Contents

Acknowledgements — IX

1	Science: C	Science: Camera or engine? —— 1				
	1.1 Introducing self-fulfilling science — 1					
	1.1.1	The new oracle —— 1				
	1.1.2	Science as self-correcting — 3				
	1.1.3	Science as self-fulfilling — 5				
	1.2 Questi	1.2 Questions of conceptualization, prevalence, and significance — 8				
	1.3 Alternative approaches —— 11					
	1.3.1	Social constructionism —— 11				
	1.3.2	Looping effects —— 13				
	1.3.3	Performativity —— 18				
	1.4 Outloo	k —— 22				
2	The self-fulfillment of homo economicus —— 25					
	2.1 Econor	nic man: born or made? —— 25				
	2.1.1	Outlining a paradigmatic case —— 25				
	2.1.2	Polanyi and the 'economic fallacy' —— 26				
	2.2 The empirical evidence — 28					
	2.2.1	Induced self-interest via direct economic training — 28				
		Three pathways to self-fulfillment — 34				
		2.2.2.1 Social norms — 34				
		2.2.2.2 Institutional design —— 35				
		2.2.2.3 Language —— 39				
	2.2.3	Summary —— 41				
	2.3 The claim(s) — 42					
	2.3.1	Sample claims —— 42				
	2.3.2	Who is homo economicus? —— 44				
	2.3.3	What is self-fulfillment? —— 47				
	2.3.4	Questions of conceptualization —— 49				
3	Conceptualizing self-fulfilling science —— 52					
	3.1 From p	rophecy to reality – or illusion? —— 52				
	3.1.1	Merton's self-fulfilling prophecy — 52				
	3.1.2	Illusory self-confirmation — 54				
	3.1.3	Content contingency — 55				

	3.2 Reflexi	3.2 Reflexive prediction —— 56				
	3.2.1	Buck's acting-on-beliefs account — 57				
	3.2.2	Romanos' standard account — 59				
	3.2.3	Kopec's probabilistic account —— 61				
	3.2.4	Scientific self-fulfillment as reflexive prediction? — 64				
		3.2.4.1 Truth as a criterion? —— 64				
		3.2.4.2 Which (types of) entity? — 66				
	3.3 Perform	nativity —— 70				
	3.3.1	'Barnesian' performativity —— 71				
	3.3.2	Scientific self-fulfillment as performativity? —— 72				
	3.4 A new	4 A new conceptualization —— 75				
	3.4.1	'Aspects of science' as scientific representations — 76				
	3.4.2	'Practical use' as content-responsive action —— 81				
	3.4.3	'More like' as increased conformation —— 88				
	3.4.4	Applying the concept —— 91				
	Ai					
Assessing prevalence — 96 4.1 An <i>a priori</i> boundary — 96						
		Uniqueness to human affairs — 97				
		A faulty inference — 100				
		Criterion of malleability —— 103				
4.2 Two strategies of assessment —— 104 4.2.1 Meta-theories —— 105		_				
		Mechanisms and mid-range theories —— 109				
4.3 Applying the strategies — 113						
		Examples —— 113				
	4.3.2	Challenges —— 118				
	Challenges	of performativity —— 121				
	5.1 Assess	ing significance —— 122				
	5.1.1	The purview of philosophy of science —— 122				
	5.1.2	Self-fulfillment vs. 'realism'? —— 125				
	5.2 Epister	nic success and evaluation in science —— 130				
	5.2.1	Epistemic success —— 130				
	5.2.2	Epistemic evaluation —— 133				
	5.3 Self-ful	Ifillment vs. epistemic evaluation? — 138				
	5.3.1	Performatives and epistemically evaluable content — 140				
	5.3.2	Meta-theories and hypothetical content — 147				

6		e epistemic significance of self-fulfillment —— 154 Illusory self-confirmation and underdetermination —— 155			
		6.1.1	Specious validity —— 155		
		6.1.2	Homo economicus and human nature — 158		
		6.1.3	Underdetermination —— 161		
		6.1.4	Fortifying transient underdetermination — 164		
	6.2 Genuine self-fulfillment and epistemic evaluation — 170				
		6.2.1	Self-fulfillment as self-improvement? —— 170		
		6.2.2	The return of self-correction —— 172		
7	An	engine,	and a camera —— 175		
	7.1 Summary —— 175				
	7.2 Multiple possible futures — 176				
References —— 179					
Index of Names —— 188					

Index of Subjects --- 191