix A A Description of the Comprehensive Application of Behavior Analysis to Schooling (CABAS®) Model	276
Appendix B Sample Data Collection Forms	278
Appendix C Sample Training Graphs	281
Glossary	287
References	305
Index	319