

# contents

*Acknowledgments xi*

*A Note on Texts xiii*

## **SLOUCHING TOWARD THE POSTHUMAN—DOES PARTICIPATORY EVOLUTION REQUIRE PARTICIPATORY GOVERNMENT? 1**

The Crippling of Superman 1

The Proliferation of Cyborgs 3

## postmodern politics

1

### **THE CYBORG BODY POLITIC 9**

The Possibilities of Posthumanism 9

Postmodern: The Times We Live In 12

The Importance of the Cyborg Idea 18

2

### **CITIZENSHIP IN THE AGE OF ELECTRONIC REPRODUCTION 21**

Who or What Is a Citizen? 21

The Cyborg Bill of Rights 26

Cyborgian Justice: Panopticons versus Cyborg Death Cults 32

3

### **CYBOCRACY, MOBOCRACY, AND DEMOCRACY 39**

The Manufacturing of Consent 39

Technofixes: From Televised Community to Electronic Voting 41

Bioregions, Infospheres, Nets, Webs, TAZ, and Community 47

4

**CYBORG WARRIORS 55**

- Postmodern War and Peace 55
- Human-Machine Weapon Systems 57
- Future Conflicts: Nuclear, Chemical, Biological,  
Informational, Nano 59

promulgating cyborgs

5

**INFOMEDICINE AND THE NEW BODY 69**

- The Digital Body 69
- The Medically Modified 72
- The Artificial Heart 76
- Natural Transplants 80

6

**CYBERNETIC HUMAN REPRODUCTION 87**

- Cyborg Conceptions 87
- Postmodern Pregnancy 91
- Programming Cyberchildren 95

7

**ENABLED CYBORGS, LIVING AND DEAD 99**

- (Dis)Abled Cyborgs 99
- Penile Prosthetics 104
- Neomorts, Living Cadavers, and Immortals 107

8

**THE HOPEFUL MONSTERS OF GENETIC ENGINEERING 113**

- The Rhetoric of Life: DNA and Dr. Frankenstein's Dreams 113
- Cloning: A Multiplication of Mes 120
- Brave New World... Order? 124

# cyborg society

## **9 PROSTHETIC TERRITORIES: CYBERCOLONIALIZATIONS 131**

- Cyberspace: Disembodied or Deconstructed? 131
- Tiny Sex 135
- Outer Space and Aquaspace 138

## **10 CYBORG FAMILIES 143**

- The Technologically Mediated Family 143
- Surrogate Families 145
- Cyborg Family Values 148

## **11 SEX MACHINES, HUMAN BEINGS, IN-BETWEENS 151**

- Dildonics 151
- Transsexuality 154
- Future Sex 157

## **12 TAYLORED LIVES: MICROSERFS AND SUPERHEROES IN THE AGE OF SEMIINTELLIGENT MACHINES 161**

- Lone Eagles or Sitting Ducks? 161
- Revolt of the Microserfs against the Sociotechs 164
- Human-Machine Learning Systems 166
- 'Borging the Professional Athlete 169

# cyborgology

## **13 SCIENCES OF THE THIRD MILLENNIUM 177**

- The Gaze of Science 177
- The Human Use of Human Beings: Cybernetics 178

Small Is Powerful: The Nano Revolution 181  
The Sciences of the Artificial and the Reflexive Turn 183



**POSTHUMAN POSSIBILITIES 187**

Cyborg Epistemologies, Ethics, and Epiphanies 187  
Subjectivities of Posthumanity 190  
Carnival Cyborg 193  
The Future Is Not Yet Written 196

*Notes* 203  
*Bibliography* 215  
*Index* 225