Contents

Preface vii

I ECONOMIC THEORY

- Rigorous Observational Positivism: Klein's Envelope Aggregation;
 Thermodynamics and Economic Isomorphisms 1
 Paul A. Samuelson
- 2 Equilibrium Business-Cycle Models: An Appraisal 39 Albert Ando
- 3 Socially Optimal Income Distributions 68 Lawrence J. Lau
- 4 Inflation and the Composition of Deficit Finance 84
 Nissan Liviatan

II ECONOMETRIC METHODOLOGY

- Comparison of the Densities of the TSLS and LIMLK Estimators for Simultaneous Equations 103
 T. W. Anderson, Naoto Kunitomo, and Takamitsu Sawa
- The Asymptotic Relative Inefficiency of Partially Restricted
 Reduced Forms 125
 Phoebus J. Dhrymes
- 7 The Existence of Moments of FIML and Other Restricted Reduced-Form Estimates 140
 Michael D. McCarthy
- Forecasting Theory for Hierarchical Systems with Applications to
 Models of International Trade and Payments 153
 Stefan Schleicher

III APPLIED MICROECONOMICS

The Aggregate Production Function and the Representative
 Firm 175
 W. Krelle

vi Contents

10	The Share of Services in Economic Growth	188
	Irving B. Kravis, Alan W. Heston, and Robe	ert Summers

11 Some Hard Economics of Soft Energy: Optimal Electricity Generation in Pulp and Paper Mills with Seasonal Steam Requirements 219 John F. Helliwell and Michael Margolick

IV APPLIED MACROECONOMICS: NATIONAL

- 12 Economic Management and Aggregate Supply 239R. J. Ball
- 13 Redistribution of Earnings by Unemployment and Inflation 262

 Jere R. Behrman and Paul Taubman
- Japan's Macroeconomic Policies During the 1970s 282Chikashi Moriguchi
- 15 Finance and Economic Growth: The Japanese Experience 296 Mitsuo Saito

V APPLIED MACROECONOMICS: INTERNATIONAL

- 16 A Global Model of Oil-Price Impacts 317F. Gerard Adams and Jaime R. Marquez
- 17 A Decomposition of International Income Multipliers 340 Bert G. Hickman and Victor Filatov
- 18 The Transmission of World Economic Expansion to an Open Economy: Some Experiments for Canada 368
 J. A. Sawyer, D. P. Dungan, and G. V. Jump
- 19 How Do European Short-Term Forecasters Predict? An Evaluation 393
 - J. Waelbroeck and D. De Roo

Contributors 414

Index 417