Contents

Volume 1: Methods and Principles

Editorial Board ................................................................. vii
About the Editor-in-Chief .................................................. ix
Contributors ................................................................. xi
Foreword ................................................................. xv
Series Preface ...................................................... xix
Introduction .............................................................. xxi

Part I. Overview ............................................................. 1

Chapter 1. Single-Case Research Methods: An Overview ....................... 3

  Iver H. Iversen

Chapter 2. The Five Pillars of the Experimental Analysis of Behavior .................. 33

  Kennon A. Lattal

Chapter 3. Translational Research in Behavior Analysis ....................... 65

  William V. Dube

Chapter 4. Applied Behavior Analysis .................................. 81

  Dorothea C. Lerman, Brian A. Iwata, and Gregory P. Hanley

Part II. Single-Case Research Designs .................................... 105

Chapter 5. Single-Case Experimental Designs ................................ 107

  Michael Perone and Daniel E. Hursh

Chapter 6. Observation and Measurement in Behavior Analysis ............. 127

  Raymond G. Miltenberger and Timothy M. Weil

Chapter 7. Generality and Generalization of Research Findings .................. 151

  Marc N. Branch and Henry S. Pennypacker

Chapter 8. Single-Case Research Designs and the Scientist-Practitioner

  Ideal in Applied Psychology ........................................ 177

  Neville M. Blampied


  Jason C. Bourret and Cynthia J. Pietras

Chapter 10. Quantitative Description of Environment–Behavior Relations ........ 219

  Jesse Dallery and Paul L. Soto
Contents

Chapter 11. Time-Series Statistical Analysis of Single-Case Data ....................... 251
Jeffrey J. Borchardt, Michael R. Nash, Wendy Gallup, Sarah Galloway, and Alok Madan

Chapter 12. New Methods for Sequential Behavior Analysis ......................... 267
Peter C. M. Molenaar and Tamara Goode

Part III. The Experimental Analysis of Behavior ........................................ 281

Chapter 13. Pavlovian Conditioning ...................................................... 283
K. Matthew Lattal

Chapter 14. The Allocation of Operant Behavior ........................................ 307
Randolph C. Grace and Andrew D. Hucks

Chapter 15. Behavioral Neuroscience .................................................... 339
David W. Schaal

Chapter 16. Stimulus Control and Stimulus Class Formation ....................... 361
Peter J. Urcuioli

Chapter 17. Attention and Conditioned Reinforcement ................................ 387
Timothy A. Shahan

Chapter 18. Remembering and Forgetting .............................................. 411
K. Geoffrey White

Chapter 19. The Logic and Illogic of Human Reasoning ............................... 439
Edmund Fantino and Stephanie Solorz-Fantino

Chapter 20. Self-Control and Altruism .................................................. 463
Matthew L. Lacey, Bryan A. Jones, and Howard Rachlin

Chapter 21. Behavior in Relation to Aversive Events: Punishment and Negative Reinforcement ......................... 483
Philip N. Hineline and Jesús Rosales-Ruiz

Chapter 22. Operant Variability ......................................................... 513
Allen Neuringer and Greg Jensen

Chapter 23. Behavioral Pharmacology .................................................. 547
Gail Winger and James H. Woods
Contents

Volume 2: Translating Principles Into Practice

Editorial Board ................................................................. vii

Part I. Translational Research in Behavior Analysis .................... 1

Chapter 1. From Behavioral Research to Clinical Therapy .................. 3
  Paul M. Guinther and Michael J. Dougher

Chapter 2. Translational Applied Behavior Analysis and Neuroscience .......... 33
  Travis Thompson

Chapter 3. Arranging Reinforcement Contingencies in Applied Settings:
  Fundamentals and Implications of Recent Basic and Applied Research ........ 47
  Iser G. DeLeon, Christopher E. Bullock, and A. Charles Catania

Chapter 4. Operant Extinction: Elimination and Generation of Behavior ......... 77
  Kennon A. Lattal, Claire St. Peter, and Rogelio Escobar

Chapter 5. Response Strength and Persistence ................................ 109
  John A. Nevin and David P. Wacker

Chapter 6. Simple and Complex Discrimination Learning .................... 129
  William J. McIvane

Chapter 7. Translational Applications of Quantitative Choice Models ............ 165
  Eric A. Jacobs, John C. Borrero, and Timothy R. Vollmer

Chapter 8. The Translational Utility of Behavioral Economics:
  The Experimental Analysis of Consumption and Choice .................... 191
  Steven R. Hursh, Gregory J. Madden, Ralph Spiga, Iser G. DeLeon,
  and Monica T. Francisco

Chapter 9. Environmental Health and Behavior Analysis:
  Contributions and Interactions ........................................... 225
  M. Christopher Newland

Chapter 10. Toward Prosocial Behavior and Environments: Behavioral and
  Cultural Contingencies in a Public Health Framework ....................... 255
  Anthony Biglan and Sigrid S. Glenn
Contents

Part II. Applied/Clinical Issues ................................................. 277

Chapter 11. Behavioral Approaches to Treatment of Intellectual and 
Developmental Disabilities ........................................... 279
  Patricia F. Kurtz and Michael A. Lind

Chapter 12. Behavioral Approaches to the Treatment of Autism .................. 301
  William H. Ahearn and Jeffrey H. Tiger

Chapter 13. The Analysis of Verbal Behavior and Its Therapeutic Applications .... 329
  James E. Carr and Caio F. Miguel

Chapter 14. Assessment and Treatment of Severe Problem Behavior ............. 353
  Louis P. Hagopian, Claudia L. Dozier, Griffin W. Rooker, 
  and Brooke A. Jones

Chapter 15. Understanding and Treating Attention-Deficit/Hyperactivity Disorder ... 387
  Nancy A. Neef, Christopher J. Perrin, and Gregory J. Madden

Chapter 16. Teaching Reading ............................................. 405
  Edward J. Daly III and Sara Kupzyk

Chapter 17. Sleep: A Behavioral Account .................................. 425
  Neville M. Blampied and Richard R. Bootzin

Chapter 18. Acceptance and Commitment Therapy: Applying an Iterative 
Translational Research Strategy in Behavior Analysis ........................... 455
  Michael E. Levin, Steven C. Hayes, and Roger Vilardaga

Chapter 19. Voucher-Based Contingency Management in the Treatment 
of Substance Use Disorders ........................................ 481

Chapter 20. Behavioral Approaches to Business and Industrial Problems: 
Organizational Behavior Management ........................................ 501
  William B. Abernathy

Chapter 21. Contributions of Behavior Analysis to Higher Education ............ 523
  Dan Bernstein and Philip N. Chase

Chapter 22. Behavioral Gerontology ......................................... 545
  Jane Turner and R. Mark Mathews

Index ................................................................. 563