

## TABLE OF CONTENTS

Preface	vii
Chapter 1:	1
PHILOSOPHY AND TRANSCENDENTAL THINKING	
Chapter 2:	
THE MANIFEST IMAGE AND THE SCIENTIFIC IMAGE	10
I Conceptualizing the World	10
II The Stereoscopic View of the World	14
Chapter 3:	
THE MYTH OF THE GIVEN WORLD, KNOWLEDGE, AND LANGUAGE	22
I The Myth and its Constituents	22
II What is Wrong with the Myth?	26
Chapter 4:	
SCIENTIFIC REALISM - SCIENCE'S OWN PHILOSOPHY	37
I Kant and Scientific Realism	37
II General Arguments for Scientific Realism	40
Appendix on Quantum Mechanics, Bell's Inequalities, and Scientific Realism	52
Chapter 5:	
METHODOLOGICAL ARGUMENTS FOR SCIENTIFIC REALISM	65
I The Theoretician's Dilemma and Scientific Realism	65
II Theoretical Concepts within Inductive Systematization	77
III Quantificational Depth and the Methodological Usefulness of Theoretical Concepts	80
IV A Scientific Realist's View of the Role of Theoretical Concepts	87
Chapter 6:	
INTERNAL REALISM	95
I Metaphysical and Internal Realism	95
II Causal Internal Realism	106
III Picturing	115

Chapter 7:	
SCIENCE AS THE MEASURE OF WHAT THERE IS	124
I On the Various Kinds of Scientific Realism	124
II Ontology and the Scope of the <i>scientia mensura</i> -thesis	129
Chapter 8:	
SOCIAL ACTION AND SYSTEMS THEORY	141
I The Conceptual Nature of Social Action	141
II We-intentions and Social Action	146
III Joint Action and Systems Theory	151
Chapter 9:	
THE GROWTH OF SCIENTIFIC KNOWLEDGE	168
I Truth and Explanation in the Context of Scientific Growth	168
II A Pragmatic Account of Scientific Explanation	172
III What is Best Explanation?	175
IV Inductive Logic, Epistemic Truth, and Best Explanation	189
V Scientific Realism and the Growth of Science	200
Chapter 10:	
SCIENCE, PRESCIENCE, AND PSEUDOSCIENCE	210
I The Method of Science	210
II Science and Prescience	215
III Magic and Religion	220
IV Pseudoscience	226
Notes	236
Bibliography	257
Name Index	267
Subject Index	271