

CONTENTS

<i>Figures</i>	xi
<i>Tables</i>	xiii
<i>Contributors</i>	xvii
<i>Prefatory and introductory comments</i>	xix
<i>Acknowledgements</i>	xxi
<i>About the editor</i>	xxiii
<i>Abbreviations</i>	xxv

Part I International Finance and Multilateral Financial Institutions

1 CONTEMPORARY TRENDS IN THE INTERNATIONAL CAPITAL MARKETS	3
<i>Dilip K. Das</i>	
2 QUANTIFYING INTERNATIONAL CAPITAL MOBILITY IN THE 1980s	27
<i>Jeffrey A. Frankel</i>	
3 UNSTABLE CURRENT ACCOUNT BEHAVIOUR AND CAPITAL FLOWS IN DEVELOPING COUNTRIES	54
<i>Maxwell J. Fry</i>	
4 THE WORLD BANK IN THE 1990s	72
<i>Ibrahim F. I. Shihata</i>	
5 THE INTERNATIONAL MONETARY FUND'S ADJUSTMENT POLICIES AND ECONOMIC DEVELOPMENT	86
<i>Jacob A. Frenkel and Mohsin S. Khan</i>	
6 FINANCING IN EASTERN EUROPE AND THE FORMER SOVIET UNION: ISSUES AND INSTITUTIONAL SUPPORT	101
<i>Philippe Aghion and Robin Burgess</i>	

Part II The European Monetary Union

7 THE EUROPEAN MONETARY SYSTEM AND ITS FUTURE PROSPECTS	129
<i>Karl Otto Pöhl</i>	
8 EUROPEAN MONETARY REFORM: PROGRESS AND PROSPECTS	148
<i>Alberto Giovannini</i>	

CONTENTS

- 9 MONETARY POLICY IN AN EMERGING EUROPEAN ECONOMIC AND MONETARY UNION: KEY ISSUES 187
Jacob A. Frenkel and Morris Goldstein
- 10 A EUROPEAN CENTRAL BANKING SYSTEM: SOME ANALYTICAL AND OPERATIONAL CONSIDERATIONS 198
Niels Thygesen
- 11 THE ECONOMICS OF EMU 211
Directorate-General for Economic and Financial Affairs, Commission of the European Communities
- 12 ONE CURRENCY FOR EUROPE: FROM THEORY TO PRACTICE 243
André Fourçans

Part III World Equity Markets

- 13 TOWARDS THE THEORY OF WORLD STOCK MARKETS: AN OVERVIEW 257
Jorge R. Calderón-Rossell
- 14 MARKET EFFICIENCY AND EQUITY PRICING: INTERNATIONAL EVIDENCE AND IMPLICATIONS FOR GLOBAL INVESTING 291
Gabriel Hawawini
- 15 AN INTRODUCTION TO ASIAN CAPITAL MARKETS 319
S. Ghon Rhee, Rosita P. Chang and Roy Ageloff

Part IV Foreign Exchange Markets

- 16 INTERNATIONAL FINANCIAL INTEGRATION: RELATIONS BETWEEN INTEREST RATES AND EXCHANGE RATES 333
Jeffrey A. Frankel
- 17 FOREIGN EXCHANGE RATE EXPECTATIONS: MICRO SURVEY DATA 360
Takatoshi Ito
- 18 DETECTING STRUCTURAL CHANGES IN THE SPOT AND THE FORWARD FOREIGN EXCHANGE MARKETS: FROM JANUARY 1974 TO SEPTEMBER 1986 375
Hiroya Akiba and Tomoki Waragai
- 19 THE PURCHASING POWER PARITY CRITERION FOR STABILIZING EXCHANGE RATES 394
Kenichi Ohno
- 20 WAS THERE A TARGET ZONE? 416
Takatoshi Ito
- 21 WHY FLOATING EXCHANGE RATES FAIL: A RECONSIDERATION OF THE LIQUIDITY TRAP 425
Ronald McKinnon

CONTENTS

- 22 THE DEBT DENOMINATION DECISION 438
Robert Z. Aliber

Part V International Debt Issues

- 23 COUNTRY RISK AND THE STRUCTURE OF INTERNATIONAL
FINANCIAL INTERMEDIATION 451
Donald R. Lessard
- 24 ORGANIZING DEBT RELIEF: THE NEED FOR A NEW INSTITUTION 471
Peter B. Kenen
- 25 AN INTERNATIONAL DEBT FACILITY? 481
W. Max Corden
- 26 BEYOND THE DEBT CRISIS: ALTERNATIVE FORMS OF
FINANCING GROWTH 494
Donald R. Lessard
- 27 THE USA IN DEBT 511
Norman S. Fieleke
- 28 US BORROWING FROM JAPAN 536
Jeffrey A. Frankel

Part VI International Currency Markets

- 29 THE INTERNATIONAL USE OF CURRENCIES 553
Stanley W. Black
- 30 THE DEUTSCHE MARK AS AN INTERNATIONAL CURRENCY 566
George S. Tavlas
- 31 THE INTERNATIONALIZATION OF THE YEN 580
Dilip K. Das
- 32 INTERNATIONALIZATION OF THE KOREAN CAPITAL MARKET 592
Walter Mahler

FIGURES

1.1	Secondary market prices for developing country loans, 1986–April 1990	21
1.2	Asian and Latin American stock markets in dollar terms	22
2.1	US national saving (private saving plus government budget surplus), investment and current account; ten-year averages	31
2.2	US national saving, investment and current account	32
2.3	Dollar–pound real exchange rate 1869–1987, with period average	34
2.4	Financial liberalization in the UK: UK and Euro-dollar interest rates	41
2.5	Financial liberalization in Germany: German and Eurocurrency interest rates	41
2.6	Financial liberalization in Japan: Japanese and Euro-yen interest rates	42
3.1	Current account imbalances in Germany, Japan and USA	55
3.2	Current account imbalances in Korea, Sri Lanka and Taiwan	56
3.3	Domestic investment, national saving and the current account deficit	56
3.4	Life-cycle patterns of income, consumption and saving	58
3.5	Effect of rising foreign debt ratio on saving and investment ratios	65
3.6	Actual and simulated current account ratios in Korea, 1967–89	67
3.7	Actual and simulated current account ratios in Taiwan, 1963–87	67
3.8	Forecast current account ratio for Korea, 1989–2015	68
3.9	Forecast current account ratios for Sri Lanka and Taiwan, 1989–2015	68
8.1	The Italian lira, French franc and US dollar relative to the deutsche mark, 1959–89	149
8.2	The French franc in the European Monetary System, March 1979–December 1989	155
8.3	The Italian lira in the European Monetary System, March 1979–December 1989	155
8.4	Fluctuations in the lira–mark and franc–mark exchange rates, June 1973–December 1989	156
8.5	Inflation in France, Italy and Germany, January 1958–March 1989	157
8.6	Profitability of one-month investments: the franc relative to the mark, January 1981–May 1990	162
8.7	Profitability of one-month investments: the lira relative to the mark, January 1981–May 1990	162
8.8	Distribution of lira returns on shorting the mark: January 1981–June 1990	163
8.9	Profitability of one-year investments: the franc relative to the mark, January 1981–June 1989	163
8.10	Profitability of one-year investments: the lira relative to the mark, January 1981–June 1989	164
8.11	Franc interest rate and its ‘credibility bounds’, January 1981–June 1990	165

FIGURES

8.12	Lira interest rate and its 'credibility bounds', January 1981–April 1990	166
10.1	Domestic credit expansion and growth rates in nominal and real private final demand	202
11.1	Evolution of relative consumer prices in three monetary unions, 1950–88	217
11.2	Evolution of relative wage levels in three monetary unions, 1950–88	218
11.3	A graphical representation of alternative exchange rate regimes	224
16.1	Financial liberalization in Germany: German and Eurocurrency interest rates	335
16.2	Financial liberalization in Japan: Japanese and Euro-yen interest rates	336
16.3	Financial liberalization in the UK: UK and Euro-dollar interest rates	337
16.4	(a) The dollar and real interest rates; (b) US and foreign (G10) interest rates	348
18.1	Application of the AIC method for the detection of a structural change	377
18.2	Monthly observations of spreads between the three-month forward rate and the spot rate of the pound sterling	380
18.3	Monthly observations of spreads between the three-month forward rate and the spot rate of the French franc	380
18.4	Monthly observations of spreads between the three-month forward rate and the spot rate of the deutsche mark	381
18.5	Monthly observations of spreads between the three-month forward rate and the spot rate of the Swiss franc	383
18.6	Monthly observations of spreads between (a) the three-month forward rate and the spot rate and (b) the six-month forward rate and the spot rate of the Japanese yen	386
19.1	USA: internal price movements, 1960–88 (simulated with unchanging producer prices)	400
19.2	Japan: internal price movements, 1960–88 (simulated with unchanging producer prices)	401
19.3	Germany: internal price movements, 1960–88 (simulated with unchanging producer prices)	402
19.4	Nominal yen–dollar and mark–dollar rates	410
19.5	Wholesale prices	410
20.1	Yen–dollar rate in relation to five phases after the Plaza Agreement	417
20.2	Sliding zone experiment	422
21.1	Exchange rate overshooting with the interest rate immobile in the short run	430
21.2	Aggravated exchange rate overshooting with a perverse short-run adjustment in the interest rate	433
23.1	Impact of country risk on the risk premium: asset traded domestically and internationally	465
23.2	Impact of country risk on the risk premium: asset held exclusively by domestic investors	465
26.1	Modes of commercial finance	497
26.2	Debt relief and recontracting	504
27.1	Weighted average foreign exchange value of the US dollar, 1980–90	515
27.2	The current account and Federal budget deficits of the USA	525
27.3	The real exchange rate and the Federal budget deficit of the USA, 1973–89	526
28.1	Interest rates on the yen	538

TABLES

1.1	Selected economic indicators, 1982–9	4
1.2	Exchange rate volatility of major currencies with respect to the US dollar, 1984–9	5
1.3	Changes in cross-border bank claims and liabilities, 1983–1989.III	8
1.4	Change in interbank claims and liabilities, 1983–1990.III	10
1.5	Market for fixed rate bonds, 1985–9	12
1.6	Market for floating rate issues, 1985–9	13
1.7	Market for equity-related bonds, 1985–9	13
1.8	Gross international bond issues and placements by groups of borrowers, 1985–9	14
1.9	Early repayments of international bonds, 1985–9	15
1.10	Gross international equity flows, 1986–1989.I	17
1.11	International equity market – primary issues, 1984–8	18
2.1	The Feldstein–Horioka coefficient by decades: 1869–1987	30
2.2	The Feldstein–Horioka coefficient by years: 1929–87	31
2.3	The Feldstein–Horioka coefficient by years: 1955–87	32
2.4	Purchasing power parity between the USA and the UK	34
2.5	Real interest differentials (local minus Euro-dollar; three-month rates)	38
2.6	Country premia or covered interest differentials (local minus Euro-dollar; three-month rates)	40
2.7	Currency premia or real forward discounts	44
2.8	Return to forward exchange speculation	46
2.9	Real depreciation of currency	47
3.1	Current account imbalances in selected countries, 1972–89	55
3.2	Small-scale macroeconomic model of a representative developing economy	66
5.1	Cross-section estimates of growth and macroeconomic stability relationships	96
6A.1	European Bank for Reconstruction and Development financial structure: liabilities	118
6A.2	European Bank for Reconstruction and Development balance sheet	118
8.1	Intra-community trade relative to trade with the rest of the world, original European Community countries, 1960, 1970 and 1989	154
8.2	Changes in unit labour costs and in the exchange rate, France and Italy relative to Germany, 1980–9	158
8.3	Change in real compensation per employee, Germany, France and Italy, 1979–89	158
8.4	Productivity growth, Germany, France and Italy, 1982–9	158
8.5	Adjusted relative wages and terms of trade, France and Italy relative to Germany, 1979–89	159

TABLES

8.6	Balance of payments, Germany, France and Italy, 1983-9	159
8.7	Output growth and unemployment, Germany, France and Italy, 1983-9	160
8.8	Long-term government bond yields, Germany, France and Italy, 1979-90	167
8.9	Calibration of risk premia, for investors in selected currencies, 1981-9	169
8.10	Debt-GNP ratios, European Community countries, 1989	177
10.1	Ultimate and intermediate objectives of monetary and other macroeconomic policies and the instruments of monetary policy	199
11.1	Major features of 1992 and economic and monetary union	211
11.2	The economic meaning of the principle of subsidiarity: assigning tasks to the Community on efficiency grounds	212
11.3	Six differences between a single currency and irrevocably fixed exchange rates	215
11.4	Indicators of city and regional inflation divergence within Canada	216
11.5	Major features of the three stages of economic and monetary union	220
11.6	Realignments in the European Monetary System, 1979-89	222
11.7	Economic and monetary union and the theory of optimum currency areas	227
11.8	Major categories of effects of economic and monetary union	230
11.9	Measurement issues in the cost-benefits analysis	233
11.10	Assumptions and methods of quantitative evaluations of economic and monetary union	235
11.11	Macroeconomic models for simulations of economic and monetary union	237
11.12	A schematic presentation of costs and benefits of alternative exchange rate regimes	239
14.1	International evidence of daily seasonality in stock market returns	299
14.2	International evidence of monthly seasonality in stock market returns	301
14.3	International evidence of a size premium	303
14.4	International evidence of seasonality in the size premium	306
14.5	Risk and return characteristics of the largest and smallest size portfolios which have been partitioned into four subportfolios ranked by decreasing magnitude of their risk (β coefficient) in Japan and Belgium	308
14.6	Estimation of average risk premium and the average size premium based on the relationship $[\text{RETURN}_p]_t = \gamma_0 + \gamma_1[\text{BETA}_p]_{t-k} + \gamma_2[\text{SIZE}_p]_{t-k}$	309
14.7	A strategy for US investors to exploit the January size premium on the Tokyo Stock Exchange	311
14.8	Opportunities for international diversification across large and small capitalization portfolios	312
14.9	Risk and return characteristics of alternative international diversification strategies across large and small portfolios over the period 1977-86	313
15.1	Market size (as of December 1989)	320
15.2	Trading volume (as of December 1989)	321
15.3	Asian stock market indices (as of December 1989)	321
15.4	Summary statistics of Asian market portfolio returns (January 1980-December 1989)	322
15.5	Summary statistics of Asian market portfolio risk (January 1980-December 1989)	323
15.6	Correlation matrix: local currency return (January 1980-December 1989)	324
15.7	Correlation matrix: US dollar return (January 1980-December 1989)	324
15.8	Price-earnings ratios and dividend yields (as of December 1989)	325
15.9	Brokerage fees and other costs (as of December 1989)	325
15.10	Trading hours and trading days (as of December 1989)	326

TABLES

15.11	Control of foreign exchange and foreign ownership (as of December 1989)	327
15.12	Withholding tax rates of foreign investors (as of December 1989)	328
16.1	Regressions of absolute covered interest differential against constant and trend, monthly data, September 1982–April 1988	338
16.2	Test for time-varying risk premium, ordinary least squares regression of expected depreciation on forward discount, June 1981–August 1988	341
16.3	Increased variances in the 1980s	342
16.4	Correlations among interest rates and stock prices, monthly data	343
16.5	Forecasting the inflation spread (twelve-month minus three-month) from interest rate term spreads, monthly observations, January 1955–December 1988	343
16.6	Techniques used by exchange rate forecasting services	350
16A.1	Exchange rate regressions	353
17.1	Time mean of $s_i^*(t, k) - s_i(t)$, May 1985–June 1987 (number of observations, 51)	362
17.2	Unconditional expected change, distribution among individual respondents of the time mean of forecasted changes in the exchange rate over the specified horizon	362
17.3	Group deviations from the total average, for each horizon	364
17.4	Wishful expectations, distribution of individual effects	364
17.5	Idiosyncratic effects: extrapolative form	365
17.6	Tests of rational expectations	368
17.7	Expectation formation, extrapolative expectation with one lag	370
17.8	Consistency tests	371
18.1	The UK: three-month spot–forward spreads	378
18.2	France: three-month spot–forward spreads	379
18.3	West Germany: three-month spot–forward spreads	381
18.4	Switzerland: three-month spot–forward spreads	382
18.5	Japan: (a) the three-month spot–forward spreads; (b) the six-month spot–forward spreads	384–5
18.6	Comparison of points in time of structural change, January 1974–September 1986	385
18.7	Comparison of points in time of structural change, January 1974–August 1985	387
18.8	Comparison of points in time of structural change, forward rate	387
19.1	Purchasing power parity estimates for 1990.I	413
23.1	Sources and dimensions of country risks	453
23.2	Incidence of country risk by type of claim	456
23.3	Sources of comparative advantage in international risk management	458
23.4	Comparative advantage in international risk management	459
24.1	Discounts on the debts of fifteen heavily indebted countries	472
27.1	International investment position of the USA at year-end, 1970–89	512
27.2	The US net international investment position: summary of changes during 1989	512
27.3	Net international investment position of the USA by area at year-end, 1981 and 1988	513
27.4	US balances on selected components of international current account transactions, 1970–89	514
27.5	Output per labour hour in manufacturing in selected industrial countries, 1970–88	516
27.6	Shares (as a percentage) in value of world manufactures exports	518
27.7	US and OECD GDP and US trade balance, 1981–9	518
27.8	Real GNP and real domestic demand in the USA and other OECD countries, 1981–9	519

TABLES

27.9	US merchandise trade, by major trading partners or areas, 1980 and 1987	520
27.10	US merchandise trade, by major end-use category, 1980 and 1987	521
27.11	Major categories of saving and investment as a percentage of GNP for the USA, 1970-90	523
27.12	Capital transactions in the US balance of payments, 1980-9	527
27.13	Percentage changes in US real output during recessions and the succeeding expansions, 1969-90	528
27.14	Selected debt burden indicators for the USA and other countries, 1989	529
27.15	Net US interest burden from external debt under differing assumptions	531
29.1	Currency distribution of world trade	555
29.2	Percentage of Japanese total trade invoiced in yen and other currencies, 1970-87	555
29.3	Shares of world exports	556
29.4	International bonds outstanding by currency of issue	556
29.5	International bank assets by nationality of bank	557
29.6	International bank assets by location of bank	557
29.7	The currency composition of banks' external assets	557
29.8	The currency composition of banks' foreign exchange market turnover	558
29.9	Share of national currencies in total identified official holdings of foreign exchange, end of year, 1979-89	559
29.10	Currency distribution of foreign exchange intervention by countries in the European Monetary System exchange rate arrangements	560
30.1	The roles of an international currency	567
30.2	Inflation and inflation variability	568
30.3	Currency invoicing of German foreign trade	571
30.4	Currency composition of turnover in major foreign exchange markets	572
30.5	Intervention in the European Monetary System in deutsche marks	573
30.6	Currency distribution of foreign exchange intervention	573
30.7	Foreign deutsche mark claims	574
30.8	Relative shares based on external capital market data	576
30.9	Currency shares of official exchange holdings, 1980-9	577
31.1	International positions by nationality of ownership of international assets, 1985-90	581
31.2	Yen invoicing of Japanese trade, 1975-89	583
31.3	Currency breakdown of exchange reserves, 1980-9	586
31.4	Current valuation of the special drawing rights basket	587
31.5	Yen- and foreign-currency-denominated funds raised by non-residents	587
31.6	Currency structure of international bond issues, 1986-90	589
31.7	Currency composition of foreign currency holdings for the reporting banks of the Bank for International Settlements	589
32.1	Korea: progress in capital market internationalization	593
32.2	Korea: investment by foreigners in Korean securities, 1981-8	593
32.3	Outline of international investment trusts	596
32.4	Outline of convertible bond issuing terms and conditions	598
32.5	Performance of portfolio foreign investment and convertible bonds	599
32.6	Premia or discounts of country mutual funds listed in stock exchanges in the USA	600
32.7	Korea: comparison of country fund premia	600
32.8	Korea Fund and Korea Europe Fund data, 1984-9	602