

CONTENTS

Foreword	ix
Introduction	1
Overview	9
PART 1: ECONOMIC DEREGULATION	21
Deregulation	23
Aircraft	65
Destructive Competition	103
PART 2: NOISE AND SAFETY REGULATION	127
Social Regulation	129
Noise Regulation	137
Safety Regulation	169
PART 3: COMPETITION	211
Yield Management	213
What Next?	239
On Theory and Policy Implications	261
Epilogue	283
References	289
Index	293

List of Figures

Figure 1. Simple Hub Network.....	43
Figure 2. A Two-Star Network.....	47
Figure 3. End-to-End Vertical Integration.....	49
Figure 4. US Airlines Fuel Price Index.....	72
Figure 5. New Aircraft Orders.....	79
Figure 6. Profit Margins	87
Figure 7. Stage II Aircraft—Ratio by Airline—Year-End 1989.....	88
Figure 8. Rate of Change in Aircraft Acquisition Cost	89
Figure 9. New Aircraft Deliveries 1985 –1993	96
Figure 10. World Airlines Net Profits 1985–1995.....	96
Figure 11. US Airlines Aircraft Cost Index 1986-1988.....	100
Figure 12. New Aircraft Orders and Deliveries 1960-1998.....	124
Figure 13. Primary Causes of Major Accidents World Fleet 1980-1989	190
Figure 14. Fatal Accidents By Type World Fleet 1988 -1995.....	191
Figure 15. Accident/100,000 Departures 1990-1998.....	196
Figure 16. Annual Profits 1990-2002	233
Figure 17. Domestic and System Net Profit Margins (Quarterly) 1996-2003	234
Figure 18. Real Yield (cents) 1990–2001	234
Figure 19. Composite Cost Index 1990-2001	235
Figure 20. Cost Allocation 2003.....	251
Figure 21. Labor Cost Index.....	252
Figure 22. Increase in Labor Cost per Available Seat Mile, 1998-2001.....	252
Figure 23. Labor Cost per Available Seat-Mile (cents) 2001	254

List of Tables

Table 1. Operating Data 1st Versus 2nd Generation Aircraft	73
Table 2. Aircraft Market Value and Rental Rates	74
Table 3. Selected Aircraft Operating Costs 1994	99
Table 4. Selected Airlines Operating Costs.....	99
Table 5. US Carriers: Fatalities, Seriously Injured Passengers and Hull Loss 1982-1999 ...	177
Table 6. Transportation Fatalities	178
Table 7. Accident Causes - a Simple Typology.....	183

*In memory of
Asher Ben-Yosef, my father
and
Amos Ginor, my mentor
Aviation Pioneers*