## Contents

Acknowledgements \hspace{1cm} v

1 Introduction \hspace{1cm} 1

2 Survey of the Literature \hspace{1cm} 5

2.1 Before Keynes \hspace{1cm} 5

2.1.1 Representative money and neutrality \hspace{1cm} 5

2.1.2 A simple exchange economy \hspace{1cm} 8

2.1.3 Real effects of monetary changes \hspace{1cm} 13

2.1.4 The demand for money \hspace{1cm} 19

2.1.5 Wicksell and his pure credit economy \hspace{1cm} 25

2.2 Keynes \hspace{1cm} 28

2.2.1 Treatise and chartalism \hspace{1cm} 28

2.2.2 General Theory \hspace{1cm} 32

2.2.3 Determination of the nominal interest rate \hspace{1cm} 33

2.2.4 Money and real variables \hspace{1cm} 42

2.2.5 The stock of money and the interest rate \hspace{1cm} 50

2.3 Monetarism \hspace{1cm} 52

2.3.1 Friedman's 'restatement' of the quantity theory \hspace{1cm} 55
Contents

2.3.2 The natural rate of unemployment ...................... 58

3 The Means of Exchange Function .......................... 65

3.1 Introduction ............................................. 65

3.2 Necessary conditions for monetary exchange ............. 71

3.2.1 Decentralization and control ......................... 71

3.2.2 Specialisation ....................................... 72

3.2.3 Information and utility constraints ................... 73

3.2.4 Conclusion ............................................ 76

3.3 Valueless money and explicit search ..................... 76

3.3.1 The model ............................................ 77

3.3.2 The optimization problem ............................ 79

3.3.3 Non-monetary equilibrium ............................ 81

3.3.4 Monetary equilibrium ................................ 82

3.3.5 Welfare ................................................ 83

3.4 Conclusion ............................................... 85

4 The Cashless Economy ....................................... 87

4.1 Introduction ............................................. 87

4.2 The model ............................................... 88

4.3 Expectations ............................................. 90

4.3.1 Bankruptcy .......................................... 91

4.4 Equilibrium .............................................. 93

4.4.1 Continuity ........................................... 93

4.4.2 Boundary conditions ................................. 94
Contents

4.5 Overlapping generations models of money with perfect foresight .............................................. 98
  4.5.1 Monetary equilibria and Pareto optimality ......................................................... 99
  4.5.2 Critique ........................................................................................................ 103
4.6 Conclusion ........................................................................................................ 105
4.7 Proofs .............................................................................................................. 106
  4.7.1 The budget correspondence ........................................................................ 106
  4.7.2 Individual optimisation .............................................................................. 110
4.8 Aggregate demand ........................................................................................ 112

5 Conclusion ........................................................................................................ 120

Bibliography ........................................................................................................ 125