Contents

Preface	vii
Acknowledgements	ix
Introduction	1
I. Science	
1. The Miracle of Monism	21
2. What's the Fuss about Social Constructivism?	40
3. The Inseparability of Science and Values	55
II. Biology	
4. The Constituents of Life 1: Species, Microbes, and Genes	69
5. The Constituents of Life 2: Organisms and Systems	85
6. Understanding Contemporary Genomics	101
7. The Polygenomic Organism	116
8. It is not Possible to Reduce Biological Explanations to Explanations in Chemistry and/or Physics	128
9. Postgenomic Darwinism	143
III. Microbes	
10. Size Doesn't Matter: Towards a More Inclusive Philosophy of Biolog With Maureen A. O'Malley	y 163
11. Metagenomics and Biological Ontology With Maureen A. O'Malley	188
12. Varieties of Living Things: Life at the Intersection of Lineage and Metabolism With Maureen O'Malley	206
13. Emerging Sciences and New Conceptions of Disease: Or, Beyond	200
the Monogenomic Differentiated Cell Lineage	230

terminate in the experience of the experience of the second contract of the second contract of the second contr

acidulovili shiw guoriW shadW, aO taginomaqshalaM manga Al-Al-

Louis Village Change Ages, and Willey There Age (No 'Genes for Russe')

vi CONTENTS

IV. Humans

14.	Against Maladaptationism: Or, What's Wrong with Evolution	ary
	Psychology	245
15.	What Genes Are, and Why There Are No 'Genes for Race'	261
16.	Causality and Human Nature in the Social Sciences	275
Bibl	iography	295
Inde	ex	331

Matter the first of the contract of

Vacination responsibility and and and the state of the second of the second of the second of the second of the

Applie V. Bigg. constant of the washest constant out to the

servered his interconcernational biological and and

with the contract of the Linese Street