

Contents

Preface / xi

1. Humans Valuing the Natural Environment / 1
 - Values Carried by Nature / 3*
 - Value Ownership / 27*
 - Following Nature / 32*
2. Higher Animals: Duties to Sentient Life / 45
 - Natural Rights, Goods, Interests / 47*
 - Human Dominion over Animals / 62*
 - Domestic and Hunted Animals / 78*
3. Organisms: Duties to Organic Life / 94
 - Objective Value in Organisms / 97*
 - Objective Life versus Subjective Life / 106*
 - Human Interests and Organismic Values / 119*
4. Life in Jeopardy: Duties to Endangered Species / 126
 - Duties to Persons Concerning Species / 126*
 - Specific Forms of Life / 133*
 - Duties to Species / 137*
 - Individuals and Species / 146*
 - Species and Ecosystem / 153*
 - An Endangered Ethic? / 158*
5. Life in Community: Duties to Ecosystems / 160
 - Cooperation and Struggle / 162*
 - Centered and Loose Organization / 168*
 - Succession and Natural History / 176*
 - Individuals in Communities / 179*
 - Intrinsic, Instrumental, and Systemic Values / 186*
 - Subjective Experience and Evolutionary Ecosystems / 189*

6. The Concept of Natural Value: A Theory for Environmental Ethics / 192
Valuing Projective Nature / 192
Valuing in Ecosystems / 201
Valuing Aesthetic Nature / 232
7. Environmental Policy: An Ethic of the Commons / 246
Collective Choice in an Environmental Ethic / 247
A Value Analysis for Environmental Policy / 253
Environmental Principles and Strategies / 262
8. Environmental Business: An Ethic for Commerce / 290
Business and a Humanistic Environmental Ethic / 293
Business and a Naturalistic Environmental Ethic / 301
Ethical Complexities in Business and Environmental Concerns / 313
Business and Nature / 326
9. Down to Earth: Persons in Natural History / 328
Humans Resident in Nature and Culture / 329
Humans as Moral Overseers on Earth / 335
Storied Residence on Earth / 341

Notes / 355
Selected Bibliography / 373
Index / 375

Figures

- 2.1. Attitudes toward Hunting / 89
- 4.1 Diversity through Time for Marine Vertebrates and Invertebrates / 156
- 5.1 Interactions between Predator/Grazer and Prey/Grazed / 167
- 6.1 A Causal Sequence Producing a Valued Event / 202
- 6.2 A Self Evaluating the World / 203
- 6.3 Dialectical and Ecological Valuation / 203
- 6.4 Evaluating in an Evolutionary Ecosystem / 204
- 6.5 A Revised Model of Evaluating / 205
- 6.6 Levels of Value in Projective Nature / 216
- 7.1 An Axiological Model for Environmental Policy / 259
- 9.1 The Arena of Values / 330