### **Contents**

List of figures

		ist of figures	<i>page</i> xvi
	L	ist of tables	xix
		reface	xxi
	A	cknowledgements	xxiv
	L	ist of conference participants	xxvi
1	In	itroduction	1
	G	uillermo de la Dehesa and Dennis J. Snower	
×	$\leq 1$	Purpose of the volume	1
,	2	An overview of the volume	4
PART	01	NE: GENERAL POLICY ISSUES	
<b>&gt;</b> 2		valuating unemployment policies: what do the underlying	g
		eories tell us?	15
	D	ennis J. Snower	
	1	Introduction	15
	2		16
	3	Demand-management policies	20
	4	Supply-side policies	27
	5	Institutional policies	32
	6	Contractual policies	36
	7	Concluding remarks	44
<b> ×3</b>		igh unemployment from a political economy perspective	54
		lles Saint-Paul	
	1	Introduction	54
	2	Theory	55
	3	Implications for economic policy	64
	4	Conclusion	71

Discussion

Dennis J. Snower

	Discussion	33
	Samuel Bentolila	
	Discussion	77
	Richard Jackman	
PART POLI	TWO: DEMAND MANAGEMENT AND SUPPLY-SI	DE
× 4	The role of demand-management policies in reducing	
	unemployment	83
	Charles R. Bean	02
	1 Macroeconomic policy and unemployment	84
	2 Macroeconomic policies to support supply reforms	96
	3 Enhancing the effectiveness of macroeconomic	
	policies	103
	4 Conclusions	106
	Discussion	111
	Stanley Fischer	
	1 Is there a role for stabilisation policy?	111
	2 The role of demand management in Europe	
	in the 1990s	113
5	Edmund Phelps' theory of structural slumps and its policy	
	implications	116
	Edmond Malinvaud	110
	1 Introduction	116
	2 In search of a fundamental model	118
	3 Further methodological remarks	122
	4 Phelps' models discussed	123
	5 Empirical evidence	129
	6 Explanation of postwar trends	131
	7 Policy implications	132
	Discussion	142
	Edmund S. Phelps	
	Discussion	151
	Klaus F. Zimmermann	131
PART	THREE: SUBSIDISING EMPLOYMENT AND	
TRAIN	UNG EMPLOYMENT AND	
₹ 6	The simple economics of benefit transfers	163
	D : 7 G	103

			Contents	ΛI
	1	Introduction		163
	2	The underlying framework		170
	3	Self-financing recruitment vouchers		172
	4	Targeting the long-term unemployed		173
	5	Deadweight and displacement		174
	6	Training vouchers		178
	7	Estimating the unemployment effects of the BTP		180
	8	Concluding thoughts	•	188
		Discussion		199
		David T. Coe		
		Discussion	2	202
		Jacques H. Drèze		
7	W	age subsidy programmes: alternative designs	2	206
		lmund S. Phelps	_	
	1	The argument for a low-wage employment subsid	ly 2	208
	2	Employment subsidy schemes		217
	3	Conclusions and objections	2	229
		Discussion	2	244
		Jeff Frank		
		Discussion	2	247
		Dale T. Mortensen		
3	Te	chnological development, competition from low-wag	e	
	eco	onomies and low-skilled unemployment	2	250
	Ja	cques H. Drèze and Henri Sneessens		
	1	The weakened position of less-skilled workers	2	250
	2	Policy objectives	2	260
		Policy alternatives	2	264
	4	Conclusion	2	272
		Discussion	2	277
		Jozef Konings		
		1 Technological progress and unemployment		278
		2 Globalisation and unemployment		279
		3 Policy	2	280
)	Ma	acroeconomic and policy implications of shifts in the	:	
		ative demand for skills		282
	Oli	ivier J. Blanchard		
	1	The race between relative demand and relative sup	pply 2	282
	2	Unemployment		283
	3	The USA versus Europe	2	285
	4	The shape and size of transfers	2	286

#### xii Contents

	5 Supply responses	287
	6 Technological progress	288
	7 Conclusions	289
	Discussion	291
	Gylfi Zoega	271
10	Would cutting payroll taxes on the unskilled have a	
	significant impact on unemployment?	296
	Stephen J. Nickell and Brian Bell	290
	1 Introduction	296
	The determinants of unemployment rates by skill	299
	3 Unemployment and wages by skill	305
	4 Should payroll taxes on the unskilled be cut?	320
	Appendix: notes to table 10.2	323
	Discussion	323
	Robert J. Gordon	329
11	Preventing long-term unemployment: an economic analysis Richard Layard	333
	1 Introduction and review	
	2 Substitution and displacement	333
	3 Relevant experience	339
	Discussion	344
	Guillermo de la Dehesa	349
	Discussion Discussion	
	Patrick Minford	351
PART	FOUR: LABOUR MARKET REGULATIONS	
12	An analysis of firing costs and their implications for	
	anemployment boncy	359
	Alison L. Booth	
	1 Introduction	359
	2 A competitive spot labour market	362
	3 Labour demand in a competitive labour market with contracts	302
	contracts	363
	Equilibrium completes with long-term contracts a	
	· oranically required may	366
	omparison of the imemployment and distingtion of	
	two-period redundancy pay model with other union	
	11104013	371
	anomployment implications of statutame	
	redundancy pay	375

		Contents	xiii
	7 Conclusion	,	378
	Appendix		379
	Discussion	_	388
	Juan José Dolado		
	Discussion	3	392
	Gilles Saint-Paul		
<b>X</b> 13	Labour market regulation and unemployment	3	395
	Paul Gregg and Alan Manning  1 Introduction		395
	2 The conventional analysis of regulation in the		393
	labour market	:	396
	3 Empirical evidence on the relationship between	_	,,,
	market de-regulation and unemployment		399
	4 Why might labour market de-regulation not alv	vays	
	reduce unemployment?		410
	5 The optimal amount and form of labour marke	t	
	regulation	4	416
	6 Conclusion	4	418
	Data appendix		<b>420</b>
	Discussion	4	124
	Juan J. R. Calaza		
PART	FIVE: POLICY, JOB REALLOCATION AND T	'HE	
	PLOYMENT-PRODUCTIVITY RELATION		
14	Is there a trade-off between unemployment and		
	productivity growth?	4	133
	Robert J. Gordon		
	1 Introduction		133
	2 Basic analytics		134
	3 An example: the minimum wage 4 Mechanisms		142 146
		,	140
	5 Productivity growth differences across countries and sectors		152
	6 Conclusions		159
	Discussion		64
	Charles R. Bean	·	
15	Gross job reallocation and labour market policy	4	67
	Pietro Garibaldi, Jozef Konings and Christopher Piss	sarides	
	1 Preliminaries		68
	2 Unemployment and job reallocation	4	71

3 Job reallocation and labour market policy	477
4 Conclusions	477 486
Appendix: definitions and sources	487
Discussion	487 489
Brian Bell	409
1 Do cross-country variations in gross job	
reallocation tell us anything?	490
2 Is the data what we think it is?	491
3 Are the empirical results significant and robust?	492
4 Should we be concentrating separately on job	.,
creation and job destruction rates?	493
Discussion	495
Ana L. Revenga	
1 Comparability of the data	496
2 Confused causality	496
3 Conclusions	498
DART CIV. CO.	
PART SIX: COMPARING UNEMPLOYMENT POLICIES	
16 Unemployment in the OECD and its remedies	501
Fuirick Minjord	301
1 Trade, development and global competition	502
2 The model	504
3 Simulation of the North–South model	508
4 A preliminary test of the emerging market	500
hypothesis	510
implications for the OECD natural rate of	
unemployment	519
- 110 Social Providing () I()W-Wage competition	521
7 Policies to deal with the low-wage dilemma 8 Conclusions	523
Conclusions	527
Appendix: the equations of the North-South model Discussion	528
Jonathan Haskel	534
1 The emerging markets hypothesis	535
2 Policy implications Discussion	539
Stephen J. Nickell	541
1 Introduction	
	541
2 Trade versus technology and the Minford model	542
3 Solving the low-pay problem	543

17	TI	ne unemployment and welfare effects of labour market	
	po	licy: a comparison of the USA and the UK	545
	St	ephen P. Millard and Dale T. Mortensen	
	1	A simple model of job creation and job destruction	546
	2	The qualitative effects of labour policy and wage	
		formation institutions	550
	3	Accounting for the UK-US unemployment rate	
		differential	555
	4	The effects of individual labour market policies	559
	5	The effects of labour policy reforms	561
	6	Conclusions and suggestions for future research	565
		Mathematical appendix A: the model	567
		Mathematical appendix B: functional forms and	
		parameters	569
		Discussion	572
		Giuseppe Bertola	
		Discussion	575
		Michael Burda	
	In	dex	579

# **Figures**

3.1	Labour demand and labour supply curve	page 57
3.2	Increase in labour surplus at expense of capital	. 57
3.3	France and Britain: payroll taxes, 1952-86	69
4.1	Cyclical unemployment	85
4.2	Effect of demand shocks on unemployment, 1964-92	88
4.3	Response to demand shock	89
5.1	The macroeconomic equilibrium	119
D5.1	Standardised unemployment rates, 1967–94	153
D5.2	Short- and long-run real interest rates, 1970-94	156
D5.3	Long-run real interest rates and total outlays of	
	government	157
D5.4	Standardised unemployment and long-run real interest	
	rates	158
6.1	The labour market equilibrium	170
6.2	The effect of the recruitment voucher	172
6.3	Targeting the long-term unemployed	174
6.4	Deadweight and displacement	175
6.5	The effect of an increase in the voucher	177
6.6	The maximal employment voucher	178
6.7	Training vouchers	179
6.8	The maximum training and recruiting vouchers	180
6.9	The maximum voucher ratio and the maximum	100
	employment effect	185
D7.1	The low-wage equilibrium and associated unemploymer	10 <i>5</i> nt
	and the high-wage equilibrium after a wage subsidy is	11
	introduced introduced	246
8.1	Structure of unemployment, by occupation, France,	240
	1962–92	253
8.2	Low-skilled unemployment, in levels and in rates,	233
	France, 1960–90	253
		233

	List of figures	xvii
8.3	25-54-year-old working men, by wage and salary income, USA, 1979 and 1987	255
8.4	Relative wage of manual versus non-manual workers, 1970–90	255
8.5	Labour market equilibrium with subsidies	268
10.1	Comparison of unit wage levels and employment tax,	
	OECD countries, 1980–90	297
10.2	The skilled and the unskilled labour markets	301
10.3	Unemployment responses to an adverse neutral demand	
	shift	303
10.4	Unemployment ratios, 1970–90	311
11.1	Percentage of unemployed people out of work over 12	
	months, by maximum duration of benefits, 1984	335
11.2	The inflation constraint	340
11.3	Stocks and flows	343
11.4	The Layard scheme	343
11.5	Percentage growth in the labour force and in employment, 1960–89	344
11.6	Change in the relative labour force, and change in relative	
11.0	employment, by sex, 1970–90	345
11.7	Vacancy rates and unemployment rates, 1970–85	347
D11.1	The unemployment trap	352
D11.2	The low-wage job market before Layard's scheme	353
D11.3	The low-wage job market after Layard's scheme	354
D11.4	The pattern of work among Layard scheme workers on	
	scheme jobs	355
12.1	Labour demand variations with and without redundancy	
	pay for a fixed wage rate	366
12.2	A comparison of welfare losses of three union models	374
12.3	Imposition of mandated redundancy pay	376
D12.1	Employment rigidity versus employment growth	391
D12.2	Booth's Proposition 2	393
13.1	Unemployment and non-employment rates, prime-aged	
	men, UK, 1974–91	403
14.1	The UPT schedule	436
14.2	Unemployment and productivity in the standard labour	
	market model	438
14.3	The effects of an oil shock on employment and the	
	real wage	441
14.4	The minimum wage relative to average hourly	
	compensation, 1962–92	443

### xviii List of figures

14.5	The effect of an increase in the real minimum wage in	
	France and a decrease in the USA	442
14.6		443
15.1	Job reallocation and unemployment	448
15.2	and anomployment	474
15.3	Job reallocation and employment protection legislation	476
15.4	and omployment brokerion legislation	479
15.5	and and anomployment mannance.	480
15.6	and unemployment mourance:	482
15.7	Job reallocation and industrial subsidy	484
16.1	and mustial subsidy	485
10.1	The supply and demand for non-traded (domestic) goods	
16.2		506
10.2	The ratio of DCs' manufacturing export prices to DCs'	
	export prices of machinery and transport equipment	
16.3	and of services, 1970–92  The rotic of LDC 1 - DC 1	516
10.5	the state of EBCs to BCs manufacturing export	
16.4	prices, 1970–92	516
10.4	Percentage changes in the 1980s in the relative wages and	
	relative employment of non-production and product in	
16.5	labour in manufacturing	517
16.5	The wage distribution before and after low-wage	
16.6	competition	520
16.6	BIG and NIT illustrated	522
D16.1	Changes in non-manual/manual relative wages and	J
	employment, 1980–1	538
17.1	Equilibrium reservation productivity and market	220
	tightness	551

551

## **Tables**

D5.1	Integration and cointegration pa	ge	139
6.1	Short-run effects of the BTP		186
6.2	Long-run effects of the BTP		187
7.1	Percentage differentials in real annual wages and salaries	,	
	males, 25-57, 1979-87, selected years		223
7.2	Cost of a model tax credit plan for US private-sector		
	full-time employees		231
8.1	Unemployment rates, by level of educational attainment		251
8.2	Unemployment rates, by skill, Britain and the USA,		
	1984 and 1987		252
8.3	Ratio of unskilled/skilled employment and wages in		
	Germany, 1966-90		254
8.4	Hourly wage costs for production workers in		
	manufacturing, 1992		260
8.5	Minimum wages in Western Europe, 1985-91, selected		
	years		265
8.6	Social insurance contributions and income tax at		
	average earnings, blue-collar workers, 1991		266
D8.1	Male unemployment rates, by education percentages,		
	1971–82 to 1991–3		279
9.1	Relative demand and supply shifts, 1963-71 to		
	1979–87, selected years		283
9.2	Evolution of unemployment rates, for high- and low-		
	education workers, in four European countries,		
	1979-82 to 1993, selected years		286
D9.1	Ratio of unemployment among the least educated to		
	general unemployment, 1978–93		293
10.1	Unemployment, by occupation: inflow and duration,		
	USA and Britain, 1987 and 1984		304
10.2	Male unemployment rates, by education or occupation,		
	1971-4 to 1993, selected years		306

#### xx List of tables

10.3	Earnings differentials, by education, males, early	
	1970s-late 1980s	309
10.4	Earnings dispersion for males, 1973-91	310
10.5	Percentage increases in male unemployment from the	
	1970s	312
10.6	UK and US male unemployment and non-employment	J. <b>_</b>
	rates, by education, 1971–92	314
10.7	UK male unemployment and non-employment rates,	511
	by education, 1971–92	315
10.8	Long-term disability, 1972-82	316
10.9	Relative skill shortages and unemployment, 1963–92	319
11.1	Short- and long-term unemployment as a percentage of	2.,
	the labour force, 1980s average	334
D11.1	Illustrative scheme arithmetic	356
12.1	Equilibrium period 1 wages and employment levels for the	
	three models	373
13.1	Single variable correlations	405
13.2	Significant relationships between regulation and	
	performance	407
14.1	Growth rates of output per hour, mean and variance	
140	by county and sector	453
14.2	Growth rates of output per hour, the contribution of	
	capital, and multi-factor productivity, non-farm private	
142	business sector, 1960–92	455
14.3	The contribution of capital and of MFP to slowdown	
	in growth rate of output per hour, 1979–92 as compared	
14.4	to 1960–73, by major sector	455
14.4	Regression equations explaining growth rates by country	
15.1	and sector, three intervals, 1960–92	458
15.1	Job reallocation in OECD countries, 1982-9	470
D15.1	Gross and excess job reallocation	471
D15.1	Bivariate results for job reallocation	493
D15.2	Multivariate results for job reallocation	493
16.1	Job creation and destruction regressions	494
17.1	The low-wage dilemma	526
1/.1	Baseline parameter values and unemployment experience:	
17.2	the OSA and the UK	558
17.2	The marginal effects of specific labour market policies	561
17.3	THE CHRUIGHTO Attacts of THE 1	562