

Contents

<i>Acknowledgements</i>	x
<i>Permissions</i>	xi
Introduction	
Seth Giddings	
HOW TO USE THIS BOOK	1
PART ONE	
Genealogies of technoculture	5
1 Norbert Wiener	
THE FIRST AND THE SECOND INDUSTRIAL REVOLUTION	7
2 Peter Galison	
THE ONTOLOGY OF THE ENEMY: NORBERT WIENER AND THE CYBERNETIC VISION	19
3 Carolyn Marvin	
DAZZLING THE MULTITUDE: ORIGINAL MEDIA SPECTACLES	38
4 Ted Nelson	
SELECTED MATERIAL FROM <i>COMPUTER LIBIDREAM MACHINES</i>	48
5 Erkki Huhtamo	
FROM KALEIDOSCOMANIAC TO CYBERNERD: TOWARDS AN ARCHAEOLOGY OF THE MEDIA	62
6 Manuel De Landa	
INTRODUCTION TO <i>WAR IN THE AGE OF INTELLIGENT MACHINES</i>	70

PART TWO
Models of technology, media and culture **77**

- 7 **Karl Marx**
THE LABOUR PROCESS AND ALIENATION IN MACHINERY AND SCIENCE 79
- 8 **Marshall McLuhan**
SELECTED MATERIAL FROM *UNDERSTANDING MEDIA: THE EXTENSIONS OF MAN* ('THE MEDIUM IS THE MESSAGE', 'MEDIA AS TRANSLATORS', 'THE TYPEWRITER') 82
- 9 **Raymond Williams**
THE TECHNOLOGY AND THE SOCIETY 92
- 10 **Bruno Latour**
THE PROLIFERATION OF HYBRIDS 105
- 11 **Jean Baudrillard**
THE VANISHING POINT OF COMMUNICATION 110
- 12 **Donna Haraway**
SELECTED MATERIAL FROM 'A CYBORG MANIFESTO': 'THE INFORMATICS OF DOMINATION', 'THE "HOMEWORK ECONOMY" OUTSIDE "THE HOME"' AND 'WOMEN IN THE INTEGRATED CIRCUIT' 118
- 13 **Félix Guattari**
BALANCE PROGRAM FOR DESIRING-MACHINES 129

PART THREE
Bodies and agents **139**

- 14 **Bruno Latour**
WHERE ARE THE MISSING MASSES? THE SOCIOLOGY OF A FEW MUNDANE ARTIFACTS 141
- 15 **Donna Haraway**
CYBORGS, COYOTES AND DOGS: A KINSHIP OF FEMINIST FIGURATIONS/ THERE ARE ALWAYS MORE THINGS GOING ON THAN YOU THOUGHT! METHODOLOGIES AS THINKING TECHNOLOGIES 154
- 16 **David Tomas**
FEEDBACK AND CYBERNETICS: REIMAGING THE BODY IN THE AGE OF THE CYBORG 164
- 17 **Sarah Kember**
CREATURES ON THE INTERNET 177

18	J. Macgregor Wise INTELLIGENT AGENCY	188
19	Helen W. Kennedy FEMALE QUAKE PLAYERS AND THE POLITICS OF IDENTITY	201
PART FOUR Texts, forms, codes		215
20	Benjamin Woolley VIRTUALITY	217
21	Pierre Lévy INTERACTIVITY	226
22	Espen Aarseth THE ADVENTURE GAME	230
23	Lev Manovich SELECTED MATERIAL FROM <i>THE LANGUAGE OF NEW MEDIA</i> : 'THE DATABASE', 'DATA AND ALGORITHM' AND 'NAVIGABLE SPACE'	239
24	Laura U. Marks INVISIBLE MEDIA	248
25	Geert Lovink THESES ON DISTRIBUTED AESTHETICS	258
26	Gabrielle Consentino 'HACKING' THE IPOD: A LOOK INSIDE APPLE'S PORTABLE MUSIC PLAYER	269
27	Mark Katz LISTENING IN CYBERSPACE	283
28	Norman Klein HYBRID CINEMA: <i>THE MASK</i> , <i>MASQUES</i> AND <i>TEX AVERY</i>	304
29	Martin Lister PHOTOGRAPHY IN THE AGE OF ELECTRONIC IMAGING	313
30	David Sudnow 'EYEBALL' FROM <i>PILGRIM IN THE MICROWORLD: EYE, MIND AND THE ESSENCE OF VIDEO SKILL</i>	321

PART FIVE
Network culture

327

- 31 Don Slater**
TRADING SEXPICS ON IRC: EMBODIMENT AND AUTHENTICITY ON
THE INTERNET 329
- 32 Tiziana Terranova**
FREE LABOUR 350
- 33 T.L. Taylor**
GAMING LIFEWORLDS: SOCIAL PLAY IN PERSISTENT ENVIRONMENTS 369
- 34 Donna Haraway**
TECHNOSCIENCE IN HYPERTEXT 394
- 35 Geert Lovink**
UPDATING TACTICAL MEDIA 399
- 36 Dorothy Kidd**
INDYMEDIA.ORG: A NEW COMMUNICATIONS COMMONS 407

PART SIX
Everyday media technocultures

421

- 37 Elaine Lally**
THE DOMESTIC ECOLOGY OF OBJECTS 423
- 38 Larissa Hjorth**
DOMESTICATING NEW MEDIA: A DISCUSSION ON LOCATING MOBILE
MEDIA 437
- 39 Michael Bull**
BERGSON'S IPOD? THE COGNITIVE MANAGEMENT OF EVERYDAY
LIFE 449
- 40 Mark Poster**
EVERYDAY (VIRTUAL) LIFE 460
- 41 Michal Daliot-Bul**
JAPAN'S MOBILE TECHNOCULTURE: THE PRODUCTIONS OF A
CELLULAR PLAYSCAPE AND ITS CULTURAL IMPLICATIONS 465
- 42 Shanly Dixon and Sandra Weber**
PLAYSPACES, CHILDHOOD AND VIDEOGAMES 479

43 Mizuko Ito

MOBILIZING IMAGINATION IN EVERYDAY PLAY: THE CASE OF
JAPANESE MEDIA MIXES

491

Index

506