Contents

Lis	t of	tables	xi		
Lis	t of	figures	xvii		
Int	rodu	ction	xix		
1	The Economic Theory of Occupational Choice				
	1.1	Distinctive aspects of occupational choice	1		
	1.2		2		
	1.3	Expectations	8		
	1.4	Aggregate supply	11		
2	Models of the Labor and Education Markets				
	2.1	The time structure of supply response	16		
	2.2	Lagged adjustment models of the labor market	18		
	2.3	Availability of training facilities	28		
3	Developments in the Market for Highly Specialized				
	Workers after Word War II				
	3.1	Specialized occupations	33		
	3.2		39		
	3.3	The relation between education and occupation	46		
			vii		

CONTENTS

4	The Cobweb Pattern: the Bachelor of Science in					
	Engineering					
	4.1	Employment and training of engineers	55			
	4.2	The cobweb model in B.S. engineering	58			
	4.3	Supply of B.S. engineers	65			
	4.4	Demand for B.S. engineers	70			
	4.5	The cobweb mechanism	72			
5	The Income of Doctorate Specialists					
	5.1	Doctorate labor market	7 6			
	5.2	Change in income, 1935–1965	77			
	5.3	Discounted lifetime income	86			
6	Stipend Income and Educational Subsidies					
	6.1	Subsidization of graduate students	100			
	6.2	Stipends and labor supply	107			
	6.3	Financing higher education	111			
7	The Incomplete Adjustment Pattern: Doctorate Manpower					
	7.1	Supply of graduate students under incomplete				
		adjustment	117			
	7.2	Additional dimensions of doctorate supply	123			
	7.3	Capacity of graduate schools	134			
	7.4	Summary of the findings: doctorate manpower	137			
8	Cobweb and Incomplete Adjustment in Other College					
	Markets					
	8.1	Cobweb of adjustment in accounting	139			
	8.2	Cobweb adjustment in the MBA market	144			
	8.3	Incomplete adjustments in chemical professions	148			
	8.4	Incomplete adjustment in mathematics	156			
9	Demand for Education and Market for Faculty					
	9.1	The interfield composition of faculties	160			
	9.2	The faculty labor market model	168			
	9.3	Doctorate faculty	175			

CONTENTS

10	Career Plans and Occupational Choice						
	10.1	The s	survey questionnaire	180			
	10.2	The	career decision	181			
	10.3	Inter	relation of specialties	188			
	10.4	0.4 Information in the college market					
11	Expectations of Marginal Decision-making						
	11.1	Expe	ectations of college students	2 02			
	11.2	Expectations of income by specialty					
	11.3	Perceptions of other characteristics					
	11.4	•					
12	Policy and Research Implications						
	12.1	High	l-level manpower policy	227			
			or market research	229			
Ap	pendix	A :	Computation of Incremental Taxes	233			
Appendix		B: Questionnaire and Representative Response		235			
App	pendix	C: Analysis of the Response Bias					
Not	es		¥	243			
Ind	ex			261			