

TABLE OF CONTENTS

PREFACE	VIDVAG.	-	. x	
ACKNOWLEDGE	MENTS	. 2	(11	1
INTRODUCTION	N AND SUMMARY OF STUDY	I	٠.	1
PART I:	The General Equilibrium Model of the UK - Structure, Data and Model Solution.	p.	. 1	6
CHAPTER 1	General Equilibrium Analysis of Tax and Subsidy Policies.	p.	. 1	7
1.1	General Equilibrium Analysis of Taxes in a Computational Framework.	p.	. 1	7
1.2	General Equilibrium Analysis of Complete Tax/Subsidy Systems.	p.	. 2	. 3
1.3	Equal Tax Yield Comparisons Between General Equilibria.	p.	. 2	.7
1.4	Partition of the Commodities into Goods and Factors in General Equilibrium Models.	р.	. 2	9
1.5	Computational Solution of General Equilibrium Tax Policy Models.	p.	. 3	0
CHAPTER 2	The Basic Variant General Equilibrium			
	Model.	p.		
2.1	An Overview of the Basic Variant Model.	р	. 3	5
2.2	The Industrial Sector.	p.		
2.3	The Personal Sector.	p.	. 4	3
2.4	Treatment of Investment Expenditures in			
	the Basic Variant Model.	p.		
2.5	The Public Sector.	p.		
2.6	The External Sector.	_	. 5	
2.7	Equilibrium Solutions for the Model.	p	. 5	
2.8	Dating the Model.	р	. 5	7



CHAPTER	3 Model Treatment of UK Taxes, Subsidies	
	and Government Expenditure.	p. 64
3.1	An Overview of the 1973 Tax/Subsidy	
	System in the Model.	p. 64
3.2	The 1973 UK Tax System.	p. 69
3.3	The 1973 UK Subsidy System.	p. 81
3.4	The Treatment of Public Sector Expen-	
	ditures.	p. 86
3.5	An Initial Overview of the Impact of the	
	1973 UK Tax/Subsidy System.	p. 88
3.6	Developments in UK Taxes and Subsidies	
	between 1973 and 1980.	p. 92
CHAPTER	4 Calibrating the model.	p. 99
4.1	The Choice of Functional Forms for the	
	Behavioral Equations in the Model.	p. 100
4.2	Alternative Approaches to Parameter	
	Selection.	p. 101
4.3	The Construction of a Benchmark Equi-	
	librium Data Set.	p. 103
4.4	Units Conventions and the Use of the	
	Benchmark Equilibrium Data Set.	p. 106
4.5	Consistency Adjustments in the Con-	
	struction of a Benchmark Equilibrium.	p. 107
4.6	Determining Parameter Values from the	
	Benchmark Equilibrium Data Set.	p. 110
CHAPTER 5	Benchmark Equilibrium Data Set.	p.119
5.1	Profit Type Return by Industry.	p. 125
5.2	Return to Labour by Industry.	p. 129
5.3	Taxes and Subsidies on the Return to	
	Labour and the Profit Type Return.	p. 134
5.4	Details of Costs of Production by	
	Industry.	p. 135
5.5	Demands for Commodities.	p. 135
5.6	Consumer Taxes and Subsidies.	p. 140

viii



5.7	Consumer Incomes and Income Taxes.	p.	140
5.8	Major Categories of Expenditures by	-	
3.0	Households.	n.	147
r 0	The Public Sector Accounts for the Year	Ρ.	
5.9		n	147
5 10	1973.	р.	14,
5.10	Sources of Income by Sector and Treat-	_	152
	ment of Financial Transactions.	р.	172
CHAPTER 6	Specifying Values for Substitution		
	Elasticities.	p.	156
6.1	Production Function Elasticities.	p.	156
6.2	Demand Function Elasticities.	p.	159
6.3	Trade Elasticities.	p.	169
6.4	Elasticity Values and the Labour/Leisure		
	Choice.	p.	174
6.5	Elasticities and Savings Decisions.	p.	176
6.6	Elasticities in the Public Good Model		
	Variant.	p.	178
PART II:	Empirical Analysis of the UK Tax/Subsidy		
	System Using the General Equilibrium		
	brium Model.	p.	181
CHAPTER 7	Detailed Analysis of Central Case Model		
	Experiment Involving Removal of Non-		
	Savings/Non-Leisure Tax/Subsidy		
	Distortion.	p.	184
7.1	Introduction.	p.	184
7.2	Aggregate Welfare Analysis of the		
	Central Case.	р.	185
7.3	Detailed Impacts on Household Groups		
,	for the Central Case Analysis.	p.	194
7.4	Price and Quantity Adjustments Assoc-		
	iated with the Central Case.	p.	205
7.5	Additional Analyses in the Central Case.	p.	221
7.6	Summary of Main Findings in Chapter 7.	- р.	227
	• •	_	



CHAPTER 8	Analysis of Structural Characteristics		
	of the Tax/Subsidy System.	p.	230
8.1	Introduction.	p.	230
8.2	Model-Type Taxes and Legal Tax Instruments.	p.	230
8.3			
0.3	The Relationship of Results in 8.2 to		~ 4 =
0. 4	Other Studies of Tax Subsidy Distortions.	-	
8.4	Increasing Personal Tax Progressivity.	p.	254
8.5	Restructuring Consumer Prices in Order		
	to Redistribute Income.	p.	
8.6	Industrial Policies and the Tax System.	p.	261
8.7	The Effects of Changing the Balance		
	Between Direct and Indirect Taxation.	p.	
8.8	Summary of Findings of Chapter 8.	p.	265
CHAPTER 9	Further Analysis of Tax/Subsidy		
	Distortions.	p.	
9.1	Introduction.	p.	268
9.2	Tax Distortions and Labour Supply.	p.	268
9.3	Tax Distortion of Savings.	p.	270
9.4	Inflation and Distortion of the Tax		
	System.	p.	284
9.5	Transfers and Welfare Reform.	p.	290
9.6	Public Provision: Equilibria with Public		
	Goods and Distorting Taxes and Subsidies.	p.	291
9.7	A Reverse Analysis of the 1973 Tax		
	Reform.	p.	299
9.8	Summary	p.	302
SUMMARY AND	CONCLUSIONS	n.	305
		ρ.	505
APPENDIX A	Structure of the Basic Variant Model.	p.	308
APPENDIX B	Notes to Tables Appearing in Chapter 5.	p.	313
APPENDIX C	Notes on Programming and Computation.	p.	327
BIBLIOGRAPHY		p.	333