

Contents

SET X		
	PROLOGUE TO A PROFESSIONAL DIALOGUE	1
	OUR PROBLEM: THE DIDACTIC DILEMMA	1
	FASHIONING A TEACHER	2
	FINDING A PHILOSOPHY	3
	FITTING A THEORY	4
	OUR CONTRIBUTION TO YOUR DECISION	4
SET Y		
	PURPOSE, LIMITS, AND OVERVIEW	7
SET Z		
	THE AUTHORS' POSITION	11
SET ONE		
	FADS, FICTIONS, FASHIONS, AND FACTS	15
	COMPONENTS OF EDUCATIONAL PRACTICE	15
	ISSUES AND QUESTIONS	17
	Are Man and Society Fixed Institutions?	17
	What Should the Educative Process Do for Society?	18
	What Should Education Do for the Individual?	19

What Is the Source of Authority in Education?	20
How Are the Nature and Content of the Curriculum Derived?	20

SET TWO

FORMULATIONS 23

TRADITIONAL FORMULATIONS 23

Concept of Man	23
<i>Potential: Ability to Know "Truth"</i>	23
<i>Morality: Consistency with "Absolute Truth"</i>	25
<i>Response Mode: Contemplation of "Reality"</i>	26
Society	27
<i>Structure: Stabilized Institutions</i>	27
<i>Authority: Assigned Roles</i>	27
<i>Mobility: Controlled and Restricted</i>	28
<i>Communication: Prescribed</i>	29
<i>Responsibility: Predetermined Code</i>	29
<i>Societal Ethics: Ends Justify Means</i>	30
Education	31
<i>Basic Objectives: Knowledge of "Truth"</i>	31
<i>Goal Determination: Accord with "Absolute Truth"</i>	31
<i>Content Criteria: Reflection of Absolutes</i>	32
<i>Social Function: Perpetuation of Stable Society</i>	32
<i>Learner's Role: Active Acceptance</i>	33

TECHNOLOGICAL FORMULATIONS 34

Concept of Man	34
<i>Potential: Comprehension of Natural Law</i>	34
<i>Morality: Harmony with Scientific Truth</i>	35
<i>Response Mode: Complex Mechanical Reasoning</i>	35
Society	36
<i>Structure: Evolving Toward a Natural State</i>	36
<i>Authority: Competency in Science</i>	37
<i>Mobility: Reward for Approved Behavior</i>	38
<i>Communication: Structured Process</i>	39
<i>Responsibility: Function of Social Role</i>	39
<i>Societal Ethics: Relevant Means Justified by Social Ends</i>	40
Education	41
<i>Basic Objectives: Discovery and Application of Natural Law</i>	41
<i>Goal Determination: Obedience to Natural Law</i>	42
<i>Content Criteria: Congruence with Objective Reality</i>	43

<i>Social Function: Experimental Refinement of Society</i>	45
<i>Learner's role: Reception of Knowledge</i>	45
TRANSACTIONAL FORMULATIONS	47
Concept of Man	47
<i>Potential: Capacity for Social Interaction</i>	47
<i>Morality: Synonymous with Social Maturity</i>	49
<i>Response Mode: Social Interaction</i>	50
Society	51
<i>Structure: Dynamic Process</i>	51
<i>Authority: Social Endorsement</i>	52
<i>Mobility: Horizontal Movement Toward Complex Relationships</i>	53
<i>Communication: Shared Social Experience</i>	54
<i>Responsibility: Participatory Involvement and Growth</i>	55
<i>Ethics: Relevant Means for Tentative Ends</i>	56
Education	58
<i>Basic Objectives: Personal and Societal Growth</i>	58
<i>Goal Determination: Transactional Relevance</i>	60
<i>Content Criteria: Opportunity for Personal-Social Growth</i>	63
<i>Social Function: Enrichment of Self and Society</i>	65
<i>Learner's Role: Responsible Participant</i>	66

SET THREE

SCIENCES AND SYSTEMS	69
THE CRITICAL ISSUES IN LEARNING	71
Time	71
Conditions	72
Reasons	73
Actions	74
Outcomes	74
THE TENTATIVE INTERPRETATIONS	75
THE CONSTRUCTIONS: LEARNING MODELS	79
Thorndike	79
<i>Motivation via Reward</i>	80
<i>Learning as Connecting</i>	81
<i>Facilitation by Management of Reward</i>	82
<i>Biological Limits of Connection Systems</i>	84
<i>Transfer of Identical and Similar Elements</i>	85
<i>Permanence Through Effective Use</i>	85

Skinner	86
<i>Motivation via Reinforcement</i>	87
<i>Learning as Reassorting</i>	88
<i>Facilitation by Programming Reinforcement</i>	91
<i>Biological Limits of Reassorting</i>	94
<i>Transfer of Reinforced Operants</i>	94
<i>Permanence Through Intermittent Reinforcement</i>	95
Gestalt	96
<i>Motivation via Ambiguous Organization</i>	99
<i>Learning as Perceptual Organization</i>	100
<i>Facilitation Through Reduction of Ambiguity</i>	102
<i>Biological Limits of Cognitive Organization</i>	103
<i>Transfer as Transposition</i>	104
<i>Permanence as a Function of Perceptual Stability</i>	106
Combs and Snygg	107
<i>Motivation via Inadequate Differentiation</i>	108
<i>Learning as Perceptual Differentiation</i>	109
<i>Facilitation Through Self-Enhancement</i>	111
<i>Biological Limits of the Phenomenal Field</i>	112
<i>Transfer as Relevance</i>	115
<i>Permanence as Continuity</i>	117

SET FOUR

CONGRUENT PHILOSOPHIES AND THEORIES 121

PROLOGUE: THE VALUE OF COMPATIBLE THEORY AND PHILOSOPHY 121

MOTIVATION: EXTERNAL VERSUS INTERNAL 125

External 126

Thorndike 126

Skinner 127

Internal 128

The Gestaltists 128

Combs and Snygg 130

LEARNING: PRODUCT VERSUS PROCESS 131

Product 132

Thorndike 132

Skinner 133

Process 135

The Gestaltists 135

Combs and Snygg 136

THE TEACHER'S PURPOSE: FIXED VERSUS RELATIVE
ENDS 138

Fixed Ends 139

Thorndike 139

Skinner 141

Relative Ends 142

The Gestaltists 142

Combs and Snygg 144

LEARNING CAPACITY: QUANTITATIVE VERSUS
QUALITATIVE 146

Quantitative Approaches 147

Thorndike 147

Skinner 148

Qualitative Approaches 149

The Gestaltists 149

Combs and Snygg 150

TRANSFER: MECHANICAL VERSUS DYNAMIC 151

Mechanical 152

Thorndike 152

Skinner 154

Dynamic 155

The Gestaltists 155

Combs and Snygg 157

PERMANENCE OF LEARNING: CONDITIONING
VERSUS RELEVANCE 159

Conditioning Approaches 160

Thorndike 160

Skinner 161

Relevance 163

The Gestaltists 163

Combs and Snygg 164

SET FIVE

RATIONAL EDUCATIONAL PRACTICES 167

OBLIGATORY PREROGATIVES 167

GENERAL ASSOCIATIVE PRINCIPLES 169

Grading 170

Pacing 170

Testing 171

Student Participation 171

Teacher-Learner Planning 172

Discipline	173
GENERAL FIELD PRINCIPLES	174
Grading	174
Pacing	175
Testing	175
Student Participation	176
Teacher-Learner Planning	177
Discipline	177
PERSONALIZED PRACTICE	178

SET SIX

PROCRUSTEAN PREDILECTIONS OR POPULAR HANG-UPS IN EDUCATION	181
TREAT THEM NICELY	182
MAKE THEM DO IT	184
MAKE THEM DO THE RIGHT THING	186
MAKE THEM DO THE HARD THING	188
MAKE SCHOOL A PLEASANT EXPERIENCE	190
LET THEM EXPERIENCE LIFE AS AN EXPERIMENT	192
TELL THEM AND TEST THEM	194
TEST THEM ON RESEARCH	196
HAVE THEM LOOK, SEE, AND SAY	198
PRAISE THEM AND PUNISH THEM	200
SUBTLY PERSUADE THEM	202

SET SEVEN

EVOLVING ISSUES	205
THE EVOLUTIONARY PROCESS	205
OPEN ISSUES: EXTANT AND EMERGENT	206
Extants	206
Extant and Reemerging Problems	207
Emergents	208

SET EIGHT

SUMMARIES AND SYNTHESSES	213
PHILOSOPHICAL ISSUES MATRIX	214
LEARNING THEORY SUMMARIES	218
TABLE OF CONGRUENCE BETWEEN EDUCATIONAL PHILOSOPHIES AND LEARNING SYSTEMS	221
GENERAL PRINCIPLES OF EDUCATIONAL PRACTICE	222

INDEX