## Contents

Preface	xi	
Acknowledgements		
Note on References	xiv	
Introduction: Feyerabend's Life and Work		
1 Philosophy and the Aim of Science	9	
1.1 Scientific and Analytical Philosophy	9	
1.2 The Third-Person Approach to Epistemology	11	
1.3 Feyerabend's Project: A 'Model for the Acquisition of		
Knowledge'	13	
1.4 Normative Epistemology, and Falsificationism	14	
1.5 Inductive Scepticism	18	
1.6 The Ethical Basis of Philosophy	20	
2 Meaning: The Attack on Positivism	23	
2.1 Wittgenstein's Conception of Meaning	23	
2.2 The Contextual Theory of Meaning	25	
2.3 The Contextual Theory of Meaning and Scientific Realism	30	
2.4 The Positivist/Realist Dispute	30	
2.5 Positivistic Theories of Meaning	34	
2.6 Feyerabend's Attack on the Stability-Thesis	36	
3 Theories of Observation	40	
3.1 The Theory-Ladenness of Observation-Statements	40	
3.2 Feyerabend's Pragmatic Theory of Observation	45	
3.3 Radical Conceptual Change	50	
3.4 Humans as Measuring Instruments	52	
3.5 The 'Problem of Theoretical Entities'	54	
3.6 The Critique of Sense-Datum Epistemologies	58	

viii Contents

4	Scientific Realism and Instrumentalism	61
	4.1 Feyerabend's Scientific Realism	61
	4.2 Instrumentalism	63
	4.3 Astronomical Instrumentalism	66
	4.4 Quantum Instrumentalism	67
	4.5 Musgrave on Feyerabend's Defence of Instrumentalism	69
	4.6 Feyerabend's Attack on Instrumentalism	70
5	Theoretical Monism	74
	5.1 The Myth Predicament	74
	5.2 Nagel on Science and Reduction	80
	5.3 Feyerabend's Anti-Reductionism	87
	5.4 Kuhn's Historical Case for Paradigm-Monism	88
	5.5 Kuhn's Functional Arguments	93
6	Incommensurability	99
	6.1 The Condition of Meaning Invariance	99
	6.2 The Thesis of Incommensurability	102
	6.3 'On the "Meaning" of Scientific Terms'	104
	6.4 The Desirability of Incommensurability	112
	6.5 Comparing Incommensurable Theories	115
7	Theoretical Pluralism	124
	7.1 The Orthodox Test Model and the Autonomy Principle	124
	7.2 The Case of the Brownian Motion	126
	7.3 The Generalized Refutation Schema	130
	7.4 A New Conception of Empirical Content?	132
	7.5 Pluralistic Methodology	136
	7.6 Which Principle of Proliferation?	139
8	Materialism	142
	8.1 Super-Realism	142
	8.2 Science and Material-Object Concepts	145
	8.3 Reductive Materialism	150
	8.4 Eliminative Materialism	153
	8.5 'Folk Psychology'	163

Contents	ix	
9 Science without Method	169	
9.1 'The Stinkbomb'	169	
9.2 Epistemological Anarchism	170	
9.3 Deductivism and Inductive Methodological Rules	174	
9.4 Popper's Methodological Anarchism	1 <i>7</i> 7	
9.5 The Linguistic Relativity Principle	181	
9.6 The Anthropological Method	186	
V ,		
10 Relativism, Rationalism and a Free Society	191	
10.1 Truth, and other Epistemic Ideals	191	
10.2 Rationalism vs. Relativism	193	
10.3 Idealism, Naturalism, Interactionism	196	
10.4 'Democratic Relativism'	200	
10.5 The Problem of the Excellence of Science	204	
10.6 Science and Society	207	
10.7 Conclusion	209	
Notes		
Bibliography		
Index		