Contents

Acknowledgments	ix
List of Figures and Table	X
1. Introduction	25
1.1 Cognition-in-the-Head: Some Recent Approaches 1.2 Cognition-in-the-World: Phenomenologically Inspired	i
Enactivist Approaches 1.3 Causality, Constitution, and Diachronicity	daly 87
1.4 How to be an Embodied Theorist without Losing your Head 1.5 Beyond Predictive Coding	13 15
1.6 Enactivism as a Philosophy of Nature	21
2. Variations on Embodied Cognition 2.1 Weak EC and B-formats	26 28
2.2 Functionalist EC and the Extended Mind	35
2.4 Enactivist EC and Radical Embodiment	37 40
2.5 Getting Down on All 4Es	43
3. Pragmatic Resources for Enactive and Extended Minds 3.1 Pragmatism and Enactive Perception	48
3.2 Pragmatism and the Extended Mind 3.3 Dewey's Notion of Situation	52 54
3.4 Rapprochement	57
5.5 Responding to Objections	60
4. Enactive Intentionality	65
4.1 Intentionality in Mind and Action4.2 Neo-behaviorism and Theory of Mind	66
4.3 Neo-pragmatism	67 71
4.4 Enactive Intentionality	77
4.5 Enactive and Extended Minds	80
5. Action without Representations	83
5.1 Representation in Action	83
5.2 Minimal Representations 5.3 Descriptions of Course Spread	87
5.3 Decouplability and Causal Spread 5.4 Where's the Representation?	91
5.4 Where's the Representation?5.5 What's Left of the Idea of Representation in Action?	96
5.6 Scientific Pragmatism about Representations	103 106

6.	6.1	eption without Inferent Inference Models of Per	ception	107 107
		An Example from Socia		111
		The Enactivist Alternati	ve	121
		Cultural Penetration	m Free-Energy to Autopoiesis	125
7.		on and the Problem o		132
			Vill as Commonly Understood	132
		Reflective and Perceptua		136
	7.3	Libetarian Experiments	duction	13)
			e Will I some Rolliew	143
	7.5	Restructuring Behavior		
8.	Mak	ing Enactivism Even		150
		Affectivity		151
		Intersubjectivity		155
		The Embodied and Ena		150
9.	The 9.1	Upright Posture: Its C The Genesis of Upright	Current Standing Posture: Recent Biological and	164
		Evolutionary Theory	and homested and the Detected Mil.	164
	9.2		Does for Human Cognition	167
		Extending Straus's Emb		169
		Affordance Spaces and		174
	9.5	Manipulatory Areas		179
	9.6	Handling Others		
10	The	Practice of Thinking		197
10.		Practice of Thinking Simulating Solutions		197
		Affordance-Based Imag	notisuite le notion e viene	102
		Debating Minds		107
		Doing the Math		204
	10.1			
D.	C			213
References		es		245
Inc	lex			245