### **Contents**

	List of figures	vii
	List of tables	viii
	List of contributors	xii
	Preface	xiv
	Acknowledgements	xv
1	New firm formation and regional economic development: an introduction and review of the Scottish experience  Michael W. Danson	1
2	Employment change and new firm formation in UK counties, 1981-9 Brian Ashcroft and James H. Love	17
3	Survival, growth and age of SMEs: some implications for regional economic development David Smallbone and David North	36
4	Empirical research on the role of new firms in Scotland Colin Gallagher, John Kidd and Paul Miller	65
5	Banks and small businesses: an Anglo-Scottish comparison Christine T. Ennew and Martin R. Binks	81
6	Social networking: a comparative behavioural study between would-be entrepreneurs in Scotland and Boston, Massachusetts  Alasdair McNicoll	99

### vi Contents

7	Social networks, entrepreneurship and regional development: research issues  Ronald W. McQuaid	118
8	The business birth rate, real services and networking: strategic options  Geoff Whittam and Catherine Kirk	132
9	Networks and new enterprise development in Russia: a case study of the Yaroslavl region John Struthers, Alistair Young and John Wylie	144
10	•	161
11	New software companies in Scotland: growth constraints and policy implications  Tony Clarke	189
12	What is the role of new firms in a local economic development strategy? How the issue was tackled in developing Forth Valley Enterprise's business strategy <i>Richard Holt</i>	202
13	Whatever you hit call the target: an alternative approach to small business policy Richard T. Harrison and Claire M. Leitch	223
	Index	248

# **Figures**

2.1	New firm formation and the job-	
	generation process	18
2.2	Firm formation and net job change	
	(UK counties), 1980–9	23
3.1	Performance groups	51
4.1	The regional distribution of SMEs in 1987	67
4.2	New firms, 1980-7: the 'flyers' in Scotland	
	and the South East	69
4.3	The firm size distribution of employment	
	in Scottish births, 1980–7	72
4.4	The sectoral distribution of employment	
	in Scottish births, 1980-7	74
4.5	The sectoral distribution of firms in Scottish	
	births, 1980-7	75
6.1	The development cycle	102
6.2	Scottish sample	113
6.3	Boston sample	114
2.1	Scotland's Forth Valley	208
3.1	Novatech – the process	237

## **Tables**

2.1	Variables used in estimation	
2.2	Results of 2SLS estimation	24
2.3	Employment change in D. C. I.	26
2.4	(per 1,000 of working population), 1981–9	28
۵.٦	omployment change in British	
	counties (per 1,000 of working population)	
	with the mean county firm formation	
2.5	rate, 1981–9	30
2.3	Groups of British counties by contribution	
	of fifth formation to employment	
2.	change, 1981-9	32
3.1	The survivability of firms by age group	32
	(London panel)	41
3.2	Sectoral variations in survival rates	41
	for London firms (London panel)	40
3.3	Total employment and employment	42
	change by age of firm (combined panel)	4.6
3.4	Jobs gained and lost, 1979–90, by	46
	age of firm (combined panel)	
3.5	Absolute change in employment, 1979–90,	47
	and age of firm (combined panel)	
3.6	Age of firm and growth performance,	47
	1979–90 (combined panel)	
3.7	Proportion of sales to the three largest	51
	customers, 1990 (combined panel)	
3.8	Geographic market orientation and	53
	age of firm (combined panel)	
3.9	Export activity by age of firm	54
-	(combined panel)	
	(*************************************	55

		Tables	ix
3.10	Shortage of development finance and		
	age of firm (combined panel)		57
3.11	and the second cash how blobbelly		٥,
	and age of firm (combined panel)		58
3.12	and age of mili		
	(combined panel)		59
4.1	The regional distribution of SME firms		
	in 1987 (per million of population)		66
4.2	Regional firm births, 1987-9, as a		
4.0	percentage of 1987 firm stock		68
4.3	New firm performance in Scotland		
4.4	and the South East		69
4.4	New firms in Scotland, 1987-91, by type		
4.5	of entity		71
4.5	Employment in company births in Scotland,		
1.	1987–91		72
4.6	Percentage employment in births, 1987–91,		
4.7	by sector		73
4.7	Percentage firm births, 1987–91, by sector		76
5.1	Firm stock, birth and death rates in Scotland		78
5.2	Analysis of variance for interest rates	;	88
3.2	An analysis of financing conditions by		
5.3	location of business and location of bank	8	89
5.5	Perceived constraint by location of bank and location of business		
5.4			90
5.5	Analysis of variance for perceived constraints Importance and quality of provision of	ç	91
5.5	aspects of bank service		
5.6	Assessment of bank manager by bank and	,	92
- 10	location of business		
5.7	Analysis of variance for banking relationship	-	93
6.1	Percentage of population knowing	5	14
	an entrepreneur	10	. 4
6.2	Scotland: Contacts with relevant professions	10	
6.3	Total contacts over four-week period	10	
6.4	Membership of organisations	11	
6.5	Entrepreneurial contacts	11	-
8.1	Birth rate of VAT registered firms	11	2
	per 10,000 of the official work-force	13	1
8.2	Average birth, death and growth rates,	13	7
	1980–90	13.	5
0.1	Sector by business size	16	
	•	10	_

### x Tables

10.2	Sector by age	
10.3		167
10.4	SMEs involved in innovative activities	168
10.5	Firms identifying needs for external	170
	advice by size of businesses	
10.6	Identification of advice needs by size	171
10.7	Firms identifying needs for external	172
	advice by age	
10.8	Identification of advice needs by age	173
10.9	Reasons for not identifying advice	173
	needs by age	
10.10	Firms seeking external advice, as a	174
	percentage of those who identified a need	
10.11	SMEs finding external advice as a	175
	percentage of those identifying	
	a need for advice	
10.12	Reasons for not seeking advice by age	176
10.13	Sources of external advice used by	176
	businesses identifying a need for	
	external advice	
10.14	Acting on external advice by age	178
10.15	Satisfaction with advice received by age	179
10.16	Paid for advice by age	179
10.17	Willingness to pay for advice by age	180
11.1	Year of foundation of Scottish-owned	181
	independent companies (n = 93)	
11.2	Prior employment position of	193
	founders $(n = 143)$	
11.3	Factors cited as stimulating stort ve	194
	( established and 'new' companies) ( a con-	
11.4	Frequency of citation of 'serious constraints' on growth' (i.e. $493$ )	195
	on growth' (independent companies	
	and branches)	
12.1	Forth Valley Enterprise strategy, 1993/4	198
12.2	VAI legistrations and de-registrations	212
	rutin valley	
12.3	New split between priorities	215
	for Forth Valley Enterprise	
12.4	Detailed targets (£ million)	218
12.5	Forth Valley Enterprise strategy 1004/5	218
	(fullding £ million)	
13.1	New firm formation rates, 1980–90	219
		226

		Tables xi
13.2	Firm performance in Scotland and	
	the South East	227
13.3	Employment change in small indigenous	221
	manufacturing firms	228
13.4	Achievements of the Novatech process	240