Index

absolute exchanges 134, 136
absolute prices determination 155
acceptation 76–7
accommodating behaviour of banks 24
accommodationism (horizontalism) 17–18
interest rate determination 279
accommodationist approach to endogenous money
  banks’ behaviour 24–5
  credit rationing 24–5
  high-powered money supply 23
  modern operating procedures 18–23
  stock-flow consistent macroeconomic models 25–8
  structuralist theory, comparison with 43–8
  structuralists, critiques by 17–18
adverse selection 309, 310, 355
Africa 72–4
aggregate demand 155, 165, 172, 176–7, 178, 242
aggregate demand curve 144
aggregate supply–aggregate demand function analysis 143–4
aggregate supply curve 144
Akerlof, G.A. 248
alienated property 491
America see USA
American dollar see US dollar
amortization 131
Anderson, R.G. 58
antichresis 502
Arestis, P. 30, 166, 167, 359
Arrow, K.J. 149
as-yet unsold output 130, 131
Asian financial crises 166, 167, 395–6, 403, 409, 411
  see also financial crises
asset-based financial systems 18–22, 29–30
  Canada 19–21
  USA 21–2
asset-based reserve requirements (ABRR) 251–4
asset-liability 124, 125
asset price bubbles 250–51, 460, 464, 465
asset price speculation 387, 458–63, 466
asymmetric information 355–6, 388
attached accounts 174–5
Australia 19
auto-economy see asset-based financial systems
Bagehot, W. 262–3
Bagehot’s Rule 267
balance of payments
  constraints 484
  speculative crises 167
balance of payments crises 475–6
bancor 134
bank deposits 40, 128
Bank for International Settlements (BIS) 381
Bank Holding Company Act (1956) 373
bank innovations 42, 43, 372–4
bank liabilities 44, 93–4, 372
bank loan demand 63–4, 175–6
bank notes 262, 499, 500, 503
Bank of Canada 19–21, 30
Bank of England 54, 56, 201, 236
bank rate 476
bank regulation 43, 365–8
bank reserves 13
bank runs 259–60, 263, 267
banking crises 259–60, 263, 348–9, 350
  heterodox approaches 388–91
  orthodox approach 388
banking sector and financial bubbles 433
banking system 202
  structure of 36, 38–9
bankruptcies 164, 177
banks
  bookkeeping structure of 122, 130, 131
  as creators of money 109–10
  influence on monetary conditions 40–42
  non-accommodation by 24
  role of 93, 291–2, 340
  role of, in developing countries 304–5 see also India; South Korea
  see also central banks
Baranzini, M. 130, 136
Barro, Robert 233, 234
barter economy 75, 449, 501
bear market 463
beauty contest analogy 460–61
behavioural finance theory 430–31, 459
Benston, George 366–7
Biefang-Frisancho Mariscal, I. 58
Big Bang general equilibrium analysis 139–40
Blinder, A. 314, 316, 317
Bodin, Jean 472
bonds 63, 64, 79, 182

509
book-entry money 122
bookkeeping 93, 94
boom 164, 505
borrowers’ perception of risk 41
borrowing 79–80
Boyer-Xambeu, Marie-Thérèse 7
Braithwaite, R.B. 443
Brazilian crisis 403
Bresciani-Turroni, Constantino 474–5
Bretton Woods system 11, 133, 134, 375, 391–2
broad credit channel 213
broad money 60–61, 176, 184–5
bubbles see financial bubbles
buffer stock employment model 82
buffer stock mechanism 83
bullionist debates 472–3
burdened assets 490, 491–2, 497
Burstein, M.L. 277–8
business and the cost of funds 207–16
business cycle 173–4, 180, 389, 455
and accumulation 505
asset prices behaviour 462–3
expansion 369, 459, 464
investment theory 157

C–M–C (sale of
commodities–money–purchase of
commodities) 192, 195
C–M–C’ economy 449–50
C-theory see Chartalism
calculated probability distributions 140
cambist approach to exchange rates 29
Cambridge capital controversies 45–6
Canada 19–21, 30
Caner, A. 359
capital 90–91, 195
capital accumulation 127, 128, 130–32, 195, 197, 198
capital adequacy ratios 39, 42, 269
capital assets 163, 164
capital controls 166
capital flows 217
capital inflows 135, 166, 397
capital outflows 135, 166
capitalist finance 196–8
capitalist market system 365–6
capitalist mode of production 195
capitalization 200
Caporale, G.M. 61
cash crop production 73
cash reserves 110
catastrophe theory 430
causality 354–5
Cencini, A. 125, 130, 136
central banks
credibility 340–41, 501
development of 38
discount rate 175–6
independence 237–8, 239
influence on monetary conditions 40
interest rate operating procedures 243
lender of last resort limitations 270
lender of last resort role 260, 261–3, 264, 265
liquidity management 265
moral hazard solutions 267–9
role of 13
supply of high-powered money 23, 259, 260, 265
and too-big-to-fail doctrine 266–7
see also European Central Bank; Federal Reserve
certificates of credit 108
certificates of deposit (CDs) 372, 373–4
channel systems 19–21
chaos theory 430
Chartalism
chartal nature of money 72, 73–4
employment/unemployment 81–2
fiscal policy 79–80
functional finance 82–4
high-powered money 77, 78, 79–80
history of money 71–3
and metallism comparison 74–6
modern currencies 70–71
money, role of 70
nature of money 70
social debt relations 70, 76–7
state, role of 72–3, 76–9, 81, 82–4
taxation 73–4, 77–9
Chick, V. 46, 62
Chile 410
Chilean model 414–15
China 413
circuit theory 87, 105–6, 450–51
bank as money creator 109–10
closure of circuit 111–13
distribution theory 115
economic policy 98–101
employment 114–16
general significance 87–92
monetary flows 110–11
monetary theory 92–8, 107–9
money market–financial market distinction 113–14
production 114–18
and unemployment 98–101
class conflict 486
class struggle 202–3
classical axioms 143
classical real-exchange economy 92
classical theory of interest 279, 281–2
closed economies 112, 114, 146, 166, 394
Clower, R. W. 145, 151
CMSA (constant-money-stock-assumption) 332, 337
Coghlan, R. 28
coins 7–11, 75
Colombia 410
command systems 493–5, 496
commercial banks
balance sheet 258
and lender of last resort 260–63
lending policies 182
liquidity management 259, 264–5
and moral hazard 260–61
commercial paper 317, 372
Commission on Financial Structure and
Regulation (Hunt Commission) 376–7
commodities circulation 189–95, 192–3
commoditization of labour-power 202
commodity exchange 189–90
commodity money 93
commodity prices stability 191
compensation mechanism 29, 30
Competition and Credit Control 54, 229
complexity theory 430
confidence crisis 177
conflict theory 387
conspicuous consumption 432
constant balance sheet value 174
constant-money-stock-assumption (CMSA) 332, 337
constrained demand 143–7
constructive ambiguity strategy 268, 269
consumer borrowing 216–17
consumption 136, 155, 157
contagion 259, 395, 407, 409, 413
Continental Illinois Bank 266
contractionary monetary policy 314, 316, 317, 480
contractual settlement 141
conventional valuation 430, 431
Cook, Robert M. 8
cooperative economy 108
corridor system see channel systems
Corsetti, Giancarlo 395
cost-based theories of business investment 207–12
cost-determined price sector 357–8
cost-push channel 216
cost-push theory of inflation 471, 482, 486
Cottrell, A. 36
covered interest parity condition 29
cowrie shells 73–4
Crawford, Michael H. 8
credible disinflation 480
credit 195
demand for 173
Credit Authorization Scheme (CAS) 298
credit contract 491–2, 498–9, 502–3
credit creation 41, 42–3, 44
credit demand curve 24, 46–7
credit economy model 108
credit expansion 173
by a single bank 176
credit inflation 173, 174
credit markets
intermediation in 388
and money market interaction 46–8, 47, 49
credit money 44, 93
and investment 173–6, 177, 367
credit rate 174–5
credit rationing 24–5, 46, 114, 307–8
New Keynesian framework 308–19, 318–19
New Keynesian framework, assessment of 319–21
New Keynesian, macroeconomics 311–18
New Keynesian, microeconomics 309–11
Post-Keynesian alternatives 321–3
Post-Keynesian perspective 323–5
credit risk 301, 302
credit supply curves 24, 26–7, 45, 46, 48
credit systems 194, 198–9
centralized management 201
specific to capitalism 197–8
credit transactions 194
creditworthiness 24
Cripps, F. 24
crisis channel 359
cross-border contagion 412
cross-border lending 393–4, 395
cross-border transactions 134, 135–6, 217
curb effects 356
currency 4, 13
depreciation 390, 483
currency convertibility 412–14
currency crises 167, 393–5
currency risk 404–5, 409, 410
currency-speculative induced crises 167
current account deposits (M1) 185
custumary systems 493–5, 496
Cuthbertson, K. 59
‘d to e’ crisis 163–5, 166
Davidson, P. 99, 208, 215, 446–7, 466
Davies, Glynn 12
de jure contract 492
Debate with His Critics (Friedman) 147
debt bubbles 250–51
debt commitments 164, 166
debt contracts 7, 497, 503
debt deflation 164, 165, 166, 167, 389
debt instruments 12
debt pyramid 77, 250
debt ratios 25–6
defensive operations of central banks 20–22
definitive money 70, 72
deflation 132
  cumulative process of 455
Deleplace, Ghislain 7
delocalization 100
demand
  for cash reserves 110–11
  for credit 55, 57, 58, 62–3, 173
  for money 62–3, 110–11, 178
  for money function 28
  for money in circulation 174–5
demand deficiency 98, 99
demand-determined price sector 357–8
demand function 183
demand management 239
demand-pull theory of inflation 471, 477, 486
demand-side policies 101
deposit accounts (M2/1) 185
deposit insurance 263, 266, 267, 366, 370, 381–2, 392
depository institutions 370, 380
depression 164, 165, 166
deregulation 167, 245–6, 269, 365
  in post–World War II USA 368–72, 378–82
  see also financial liberalization
destructive ambiguity strategy 269
deterministic bubble 422
developing countries
  balance of payments problems 483
  banks, role in 293–4
  contagion risk 407, 412
  currency convertibility 412–14
  currency risk 404–5, 410
  debt commitments 167
  economic growth, impediments to 292–3
  financial crises 393–6
  financial liberalization 167, 203, 348, 351–2, 360, 396
  flight risk 406, 410–12
  fragility risk 166, 167, 406–7
  inflation 480, 483–4
  neoliberal financial reform risks 403, 404–8
  neoliberal reform, risk reduction policies 415–17
  sovereignty risk 407, 413
  see also India; South Korea
development-amplifying processes 156, 162–4, 166
Diamond, Douglas W. 386
Dickens, W.T. 248
Dijon–Fribourg School 121
disaster myopia 389, 392
disequilibrium 111, 112
disinflations 480
distribution 114–18, 357
distributive conflict 473–4, 476, 482, 485
dollar standard 29, 133
domestic standard of prices 191
double-entry bookkeeping 94, 124
Dow, S.C. 46, 367
Dowd, Kevin 365–6
dual decision hypothesis with coordination failure 145
durable assets 142
Dybvig, Philip H. 386
dynamic inconsistency 479–80
‘e to d’ crisis 166, 167
East Asian crises 166, 167, 395–6, 403, 409, 411
ECB (European Central Bank) see European Central Bank
École de Dijon et Fribourg 121
economic growth–financial development relationship 346–8, 351–3, 361–2
causality, difficulty with 354–5
financial policies 360–61
Economist’s Disease 150
effective demand 127, 144, 146, 155
  Keynes’s theory 146
  principle of 99–100, 126–7
effective supply failures 316
efficient market hypothesis (EMH) 422–5, 429–30
Eichner, A.S. 21, 30
elasticity properties 146–7
elementary form of value 189
EMH (efficient market hypothesis) 422–5, 429–30
emission of international money 133
employer of last resort (ELR) 82–3
employment 114–18
  equilibrium 118, 143
  programmes 82–3
  see also full employment; unemployment
employment determination 89–90, 99
EMU (European Monetary Union) 83, 132–3, 135, 237
  and lender of last resort 269–70
encumbered assets 491–2
endogenous money
  accommodationist/horizontalist see accommodationist approach to endogenous money
bank loans demand, empirical evidence 53–9
central bank rate–market interest rate link 63–4
credit demand–money demand reconciliation 62–3
loans–deposits link, empirical evidence 59–62
structuralist see structural endogeneity
endogenous variables 21, 25
entrepreneurial capital 179–80
entrepreneurial economies 89, 90, 124, 141, 143
entrepreneurs 99, 101, 196–7, 210–11, 503–4
equilibrium employment 118, 143
equilibrium full employment 155
equilibrium in monetary economy 111–13, 118, 477
equivalent form of value 189
ergodic axiom 143, 150
ergodic hypothesis 424
ergodicity 208
ERM (Exchange Rate Mechanism) 234, 235
Essential Properties of Interest and Money 146–7
EU (European Union) 77, 133, 135
euphoria 164, 167
euphoric economy 162
euro 77, 133, 135, 203–4
Euro-zone 35, 83, 135
Eurodollar loan 373
Eurodollar market 372, 379
Eurodollars 375
European Central Bank (ECB) defensive operations 21
as fiscal agent for Euro-zone 83
interest rate fluctuations 22
and lender of last resort 269
monetary policy 135, 238, 344
role of 269
see also central banks
European clearing institution 135–6
European monetary integration 135–6, 165
European Monetary System 234
European Monetary Union (EMU) 83, 132–3, 135, 237
and lender of last resort 269–70
European single currency 101, 135, 165
European Union (EU) 77, 133, 135
ex ante fundamental value 428, 430, 435–6
ex post fundamental value 429, 435
excess-bearish factor 334–5, 337, 457–8
excess money supply 28
exchange rate 134, 217–18
crisis 166
fluctuations 133
issue 132–3
stability 136
volatility 168, 391
Exchange Rate Mechanism (ERM) 234, 235
exchange-values 126, 189, 190
of gold 191
exogenous pricing 80–81
expansion 164, 165
expansionary monetary policy 315, 315–16, 318
expectations-augmented Phillips curve 224, 229, 478
expectations management 337–40
expectations theory 279
extended form of value 189
fair rate of interest 286–7
fear-of-capital loss theory 220–21
Federal Deposit Insurance 266
federal funds rate (FFR) 22, 218–19
Federal Reserve 78, 80, 226, 344, 370–71
defensive operations 21–3
feudal systems 491, 493
fiat money 11–12, 386
fictitious capital 200
figurative debt 114
FIH see financial instability hypothesis
final finance 111, 113
final payment 122
causality, difficulty with 354–5
financial policies 360–61
finance motive 96, 110, 183
finance motive debate 329, 330, 331
financial bubbles 420, 436
empirical evidence 429–33
historical analysis 431–3
implications of 433–5
policy 433–5
possible avoidance 435
presence and causes, identification of 429–33
psychological analysis 430–31
statistical analysis 429–30
theory 420–28
financial capital 199–200
financial capitalist 197
financial conservatism 167
financial crises 385, 391–3
‘d to e’ crisis 163–5, 166
in developing countries 348–9
‘e to d’ crisis 166, 167
global 393–6
heterodox theories 388–91, 393
Minsky’s analysis 163–5, 389
orthodox theory 388
see also Asian financial crises; savings and loans (S&Ls)
financial deepening 394
financial deregulation 167, 245–6, 269, 365
in post World-War II USA 278–382, 368–72
see also financial liberalization
financial development–economic growth relationship 346–8, 351–3, 361–2
causality, difficulty with 354–5
financial policies 360–61
financial flows 135
financial fragility 166, 216, 390
financial gaps 387
financial innovation 27, 245–6, 342
financial instability 42, 154–6, 263–7
financial instability hypothesis 41–2, 162, 163–8, 368–9
financial intermediaries 94, 95, 96
financial liberalization 167, 348–9, 378–80, 393–4
and financial crisis link 395–6
policy implications 351–3
and poverty 358–9
problems with 353–61
see also financial deregulation
financial market 113–14
financial markets economy see asset-based financial systems
financial policies 360–61
financial re-regulation 379
financial regulation 365–8, 369–71
financial stability 155
financial systems
asset-based 18–22, 29–30
bottlenecks 164
overdraft 18–19, 21
robustness of 156, 165
financial theory of investment 156–62
FINE study 377, 379
firms
and circuit theory 94–8, 106–7
debt commitments of 164
expansion of 179–80
production 114–15
first-generation model (FGM) of currency crises 394–5
fiscal policy 79, 80, 166, 228
Fisher, I. 276, 505
fixed annuities 421–2
fixed capital 130–31
fixed exchange rate regimes 29, 83
fixed exchange rate stabilization programs 480
fixed exchange rates 20, 77, 375
flexible exchange rates 375
flight risk 405–6, 409, 410–12, 413
flow of funds (FoF) identity 59, 60
Fontana, G. 25
foreign currency 77, 166, 167
foreign exchange markets 133, 375
foreign exchange rates 19–20, 361
foreign exchange transactions 167–8
foreign exchange volatility 135
foreign interest rates 167
foreign reserves 29–30
formal logic 444
forms of value 189
Forstater, M. 74
forward contracts 141, 143
fragility risks 406–7, 412, 413
France 100, 101
free banking 355, 365–6
Free Banking School 269
French circuit theory 87
economic policy 98–101
general significance 87–92
monetary theory 92–8
see also Italian circuitist approach (ICA)
Friedman, Milton
Nobel Lecture 224
Presidential Address to American Economic Association 225
theory 151, 225–8, 230–31, 240
frown costs 40
full employment 82, 83, 144, 165, 176, 177
equilibrium 155
policy of 81
see also employment; unemployment
full-employment economy 127
Fullwiler, S.T. 21
fully liquid assets 142
functional finance 82–4
functional income distribution 127–30
fundamental concept of theory of money 110
fundamental value 420–28, 429–30, 435–6
ex ante 428, 430, 435–6
ex post 429, 435
fixed annuities 421–2
long-term expectation 426–8
rational expectations hypothesis 422–5
fundamentals see fundamental value
Furtado, Celso 483
G7 countries 60–61
Galbraith, John Kenneth 212
Garbi Hatao programme 300, 304
general equilibrium analysis 139–40
general equivalent form of value 189–90
general form of value 189
General Theory (Keynes) 100, 106, 112, 140, 143, 328
German Historical School 69
German Monetary Keynesians 500–501
German unification 235
German view 475, 476
Germany 100
hyperinflation 474–6, 480–82
unification 235
Gillard, Lucien 7
Glass–Steagall Act (1933) 382
Glickman, M. 166, 167
global economy 396
global financial crises 393–6
see also financial crises
global monetarism 39
globalization 201–2
of financial markets 269
Godley, W. 24
stock-flow comprehensive model 26–7, 28
Gold 190, 194
gold commodity 191
gold-dollar standard 11
gold reserves 194, 198, 201
gold standard 9–11, 29, 191, 194, 202, 203
Golden Age 369, 474
Goldthorpe, John 226
Goodfriend, Marvin 479
Goodhart, C.A.E. 63, 75, 265–6
Goodhart’s law 42
Gordon, David 233, 234
government fiscal policy 79
government intervention 366–7
in developing countries 295, 296, 298–9, 300
government money 12–13
government policy 82–4
government sector, financial liberalization
problems 358
government spending 77–9, 81–4
and unemployment 81, 82–3
Graham, Frank 475–6
Granger and Sims causality tests 60
Graziani, A. 105, 121, 122, 449–50
Great Depression 168, 370, 382
Great Society experiment 474
Green, Roy 473
Greenwald, B. 308, 317, 319
gross substitution axiom 143, 146–7
Growth and Stability Pact 166

Hackett Fisher, David 472, 473
Hahn, F.H. 149
Hamilton, Earl 472
hedge effects 356
hedge finance 155
hedge units 155, 156, 164, 216
Hellérich, Karl 475
helicopter drop theory of money 75
heterodox approaches to money and finance 385–8
Hewitson, G. 36, 56–7
Hicks, J.R. 130, 139, 463
hierarchy of debt 76–7
high-powered money 19, 21, 78, 81, 258–9, 260
borrowing 79–80
supply of 23
high-powered money systems 77
High Yielding Variety Programme (HYVP) 298–9
history of money 1–3, 4–12, 71–3, 108–9, 499
hoarding 193–4, 457
horizontalism (accommodationism) 17–18
interest rate determination 279
horizontalist (accommodationist) approach to
endogenous money
banks’ behaviour 24–5
credit rationing 24–5
high-powered money supply 23
modern operating procedures 18–23
stock-flow consistent macroeconomic
models 25–8
structuralist theory, comparison with 43–8
structuralists, critiques by 17–18
horizontalist theory of interest rate
determination 279, 281–3
Horizontalists and Verticalists (Moore) 37, 53,
60
household sector
credit demand 57–8, 65
financial bubbles implications 434
interest rate changes 358
liquidity preference 28, 99
mortgage finance demand 57
portfolio choice 26
spending 95, 97–8, 216–17
Howells, P.G.A. 57, 58, 60–61
HPM see high-powered money
Hudson, Michael 3
‘human effort’ 125
human logic 444
Hunt Commission 376–7
Hussein, K.A. 57, 60–61
hyperinflation 474–6
see also inflation
HYVP (High Yielding Variety Programme) 298–9
ICA see Italian circuitist approach (ICA)
ICCs (industrial and commercial companies) 53, 54, 55, 57
illiquid assets 142, 164
illiquidity 259, 465
IMF (International Monetary Fund) 134, 167, 203, 395
impulse response function 206
incentive effects 309, 310
income-destroying expenditure 131
income effects 147
income final expenditure 127
income-generating expenditure 131
income-output identity 126, 127
incomes policy 239
indebtedness 164, 166
India
  banks, problems for 294, 299, 300–301, 303–4
  banks, role of 293–4, 296–8
economy at independence 292
  Garibi Hatao programme 300
government policy 294–5, 298–300
  Garibi Hatao programme 300
industrial and commercial companies (ICCs) 53, 54, 55, 57
industrial capitalist 196–7, 199–200
inertial inflation 483, 484
inflation
  cost-push theory 471, 482, 486
demand-pull theory 471, 477, 486
  in developing countries 480–81
  and dynamic inconsistency 479–80
  endogenous theories 476–7, 486
  exogenous theories 476, 486
  government policy 224–5, 226, 230–31, 233, 486
inflation-tax model 477
  quantity theory 225, 476
  structural view 40, 482–5
  theories classification 485–6
  and unemployment trade-off 224, 234, 248, 476, 478–9, 480
  and wage bargaining 225, 478
  see also hyperinflation; NAIRU (non-accelerating inflation rate of
  unemployment)
  inflation-adjusted real rate of interest see interest rate, real
inflation targeting 40, 203, 235–7, 246–51
inflation tax 477, 481–2
inflation-tax Laffer curve 481
inflationary expectations 57
inflationary gap 131, 477–8
inflationary processes 471
  historical perspective 471–6
Innes, A.M. 6, 9, 80
insolvency 259, 260
interest
  ethics of 286–7
  nature of 273–6
  time-preference theory 490
  Interest and Prices (Wicksell) 105, 476–7
interest-bearing eligible liabilities (IBELS) 54
interest rate
  and income distribution 357
  long-term 182, 219–21, 278–9
  maintenance operations 21, 79
  natural 276, 277–8
  nominal 276–8
  operating procedures 243–6
  overnight 19, 20, 22, 79
  real 55–6, 148, 207, 276–8, 490
  relative 64
  short-term 63, 182, 218–19, 278–9, 341
term structure 278–9
  see also interest rate determination; interest rate policy; interest rate targeting
interest rate determination 65, 279–86
  alternative theories (figure) 282
  classical 279, 280, 281, 283
  horizontalist (accommodationist) 279, 281–2, 284
  Kalecki analysis 180–83
  liquidity preference theory 279, 280–81, 282, 283
  production/thrift (classical) theory 279, 282
  savings/investment theory 280–81
  structuralist 283–4
  Wicksell-type theories 283, 284–6
  interest rate maintenance operations 21, 79
interest rate policy
  mainstream 246–7
  Post-Keynesian approach 248–50
  interest rate targeting 245
  intergenerational transfers of wealth 100
  international bank money 134
  international banking 374–5
  international central bank 134
  International Clearing Union 101
  international financial system 167–8
  international lender of last resort 168
  international monetary economics 132–6
  International Monetary Fund (IMF) 134, 167, 203, 395
  international monetary reform 134
  intervention policy 300
  investment 99, 173–6
  investment demand equations 207–8
  investment determination 157, 207
  investment function 163
  investment-goods sector 131
  investment–profit relationship 131, 162–3, 164
  investment reserves 174–5
  investment spending 147–9
  investment theory 156–62
  investments 155
  investor psychology 430–31
involuntary unemployment 132, 146, 147, 231, 448–9
IOUs 11, 76
IS–LM model 176, 243–4
financial crisis 390
Italian circuitist approach (ICA) 87, 105–6
bank as money creator 109–10
closure of circuit 111–13
distribution theory 115
employment 114–16
monetary flows 110–11
monetary theory 107–9
money market–financial market distinction 113–14
production 114–18
see also French circuit theory
Italy 100
Kahn, R.F. 342
Kaldor, N. 17, 24, 28, 328
Kalecki, M.
credit money 173–6
interest rate determination 180–83
investment 173–6
key features of analysis 186
Keynes effect 178
monetary policy 183
money, types of 183–6
principle of increasing risk 25, 178–80
real balance effect 176–7
Kaufman, George 366–7
key-currencies 133
Keynes effect 178
Keynes, John Maynard 139–43
aggregate supply–aggregate demand
function analysis 143–6
beauty contest analogy 460–61
entrepreneurial economy analysis 89, 143–9
ergodic axiom rejection 143, 150
General Theory 100, 106, 112, 140, 143, 328
gross substitution axiom rejection 143, 146–7
liquidity theory of interest 328–30
money, nature of 498, 500
neutral money axiom rejection 143, 147–9
principle of effective demand 89–92
on probability theory 438–43
theory of unemployment and circuit theory 98–100
Tract on Monetary Reform 455
Treatise on Money 58, 91–2, 106, 112, 455–64
Treatise on Probability 438, 439, 440, 444–6
uncertainty, nature of 443–8
Keynes mechanism 331–3
Kindleberger, C.P. 268
King, Robert 479
Knapp, G. F. 69, 72, 77
Kregel, J. 83, 167
Krugman, Paul 390, 395
labour–capital conflict 387
labour market deregulation 118
labour-power 108, 195–6
labour, role of 90–91
labour-value 189
laissez-faire 165, 365
land, role of 91
Latin America debt crisis 392–3, 395
Latin American structuralists 482
Lavoie, M. 24, 45, 124
Law on Monetary Circulation 473
lease contract 492
legal tender law 76–7
Leijonhufvud, A. 458
lender flight risk 410
lender of last resort 258, 366
classical doctrine 262–3
in European Monetary Union 269–70
moral hazard 260–61, 267–9
necessity for 258–60, 265–7
lender's risk 41, 42
Lerner, A.P. 82, 84
liability management 38
LIBOR (London Interbank Offer Rate) 56
liquid assets 142
liquid funds 166
liquidity 141–2, 147–9, 163, 166
liquidity constraints 26
liquidity crisis 260
liquidity management 265
liquidity preference 43–4, 193, 464, 465
of banks 24–5
changes in 41–2
of households 28, 99
liquidity preference theory 44, 279, 328–9
interest rate determination 280–81, 282
Keynes mechanism 331–3
loanable funds fallacy 330–31
role of 333–4, 340–41
liquidity preference theory of bank behaviour 334–8
liquidity premium 492, 497, 502, 503, 505
liquidity problem 258
liquidity ratios 25, 26
liquidity theory of interest 329–30, 337
liquidity traps 168, 337, 339–40, 341, 465
LLR see lender of last resort
LM curve 23, 26–7, 45–6
loan contract 197, 497
loan demand 53–9, 63–4, 175–6
loan–deposit link 59–62
loan market 356
loan repayments 156
loan/reserves ratio 65
loanable funds 131, 180, 181
fallacy 329, 330–31
supply/demand 309
theory of rates of interest 208
long-run equilibrium relationship 155
long-run general equilibrium 156
Long-Term Capital Management 266–7
long-term expectation 426–8
long-term interest rates 182, 218–21, 278–9
long-term liabilities 156
Lovejoy, Paul E. 73–4
Lucas Jr, Robert 479

M–C–M’ 89, 105, 195
M–C–M’ economy 450
M-theory (Metallism) 74–6
macroeconomic stability 351
Malaysia 411
mark-up approach 36
market crashes 432–3
market exchanges 122
market interest rate 56, 65, 334–5
market maker 142
marketless economies 5
Marx, Karl 188–9
commodity circulation 189–95
and contemporary theory 202–4
money, functions of 189–95
money transformation capital 195–202
writings 188
Marxist model of inflation 482, 485–6
McKinnon, Ronald 394
means of payment 70, 76, 133
medium of exchange 75, 76
Medium Term Financial Strategy (MTFS) 234
metal currencies 73
Metallism (M-theory) 74–6
Mexican currency crises 393–4, 403
Mill, John Stuart 74
minimum lending rate 54
minimum unemployment rate of inflation (MURI) 248–50
Minsky, H.P. 154
destabilizing processes 162–3
development-amplifying processes 162–3
financial instability hypothesis 41–2, 163–5
financial instability hypothesis, application 165–8
financial relationships 154–6

financial theory of investment 156–62
and Keynes's economics 168–9, 466–7
Mishkin, Frederic S. 394
Mississippi Bubble 422
mixed portfolio–loan demand approach 36
modern capitalist economies 130
modern currencies 70–71
modern money 12–14, 69, 77, 93
see also Chartalism
monetarism, implementation of 228–30
monetarist revolution 238–40
monetarist theory 35, 39
monetary aggregates 245
monetary authorities 39–40
monetary circuit theory see circuit theory
monetary circulation 466–7
monetary economies of production 87, 95–8
monetary equilibrium 111–13, 118, 477
monetary flows 94, 110
monetary instruments 3–4, 11
monetary intermediaries 96
monetary macroeconomics 132–3
monetary policy 35, 201, 206–7
asset-based reserve requirements 251–3
asset price and debt bubbles 250–54
central bank independence 237–8
contractionary 314, 316, 317, 480
expansionary 315–16, 318
implementation of 228–30
inflation targeting 235–7, 246–50
interest rate operating procedures 243–6
lasting developments of 239–40
minimum unemployment rate of inflation 248–50
non-accelerating inflation rate of unemployment 230–32
objections to 226–8
Post-Keynesian approach 242–3, 245–6, 248–54
rational expectations 232–5
risk-based capital requirements 253–4
theory of credibility 234–5
transmission mechanism see monetary transmission mechanism
monetary policy instrument choice problem 243, 244
monetary rate of interest 476
monetary sovereignty 135
monetary systems 3–4, 18–19
monetary targeting 230
monetary targets 229–30
monetary theory 72, 107–9, 202–4
monetary theory of interest rates 283
monetary theory of production 106, 121, 454–6
Index

monetary transmission mechanism 216
consumer borrowing 216
cost-based theories of investment 207–12
cost-push channel 216
exchange rates 217–18
general equilibrium theory 215
interest rates, types 218–21
NPV theory 207, 211
principle of increasing risk 212–13
Q theory 209–10, 211
speculation channel 218
two-price theory 213–14
monetary unions 135
money
into capital 195–202
Chartalist view of 70
concept 13–14
as counterpart to credit 40
as a creature of the state 69, 71, 75–6, 82 see also Chartalism
different types 183–6
as final means of payment 449
functions of 70, 140, 141, 192–4
as general equivalent 189–90
history of 1–3, 4–12, 71–3, 108–9, 499
as medium of exchange 75, 176
in the modern world 77–82
as a social institution 70, 109
as store of value 141
as store of wealth 448–9
as unit of account 13–14
value of 74
money-capital 118, 195, 196–8, 199, 200
money commodity 190–92
money contracts 215
money creation 29, 94, 173–4, 500–501
money emissions 121–2
capital accumulation 130–32
European monetary integration 135–6
functional income distribution 127–30
international monetary economics 132–4
new analysis of money 122–4
new analysis of production 124–7
Money, Interest and Prices (Patinkin) 154
money market 46, 48, 113–14
money market capitalism 389
money neutrality 343–4
money of account 70, 72, 77, 498, 499, 503
development of 2, 6
money–output relationship 131
money policy Kalecki 183
money proper 498, 500, 501, 503
money supply 28, 39–40, 466
money supply curve 23, 45
money supply determination 53–4
money supply endogeneity 39
money supply exogeneity 39
money supply targeting 238, 245–6
money-things 4, 7, 14, 72, 76, 77
specific functions 141
money units 128, 131
money-wage contract 143
money-wage economy 88–9
money wages 100, 115–16, 155, 195–6
moneyness 367
Monnaie, salaires et profits (Schmitt) 93
Moore, B.J. 17, 28, 63, 92–3, 207, 277
Horizontalists and Verticalists 37, 53, 60
moral hazard 260, 355–6, 395
and deposit insurance 366, 392
realized 392, 393
solutions 267–9
mortgage refinancing 58
Mosler, W. 21
MURI (minimum unemployment rate of inflation) 248–50
NAIRU (non-accelerating inflation rate of unemployment) 230–32, 246–7, 248, 478, 485–6
narrow credit channel 213
narrow money 176
national currencies 133, 135
national economy 135
national income formation 125–6, 127
National Institute of Economic and Social Research (NIESR) 54–5
national monetary sovereignties 136
nationalization of private banks 297, 299, 303
natural interest rate 276, 278, 337, 476
natural rate of unemployment 230, 231, 239, 478, 480
natural real rate 277
negative expectations 112
neo-Chartalism 69, 70–71
see also Chartalism
neo-structuralists 483
neoliberal financial reform
associated risks 404–8
risk reducing policies 408–15
net present value (NPV) theory 206–7
neutral money axiom 140, 143, 147–9
neutrality of money 224
neutralization operations 20, 22, 29
new analysis of production 124–7
New Consensus models 23
New Deal 82
New Zealand 19, 235
Nigeria, pre-colonial 73–4
Nixon, President Richard 378
noise traders 430, 459, 460
nominal convergence process 135
nominal income 132, 185
nominal interest rates 276–8
nominal lending 55
non-accelerating inflation rate of unemployment (NAIRU) 230–32, 246–7, 248, 478, 485–6
non-atomistic nature of economic reality 444–5, 447, 449
non-bank financial intermediaries 38, 39
non-defensive operations 22
non-dualist structural analysis 46
non-government sectors see private sector
non-interest bearing reserve balances 79
non-metallic money 73
non-neutrality of money 50
non-Say’s Law model 141
nonergodicity 208
Nordhaus, William 238
North American Free Trade Agreement 393
Noyola, Juan 482, 483
NVP theory of investment 207, 211
objects of payment 133
O’Connell, Stephen A. 389–90
off-balance-sheet activities 409
oil-market disruptions 392, 474
Okun’s law 248
Olivera–Tanzi effect 481
one nation–one currency relationship 75
one-way bets 135
open economies 29–30, 166, 390
open market operations 79, 80
open market rates 218
open markets policies 338–40
opportunity cost 197, 208
orthodox approach to money and finance 385–8
output 176
outside money 80
overdraft facilities 44
overdraft financial systems 18–19, 21, 22, 29
overnight interest rate 19, 20, 22, 79
overnight market 79
Palley, T.I. 36, 60, 248
paper currency 74, 75
Parguez, A. 27, 93–4
Patinkin, D. 155
pay tokens 8
payment finality 122
perfect competition, lack of 356
Perry, G.L. 248
Pesek, Boris P. 498
Phillips curve 224–5, 478
Phillips curve theory 248–9
Phillips–Perron test 60
Pigou effect 176–7, 227
Pittis, N. 61
Polanyi 73
policy activism 226–7
policy-determined rates 218–21
Policy Targets Agreements 235
political disruption 474
political endogeneity 36
Pollin, R. 36, 64–5
Ponzi finance 155, 164
Ponzi units 156, 216
Poole, W. 243, 244
portfolio decisions 334
portfolio demand 184, 185
portfolio investment 411–12
portfolio theory 39
portfolio theory of money demand 41
possession 494
possession-based production systems 490–96
possessory rules 490, 491, 494
Post-Keynesian analysis of financial crises
Chilean model 414–15
currency convertibility restrictions 412–14
neoliberal reform risks 404–8
policymakers, lessons for 415–17
risk reduction policies 408–15
trip wire–speed bump strategy 408–12
Post-Keynesian monetary policy 242–3, 254
asset-based reserve requirements 251–3
inflation targeting 248–50
interest rate operating procedures 245–6
Postan, Michael M. 472
pound sterling 203
poverty 299, 300, 358–9
precautionary demand 41
precautionary motive 183
precious metals 9–11
precision 150
Presenti, Paolo 395
price deflation 155
price level 176–7
price mechanism 155
price revolutions 471–3, 474
price stability 82, 83, 480
price volatility 429–30
primitive accumulation of capital 195, 196, 201
primitive money 73
primitive societies 5
principal–agent model of credit markets 392–3
principle of absolute exchange 127
principle of effective demand 99–100, 126–7
principle of increasing risk 25, 172, 178–80, 212–13
private sector, spending 78
probability 426
probability theory 438–43
probability relations 438–40
weight of argument 440–42
production 114–18
new analysis 124–7
production economies 143
production process 143
profit deflation 164
profit flows 155
profit formation 128, 129
profit of enterprise 197
profits and debt commitment relationship 155–6
profits and investment interdependence 162–3
promise of last resort 76
promissory notes 108
propensity to liquidity 110–11
property 494
property-based economy 503–6
property-based society 491, 493–6
property economics 491–3, 496–503
property premium 491, 492
property rights 492, 494
public debt 196, 200
public finance 194
public sector employment 83
Purchasing Power of Money 125
pure accounting system 110
pure credit 109, 110
pure credit model 105
pure exchange-value 190
pure loan demand approach 36
pure token money 11
Q theory of investment 209–10, 211
quantity theory 194, 454–5, 472, 474, 476
Radcliffe Report: Committee on the Working of the Monetary System 40
random walk 425, 429
rational expectation–new classical macroeconomic framework 244–5
rational expectations 232–5, 422–3
Reagan, President, solution to unemployment 145
real balance effect 176–7, 227
real exchange economy 88
real interest rate 55–6, 148, 207, 276–8, 490
real stock of money 177
real wage 115–16, 117
real-wage economy 88, 89
real-world economies 89, 90, 124, 141, 143
recessions 165, 168, 455, 505
reconstructed Keynesians 151
reflux 174
regulation 365–8, 369–71
Regulation Q 370, 372, 378, 380
relative form of value 189
relative interest rates 64
relative prices 155
relocation of plants 100
repo rate 40, 41
representative money 500
repurchase agreement (RP) market 371
reserve balances 79, 80
reserve deficiency 79
reserve fluctuations 79, 80
reserve ratios 19
reserve shortage 65
Ricardo, David 472–3
rights of possession 495
rights of property 495
rights of seigniorage 108
risk-based capital standards (RBCS) 253–4
risk classification 25
risk interactions 408
riskless arbitrage 459
Robertson, D.H. 456–7
Roubini, Nouriel 395
Rowthorn, R.E. 248
rules of possession 490, 491, 494
Russian crisis 203, 403
safety margins 163, 164
Salamanca School 472, 486
sales contract 492
Samuelson, Paul 151
Sargent, T.J. 232, 233, 244
Saving, Thomas R. 498
savings 99, 147, 358
excessive 98
savings and investment relationship 356–7
savings and loans (S&Ls) 370, 372, 377–8, 379
crisis 266, 391–2
and deregulation 381
time deposits 373–4
savings/investment theory 280
Sawyer, M. 168
Say’s Law 127, 140, 143–7, 193
Schmitt, B. 94, 121, 122, 127, 134
Seccareccia, M. 93–4
second-generation model (SGM) of currency crises 394–5
seigniorage 480–81
seigniories 491
selective currency convertibility 410
self-regulating economy 230
sequencing 354
settlement balances 20
Shiller, R.J. 429
short-run equilibrium 156
short-side of market rationing rule 144, 145
short-term indebtedness 156
short-term interest rates 63, 182, 218–19, 278–9, 341
shubati tablets 6
single European currency 101, 135, 165
smart traders 430, 460, 461
social debt relationships 70, 75–7
Social Structure of Accumulation (SSA) 368–9, 375, 376
socialization of capital 199
Solow, R.M. 267
sound finance 83
South Korea
banks, problems for 294, 300–303
banks, role of 293–4, 296, 297
economy at independence 292
government policy 294, 295
South Sea crash 432
Southeast Asia crises 166, 167, 395–6, 403, 409, 411
sovereign currency control 70
sovereign currency systems 77–8
sovereign states 74
sovereignty risk 407, 413
special deposit scheme (SSD) 54
speculation
asset price (Keynes) 458–60, 462–3
as cause of financial bubbles 431–2
exchange rates and 133, 134, 135
financial deregulation and 167
financial liberalization and 359–60, 395
as not destabilizing 460–61
speculation channel 218
speculative demand 41
speculative finance 155
speculative financing 164
speculative motive for holding money 183, 338, 339
speculative units 156, 216
speculators 166, 359
speed bumps 408–12
spending 143–7
spot contracts 141
spot exchange rates 29
SSA (Social Structure of Accumulation) 368–9, 375, 376
Stabilizing an Unstable Economy (Minsky) 163
stage 2 banking 62
standard of price 190–92
state-credit monetary systems 202–3
state currency, primacy of 76
state debt 202
state money 12–13, 76, 77
state of bearishness 455–6
state of expectation 210
stationary stochastic process 425
Steuart, James 499
stochastic processes 208
stock-flow consistent macroeconomic models 25–8, 30
stock market 39, 208–9, 360
store of value 71, 141, 193–4, 227
strong exogeneity theory 27
structural endogeneity 36–8, 48–50
accommodationism comparison 43–8
accommodationism, critiques of 17–18
banking structure 38–9
banks’ influence on monetary conditions 40–42
credit creation 41, 42–3
inflation 40, 482–5
liquidity preference 41–2
money supply 39–40
nature and role of 42–3
structuralism 36–7
Sunkel, Osvaldo 482
supply-side efficiency 231
supply-side policies 100
supply-side shocks 474
surplus-value targeting 203
Sweden 19
Switzerland 19
Taiwan 413
tallies 6–9
tax and loan accounts (T&Ls) 79
tax debt 9, 12
tax-driven money 69
see also Chartalism
taxation 73–4, 77–9, 80
Taylor, Lance 389–90
Taylor’s rule 342–3, 389–90
tequila crisis 394
Thatcher–Volker monetarist experiments 245
theory of credibility 234–5, 234–5, 238
theory of distribution 89, 99, 115
Theory of Economic Development (Schumpeter) 105
theory of economic dynamics 105
theory of effective demand 146
theory of exchange 88
Index 523

theory of money 107–9, 194–5
theory of money emissions 121, 122
theory of structural endogeneity 36
Thornton, H. 262
Threadgold, A. 54, 55
thrifts see savings and loans (S&Ls)
time 139–40
time deposit rates 370
time deposits 26
time preference theory of interest 490
time-varying NAIRU 231–2
tithes 2
Tobin, J. 41, 227
Tobin tax 168
Toda, H.Y . 61
too-big-to-fail doctrine 266, 267
Tooke, Thomas 473
total demand 127
total supply 127
total transactions 57, 58
Tract on Monetary Reform (Keynes) 455
tranquility 157, 163, 164
transactions demand 175, 182, 184, 185
transactions motive 183
transmission mechanism see monetary transmission mechanism
Treatise on Money (Keynes) 58, 91–2, 106, 112, 455–6, 463–4
argument 456–8
asset price speculation 458–63
Treatise on Probability (Keynes) 438, 439, 440, 444–6
trend speculation 462
triangular structure of agents 106, 109
triangular transaction 109
tribal community 491, 493
trip wire–speed bump strategy 408–12
trip wires 408–9
tunnel system see channel systems
two-price theory 213–14, 457–8, 463–5, 466
UK
   Competition and Credit Control 54, 229
demand for bank lending models 54–5
   monetary policy 35, 228–30
ultraspeculative finance 155, 164
ultraspeculative units 156
unattached deposits 174–5
uncertain knowledge 447
uncertainty 141–2, 207–8, 438, 440
   as absence of probabilistic knowledge 442–3
   Davidson on 446–7
   impact on investment 386–7
   in loan market 356
   and money 448–51
   nature of 443–8
   Post-Keynesians on 446–8
   type 1 440–42, 448, 449–51
   type 2 442–3, 448–9, 451
unemployment 155
   Chartalist theory 81–2
circuit theory 100–101
   hysteresis 231–2
   and inflation trade-off 224, 234, 476, 478–9, 480
   Keynes’s theory 98–100
   natural rate 224, 225, 226, 230, 232, 233
   non-accelerating inflation rate of
   see also employment; full employment
unit of account 3–4, 12, 123, 191
   Chartalist view 70, 76
delimitation of 77
development of 2, 6, 71
US dollar as principal 203
unreconstructed Keynesians 151
upward instability 166, 168
US dollar 78, 133, 191, 203–4
USA 35
   banking innovation 372–4
   commercial banks 371, 377–8, 379
credit crunch 373–4
deregulation post-World War II 368–72, 378–82
economic operations, 1950s and 1960s 371–2
financial crises 165, 266, 391–2
financial instability 164, 373–4
financial structure post-World War II 21–2, 369–71
Golden Age 369, 474
government spending 78–9
inflation 203
   international banking 374–5
   mortgage refinancing 58
   New Deal 82
   social security crisis 83
   see also Federal Reserve
use-values 189, 190
user-cost elasticities 214–15
usury 195
value added taxes 91
value, measure of 190–92
variance bounds test 429
velocity of circulation 192
vibrant economy 162
Vietnam War 375, 376
Viner, Jacob 163
Volker experiment 278
wage bargaining 115–16
wage-bills 92, 95–6
wage deflation 100, 155
wage indexation 483, 485
wage unit 100, 125
Wallace, N. 232, 233, 244
Walras, L. 88, 90
Walrasian general equilibrium 386
weak exogeneity of interest rates 22, 27
Wealth of Nations (Smith) 74
wealth-related demand for money 184
Weiss, M. 312–13
wergild fines 1–2
Wicksell, K. 454–5

Interest and Prices 105, 476–7
theory of interest rate determination 284–6
workers’ reaction function 116, 118
World Bank 203, 394, 395
world capitalism 203
world money 194
Wray, L.R. 21, 80

Yamamoto, T. 61
yen 133, 203
yield curve 278, 279

zero-reserve requirements 19–21