Contents

_	ontrib	utors	,
	reface		xi
F	orewo	rd E. Ashby	xix
1	Environmental decision-making A.A. Brennan		
		Introduction	1
		Weakness of will and environmental degradation	
		Corporate actors and individual responsibility	2
		Constraints on decision-making	8
		Myths and their avoidance	
		Conclusions	13 17
2	Environmental attitudes in North America		
	F. B	. Golley	
	2.1	Introduction	20
	2.2	Encounter with native Americans	22
		Encountering the great forest	24
		Wilderness and National Parks	27
	2.5	Conclusions	28
		Acknowledgements	31
		References	31
3	Environmental attitudes in Germany: the transfer of scientific		
	information into political action		
	W. Haber		
		Introduction	33
		Doomsday or chaos prophecy	36
	3.3	The simplicity – complexity dilemma	37
	3.4	Ecological fundamentalism	39
	3.5	The value problem	40

vi Co	ontents	
3.6	The scale problem	41
3.7	Legislative maze	42
	Dissension among ecologists	43
3.9	Conclusions	45
	References	46
4 Cas	se study: air quality	47
$T.\lambda$	1. Roberts and J. Sheail	4.5
4.1		47
4.2	The acid rain debate	48
4.3	The wider context	62
4.4	•	69
	Acknowledgements	7 0
	References	70
5 Cas	se study: the history and ethics of clean air	72
	Brimblecombe and F. M. Nicholas	72
5.1	Introduction	73
5.2	Early views of air and health	74
5.3	Of neighbours and walls	75
5.4	Early political interest in the environment	77
5.5	Fire and brimstone	78
5.6	Cleanliness	79
5.7	Sanitary hygiene	7'
5.8	Town and country	80
5.9		8
5.10		8:
5.11	Conclusions References	8
6 Ca	se study: nuclear power	8
	E.J. Roberts	
	Introduction	8
	Control of ionizing radiation	8
6.3	and the same of th	9
6.4		9
6.5		9
6.6		9
6.7	,	10
0.7	Acknowledgements	10
	References	10

7	environment?	
	B.H. Green	10
	7.1 Introduction	104
	7.2 Agricultural change	104
	7.3 Dilemma and opportunity	107
	7.4 Perceptions of nature	109
	7.5 Stewardship and dominion	112
	7.6 Farming and conservation	114
	References	116
8	Case study: farm animals	118
	R. Harrison	
	8.1 Introduction	118
	8.2 The Brambell Committee	119
	8.3 Farm Animal Welfare Advisory Committee	123
	8.4 Farm Animal Welfare Council	125
	8.5 The European dimension	127
	8.6 Four watersheds	129
	8.7 Animal welfare in context	134
	References	135
9	Case study: lowland wetland conservation B. Moss	136
	9.1 Introduction	136
	9.2 The nature of wetlands	138
	9.3 Human uses of wetlands	141
	9.4 Vulnerability of wetlands	145
	9.5 Solutions by tinkering	146
	References	148
10	Case study: nature conservation – a Scottish memoir	150
_	J.M. Boyd	
	10.1 The birth of an idea	150
	10.2 Conservation: a matter of no compromise?	152
	10.3 Ducks versus jobs	156
	10.4 Sustainable development	158
	10.5 'Greening' of forestry	159
	10.6 Coming full circle	161
	References	163
11	Case study: research	164
	D.W. Heal	
	11.1 Introduction	164

viii	Co	ontent
	11.2	Rese
		_

References

viii	Col	ntents	
	11.2	Research initiation	165
	11.3		165
		Chernobylaccident	166
	11.5		168
	11.6	General considerations	169
	11.0	Acknowledgements	171
		References	171
12	Case	e study: economics – the challenge of integrated	
		ution control	172
		Turner and J.C. Powell	
1	12.1	Introduction	172
	12.2	Mediling, lationale and mints of the term mitograms	174
	12.3	Pollution control and residuals management 'failures'	175
	12.4	Financial versus economic viability	180
	12.5	Market failure	181
	12.6	Cleaner technology innovation and diffusion: new	
		opportunities for market-based instruments	184
1	12.7	Stages in the Environmental Assessment/Audit process	190
	12.8	Data integration and environmental impact evaluation	191
	12.9	Comprehensive environmental appraisal	193
	12.10	Conclusions	201
•		References	202
13	Cas	e study: industry	204
	G. V	Nyburd	204
	13.1	Introduction	204
		The 'greening' of enterprise	206
		The lessons of environmental disasters	208
	13.4	Industry's central role and achievements	209
	13.5	Regulation and innovation	212
	13.6	The growth of consensus	213
	13.7	The big dilemmas	215
	13.8	Conclusions	220
		References	221
		Appendix Business Charter for Sustainable Development	. 222
14	Cas	se study: the Government sector	225
	D.A	A. Everest	225
		Introduction	225
	14.2	Pressures acting on UK policy-makers	226
	14.3	The nature of expert scientific advice	229
	14.4	a a a a a a la la la la la la mandala mara	233

240

	Contents	ix
15 Environmental concern		242
R.J. Berry		
15.1 Introduction		242
15.2 From 1970 onwards		244
15.3 The World Conservation Strategy and beyond		246
15.4 The Brussels Code		249
15.5 On from 1992		250
Acknowledgements		252
References		252
Appendix A A Code of Environmental Practice		253
Appendix B Christians, the Environment and Developm	nent	263
Index		265