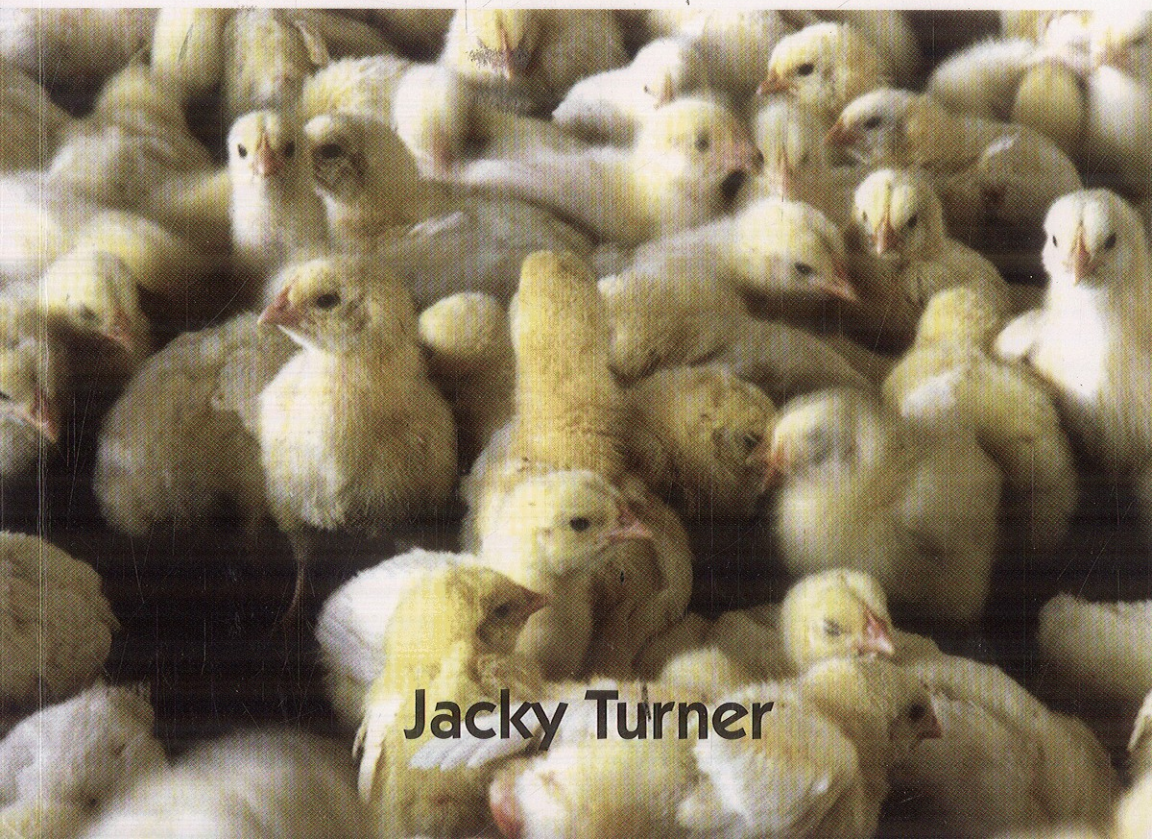




Animal Breeding, Welfare and Society



Jacky Turner

Contents

<i>Acknowledgements</i>	<i>vii</i>
<i>Introduction</i>	<i>ix</i>
1 The Industrialization of Animal Genetics	1
1.1 Background and context: From local to global	1
1.2 Technologies and practices: Genes as commodities	9
1.3 The impact on animals	17
2 Breeding for Productivity	25
2.1 Background and context: More and faster	25
2.2 Technologies and practices	28
2.3 The impact on animals	39
2.4 The professionals, the public and the future	42
3 Productivity and Animal Health	51
3.1 Background and context: Unintended consequences	51
3.2 The impact on animals	52
3.3 The professionals, the public and the future	65
4 Productivity and Welfare: Animal Behaviour	77
4.1 Background and context: The abolition of the family	77
4.2 Natural behaviour versus farming practice	79
4.3 The impact on animals	91
4.4 The professionals, the industry and the public	94
5 Companion Animal Breeding: Ideal Standards	103
5.1 Background and context: Breeding for work and whim	103
5.2 Modern breeding to design	107
5.3 Breed standards	111
5.4 Breeding practices	117
5.5 Benefits and costs, sustainability and the future	121
6 Companion Animal Breeding: Welfare, Professionals and Owners	127
6.1 Background and context: Clouds over pedigree dog breeding	127
6.2 Pedigree dog breeds and their health	128
6.3 The breed-related behaviour of dogs	137
6.4 Pedigree cat breeds and their health	140
6.5 Professionals and owners	143
6.6 The future of pedigree breeds	146

7	Sports Animals: Breeding Gladiators	155
7.1	Background and context: Breeding, racing and betting	155
7.2	Industry practices: The use of racehorses and greyhounds	160
7.3	The impact on animals: Survival of the fittest	164
7.4	The professionals, the public and the future: Unnecessary breeding?	174
8	Surpluses and Rejects	183
8.1	Background: The scope of the problem	183
8.2	Surpluses and rejects in the racing industries	184
8.3	Decommissioned breeding animals in the food industry	187
8.4	By-product offspring in the food animal industry	191
8.5	Surplus companion animals: Dogs and cats	194
8.6	The professionals, the public and the future	198
9	Traditional, Rare and Fancy Breeds	205
9.1	Background and context: Breeding, survival and culture	205
9.2	Conservation practices: Recording and preserving animal genetic resources	211
9.3	The impact on animals	215
9.4	Public policy, non-commercial breeds and the future	217
10	Pedigrees and Purity	221
10.1	Background and context: The value of pedigrees and purity	221
10.2	Some historical examples of pedigree anxiety	224
10.3	The impact on animals	230
11	Population Control: Pests, Aliens and Endangered Species	235
11.1	Background and context: Unwanted versus valued species	235
11.2	Practices, technologies and approaches	240
11.3	The impact on animals	249
11.4	The professionals, the public and the future	252
12	Laboratory Animal Breeding: Designed for Science	265
12.1	Background and context: Laboratory animals	265
12.2	Practices and technologies	270
12.3	The impact on animals	275
12.4	The professionals, the public and the future	280
13	Eugenics, Commerce and Control in Human and Animal Reproduction	293
13.1	Background and context: Good breeding	293
13.2	Reproductive technologies and genetic selection in humans and animals	298
13.3	Animal breeding, human interests and animals' interests	305