

Contents (overview)

<i>Contents (detailed)</i>	page vii
<i>Preface</i>	xiii
<i>List of contributors</i>	xvii

Introduction

The operant behaviorism of B. F. Skinner A. CHARLES CATANIA	3
--	---

Canonical papers of B. F. Skinner

1 Selection by consequences	11
Postscript	20
Commentaries and responses	20
2 Methods and theories in the experimental analysis of behavior	77
Postscript	104
Commentaries and responses	105
3 The operational analysis of psychological terms	150
Postscript	162
Commentaries and responses	164
4 An operant analysis of problem solving	218
Postscript	236
Commentaries and responses	236
5 Behaviorism at fifty	278
Postscript	292
Commentaries and responses	293
6 The phylogeny and ontogeny of behavior	382
Postscript	400
Commentaries and responses	401

Summing up

7 What are the scope and limits of radical behaviorist theory? STEVEN HARNAD Skinner's reply to Harnad	465 468
--	------------

8	Problems of selection and phylogeny, terms and methods of behaviorism	474
	A. CHARLES CATANIA	
	Skinner's reply to Catania	483
	<i>Appendix: Biographical sketch and bibliography of works by B. F. Skinner</i>	489
	<i>Acknowledgments and notes</i>	496
	<i>References</i>	498
	<i>Name index</i>	527
	<i>Subject index</i>	535

Contents (detailed)

<i>Preface</i>	page xiii
<i>List of contributors</i>	xvii
Introduction	
The operant behaviorism of B. F. Skinner	3
A. CHARLES CATANIA	
Canonical papers of B. F. Skinner	
<i>(Skinner's responses follow immediately after each commentary)</i>	
1 Selection by consequences	11
Postscript	20
Commentaries and responses	20
Skinner on selection: A case study of intellectual isolation – GEORGE W. BARLOW	20
On the status of causal modes – ROBERT C. BOLLES	23
B. F. Skinner: A dissident view – KENNETH E. BOULDING	25
Behaviorism and natural selection – C. B. G. CAMPBELL	27
Skinner, selection, and self-control – BO DAHLBOM	29
Replicators, consequences, and displacement activities – RICHARD DAWKINS	33
Skinner: The Darwin of ontogeny? – JOHN W. DONAHOE	36
The wider context of selection by consequences – THOMAS J. GAMBLE	39
The emancipation of thought and culture from their original material substrates – MICHAEL T. GHISELIN	40
Fitting culture into a Skinner box – C. R. HALLPIKE	42
Group and individual effects in selection – MARVIN HARRIS	46
On the stabilization of behavioral selection – WERNER K. HONIG	48
Cause and effect in evolution – MICHAEL J. KATZ	50
A one-sided view of evolution – J. MAYNARD SMITH	52
Linear and circular causal sequences – H. C. PLOTKIN AND F. J. ODLING-SMEE	54
Contingency-governed science – ROBERT R. PROVINE	56
Fitness, reinforcement, underlying mechanisms – ALEXANDER ROSENBERG	57
Perspectives by consequences – DUANE M. RUMBAUGH	60
Selectionism, mentalisms, and behaviorism – JONATHAN SCHULL	62
Bridges from behaviorism to biopsychology – PAUL R. SOLOMON	65
Selection misconstrued – STEPHEN C. STEARNS	67
Selection by consequences: A universal causal mode? – WILLIAM TIMBERLAKE	69
Giving up the ghost – WILLIAM VAUGHAN, JR.	73
Natural selection and operant behavior – WANDA WYRWICKA	74

2	Methods and theories in the experimental analysis of behavior	77
	Postscript	104
	Commentaries and responses	105
	Real people, ordinary language, and natural measurement – SAMUEL M. DIETZ	105
	Some overt behavior is neither elicited nor emitted – WAYNE HERSHBERGER	107
	Behavior theory: A contradiction in terms? – R. DUNCAN LUCE	109
	The challenge to Skinner's theory of behavior – BRIAN MACKENZIE	111
	The role of the statistician in psychology – F. H. C. MARRIOTT	114
	Cognitive science: A different approach to scientific psychology – RICHARD MILLWARD	115
	Should we return to the laboratory to find out about learning? – J. M. E. MORAVCSIK	118
	Skinner's philosophy of method – R. J. NELSON	121
	Lessons from the history of science? – JOHN M. NICHOLAS	123
	Are Skinner's warnings still relevant to current psychology? – MARC N. RICHELLE	125
	What then should we do? – SETH ROBERTS	128
	The dark side of Skinnerian epistemology – WILLIAM W. ROZEBOOM	131
	Current questions for the science of behavior – KENNETH M. SAYRE	134
	Theories and human behavior – MORTON L. SCHAGRIN	136
	The question: Not <i>shall</i> it be, but <i>which</i> shall it be? – CHARLES P. SHIMP	138
	Behavior, theories, and the inner – ERNEST SOSA	141
	Psychology: Toward the mathematical inner man – JAMES T. TOWNSEND	145
	Behavioral and statistical theorists and their disciples – LEROY WOLINS	147
3	The operational analysis of psychological terms	150
	Postscript	162
	Commentaries and responses	164
	Stimulus–response meaning theory – JONATHAN BENNETT	164
	Waiting for the world to make me talk and tell me what I meant – RICHARD P. BRINKER AND JULIAN JAYNES	168
	Skinner on the verbal behavior of verbal behaviorists – ARTHUR C. DANTO	171
	Wishful thinking – DANIEL C. DENNETT	174
	Private reference – K. R. GARRETT	176
	Sensation and classification – GEORGE GRAHAM	178
	Operationism, smuggled connotations, and the nothing-else clause – PETER HARZEM	181
	What, then, is Skinner's operationism? – PHILIP N. HINELINE	183
	Skinner on sensations – MAX HOCUTT	185
	Social traits, self-observations, and other hypothetical constructs – DOUGLAS T. KENRICK AND RICHARD C. KEEFE	187
	The flight from human behavior – C. FERGUS LOWE	189
	Radical behaviorism and mental events: Four methodological queries – PAUL E. MEEHL	192
	On Skinner's radical operationalism – J. MOORE	194
	Logic, reference, and mentalism – ULLIN T. PLACE	197
	Mental, yes; private, no – HOWARD RACHLIN	200
	B. F. Skinner's operationism – JON D. RINGEN	202
	There is more than one way to access an image – LYNN C. ROBERTSON	204
	B. F. Skinner's theorizing – DOUGLAS STALKER AND PAUL ZIFF	206
	A behavioral theory of mind? – H.S. TERRACE	209
	On the operational definition of a toothache – COLIN WRIGHT	213
	Radical behaviorism and theoretical entities – G. E. ZURIFF	216

4	An operant analysis of problem solving	218
	Postscript	236
	Commentaries and responses	236
	On the depth and fit of behaviourist explanation – L. JONATHAN COHEN	236
	Can we analyze Skinner's problem-solving behavior in operant terms? – P. C. DODWELL	239
	Learning from instruction – JEROME A. FELDMAN	242
	The microscopic analysis of behavior: Toward a synthesis of instrumental, perceptual, and cognitive ideas – STEPHEN GROSSBERG	242
	Psychology as moral rhetoric – ROM HARRÉ	245
	On choosing the "right" stimulus and rule – ROBIN M. HOGARTH	248
	A case study of how a paper containing good ideas, presented by a distinguished scientist to an appropriate audience, had almost no influence at all – EARL HUNT	250
	Contingencies, rules, and the "problem" of novel behavior – PERE JULIÀ	253
	Can Skinner define a problem? – GEIR KAUFMANN	255
	Problem solving as a cognitive process – MANFRED KOCHEN	257
	Is there such a thing as a problem situation? – KJELL RAAHEIM	259
	Questions raised by the reinforcement paradigm – ANATOL RAPOPORT	261
	Response classes, operants, and rules in problem solving – JAN G. REIN	263
	New wine in old glasses? – JOSEPH M. SCANDURA	265
	Rule-governed behavior in computational psychology – EDWARD P. STABLER, JR.	268
	Operant analysis of problem solving: Answers to questions you probably don't want to ask – ROBERT J. STERNBERG	272
	The egg revealed – WILLIAM S. VERPLANCK	273
	Negation in Skinner's system – N. E. WETHERICK	275
5	Behaviorism at fifty	278
	Postscript	292
	Commentaries and responses	293
	A defense of ignorance – JONATHAN E. ADLER	293
	The fruitful metaphor, but a metaphor, nonetheless – MARC BELTH	295
	Skinner as conceptual analyst – LAWRENCE H. DAVIS	297
	Treading the primrose path of dalliance in psychology – B. A. FARRELL	299
	Undifferentiated and "mote-beam" percepts in Watsonian-Skinnerian behaviorism – JOHN J. FUREDY AND DIANE M. RILEY	302
	Consciousness, explanation, and the verbal community – GORDON G. GALLUP, JR.	305
	In search of a theory of learning – ALISON GOPNIK	307
	A causal role for "conscious" seeing – ROBERT M. GORDON	309
	Leibnizian privacy and Skinnerian privacy – KEITH GUNDERSON	311
	I've got you under my skin – JOHN HEIL	314
	B. F. Skinner's confused philosophy of science – LAURENCE HITTERDALE	316
	J. B. Watson's imagery and other mentalistic problems – FRANCIS W. IRWIN	319
	What's on the minds of children? – CARL N. JOHNSON	321
	Artificially intelligent mental models – MICHAEL LEBOWITZ	323
	Skinner and the mind-body problem – WILLIAM G. LYCAN	325
	Behaviorism and the "problem of privacy" – WILLIAM LYONS	328
	Philosophy and the future of behaviorism – M. JACKSON MARR	331
	Mechanism at two thousand – JOHN C. MARSHALL	333
	A cognitivist reply to behaviorism – ROBERT C. MOORE	335

Introspection as the key to mental life – CHRIS MORTENSEN	338
Belief-level way stations – DONALD PERLIS	340
Ontology and ideology of behaviorism and mentalism – GEORGES REY	342
Behaviorism at seventy – DANIEL N. ROBINSON	345
The behaviorist concept of mind – DAVID M. ROSENTHAL	351
“Behaviorism at fifty” at twenty – ROGER SCHNAITTER	353
Cognitive science at seven: A wolf at the door for behaviorism? – MIRIAM W. SCHUSTACK AND JAIME G. CARBONELL	354
Explaining behavior Skinner’s way – MICHAEL A. SIMON	358
Skinner’s behaviorism implies a subcutaneous homunculus – J. E. R. STADDON	360
Is behaviorism vacuous? – STEPHEN P. STICH	361
“Mental way stations” in contemporary theories of animal learning – WILLIAM S. TERRY	365
Are radical and cognitive behaviorism incompatible? – ROGER K. THOMAS	367
Models, yes; homunculus, no – FREDERICK M. TOATES	369
The development of concepts of the mental world – HENRY M. WELLMAN	371
Operant conditioning and behavioral neuroscience – MICHAEL L. WOODRUFF	374
Is “Behaviorism at fifty” twenty years older? – EVERETT J. WYERS	376
In support of cognitive theories – THOMAS R. ZENTALL	379
6 The phylogeny and ontogeny of behavior	382
Postscript	400
Commentaries and responses	401
Skinner’s circus – STUART A. ALTMANN	401
Ontogenetic or phylogenetic – another afterpain of the fallacious Cartesian dichotomy – GERARD P. BAERENDS	404
Contingencies of selection, reinforcement, and survival – DAVID P. BARASH	406
Of false dichotomies and larger frames – JEROME H. BARKOW	407
A new experimental analysis of behavior – one for <i>all</i> behavior – D. CAROLINE BLANCHARD, ROBERT J. BLANCHARD, AND KEVIN J. FLANNELLY	409
Cost–benefit models and the evolution of behavior – JERRAM L. BROWN	413
Ethology and operant psychology – GORDON M. BURGHARDT	413
Operant conditioning and natural selection – ANDREW M. COLMAN	417
Consequence contingencies and provenance partitions – JUAN D. DELIUS	419
Difficulties with phylogenetic and ontogenetic concepts – IRENÄUS EIBL-EIBESFELDT	421
Skinner’s blind eye – H. J. EYSENCK	423
B. F. Skinner versus Dr. Pangloss – MICHAEL T. GHISELIN	426
Lingering Haeckelian influences and certain other inadequacies of the operant viewpoint for phylogeny and ontogeny – GILBERT GOTTLIEB	428
Ethology ignored Skinner to its detriment – JACK P. HAILMAN	431
The structure versus the provenance of behavior – JERRY A. HOGAN	433
Behavior in the light of identified neurons – GRAHAM HOYLE	434
The use of evolutionary analogies and the rejection of state variables by B. F. Skinner – ALEJANDRO KACELNIK AND ALASDAIR HOUSTON	436
Molar concepts and mentalistic theories: A moral perspective – STEPHEN KAPLAN	438
B. F. Skinner and the flaws of sociobiology – ANTHONY J. PERZIGIAN	441
Hereditary ≠ innate – ROBERT PLOMIN AND DENISE DANIELS	443
Nature and nurture revisited – H. C. PLOTKIN	445
Is evolution of behavior operant conditioning writ large? – ANATOL RAPOPORT	448
Skinner’s practical metaphysic may be impractical – S. N. SALTHER	450
Reinforcement is the problem, not the solution: Variation and selection of behavior – J. E. R. STADDON	452

<i>Contents</i>	xi
Each behavior is a product of heredity and experience – DOUGLAS WAHLSTEN	456
Neuropsychology vis-à-vis Skinner's behaviouristic philosophy – GERHARD D. WASSERMANN	458
Summing up	
7 What are the scope and limits of radical behaviorist theory?	465
STEVAN HARNAD	
Skinner's reply to Harnad	468
8 Problems of selection and phylogeny, terms and methods of behaviorism	474
A. CHARLES CATANIA	
Skinner's reply to Catania	483
<i>Appendix: Biographical sketch and bibliography of works by B. F. Skinner</i>	489
<i>Acknowledgments and notes</i>	496
<i>References</i>	498
<i>Name index</i>	527
<i>Subject index</i>	535