

# Contents

<i>List of Figures</i>	x
<i>List of Tables</i>	xi
<i>Acknowledgements</i>	xii
<b>1 Introduction</b>	<b>1</b>
<b>PART I THE BACKGROUND: HISTORICAL, THEORETICAL AND PRACTICAL</b>	<b>9</b>
<b>2 The Origins of Monetary Union</b>	<b>11</b>
The purposes of monetary union	12
The Snake in the tunnel	14
The Snake without a tunnel	15
A parallel currency	15
The European Monetary System	16
The European Currency Unit	20
<b>3 The Fundamental Economics</b>	<b>21</b>
Don't be afraid of equations	21
<b>4 Exchange Rates: Fixed and Floating</b>	<b>24</b>
Arbitrage and speculation	27
International policy co-ordination and the $n - 1$ problem	32
Intervention: sterilised and unsterilised	34
The effect of exchange-rate changes	37
Interest parity and the 'Walters Critique'	45
Appendix	49
<b>5 An Optimum Currency Area</b>	<b>52</b>
<b>6 Controlling Inflation</b>	<b>59</b>
Appendix	68
<b>7 The Exchange-Rate Mechanism: How it Operates</b>	<b>71</b>
The parity grid	72
Germany hegemony	77

Capital controls, no realignment and 'non-provocative realignment'	80
Currency substitution	83
Informal super-narrow margins	84
Fault-lines in the ERM?	86
Appendix: the formula for setting margins around the central rate	87
<b>8 The Exchange-Rate Mechanism: Inflation and Growth</b>	<b>89</b>
Did the ERM beat inflation?	93
Interest rates	100
Italy: a peculiar case indeed	107
The exchange-rate mechanism as 'nominal anchor'	108
<b>9 Volatility and the Problems of Companies</b>	<b>110</b>
Exchange-rate volatility	110
Interest-rate volatility	117
The level of interest rates	119
Barriers to intra-European Community direct investment	120
The interests of German companies	121
<b>PART II THE ROAD TO EUROPEAN MONETARY UNION</b>	<b>123</b>
<b>10 The Transition from Exchange-Rate Mechanism to European Monetary Union</b>	<b>125</b>
The Delors Report	127
The problem of stage two	129
The intergovernmental conferences	129
The essence of European Monetary Union	130
A 'hard ERM' as an alternative	131
The British proposal for a 'hard ecu'	133
European Monetary Union and the loss of sovereignty	133
New members	135
<b>11 The Decisions at Maastricht</b>	<b>137</b>
The entry criteria	137
The launching of European Monetary Union	138
Changing over to the ecu	141
The economic and financial committee	142
'No bailouts'	142

	Stage two and the European Monetary Institute	143
	Political union	145
	Ratification and implementation	149
	Failure to ratify	150
<b>12</b>	<b>The Economic Consequences of European Monetary Union</b>	<b>152</b>
	Indirect gains	159
	Interest rates and bond markets	161
	Less need for European Community gold and foreign exchange reserves	162
	Reserve balances and foreign balances	163
	The benefits of price stability	164
	The cost of European Monetary Union	165
	Gainers and losers across the European Community	168
	Seigniorage	169
	EMU and economic management	172
	Shocks in the transitional period	173
	The balance of payments	175
<b>13</b>	<b>The Need for Convergence</b>	<b>177</b>
	Convergence: what is needed?	177
	Budget deficits and debt	178
	Interest rates	180
	Inflation	181
	One last realignment?	185
	Germany: a special case	186
	Timetable prospects	189
<b>14</b>	<b>The European System of Central Banks</b>	<b>191</b>
	Independence	195
	'No bailouts'	200
	Policy objectives	202
	External policy	206
	The Eurofed and the IMF	207
	Compulsory liquid asset ratios and rediscounting	208
	The transition to full participation	210
	Allocation of capital and income	211
	Bank supervision	212
	Other tasks	212
	Location	213
	Credibility?	214

<b>15</b>	<b>The European Currency Unit</b>	<b>217</b>
	The ecu on the road to European Monetary Union	222
	Hardening verses freezing	223
	Changing to a stand-alone ecu	225
	Appendix: the UK proposal for a hard ecu	228
<b>16</b>	<b>Monetary Union and Europe's Financial institutions</b>	<b>232</b>
	Life and pension funds will also boost securities demand	238
	Government bonds	239
	Corporate bonds	239
	Government-controlled banks	241
	A Euro-SEC?	241
	1992 and its consequences	243
<b>17</b>	<b>Implications for Fiscal and Regional Policies</b>	<b>247</b>
	The need for discipline	249
	Tax competition	254
	The silver lining	255
	Spillover effects of fiscal policies	256
	The consequences of credit risk and tax competition	259
	Indirect taxes and fiscal policy	261
	Policy co-ordination, shocks and fiscal adjustment	261
	Symmetrical and asymmetrical shocks	267
	Should taxing power be centralised?	269
	Regional implications	271
	The fiscal consequences of EMU	275
	Appendix: surveillance and sanctions	277
<b>18</b>	<b>The Reluctant Suitor: The United Kingdom</b>	<b>279</b>
	The policy of the United Kingdom towards European Monetary Union	279
	The economic background	282
	Tracking the mark and other policy errors	283
	The impact of the exchange-rate mechanism	284
	The political decision	286
	The fatal rate of 2.95	287
	The crisis of September 1992	290
	The UK must return to the ERM	291

Central bank independence . . . before EMU?	293
EMU conditions are more important than 'fault-lines'	295
<b>19 Should Europe be Less 'Federal'?</b>	<b>296</b>
Subsidiarity and federalism	299
Some existing powers should move to Brussels	303
Do the Commission's powers cause a 'democratic deficit'?	303
Widening the EC will make political accountability more difficult	304
Citizenship, asylum and judicial matters will test the EC's political maturity	306
<b>20 Summary and Conclusions</b>	<b>309</b>
What would be gained by retaining flexible exchange rates?	310
After sufficient convergence, EMU is superior to the ERM	311
. . . and EMU would confer other gains	312
Five other welfare gains should result from EMU	312
Wage inflation may stabilise to benefit employment growth	313
The role of the Eurofed will be critical	314
Will EMU permit a more rational allocation of economic duties?	317
Federalism and subsidiarity	319
Political union	320
How quickly will EMU arrive?	323
The entry conditions are badly designed	324
EMU and expansion of the European Community	327
Might EMU fail?	329
<i>Notes and References</i>	333
<i>Index of Authors of References</i>	357
<i>General Index</i>	359

# List of Figures

4.1	Uncovered arbitrage and capital flows	29
4.2	(a) Real exchange rates of main EC countries	39
	(b) Nominal exchange rates (in terms of marks)	39
4.3	Devaluation as a cure for lost exports	42
4.4	German, French, Italian and Spanish interest rates, 1979–91	47
8.1	Inflation (showing percentage changes in consumer prices)	90
8.2	Interest rates in the EC for the ‘old guard’: Germany, France and Italy	102
8.3	Interest rates in the EC for the newcomers: Spain and the UK	103
13.1	Convergence of traded-goods’ prices in EMU	184
18.1	Floating in 1988–90 and joining the ERM	285
18.2	Sterling: real and nominal	288

# List of Tables

5.1	The openness of EC economies: exports and imports as a percentage of GDP excluding imputed outputs of government sectors	55
7.1	Bilateral central rates and selling and buying rates in the ERM from 6 April to 11 September 1992	74
7.2	Returns on government bonds in dollar terms (% p.a.)	82
8.1	Realignments in the ERM, 1979–83	91
8.2	Inflation in ERM countries (percentage increases in consumer expenditure deflators)	92
8.3	Realignments in the ERM, 1984–92	93
8.4	Actual and potential growth in the main EC countries	95
8.5	Percentage changes in wage earnings (based on hourly earnings in manufacturing)	96
9.1	Exchange-rate risks	114
9.2	Volatility of real exchange rates (competitiveness)	116
9.3	The volatility of interest rates	118
12.1	Interbank spreads in spot markets	153
12.2	Cost savings on intra-EC settlements using a single currency (billion Ecus)	157
13.1	OECD data on general government deficits and debt	179
14.1	The Federal Reserve, the Bundesbank and the ECB	199
14.2	Use of cheques and credit cards (all data per capita)	209
15.1	The composite ecu as from 8 October 1990	218
16.1	International bond issues by type of borrower	236
17.1	Debt ratios, deficits and the sustainability gap as a percentage of GDP in 1989	252
17.2	Spillover effects of a rise in government spending by 2 per cent of GDP	258
17.3	Fiscal impacts in the USA, Canada and the EC	265
17.4	The EC structural funds breakdown by objective (billion ecu)	272
18.1	Forecast of the UK economic outlook after floating, annual percentage changes	293
20.1	The prospects for convergence	325