# **CONTENTS**

## INTRODUCTION

# Part I. INTRODUCTION TO BEHAVIORAL EDUCATION - 1

## 1. Two Views of Behavioral Education - 2

How I Spent My Christmas Vacation - 3 H. S. Pennypacker

Behavior Modification Techniques for the Educational Technologist - 18
Richard B. Stuart

# Part II. NEW PROGRAMS OF BEHAVIORAL EDUCATION - 41

## 2. In the Education of Infants - 42

Infant Day Care - 44
M. F. Cataldo and Todd R. Risley

An Educational Day-care Program for Infants - 50 D. B. Spates, G. J. Alessi, A. Gutmann, S. Ellsworth, K. L. Mueller, and R. E. Ulrich

### 3. In Early Education - 61

The Use of a Token System in Project Head Start - 62 L. Keith Miller and Richard Schneider

The Effectiveness of Direct Verbal Instruction on IQ Performance and Achievement in Reading and Arithmetic - 69
Siegfried Engelmann

# 4. In Elementary-School Education - 85

Operant Conditioning in the Classroom Setting: A Review of Research - 86
Karl I. Altman and Thomas E. Linton

The Use of Behavior Modification by Individual Classroom Teachers - 96 Thomas J. Stachnik

The Learning Village Elementary School - 106 C. Hren, K. Mueller, C. R. Spates, C. Ulrich, and R. E. Ulrich

# 5. In Adolescent and Secondary Education - 115

Use of Group Activities and Team Rewards to Increase Individual Classroom Productivity - 116
Barbara B. Sloggett

Effective Behavior Change at the Anne Arundel Learning Center Through Minimum Contact Interventions - 124
Shlomo I. Cohen, J. Michael Keyworth, Richard I. Kleiner, and William L. Brown

## 6. In College and University Education - 143

Contingency Management in University Courses - 144 Kenneth E. Lloyd

An Experimental Approach to Learning: Introduction for Students - 153 Philip N. Hineline

An Experimental Approach to Teaching: Introduction for Teachers - 155 Philip N. Hineline

I've Got Blisters on My Soul ... - 161 R. W. Malott, Patricia Hartlep, and Stuart Hartlep

#### 7. In the Education of Adults - 169

Reinforcing Self-help Group Activities of Welfare Recipients - 170 L. Keith Miller and Ocoee L. Miller

The Use of Contingency Management to Affect Learning Performance in Adult Institutionalized Offenders - 177

John M. McKee

Universal Parenthood-Training: A Proposal for Preventive Mental Health - 187
Robert P. Hawkins

#### 8. In Special Education - 193

Nonreinforcement for Teachers: Penalties for Success - 194 Maryanne Q. Brown

The School Adjustment Program: A Model Program for Treatment of Severely Maladjusted Children in the Public Schools - 197
Robert P. Hawkins and J. Eric Hayes

#### 9. In Personal Education - 209

On Developing Personally Competent Individuals: A Behavioral Perspective - 210 Carl E. Thoresen

The View from the Inner Eye: Personal Management of Inner and Outer Behaviors - 213

Ann Dell Duncan

Social Control of Form Diversity and the Emergence of New Forms in Children's Blockbuilding - 217

Elizabeth M. Goetz and Donald M. Baer

#### 10. In Community Settings - 225

Public Access Learning: Experimental Studies in a Public Museum - 226 C. G. Screven

Exercises in the Design of Learning Environments - 234 Richard Allen Chase, M.D. Michael Williams, and John J. Fisher, III

## Part III. A BEHAVIORAL TECHNOLOGY OF EDUCATION - 253

#### 11. Behavioral Objectives - 254

Measurable Objectives for Educational Programs - 255

Ierry Short

Linguistics, Communication, and Behavioral Objectives: A Remedial Curriculum - 265
Richard R. Lee

#### 12. Programmed and Automated Instruction - 274

The Basic Programming Principles - 275 Susan Meyer Markle

Problems of Applying Computer Technology to Teacher Education - 289 Alfred Ellison

Teaching Classification by Computer - 295 James G. Holland and Judith Doran

#### 13. Structuring Antecedent Stimuli - 298

Teaching Concepts and Operations, or How to Make Kids Smart - 299 Wesley C. Becker

Some Principles of Instructional Design at Higher Cognitive Levels - 312 Susan M. Markle and Philip W. Tiemann

# 14. Techniques for the Modification of Group Behavior - 324

Effects of Group Contingent Events upon Classroom Noise - 325 Gilbert W. Schmidt and Roger E. Ulrich

Group Contingencies, Peer Tutoring, and Accelerating Academic Achievement - 333 Robert L. Hamblin, Craig Hathaway, and John Wodarski

# 15. Techniques for the Reduction of Problem Behaviors - 341

The Modification of Several Classroom Behaviors of an Emotionally Disturbed Child in a Regular Classroom - 342

Moira McArthur and Robert P. Hawkins

Good Behavior Game: Effects of Individual Contingencies for Group Consequences on Disruptive Behavior in a Classroom - 353

Harriet H. Barrish, Muriel Saunders, and Montrose M. Wolf

The Functions of Time-out for Changing the Aggressive Behaviors of a Preschool Child: A Multiple-baseline Analysis - 359 Iudith M. LeBlanc, Karen Haney Busby, and Carolyn L. Thomson

## 16. Assessment, Accountability, and Performance Contracting - 365

A Source of Disorder in the Schools and a Way to Reduce It: Two Kinds of Tests - 367
Roy A. Moxley, Jr.

The Effect of Internal Accountability on the Development of a Bilingual Program - 372 Robert M. Offenberg

How We ALL Failed in Performance Contracting - 378 Ellis B. Page

#### 17. Precision Teaching - 383

"... and a Child Shall Lead Them": Stephanie's Chart Story - 384
Stephanie Bates and Douglas F. Bates

Precision Teaching in Perspective: An Interview with Ogden R. Lindsley - 387

Precision Techniques in the Management of Teacher and Child Behaviors - 391

Marie Gassholt

# Part IV. THE FUTURE OF BEHAVIORAL EDUCATION: ISSUES AND POSSIBILITIES - 399

#### 18. Some Issues in Behavioral Education - 400

Tangible Reinforcers: Bonuses or Bribes? - 401 K. Daniel O'Leary, Rita W. Poulos, and Vernon T. Devine

Guidelines for Using Behavior Modification in Education - 408 Roger W. McIntire

Political Implications of Applying Behavioral Psychology - 413 James G. Holland

#### 19. Some Possibilities in Behavioral Education - 420

Student Applications of Behavior Modification to Teachers and Environments or Ecological Approaches to Social Deviancy - 421
Paul S. Graubard, Harry Rosenberg, and Martin B. Miller

The Challenge of Youth - 432 Henry S. Pennypacker