CONTENTS

PARTI

NATURALIZED METAPHYSICS

1. Onto	logy: scientific and meta-scientific	3
1.1	Scientific and philosophical conceptions	
	of ontology	3
1.2	Deflationary ontology: historicism; sociology;	
	pragmatics	8
1.3	Ontological limits: empiricism; scientific	
	realism; metaphysics	14
1.4	Do case studies of science settle ontological	-
	disputes?	20
1.5	Examples of the robustness of ontology	
	under cases	24

2. Science and metaphysics, then and now	33
2.1 Ontology and the nature of metaphysical	55
inference	33
2.2 Is modern science inherently metaphysical?	38
2.3 Epistemic stances regarding scientific ontology	
0.	45
2.4 Metaphysical inferences: lowercase 'm' versus capital 'M'	51
2.5 The (possible) autonomy of (some)	
metaphysics from science	59
3. Naturalism and the grounding metaphor	65
3.1 In hopes of a demarcation of scientific ontolog	gy 65
3.2 On conflating the <i>a priori</i> with that which	57 00
is prior	71
3.3 How not to naturalize metaphysical inferences	5 76
3.4 Unpacking the metaphors: "grounding" and "distance"	01
3.5 On the distinction between theorizing	83
and speculating	
and speculating	88

PART II

ILLUSTRATIONS AND MORALS

4. Disp	ositions: science as a basis for scientific ontology	99
4.1	How dispositions manifest in the philosophy	
	of science	99
4.2	Explanatory power I: unifying aspects	
	of scientific realism	104
4.3	Explanatory power II: giving scientific	101
	explanations	112

CONTENTS

4.4	Explanatory power III: consolidating scientific	
	knowledge	121
4.5	Property identity and the actual power	
	of explanatory power	127
5. Struc	tures: science as a constraint on scientific	
ontol	ogy	132
5.1	Thinking about ontology in the domain of	
	fundamental physics	132
5.2	Situating an ontological inquiry into subatomic	
	"particles"	137
5.3	Structuralist interpretations of the metaphysics	
	of particles	141
5.4	Reasoning about ontological bedrock:	
	an unavoidable dilemma	148
5.5	Dissolving the dilemma: the variability	
	of belief and suspension	158
	· · · · · I · · · · · · · · · · · · · · · · · · ·	100

PART III

VOLUNTARIST EPISTEMOLOGY

6. Know	vledge under ontological uncertainty	167
6.1	Inconsistent ontologies and incompatible beliefs	167
6.2	Belief and ontological pluralism: perspectival	
	knowledge?	171
6.3	A trilemma for perspectivism: irrelevant;	
	unstable; incoherent	178
6.4	Two kinds of context-transcendent pluralism	
	about ontology	188
6.5	Ontological explanation and contrastive	
	what-questions	194

CONTENTS

7. The nature and provenance of epistemic stances		201
7.1	An indefeasible persistence of ontological	
	disagreement	201
7.2	Stances revisited: deflationary; empiricist;	
	metaphysical	205
7.3	A voluntarist primer on choosing stances	
	and beliefs	214
7.4	Epistemic stances in conflict: rationality	
	and robustness	223
7.5	In defense of permissive norms of rationality	
	for stances	229
8. Coda	: ontoloy with lessons from Pyrrho	
and S	extus	235
8.1	Getting to the bottom of it all, while awake	235
	Skeptical arguments: some Modes of Agrippa	237
8.3	A Pyrrhonian analogy: isostheneia and aphasia	241
8.4	Extending the analogy a bit further: ataraxia	244
	A transformative epistemology of scientific	
	ontology	247

Bibliography	253
Index	265