CONTENTS

List of Figures

1.

Part 1:

2.

3.

4.

The Pool of Information

The Retail Cluster

Further Readings

Distance and Variety

The Product Mix of a Business Type

106

Consumer Preference and the Retail Landscape 121

List of Tables List of Exhibits xvPreface xvii Why Study Retail Location? The Importance of Marketing The Role of Location Analysis The Social Context The Rest of the Book Further Readings 25 Processes The Geography of Demand The Market Spatially Defined Markets The Spatial Demand Curve Income 40 Age and Household Composition 49 Lifestyle Managing Markets 52 Further Readings The Major Actors on the Supply Side Who Does What in the Distribution System? 55 The Store 70 The Retail Chain The Shopping Centre Developer The Value of Location Further Readings The Mystery of Consumer Behaviour 86 The Household as a Decision Unit 89

Part 2:	Retail Structure 123
5.	Retailing and the Settlement Pattern 125
	The Settlement Pattern 126
	The Retail Hierarchy 129
	The Logic of Central Place 137
	The Distribution System 143
	Retail Chains at the Settlement Scale 149
	Chicken or Egg: Which Comes First? 153
	Further Readings 155
6.	The Changing Distribution System 157
	The Magnitude of Change 159

- 6. The Changing Distribution System 157
 The Magnitude of Change 159
 The Effect of Population Growth 163
 Changing Income Levels 166
 Transportation and Other Technology 170
 The Organization of Enterprise 174
 Further Readings 184
- Commercial Structure Within the Metropolis 185
 The Variety of Commercial Clusters: A Taxonomy of Taxonomies 188
 The Intraurban Retail Hierarchy 191
 The Shopping Centre 192
 Specialized Retail Environments 202
 - Downtown 206
 Location Choices by Retail Chains 211

215

8. The Changing Retail Structure 216
Decentralization 221
The Growth of Planned Centres 227
Changing Store Size 229

The Neighbourhood Scale 234 Further Readings 238

Part 3: Location Analysis 239

9. Making Marketing Decisions 242
Uncertainty 243
Monitoring 251

✓ Forecasting Market Growth 256

Further Readings

- Simulating the Actions of a Competitor 263
 Decision Making Under Uncertainty 269
 Further Readings 271
- 10. Site Selection 272
 Rules of Thumb 277
 Descriptive Inventories 279

Ranking 280
Ratio Methods 281
Regression Models 285
Location-Allocation Procedures 292
Further Readings 298

- 11. Trade Area Analysis 299
 Spatial Monopoly 301
 Market Penetration 309
 Dispersed Markets 318
 Estimating Trade Area Population 326
 Further Readings 330
- 12. Choosing a Location Strategy 331

 Marketing Strategy for a Retail Chain 336

 Location Implications 339

 Fending Off the Competition 343

 The Corporate Environment 351

 The Bottom Line 355

 Further Readings 360

Part 4: The Future 363

- 13. Planning and the Retail Environment 365
 Externalities 367
 Land-Use Conflicts 371
 Economic Competition 374
 Specialized Shopping Areas 377
 - Business Improvement Areas 384
 Redevelopment 386
 - Further Readings 393
- 14. Looking to the Future 394

 Consumer Demand 396

 Changes in the Production Function 398

 The Actors 405

 Watching the Retail Landscape 408

 Further Readings 412

Appendix A: A Glossary of Terms Used in Retail Location Studies 413 Appendix B: Sources of Data for Location Analysis 420 Source Index 428 Subject Index 431

List of Figures

Figure

- 1.1 The Growth of Distribution Employment: The Prairies, 1971-1981, 3
- 1.2 Retail Sales and Personal Income: 1930-Present, 5
- 1.3 The Production and Consumption of Automobiles: Canada, 1981, 6
- 1.4 Retail Concentrations in London, Ontario, 7
- 1.5 Provincial Alcohol Consumption Trends, 9
- 1.6 The Context of Locational Analysis, 13
- 1.7 The Annual Cycle of Retail Sales: Canada, 14
- 1.8 The Distribution System, 16
- 1.9 A Guide to the Book, 18
- 2.1 The Spatial Structure of the Toronto Market, 1941-1981, 32
- 2.2 The Spatial Demand Curve, 34
- 2.3 Distance Decay Curves: Convenience and Shopping Goods, 35
- 2.4 The Effect of Competition, 37
- 2.5 The Combined Effects of Settlement Density Patterns and Distance Decay, 38
- 2.6 Household Income: City of Toronto, 1981, 42
- 2.7 Expenditure Patterns by Income Groups, 1981, 43
- 2.8 Community Demographics: Toronto, 1981, 47
- 2.9 The Demographic Waves, 48
- 3.1 The Size of Retail Stores, 1971, 62
- 3.2 Determining the Scale of Operation, 64
- 3.3 The Bid Rent Curve, 80
- 4.1 Questionnaire on Shopping Centre Image, 99
- 4.2 Point-of-sale Data from Loblaws, 106
- 4.3 Shopping Mall Survey (Results), 108
- 4.4 Pedestrian Flows in a Regional Shopping Centre, 110
- 4.5 Examples of Mall Lay-out, 111
- 4.6 Links among Stores in a Retail Strip, 112
- 4.7 The Gravity Model, 116
- 4.8 Consumer Flow Patterns, 117
- 5.1 The Distribution of Market Size, 127
- 5.2 The Hundred Largest Markets in Canada, 1981, 128
- 5.3 Trade Areas, Canada, 1971, 130
- 5.4 Income and Demographic Variation among Urban Markets, 131
- 5.5 Retail Sales and Market Income, 1971, 132
- 5.6 The Logic of Central Place Theory, 138
- 5.7 Central Place Settlement Patterns, 142

- 5.8 A Central Place System in Southwestern Ontario, 144
- 5.9 Wholesaling Centres, 1981, 145
- 5.10 Location Strategies on the Settlement Scale, 150
- 5.11 Head Offices of Retail Chains, 154
- 6.1 Growth in Distribution Employment, 1931-1981, 160
- 6.2 The Changes in Demand, 162
- 6.3 Market Growth and Shopping Centre Development, 164
- 6.4 Urban Growth and Competitive Advantage, 165
- 6.5 The Changing Spatial Demand Curve, 170
- 6.6 Population Growth Rate and Settlement Size, Southern Saskatchewan, 1951-1971, 173
- 6.7 Changing Composition of Retail Sales, 175
- 6.8 Changing Operating Relationships, 176
- 6.9 Metropolitan Control in the Atlantic Provinces, 179
- 6.10 The Growth of the Knechtel Chain, 183
- 7.1 The Urban Market: Winnipeg, 186
- 7.2 The Retail Response: Winnipeg, 187
- 7.3 Planned Centres and Retail Strips, Toronto, 1983, 196
- 7.4 The Role of Downtown, 207
- 7.5 Retail and Service Clusters in Downtown Montreal, 210
- 7.6 Chain Location Strategies in Toronto, 212
- 8.1 The Changing Retail Environment, 217
- 8.2 The Changing Pattern of Consumer Demand: Winnipeg, 1961-1981, 222
- 8.3 The Growth of Planned Shopping Centres: Toronto CMA, 226
- 8.4 The Spread of Planned Centres: Metro Toronto, 1952-1985, 228
- 8.5 The Change in Drugstore Locations, 1974-1985, 231
- 8.6 Location Strategies of Selected Retail Firms, 233
- 9.1 Fluctuations in Economic Growth, 244
- 9.2 Sales and Profit in the Retail Sector, 247
- 9.3 The Limits to Economic Forecasting, 248
- 9.4 The Monthly Report from the Chain Outlet, 251
- 9.5 Population Growth: Toronto CMA, 1971-1981, 257
- 9.6 Temporal Variations in Interprovincial Migration, 259
- 9.7 The Techniques of Forecasting, 260
- 9.8 Impact Analysis, 265
- 9.9 Simulation Results, 268
- 10.1 Using Performance Ratios to Evaluate a Key Factor, 286
- 10.2 Location-Allocation Procedures, 296
- 11.1 Approaches to Trade Area Analysis, 300
- 11.2 Stages in the Construction of Thiessen Polygons, 303
- 11.3 Trade Areas for Brewers' Retail Stores: Ottawa, 304

- 11.4 Thiessen Polygons for a Chain of Fast Food Restaurants: Toronto, 305
- 11.5 A Market Profile: Vancouver's West End, 306
- 11.6 Customer Spotting, Market Penetration and Primary Trade Areas, 310
- 11.7 The Analogue Approach: Market Penetration and Distance, 318
- 11.8 Target Marketing: Francophone Yuppies in Ottawa, 321
- 11.9 Estimating Trade Area Population, 329
- 12.1 The Major Supermarket Chains in Montreal, 332
- 12.2 Decision Structures in the Corporate Environment, 333
- 12.3 Growth Strategies of Selected Retail Chains, 338
- 12.4 Gasoline Prices in Toronto, 342
- 12.5 The Theory of the Monopolist, 347
- 12.6 The Corporate Environment of The Hudson's Bay Company, 352
- 12.7 Corporate Strategy Alternatives to Fit a Firm's Circumstances, 353
- 12.8 The Growth-Share Business Portfolio Matrix, 354
- 12.9 The Growth-Share Matrix Applied to Canadian Retailers, 356
- 13.1 The Variety of Externalities, 368
- 13.2 The Configuration of Commercial Zoning: Scarborough, 372
- 13.3 The Eaton Centre in Toronto's Core, 390
- 14.1 The Elements of Consumer Demand, 396
- 14.2 The Star Wars Approach to Retailing, 400

List of Tables

Table

- 1.1 The Role of Retailing within the Canadian Economy, 1981, 2
- 1.2 The Variety of Retail Activity: Canada, 1981, 17
- 2.1 Major Metropolitan Markets, 41
- 2.2 Differential Expenditures among Income Groups, 1982, 44
- 2.3 Expenditures by Family Size, 48
- 2.4 Cultural-Location Differences in Consumer Expenditures, 1982, 52
- 3.1 Size and Concentration on the Supply Side, 56
- 3.2 Chains and Independents, by Type of Business, 57
- 3.3 The Growth of Franchising, 58
- 3.4 Major Canadian Shopping Centre Developers, 1985, 60
- 3.5 Components of the Retailer's Margin, 1981, 66
- 3.6 The Scale of Operation by Business Type, 68
- 3.7 The Importance of Large Retail Chains, 70
- 3.8 Major Canadian Retail Chains, 71
- 3.9 Retail Oligopoly in Winnipeg, 1979, 74
- 3.10 Concentration in Planned Centres, 77
- 3.11 The Role of Chains within Planned Centres, 78
- 4.1 Obtaining Data on Consumer Behaviour, 88
- 4.2 The Variety of Canadian Households, 1980, 90
- 4.3 Household Behaviour Groups, 91
- 4.4 Retail Business Types, 1971, 102
- 5.1 At the Lower End of the Retail Hierarchy: An Example, 133
- 5.2 Store Operating Ratios by City Size, 136
- 5.3 Order of Entry of Central Place Activities, 141
- 5.4 Spatial Scale of Operation: Retail Chains, 1979, 153
- 6.1 Changes in Retailing. 1931-1981, 158
- 6.2 The Convergence in Retail Activity by Market Size, 167
- 6.3 Retail Sales by Business Type: 1931 1971, 168
- 6.4 Growth of the National Chains, 178
- 7.1 The Variety of Metropolitan Retail Clusters, 190
- 7.2 The Relative Importance of Different Retail Clusters: Metro Toronto, 1983, 191
- 7.3 Shopping Centre Development in Canada, 193
- 7.4 Differences between Planned and Unplanned Centres, 194
- 7.5 The Hierarchy of Planned Shopping Centres, 199
- 7.6 Specialty Retailing Environments, 203
- 7.7 The Functional Mix of Retail Clusters: Edmonton, 214

- 8.1 Retail Change within the Metropolis, 218
- 8.2 The Change in Retail Structure: Metro Toronto, 1953-1983, 220
- 8.3 The Role of Older Shopping Areas: City of Toronto, 1953-1983, 223
- 8.4 Store Size in Planned Centres: 1976-1986, 232
- 9.1 Uncertainty in Retail Activity, 249
- 9.2 Compiling a Data Base, 255
- 9.3 Forecasting Urban Populations, 256
- 10.1 Site Selection: Key Factors, 275
- 10.2 Rules of Thumb, 279
- 10.3 Key Factors in the Gas Station Model, 280
- 10.4 A Site Ranking Scheme for a Trust Company, 282
- 10.5 Performance Indicators for Ontario Cities, 284
- 10.6 Site and Situation Variables for a Convenience Store Site Evaluation Model, 288
- 10.7 Key Factors Associated with High Weekly Sales for Each Retail Environment, 290
- 10.8 Stepwise Regression Models, 291
- 10.9 Comparing Site Evaluation Approaches, 297
- 11.1 Approaches to Trade Area Analysis, 302
- 11.2 The Vacuum Approach: Food Store, Peterborough, 308
- 11.3 A Regression Model of Market Penetration, 315
- 11.4 Lifestyles from Census Data, 320
- 11.5 Canadian Lifestyles: the Compusearch Approach, 322
- 11.6 Spatial Analysis or Behavioural Analysis?, 324
- 11.7 Comparing Trade Area Studies, 325
- 11.8 Sources of Data for Trade Area Forecasts, 327
- 12.1 Strategic Considerations, 337
- 12.2 Marketing Strategies for Service Stations, 340
- 12.3 Size and Profitability in Retailing, 341
- 12.4 The Fight for Market Share, 341
- 12.5 Measuring the Bottom Line: Canada 1981, 357
- 12.6 The Average Retail Firm, 1981, 359
- 13.1 Types of Government Intervention, 367
- 13.2 Commercial Land Use Groupings, 373
- 13.3 Interest Groups in the Shopping Centre Debate, 377
- 13.4 Retail Redevelopment Initiatives, 385
- 13.5 Downtown Redevelopment Projects in Canada, 388
- 14.1 Factors in Retail Change, 395
- 14.2 Areas of Innovation, 402
- 14.3 The Actors, 406
- 14.4 Parallels between Locational Analysis and the Study of Marketing, 411
 - B.1 Detailed Average Expenditure, by City, 424

List of Exhibits

	11	nı	т

- 1.1 The Market for Location Analysts, 10
- 1.2 The Revolution in Consumer Banking, 20
- 2.1 Bounding a Spatial Market, 30
- 2.2 The Ice Cream Vendors on the Beach, 39
- 2.3 What's New in Consumer Research?, 50
- 3.1 Economies of Scale: An Example, 63
- 3.2 The Dylex Tree, 74
- 3.3 The Ability to Pay Rent, 83
- 4.1 Approaches to Consumer Behaviour, 87
- 4.2 Consumer Behaviour Segments, 93
- 4.3 Student Perceptions of Retail Opportunities, 95
- 4.4 Comparing Shopping Centre Images, 100
- 4.5 Stocking the Supermarket, 104
- 4.6 The Mystery of Consumer Behaviour, 119
- 5.1 The Regularities of the Retail Hierarchy, 135
- 5.2 The Diffusion of Automated Teller Machines, 147
- 6.1 The Sources of Change in the Distribution System, 161
- 6.2 The Effect of Changing Mobility, 171
- 6.3 Eaton's Catalogue, 180
- 7.1 Negotiating a Lease, 197
- 7.2 West Edmonton Mall, 200
- 7.3 Hazelton Lanes, 204
- 7.4 Underground Toronto, 208
- 8.1 Downtown Toronto Expands, 224
- 8.2 Retail Change and Ethnic Transition: The Danforth, 19511981, 235
- 8.3 Portuguese Retailing in Toronto, 237
- 9.1 The Right Decision with the Right Information, 253
- 9.2 A Tale of Two Cities, 262
- 9.3 The Huff Model in the Central City, 266
- 10.1 The Divestment of Dominion Stores, 273
- 10.2 Key Factors in Gas Station Locations, 276
- 10.3 Comark: A Story of Expansion, 278
- 10.4 Location-Allocation and Gas Station Site Evaluation, 294

- 11.1 From Census Tract to Postal Code, 311
- 11.2 A Case Study of Market Penetration, 316
- 11.3 The Spatial Interaction Model, 317
- 12.1 Canadian Retail Acquisitions, 335
- 12.2 Market Segmentation, 344
- 12.3 Liquor Sales, 348
- 13.1 Sunday Shopping, 366
- 13.2 The Bloor Street Wind Tunnels, 370
- 13.3 City of Toronto Policies for Retail Strips, 375
- 13.4 The City of Barrie versus the Bayfield Retail Strip, 378
- 13.5 Planning Approval: The Knob Hill Farms Case, 380
- 13.6 The Beaches Conflict, 382
- 14.1 The Computer Network of a Major Canadian Retail Chain, 399
- 14.2 Shopping Innovations, 403
- 14.3 Even the Majors Make Mistakes!, 410