## TABLE OF CONTENTS

PR	EFACE	XV
	APTER I / CONCEPTS AND INDICATORS IN HUMANISTIC	
1.	The Problem of 'Verstehen'	1
	Observable and Hypothetical Properties in Sociological Concepts Concepts Defined with Humanistic Coefficient in the Language of	7
	Sociology	11
4.	Understanding Constructs in Defining the Dependent and In-	
	dependent Variables of Social Theories	18
5.	The Validity of Introspectionist 'Self-Evidence'	26
6.	Motives of Goal-Oriented Behaviors	29
7.	Human Rationality as Explanatory Principle	33
8.	Defining and Assessment – Two Operations Called Verstehen	42
9.	Types of Indicators of Meaningful Sociological Variables	48
10.	Behavioral Indicators and 'Surplus Meanings' in Behavioral	
	Theories	55
11.	The Validity of Indicators in Empirical Social Studies	58
Not	es	69
Bib	liography	71
	APTER II / VERBAL COMMUNICATIONS AS INDICATORS OF IOLOGICAL VARIABLES	
1.	The Structure of the 'Communication Chain'	73
2.	Two Categories of Factors Distorting the Communicative Relation	79
3.	Verbal Behaviors and their Behavioral Correlates as 'Legitimate' Objects of Social Studies	82
4.	Inferences Based on Assumption of Correspondence at the Expressive Level	87

5. 6. 7.	Expressive and Other Instrumental Functions of Verbal Behavior Problems of the Validity of Subjectively Sincere Communications Inferences from and of Distortions of the Cognitive Relation	89 93 97
Not		102 103
<b>B</b> 10	liography	103
	APTER III / MEANING AND MEASUREMENT IN MPARATIVE STUDIES	
1.	Conceptual and Operational Aspects of Phenomenal and Re-	
	lational Comparability	104
2.	Types of Relational Equivalences	112
3.	Declared vs. Reconstructed Meaning of Attitudes	118
4.	Ideological Connotation of Attitude Toward 'Socialism' Among	
	Warsaw Students - A Case Study of 'Measurement of Meaning' of	
	Political Attitudes	123
5.	'Marxism' and 'Socialism' - Two Variables with Similar Meaning	
	and Different Intensity	127
No	tes	130
Bib	oliography	131
ΜE	APTER IV / COMPARATIVE SOCIAL RESEARCH AND CTHODOLOGICAL PROBLEMS OF SOCIOLOGICAL DUCTION	
1.	Different Aspects of Generality of Theoretical Social Propositions	133
2.	Conditional Causal Relations and Their Observable Consequences	136
3.	Historical and Universal Concepts and Hypotheses in Comparative	
	Social Research	139
4.	The Strategy of Inductive Comparative Studies	142
5.	The Role of Reductive Systematization of Theories in Formula-	
	tion and Indirect Confirmation of Hypotheses	145
6.	Historical Dimension of Social Phenomena and the Problems of	
	Sociological Induction	147
7.	The Problem of Spuriousness and the Role of Genetic Explana-	
	tions in Social Theory	151
		_

т	٨	Вī	F	$\mathbf{a}$	17	C	A C	T	F	N	т	Ç

ΙX

8.	Comparative Induction and the Problem of One-Case Macro-Theories	157
No	tes	162
	liography	164
Dic	nogrupity	10
	APTER V / CAUSAL INTERPRETATION OF STATISTICAL LATIONSHIPS IN SOCIAL RESEARCH	
1	The Broklem of Coverlity	165
	The Problem of Causality	167
	Typology of Causal Relations	171
	Statistical Laws and Historical Generalizations	1/1
4.	Statistical Relationships in Unconditional and Conditional Causal	173
-	Patterns Section 1 Polytican in Multiple Course Chaire	173
	Statistical Relationships in Multistage Causal Chains	183
	Relative Frequencies and Random Probabilistic Relations	186
	Causality, Correlation and Spurious Independence	187
	Spurious Correlations The Test Veriable on a Symplementary Factor and as an Alter-	194
9.	The Test Variable as a Supplementary Factor and as an Alter-	201
10	native Cause	201
	Some other Functions of the Test Variable	205
	A Typology of Three-Variable Analyses	209
	Additivity and Interaction between the Quantitative Variables	212
No		223
RID	liography	227
СП	APTER VI / INDUCTIVE INCONSISTENCIES AND THE	
	OBLEMS OF PROBABILISTIC PREDICTIONS	
1.	'Inconsistencies' Generated by Statistical Syllogism	228
2.	'Contradictions' Generated by General Conditional Laws of	
	Science	229
3.	Probability and Randomness	231
4.	The Unconditional and Conditional Probabilistic Relations	233
5.	Two Kinds of Conditionality of Probabilistic Relations	235
6.	Patterns of Probabilistic Predictions and the Problem of Inductive	
	Inconsistencies	238

7.	Mr. Petersen Revisited	240			
8.	Deriving the Probabilities for Intersections of Additive and				
	Interacting Causal Collectives	244			
No	tes	253			
Bib	liography	255			
СН	APTER VII / LOGICAL AND EMPIRICAL ASSUMPTIONS OF				
VA	LIDITY OF INDUCTIONS				
1.	The Role and Nature of Empirical Presuppositions in Inductive				
	Reasoning	256			
2.	The Assumption of Complete Uniformity within a Class of Ob-				
	jects or Events	261			
3.	The Assumption of Randomness in Statistical Induction	264			
4.	The Assumption of Randomness in Enumerative Induction	268			
5.	The Possibility of Estimating the Degree of Unconditionality of				
	General Causal Hypotheses	272			
6.	Conclusions	282			
Not	res	284			
Bib	liography	284			
	APTER VIII / EMPIRICAL KNOWLEDGE AND SOCIAL				
	LUES IN THE CUMULATIVE DEVELOPMENT OF				
SO	CIOLOGY				
1.	Symmtoms of Crisis in Socialogy	20-			
2.	Symptoms of Crisis in Sociology Cumulative Character of Empirically Tested Propositions and	285			
۷.	Theories	200			
3.	Empirical and Normative Components in the Divergent Inter-	289			
٥.	pretations of Findings	202			
4.	Normative and Empirical Assumptions of Particular 'Approaches'	293			
<b>4</b> . 5.	Instrumental Functions of Sociology	299			
5. 6.	Ideological Functions of Sociology	305			
		311 316			
וטום	Bibliography 3				

395

	APTER IX / CULTURAL NORMS AS EXPLANATORY CON- RUCTS IN THEORIES OF SOCIAL BEHAVIOR	
1.	Two Types of Sociological Explanations and Predictions	319
2.	Cultural Norms as Matrices of Human Behaviors	322
3.	Methodological Features of the Laws of Isomorphism	324
4.	Different Meanings of the Term 'Cultural Norm'	329
5.	Norm in the Coercive Sense	332
6.	Norm in the Motivational Sense	334
7.	Norm in the Behavioral Sense	335
8.	Norm in the Complex Sense and Patterns of Normative Integra-	
	tion	337
9.	Matrix Laws and Macrosociological Theory	342
Not	res	345
Bib	liography	346
API	APTER X / ROLE AND LIMITS OF THE 'FUNCTIONAL PROACH' IN FORMULATION OF THEORIES OF ATTITUDES  Internal and External Functionality of Attitudes	347
2.	The Process of Table 1st ince	351
3. 4.	The Danger of Teleologism	353
4. 5.	Different Patterns of Conscious and Unconscious Instrumentality The Principle of Functionality and the Problems of Prediction	358
6.	Spontaneously Formed and Culturally Imposed Attitudes	361
Not	•	366
	liography	373 374
טוט.	nograpity	3/4
	APTER XI / THE LOGIC OF REDUCTIVE SYSTEMATIZATIONS SOCIAL AND BEHAVIORAL THEORIES	
1.	The 'Problem of Reduction' in Social Sciences	376
	Two Basic Patterns of Reduction	378
	The Reduction of Laws to More General Laws	380
	Reductions and Pseudo-Reductions	386
	Problems of Incomplete Reductions	389
	Explaining a Law by a Number of Additive Laws	392

7. Reduction of Statistical Laws

8. 'Objective Existence' of Collectivities and the Definitional	
Dependence of their Characteristics upon the Characteristics of	
their Members	399
9. General Pattern of Inter-Level Reductions and the Character of	
Correspondence Rules in Reductive Social Theories	409
10. The Problem of 'Emergence'	418
11. Laws of Behavior and Laws of Social Interaction in Reductive	
Social Theories	426
12. Statistical Relationships in Multi-Level Reductions	429
13. Some Special Problems of 'Emergence' in Sociology	434
14. Postulates of Reductionism and the Relations between Sociology	
and Psychology	442
Notes	447
Bibliography	449
CHAPTER XII / VALUES AND KNOWLEDGE IN THE THEORY	
OF EDUCATION: A PARADIGM FOR AN APPLIED SOCIAL SCIENCE	
1. Theory or Theories of Education	451
2. Problem of Systematization of Theoretical Knowledge in the	
Science of Education	454
3. Construction of Models of Educational Situations for Explana-	
tion and Prediction	456
4. Certain Characteristics of Practical Sciences	460
5. Problems Connected with the Choice of Goals of Educational	
Processes	462
6. Ordering of the Goals of Educational Programs Understood as	
Systems of Values	466
7. Evaluation of the Distance between Educational Goals and	
Starting Point	468
8. Theoretical Evaluation of Attainability of Intended Educational	
Goals	470
9. The Manipulable Variables of the Educational Situation	475
10. Educational Institutions and the Wider Educational Environment	478
Notes	479
Bibliography	480
INDEX OF NAMES	481
INDEA OF NAMES	401