

Contents

<i>List of Figures and Tables</i>	<i>page</i> ix
<i>Acknowledgments</i>	xi
<i>List of Abbreviations</i>	xiii
1 Cyborg Agonistes	1
Rooms with a View	2
Where the Cyborgs Are	4
The Natural Sciences and the History of Economics	7
Anatomy of a Cyborg	11
Attack of the Cyborgs	18
The New Automaton Theatre	23
2 Some Cyborg Genealogies; or, How the Demon Got Its Bots	26
The Little Engines That Could've	31
Adventures of a Red-Hot Demon	43
Demons Who Came in from the Code: Cybernetics	54
The Devil That Made Us Do It	77
The Advent of Complexity	88
3 John von Neumann and the Cyborg IncurSION into Economics	94
Economics at One Remove	99
Phase One: Purity	105
Phase Two: Impurity	116
Phase Three: Worldliness	136
4 The Military, the Scientists, and the Revised Rules of the Game	153
What Did You Do in the War, Daddy?	153
	vii

	Ruddled and Bushwhacked: The Cyborg Character of Science Mobilization in World War II	161
	Operations Research: Bliplkrieg	177
	The Ballad of Hotelling and Schultz	190
	SRG, RAND, Rad Lab	199
5	Do Cyborgs Dream of Efficient Markets?	232
	From Red Vienna to Computopia	232
	The Goals of Cowles, and Red Afterglows: Getting in Line with the Program	241
	Every Man His Own Stat Package: Cowles Unrepentant, Unrecursive, and Unrecusant	271
	On the Impossibility of a Democratic Computer	302
6	The Empire Strikes Back	309
	Previews of Cunning Abstractions	309
	It's a World Eat World Dog: Game Theory at RAND	319
	The High Cost of Information in Postwar Neoclassical Theory	370
	Rigor Mortis in the First Casualty of War	390
	Does the Rational Actor Compute? <i>Soliloquy</i> 424–26	415
7	Core Wars	437
	Inhuman, All Too Inhuman	437
	Herbert Simon: Simulacra versus Automata	452
	Showdown at the OR Corral	479
	Send in the Clones	503
8	Machines Who Think versus Machines That Sell	517
	Where Is the Computer Taking Us?	520
	Five Alternative Scenarios for the Future of Computational Economics	523
	The Hayek Hypothesis and Experimental Economics	545
	Gode and Sunder Go Roboshopping	551
	Contingency, Irony, and Computation	560
	Appendix 8.1: Double Auction and Sealed Bid Encoded onto Automata	567
	Appendix 8.2: Sealed-Bid Auction with Accumulation Rule	572
	Envoi	575
	<i>References</i>	577
	<i>Index</i>	645