

CONTENTS

1. <i>Financial Sector Reforms and Monetary Policy In Zambia</i>	1
1.1 Introduction	3
1.2 Theoretical Foundations For Financial Reforms	3
1.2.1 Financial Reforms	3
1.2.2 Monetary Reforms	8
1.3 Summary and Conclusions	22
2. <i>Monetary Policy Reforms and the Transmission Mechanism in Zambia</i>	25
2.1 Introduction	27
2.2 Literature Review	28
2.2.1 Theoretical Review	28
2.2.2 Mechanisms in Developing Countries	31
2.2.3 Empirical Review	32
2.3 Monetary Policy Implementation	36
2.4 Methodology	40
2.5 Data	46
2.5.1 GDP	46
2.5.2 Price Level	46
2.5.3 Monetary Aggregates	48
2.5.4 Liquid Asset Ratios	49
2.5.5 Nominal Exchange Rate	51
2.5.6 Interest Rates	52
2.6 Estimation Results	53
2.6.1 Forecast Error Variance Decompositions	55

2.6.2	Response Functions	58
2.6.3	Effect of the Reforms	61
2.7	Summary and Conclusion	68
2.8	Appendix A: Impulse Response Functions	71
2.9	Appendix B: Sources Of Data Variable	76
3.	<i>Can Money Tell Us About Inflation? Evaluating the Information Content of Money For Predicting Inflation in Zambia</i>	<i>77</i>
3.1	Introduction	79
3.2	Monetary Developments and Inflation After the Reforms	80
3.3	Conceptual Framework	83
3.3.1	Interest Rates	85
3.3.2	Exchange Rates	86
3.4	Review Of Literature	87
3.4.1	Methodological Issues	87
3.4.2	Empirical Review	88
3.5	Empirical Methodology	91
3.5.1	Auto Regressive Analysis	92
3.5.2	Single Equation Estimation	93
3.5.3	Data	96
3.6	Estimation Results	101
3.6.1	Forecasting	102
3.6.2	Inflation Equation	107
3.7	Does Money Tell Us Anything About Inflation In Zambia?	111
3.8	Summary and Conclusion	115
4.	<i>Foreign Exchange Intervention and the Exchange Rate In Zambia</i>	<i>126</i>
4.1	Introduction	128
4.2	Theory Of Intervention	129
4.2.1	Sterilised Intervention	130
4.3	Foreign Exchange Intervention in Zambia	132

4.4	Methodology	136
4.4.1	Data	138
4.5	Estimation and Results	143
4.5.1	Is Intervention Sterilised?	143
4.5.2	Does Intervention Affect the Exchange Rates?	146
4.6	Summary and Conclusion	152

LIST OF FIGURES

1.1	Inflation and Interest Rates 1970-1983	13
1.2	Inflation And Interest Rates (1984-2001)	18
2.1	Real GDP Pre and Post-Reform	47
2.2	Consumer Price Index and Inflation	48
2.3	Monthly Growth in Monetary Aggregates	49
2.4	Actual and Required Asset Ratios	50
2.5	The Nominal Exchange Rate	51
2.6	Interest Rates	52
2.7	Commercial Bank Loans	53
2.8	Pre-reform mechanism one	60
2.9	Post-reform mechanism one	61
2.10	Pre-reform Mechanism One	71
2.11	Pre-reform Mechanism Two	72
2.12	Pre-reform Mechanism Three	72
2.13	Pre-reform Mechanism Four	73
2.14	Post-reform Mechanism One	73
2.15	Post-reform Mechanism One b	74
2.16	Post-reform Mechanism two	74
2.17	Post-reform Mechanism Two b	75
2.18	Post-reform Mechanism Three	75
2.19	Post-reform Mechanism Four	76
3.1	Annual CPI Inflation	83
3.2	Prices and Output	98

3.3	Monetary Aggregates	98
3.4	Interest Rates	99
3.5	Foreign Prices and Exchange Rates	100
3.6	Domestic Debt	101
3.7	12-Month Moving MAPES	105
3.8	Cumulative MAPEs	105
3.9	Deposit -Credit Ratio	112
3.10	Price Level Correlation Function	117
3.11	12-Month and Cumulative MAPEs	118
3.12	Recursive Diagnostics-Dollar Rate	124
3.13	Recursive Diagnostics-Rand Rate	124
4.1	Weekly Intervention and the Exchange Rate	136
4.2	Monthly Series in Logs	141
4.3	Growth in the Monthly Series	142

LIST OF TABLES

1.1	Targets and Realisations for Money and Inflation	22
1.2	Selected Economic Indicators (1970-2001)	24
2.1	Output and Price Variance Decompositions -Pre Reform Period .	56
2.2	Output and Price Variance Decompositions -Post Reform Period	57
2.3	Sources of Data	76
3.1	% Growth in Broad Money and Its Components	82
3.2	Target and Actual Inflation rate (1994-2001)	82
3.3	Unit Root Tests	97
3.4	Mean Absolute Percentage Errors (1998-2001)	103
3.5	Error Correction Model of Inflation With M2 1994:1 To 2001:12 .	110
3.6	Cointegrating Relationship for M2	119
3.7	Co-integrating Relationship for The Rand Exchange Rate	120
3.8	Co-integrating Relationship for the Dollar Exchange Rate	121
3.9	Sources Of Data	125
4.1	Descriptive Statistics Monthly Series	140
4.2	Descriptive Statistics Weekly Series	143
4.3	OLS Regression of Base Money	145
4.4	OLS Regression of the Exchange Rate	147
4.5	GARCH Estimation of the Exchange Rate	149