Index

accounting 161, 179–80
adjustable rate mortgages (ARMs) 20
advanced capitalist economies
   instability of 169
advanced industrialized economies 209
agents’ financial structure and credit market 111–14
agents’ heterogeneity 182–204
aggregate income and aggregate expenditure 96, 207
aggregation procedure, stochastic 191
American economic expansion, 1990s 272
American Society of Civil Engineers 79
analytical tractability 191
animal behavior 253
anxiety avoidance 257
artificial intelligence 252
Asia, emerging market economy 3
Asian crisis 1997–98, 177, 222, 232
   financial instability 223
Asian financial crisis, 1997–98 94
Asian meltdown, 1997–99 16
assassination of Archduke Ferdinand, Sarajevo
   cause of World War I 270
asset-backed commercial paper (ABCP) 21
asset-backed securities (ABS) 21
asset bubbles and collapses
   effect on economic outcomes 230
asset bubbles and spatiality 229–35
   Minsky’s model 1, 224–5, 228–9
   spatialized approach 222–44
asset management advice 23
asset price 88, 119
   bubble 123
   deflation 223, 246
   excess 149
   increases 3, 189
   inflation 88
   rises 225
rural-to-urban migration 231
stabilization 132
asset-pricing theory, classical 249
assets and liabilities
   bank share 19
   control of
   regulation and supervision 65
assets in mortgages 38
assets, nominal and real 230
asset valuation 35, 118, 246, 258
assumptions of linearity 178
asymmetric information 101, 102
   ‘asymmetric reward structure’ 104
average equity ratio 201
average investment ratio 194
balance sheets 124, 225
bank credit extension 189
bank deposits as liabilities 10, 11
bank funding 18
banking and financial system 85
banking, a ‘Tobin–Schumpeter’ view 105–7
banking in Minsky’s theory 100–15
banking innovation and money market rate 109
banking reforms of 1980s and 1990s 92
bank loans 85, 103
   and expected profits 113
bank risk and borrower’s risk 113
bankruptcy and dynamics 158–9
bankruptcy cost 187
bankruptcy for firm 185
banks
   economizing of 19
   liquidity preference 111–12
   nonperforming loans 177
   as systemic risk 131–2
banks, private 160
Baring Crisis 172
barter exchange of commodities 161
barter system 48–9, 86
Basel agreement 25
Basel minimum capital standards, 2004 129–30
   extensive application and results 131
Bear Stearns, failure 45, 123, 127, 134
   behavioral finance 3, 247–50
   psychological input summary 249–50
   behavioral finance, ‘old’ 249–53
behavior as outcome of reason 257
belief as basis for action 255
Bernanke, Ben, Federal Chairman, USA 134, 149
Bernanke Federal Reserve
deleveraging phenomenon 128
bifurcation analysis 178
‘Big Bank’ 1, 2, 6, 12, 16, 23, 271
   response to Minsky crisis 226
‘Big Government’ 1, 2, 6, 12, 16, 23, 271
counter cyclical spending 226
   inflation 60
‘Big Government/Big Bank’ 27
   capitalism 47–8, 78
decisions, US
fiscal policy 223
Keynesianism 66
   Minsky on economics of control 63
   response to Minsky crisis 226
Black–Scholes option pricing model 122
   boldness and speculative finance 175
   bond guarantors 129
   bond holdings 14
   bond market crash, 1994 16, 160
boom-and-bust cycles 119, 223
boom economies to bubble economies 189, 232, 234
   financial fragility 235
border constraints
   asset-prices reversals 236
   bordered economies 230
   Minsky crises and Minsky cycles 237
   borrower–lender relationships, strength of 233
borrower’s
   bankers’ skepticism of 101
   and lender’s risk 112–14
   marginal 122
   risk 113, 185, 203
borrowing by Britain, in World War II 271
brain activity 252
Brave New World (BNW) 146
Brazilian crisis, 1998 94
British hegemony, 1870–1913
   military might 269
   budget constraints 158
bull market cycle 121, 122
Bush, George H.W., Administration
deleveraging phenomenon 128
   industry consolidation, Treasury losses 127
business cycle 100
dynamics, post-peak 228
   US, 1990–2007 54
business downsizing 26
California boom (capital-absorbing)
   economy 234–5
   California, importing of capital 235–6
   California real-estate bubble, mid-1980s to 1991–92, 229
capacity utilization 198
capital asset prices 184
d = future profit flows 183
capital assets 85
   yield expectation 255
capital controls, inward 233
capital flight 232
capital goods 171
capital-inflow 232, 234
capitalism 48–52, 96
   best economic system 150
   big-government and laissez faire 47
   booms, crises, depressions 118–19
   instability of 126
   monetary-production economy 48
   neo-liberal 119
   ‘new’ 84–98
   under Roosevelt 70
   capitalist booms 175
   capitalist economies 4, 51–2, 86
   capitalist expansion, 1990s and 2000s
   private consumption 97
   capitalist system, creativity in 63
   capital market institutions 36, 40
   capital mobility 230
capital–output ratio 211–12
capital requirements of banks 25
cash flow and debt commitments 184
cash flow problems
   spiraling debt 118
<table>
<thead>
<tr>
<th>Index</th>
<th>279</th>
</tr>
</thead>
<tbody>
<tr>
<td>cash flows 158, 189</td>
<td>crash period 226</td>
</tr>
<tr>
<td>income for private sector 51</td>
<td>credit analysis, adequacy of 132</td>
</tr>
<tr>
<td>caution, extreme, hedge finance 175</td>
<td>credit, cheapness of 132</td>
</tr>
<tr>
<td>central bank meddling 136</td>
<td>credit creation 7</td>
</tr>
<tr>
<td>certainty/ignorance 253</td>
<td>Credit Crunch of 1966, significance 6, 12–17</td>
</tr>
<tr>
<td>China, emerging market economy 3</td>
<td>credit easy to access 122</td>
</tr>
<tr>
<td>circular flow and innovation 6, 7, 165</td>
<td>enhancement 44</td>
</tr>
<tr>
<td>Citibank’s credit risks 132</td>
<td>evaluation 92, 161</td>
</tr>
<tr>
<td>clearing houses 130, 160–61</td>
<td>credit default swaps (CDS) 21</td>
</tr>
<tr>
<td>Clinton Administration 128, 134</td>
<td>credit market crisis 134</td>
</tr>
<tr>
<td>sound fiscal policy 96</td>
<td>credit practices of banks 132</td>
</tr>
<tr>
<td>closed-economy approach 228</td>
<td>credit-rating agencies 121</td>
</tr>
<tr>
<td>cognition and emotion 247</td>
<td>credit rationing under asymmetric information 101</td>
</tr>
<tr>
<td>Cold war, end 272</td>
<td>creditworthiness, guaranteed fundamental banking activity 24</td>
</tr>
<tr>
<td>collateralized debt obligations (CDOs) 21</td>
<td>cross-border imbalances in capital movements 237</td>
</tr>
<tr>
<td>collective bargaining 47, 67</td>
<td>financial fragility 223</td>
</tr>
<tr>
<td>collective security 267</td>
<td>cross-border imbalances, intra-national financial instability 238–9</td>
</tr>
<tr>
<td>commercial bankers and investment bankers 105</td>
<td>cross-border relationships, significance 229, 236</td>
</tr>
<tr>
<td>commercial banking 6, 9, 16–20, 23, 104</td>
<td>cross-border wealth flows 232</td>
</tr>
<tr>
<td>commercial bank IOUs 10–11</td>
<td>abstract wealth claims 230</td>
</tr>
<tr>
<td>entrepreneurial behavior 107</td>
<td>asset price pressures 233</td>
</tr>
<tr>
<td>risk of insolvency 113</td>
<td>currency crisis 222</td>
</tr>
<tr>
<td>commercial code 161</td>
<td>current account deficit 96</td>
</tr>
<tr>
<td>commercial paper markets 17, 121</td>
<td>current-account/reserve relationships 229</td>
</tr>
<tr>
<td>commodity exchange 48</td>
<td>current output prices 184</td>
</tr>
<tr>
<td>competition 50</td>
<td>cyclical behavior 227</td>
</tr>
<tr>
<td>amongst banks 103</td>
<td>debt-deflation 227</td>
</tr>
<tr>
<td>by new global players 93</td>
<td>falling prices 227</td>
</tr>
<tr>
<td>consumer credit houses 40</td>
<td>debt 5, 37, 225 interest on 88</td>
</tr>
<tr>
<td>consumer debt 21</td>
<td>relative to income levels 222</td>
</tr>
<tr>
<td>consumer demand 28</td>
<td>debt financed speculation 103, 117</td>
</tr>
<tr>
<td>consumer goods 91</td>
<td>debt management Federal Reserve System responsibility 45</td>
</tr>
<tr>
<td>Consumer Price Index (CPI) changes, 1914–2007 62</td>
<td>debt owners’ protection 34</td>
</tr>
<tr>
<td>Consumer Price Index (CPI), energy prices 137</td>
<td>debt ratio 209, 211</td>
</tr>
<tr>
<td>consumer propensity 255</td>
<td>debt service charges 118, 189</td>
</tr>
<tr>
<td>consumers’ debt rate value 209–10</td>
<td>debt structure, acceptable increase in 189</td>
</tr>
<tr>
<td>consumption function 211</td>
<td>debt-to-net-worth ratio rise 110</td>
</tr>
<tr>
<td>consumption goods production 90</td>
<td>contract law 161</td>
</tr>
<tr>
<td>contract law 161</td>
<td>core CPI Taylor rule 138</td>
</tr>
<tr>
<td>core inflation 137</td>
<td>core inflation 137</td>
</tr>
<tr>
<td>corporate and foreign bonds 15</td>
<td>corporate law 161</td>
</tr>
<tr>
<td>corporate law 161</td>
<td>corporation finance 37</td>
</tr>
</tbody>
</table>
| Council of Economic Advisers (CEA) 74 | }
Index

debt versus equity 34–7
decision making
   emotional state for 252
   and gut feelings 252
default risk 176
deleveraging paradox 124–5
demand and supply model 210–13
demand deposits 15
demand liabilities 36
deposit multiplier 9–10
deregulation of new practices 18
derivatives 117
design flaws in credit markets 222
determinate future 174
determinist view of passage of time 170, 171
devaluation of dollar 238
dialectical view of future 171, 178, 180
   relevance of Minsky 172
dialectical vision, central feature 174
discount rate 108
disequilibrium 153, 166
dollars, world’s reserve currency
   237–8
dotcom crisis 95
dotcom virtual firms, high rate of growth 94
dualism
   characteristic of closed systems 253
durable assets
   falling prices and excess supply 123
dynamic processes, Minsky 208–9
dynamics 200–202
early-payment delinquency 123
economic analysis 208
economic and technological development
   cash-flow-generating activities 265
   economic development, barriers 8
   economic growth in China 93
   economic ideology 150
   economic method, Minsky’s challenge 178–81
   economic policy 88–90
   economic policy, ‘perfect’, Minsky on 90
   economic structures 161–3
   economics 173
   and psychology 247–8
   economics, contemporary
   statistical social science 169
   economic systems 48
   economy as circular flow 6
   economy’s cyclical behavior 32
   emotional finance 256–9
   emotion and decision-making 252
   emotions, biologically induced 257
   emotion theory, literature on reason and emotion 252
   emotion (wishful thinking) 257
   ‘employer of last resort’ (ELR)
      control of income growth 65
      firing for poor performance 66
      government 64
   employment
      and business interests 72
      full 70, 98
      and social needs 98
   employment level 63–4
   employment programs, temporary 73
   employment promotion 75
   endogenous dynamics 215–17
   entrepreneurial behavior of banks 106
   entrepreneurship and risk 63
   epistemology 259
   equilibrium and disequilibrium models
      mathematical models 167
   equilibrium condition
      aggregate demand equals supply 210
      equilibrium interest rate 187, 202
      equilibrium investment 185, 188
      bond market 197
      goods, money and bonds 197–200
   equilibrium ‘real’ 85
   equities 36–7
      boom in 175
   equity holders, leverage increase 35
   equity markets, in 1990s
      ‘new economy’ 18
      equity ratios, law of motion 200
      equity ratios of firms 191, 195
      equity-to-assets ratio 104
   Eurodollar deposits 13
   European Economic Community 271
   economy, ups and downs 209
      empire building 269–70
   European stagnation 94
   exchange-market equilibria 237
   exchange-rate uncertainty 223
Index

exchanges 130
expectational dynamics 195
expected incremental profit rate 195
expenditure of state and local
governments 58, 60
experience and reason 254
experimental gaming 156
export surplus and export deficits 230
external finance premium 186

Fannie Mae 134
Federal Deposit Insurance
Corporation (FDIC) 28
federal funds market 11, 146
Federal funds rate 108
Federal government expenditure 57,
59–61
Federal Home Loan Bank 36
Federal Open Market Committee
(FOMC) 141
Federal Reserve System 13, 14, 15, 32,
36, 40–41, 134
balance sheet 124–5
control 42–3
government bond dealers 40
lender of last resort 31, 43, 237
monetary policy role 16, 228
policy 135–6
regulatory control 45
support to non-member financial
institutions 45
Federal Savings and Loan Insurance
Corporation (FSLIC) 28
Fed–Treasury Accord (1951) 17
finance into income distribution 86,
186
finance of Germany during World War
II 270–71
Financial Accelerator Hypothesis 183,
186
Financial Accelerator research 3
financial accelerator theories 190
financial assets, inflation 97
financial conditions from banks 112
financial crisis 3, 12, 189, 222
capital inflows and growth of real
capital assets 243
contagion effects 243
government interference on credit
markets 243
lax financial regulation 243
moral hazard lending problems 243
‘financial distress’ condition 39
financial fragility 2, 175–9, 223–4,
235–6
and instability 172
pro-cyclical 101–5
financial innovation, analyses of
banking 114
financial innovations, booms and busts
8
financial instability 3, 31, 120, 132,
182–204, 223, 225, 248
government interventions 50
government spending 55
growth and debt ratio 217
Minsky’s ideas, asset bubbles, role
of 222
natural to market economics 247
policy responses 236–9
relative importance of revenue
sources 266
financial instability hypothesis 84–98
Financial Instability Hypothesis (FIH),
Minsky 1, 3, 32, 52, 87–100, 119,
182–3, 186, 189, 222–6, 246
behavior of banks as important
ingredient 115
collection function 217–18
and growth cycles 206–19
financial institution
consolidation 26
control mechanism 165
regulation of, by government 126
financial instruments and practices
complexity of understanding 26
financial intermediaries 33, 37–8, 106
monetary, banks 35
non-monetary 35
financial leverage 119
financial markets and banks 86
evolution of 175
psychology of 246–59
role of, Keynes’ theory 84
financial network of countries, World
War II
Britain, US and Soviet Union 271
financial stability
Federal Reserve System as guarantor
41–2
Financial Stability Forum 126
financial structure, robust or fragile 119
financial system, Minsky on 35–7
financial system excesses 150
financial system, global collapse
   Basel agreements’ contribution 25
financial system of US
   as safe haven for liquidity and
   investment value 274
financial variables, cumulative changes 5
financing innovation possibilities 164–5
firm ownership from capital to labor 90
firms 191–6
firms and power 264–5
fiscal deficits, temporary 73
fiscal policies
   discrediting of 207
   expansionary 89, 93, 132
Fisher, Irving, *Booms and Depression* 74
money supply control 72–3
Fitch and Moody’s 121
   flexible exchange rates 1973
   Vietnam War, 1960s 272
flow of capital
   investment determination theory 203
   forecasting rule simulations 215
foreign currency 10
Foreign Direct Investment (FDI) 230, 233
foreign exchange 232
foreign investment 175
form and function
   entrepreneurs 160
   government legislation 160
   markets and firms 160
   venture capitalists 160
Freddie Mac 134
free trade by military means 269
Freudian psychoanalysis
   rational explanation for irrational
   behavior 256–7
Full Employment Bill, 1945 72
funds in competition with bank loans 18

game theory in economics 155, 158
General Equilibrium (GE)
   exchange with clearing house 162
structure 165
   theory 153–4, 158, 160
German lust for land (*lebensraum*) 270
Glass–Steagall Act 1933
   abolition of 128
   commercial banks 9
   repeal, 1999 17, 24
global economy, 1970s 134
gold control 73
gold-exchange standard in 1971, US
   forcing off
   Vietnam War, 1960s 272
gold standard 232
government bonds 10
   purchase and sales 11, 14, 40
   government debt 34, 110
government deficit 70
   and asset prices
   lender of last resort 51
government employment programs
   employed in Argentina 64
government expenditures
   cash flow for private sector 51
   government gross purchases 56
   government intervention 51, 88–9, 98
   instability of 49–50
government net purchases 56
government participation, fiscal and
   monetary measures 66
government role and policies 52
government securities 33
   Treasury bills 108
   US, decrease in importance 14
government, small to big 53–63
government spending in US 75, 96
   quality and quantity 77
   resistance to 77
Government Sponsored Enterprise
   (GSE) 21, 44
Gramm–Leach–Bliley (Financial
   Services Moderation) Act, 1999
   129–30
Great Depression 27, 119–20
Great Moderation, 1982–2005 119, 134
Great Monetarist Experiment, 1979–82
   16–20
Great Recession of 2007–09 16
Greenspan, Alan 134–5, 138, 149
   commentary, 1998, 2001 147
   monetary policy 148
Index

Greenspan/Bernanke era 150
Greenspan Federation
  low interest rate policy 20
Gross Domestic Product (GDP) 5, 55
gross money profits 89
growth cycles 209–10
  Financial Instability Hypothesis
    (FIH), Minsky 206–19
hedge finance 87, 175, 263, 272
  income cash flow, reliance on 266
hedge financing units 87, 189
hedge funds 27, 117, 129
  dominant players in US and world economy 97
hedge profile, country with 267
hedge units 120, 189
hegemon, preeminent power 264–5, 268
  threat of military action as influence 266–7
herd behavior, precipitating crisis 248, 251
heterogeneity 183, 188–91, 195
  mathematics of 218
Heterogeneous Agents (HE) case 201, 202
heuristics 249
  and framing 250
high expert specialist 157
high-growth economics
  relationships with asset bubbles 231
high power money (HPM) 5, 10, 11, 12
  Hitler, Adolf 270
home mortgage market 40
homeownership
  by low-income households 78–9
  New Deal reforms 27
  problems 123
home price falls and explosion 120, 123
  homo economicus 206
  behavioral types 155–6
household as natural economic unit 33
  consumption goods, financial assets, money balances 124, 196–200
  government supervision of 65
  New Deal reforms 27
  housing market 120–21
  housing stock, Korea 241
human psychology and behavior 263
human social interactions 169
Hume, David on reason 254
imbalance 243
incentive structures 131–2
income flows, division 229
income inequality 75
income policy, generalized 65
indebtedness, state of 209
  of banks 103
individual investment ratio 196
industrial policy 98
industry consolidation 26
inflation 17, 47, 64, 75, 212
  government spending 55
  monetary policy 14
Information and Knowledge Economy
  (IKE) 213
information inherited 171
infrastructure
  government supervision 65
innovation 50
  of banks 106–07
  evolution and complexity 165–6
  finance link 3, 8
  mutation and 159–60
  sponsorship of 159
  types of 163–4
insolvency 126
instability source
  logic of financial markets 208
insurance companies 23, 129
insurance premium to taxpayers
  banks 131
interdependence
  between real and financial aspects 211
  real and monetary aspects 208
interest rates 87, 107–8, 110, 112
  determination, Minsky 113
  increase in money and credit markets 105
manipulation 126
raising and lowering 13–14, 108
reduction 68
velocity curve 109
internal finance 188, 203
Internal Revenue Service 51
international capital flows 233
international immigration 231–2
International Monetary Fund (IMF) 222, 271
Korea, Minsky crisis 243
international relations 263–8
hierarchical structure 264
intra-national immigration asset-pressure generation 231–2
investment 84
and business default 112
goods 91
initial profitability 119
tax incentives 74, 75
investment banking 9, 19, 23, 117
Goldman Sachs 26
investment decisions
fixed capital goods 87
future valuation 171–2
irrational under uncertainty 256
socialization 65
investment determination (Greenwald and Stiglitz) 184, 187–8, 192
investment equation 184–5
investment expenditure, increasing 33
investment-financing processes 223
investment level and composition 186
investment projects, frivolous left to private sector 65
investment strategies, diversity of 251
IOUs 9, 12
Iran and power 273–4
Iraq war, 2003 273
support for US on 273–4
irrational behavior and financial instability 248
Islamic Banking 25

Japan, 1960s to 1980s 231, 235
capital flows to Tokyo
intra-national asset flows 238
economic recession, 1990s 94, 209
land and stock price index values 240
post-1984 asset bubble
rural, wealth loss to buyer of overseas assets 232
stock-market prices crash, 1989 239
job shortages 47

Kalecki equation 53
Kennedy Administration
federal spending and taxing 77

Kennedy–Johnson era
and Keynesianism 74–7
Keynesianism 47, 49
fine-tuning and 78
Roosevelt era 67–74
Keynesian revolution, Minsky on 66
Keynesian uncertainty and real time 224
Keynes, John Maynard
emotional finance and 246–59
General Theory of Employment, Interest and Money 66, 75, 104, 112, 224, 255
government intervention 70
interdependence of emotion and reason 255
‘My Early Beliefs’, essay 255
paradox of thrift 124
psychology and 246
Treatise on Probability 255
knowledge
and instinct 255
as product of mind 254
stocks 171
Korea 235
land and stock price index, 1982–98 242
land bubble of 1990s, affordable housing threat 241
national and intra-national cross-border financial imbalances 239–43
Seoul, intra-national asset flows 238
world-class industrial economy 241
labor casualization 92
labor-power selling 85
labor shortage 77
labor, subsumption of, to finance 97
laissez-faire 90
Lehman Brothers
Austrian School solution, 2008 129
lenders of last resort 39–41, 120, 132, 147
central bank 89
Federal Reserve System 208
Intervention 223, 228
lender’s risk 112, 185–6, 203
lending capacity of banks 233
lending, irresponsible 128
leveraged durable asset 123
leverage of banks, increased 113
lever ratio 91
lever use, curtailment 129
leveraging, income through 37
leveraging, Minsky on 127
liabilities 10
linear econometric studies 179
linearity of technology 198
liquid assets 224
liquidity 5, 225
  crisis prevention
    Federal Reserve System responsibility 42
liquidity of economy, reduced 110
liquidity preference 111–12, 114, 126
liquidity, psychological attitude to 255
liquidity requirement 226
liquidity squeeze 16
loan non-payment 222
loan of reserves 10
loan pools 19
loans and credit evaluation economy 163
loans, ‘nonperforming’ 177
long positions 12
Long-Term Capital Management (LTCM), 27, 50–51, 127, 130, 206
long-term interest rate, real risky 145
low-skilled workers, training 77
macroeconomic downturns 228
macroeconomic equilibrium 199–200
macroeconomic growth 223
macroeconomic programs
government intervention 52
macroeconomics 188
macroeconomics, open
  Malaysia, Mexico, Korea 229
macroeconomic strategies 78
macroeconomic system 153, 186, 191
mainstream price theory 123
manufacturing relocation 93
marginal loan unit 122
market capitalism 208
market economies 86, 104, 208
market equilibrium 248
market forces 49–51
  and discipline 21
market funding 18
market imperfection 248
market innovations 19
market liquidity, drop in 118
market makers 38
market mechanisms, structural
  problems 77
  economic instability 47
  unemployment 47
  unfair distribution 47
market-oriented societies
  financial and investment sectors 172
market power 265
Markovian expectations
  multiple-equilibrium system 213–15
Marshall Plan 271
mathematical economic theory, Minsky on 153
mathematical models 173, 178, 180
medium-run 209–10
mental processes 250
microeconomics 183
micromanagement 79
military expenditure
  after Twin Towers attack 94
  Reagan Administration 93
military power and financial arrangements
  portfolio transactions 265–6
mind as locus of ideas 254
minimum hours 67
minimum wage 67
Minneapolis bridge collapse 79
Minsky, Hyman
  crises 222–44
cycles 243
emotional finance and 246–59
*John Maynard Keynes* 1
  Keynes and 207–9, 256
legacy 202–3
modern history and 269–74
1960 analysis 32–3, 206
*Stabilizing an Unstable Economy* 1,
  103, 227
Minsky Moment
  predicting Federal policy 138
Minsky’s world of complex decision-making 102
Minsky/Wicksell Modified Taylor Rule (MWMTR) 2, 135, 143–4, 147, 150
easy money episode 148
Federal tightening, 2003–05 149
US monetary policy, 1979–2000 138
Modigliani–Miller (MM) irrelevance proposition 186
Monetarist Experiment 6, 16–20, 50
monetary economy of production Keynesianism 208
monetary policies 136, 207
asymmetric 135
Federal Reserve System 41–2
Minsky on 41–2
restrictive 93, 107, 109
tight, 1980s, US 272
monetary production economy 48–9
monetary sovereignty of federal government 55
monetary system 36
breakdown 73
money
and credit creation 153
financial power 49
gold or fiat 165
non-neutrality of Keynes’s theory 84
purchasing power 49
quantity and velocity
potential borrowers 108
riskless asset 36
view of, as a good 255
money into finance 86
money managers
institutional investors 97
money market
and innovative bankers 105
interest rate 107, 160
money policy and banking innovation 107–11
money supply curve 110
money supply growth targets
open market operations 136
monitoring probability 203
moral hazard in financial sector 47, 50, 61, 139, 149
business risks 61
decrease in labor force participation 61
moral sense and self-command 254
mortgage assets 15
rise in as share of private assets 43
mortgage-backed securities (MBS) 21
mortgage crisis 31–46
mortgage finance 120
mortgage industry 51
mortgage institutions 129
mortgage loans 19
mortgage market, 2005–07 1, 122
secondary markets 17
mortgages
with flexible interest rates 95
securitizations of 44
multi-agent modeling and
heterogeneity 190
multi-agent models 191
multiple-equilibrium system 213
Napoleonic Wars 269
national army in Europe 269
‘nationalization’ temporary of failing institutions 26
National Resources Planning Board (NRPB) 70, 72
nation-state 263–5
nation states in Europe 269
natural economic unit
nonfinancial business firms 33
negotiable order of withdrawal (NOW) accounts 13
Neo classical Synthesis of 1950s and 1960s
Keynesianism 47
net worth 188, 203
neuroscience 247, 250–53
neutral real risk-free short rate 141
neutral real short-term interest rate 139
‘new capitalism’ and Minsky 96–8
New Consensus 48, 52
New Deal financial reforms 17, 24, 28, 67–70, 88, 90, 127
‘Big Government/Big Bank’ 27
‘new economy’ 91
United States 94
Non-Accelerating Inflation Rate of Unemployment (NAIRU) 136
non-bank intermediaries (merchant banks)
Korea 241
nonlinear dynamical systems 3, 178
nonlinear econometrics 178
‘non-specialist human’ (Keynes)
‘average’ consumer 156
Index 287

normal asset valuation reality-based cognition 257
North Atlantic Treaty Organization (NATO) 271
novelty as emotional spur 256
nuclear bomb, deterrent power 271
occupations, ‘flexible’ 93
oil boom 1970s, US 272
oil price leaps 137
open economies, financial stability in 223, 237–8
open market sales 11
optimal response player 156
optimism, spontaneous versus mathematical expectation 255
optimum asset structure for household 37
optimum liability structure for firm 37
Organisation for Economic Co-operation and Development (OECD) 241
output growth of US economy 209
outsourcing 93
overdraft insurance 10
overoptimism 172
parameters of the simulations 215
parametric information 224
parametric linearity 179
passage of time 174
patent law 161
pay-out ratios of firms 65
penalties 159
Penn Central bankruptcy 172
pension fund capitalism 92
pension funds 94, 121
dominant players in US and world economy 97
persuasion, process of 254
physical sciences 170
pleasure/pain principle 253
Ponzi classification scheme 1
finance 63, 88, 119, 175, 206, 263, 266
financing unit 120, 122, 128–9, 189
schemes 268
Ponzi-squared phase 122–3
marginal borrowing unit 123
portfolio investment 233
portfolio transactions 266
post-Keynesian horizontalism 110, 111
post-war expansion 16
poverty redistribution 77
Primary Dealer Credit Facility (PDCF) 45
primary security dealers 41
‘primary wave’, Schumpeter on 8
private and public sector cooperation
socialization of investment 66
private assets 39
private consumption 97
private corporate bonds and fixed interest liabilities 43
private debts created by financial intermediation 37–41
private enterprise 63
private equity funds 27, 117
dominant players in US and world economy 97
private investment 68, 96
private liabilities 34
debt and equity 33
private portfolio management 37
private sector and full employment 75
growth of 14
process innovation 164
production and reproduction 172
productivity growth slow-down 90
productivity of firms 90
profit opportunity 87
for banks 105
profit-seeking business, banking 24, 110
property valuation 120
prosperity and crash, difference 225
protection for debt owners 34
psychology and economics 247
integrated approach 253–6
‘psychology of the market’, Keynes 256, 258
public liabilities 34–7
public sector 124
purchasing power increase 120
quantity of money increase 108–9
R&D 90
radical product innovation 163
random players 156
random shocks 49
rating agency profits 92
rational and irrational players 248
rational calculation, or affect 251
rational choice theory 248–9
rational expectations 102–3, 207
rationality
  on behavior of banks 103
  heuristics and decision-making 251
irrationality 253, 259
  of Minsky’s banker 105
Real Business Cycle (RBC) 191
real estate
  assets 1
  boom 18, 175
  inflation 97
  markets, US 20, 31, 39, 95–6, 134
  prices 35
    increase rate 44
real exchange economy 48–9
reality-based thinking 257–8
real long rate, risky 144
real short rates, shifts over time 140
real time 224
reason/emotion 253
reasoning, inductive and deductive 252–3
recession 16
Reconstruction Finance Corporation 127
reductionism, value and limits of 166
regime switching 208–10
regional economic growth pattern 230–32
relationships with asset bubbles 231
regulated markets 130
Regulation Q ceilings 13–15
relationship banking 19, 27
relationships, cross-border 230
Representative Agent (RA) 183
  assumption 196, 201–2
  macroeconomics 190
repurchase agreements 108
reserves 9–12
residential property prices, higher bids 121
resource redistribution 165
reverse Minsky journey 123–4
risk 21–2, 37, 102
  after benign conditions 119
  attitudes to 251
  expectation of 246
risk-averse behavior of firms, banks,
  and financial intermediaries 38, 87
risk-free
  credit spreads, risky 143, 147
  interest rate 186
risk of borrower and of lender 112
risks, economic and financial 88
risk seeking behavior 120
risk-taking, excessive 128, 271
risky behavior and crisis 263
Roosevelt Administration 67
  federal government expenditure
    68–70
  fiscal and monetary strategies 74
  gold control 73
  unpreparedness of (Keynes) 68
Russian crisis, 1998 94
savings-and-loan crisis of 1980s 238
savings institutions 36
Schumpeterian finance and innovation 6–9
Schumpeter, Joseph Alois 153
  theory of economic development
    6–9
science, motivation for scientific
  knowledge 253–4
Scottish Enlightenment 255
  modern psychology as stemming
    from 253
Scottish Enlightenment, key figures
  David Hume, Adam Smith 253
‘secondary waves’ 8
Securities and Exchange Commission (SEC)
  Keynes on 67
securities market
  private nonfinancial debt 19
securitization 19–22
  Minsky on 22
  rise 16–20
selective credit policy 98
self-interest 254
  and collective interest 264
self-regulation as deregulation 128
sentiment and reason, interdependence 255
sentiment constraining action 254
services
finance for housing and consumers 23
payments system 23
secure outlets for savings 23
‘shadow banking sector’ 9, 120–22, 125, 128
collateralized debt obligations (CDOs) 120
deleverage 124
hedge funds 120
investment banks 120
‘shadow banks’ 23
short positions 12
short-term credits, failure to renew 232
short-term interest rates, rise 88
simulations 215
skilled labor and higher capital areas
product and income generation, higher 231
Smith, Adam
aesthetic sense 254
social need for investment 64–5
South Sea Bubble 172
sovereign’s balance sheet 125
spatial borders, relations 229
‘spatialization’ of Minsky’s model 224, 235–6
spatial segmentation 229
special purpose vehicles (SPVs) 21
speculation 1, 88, 128
on asset prices 223
on future valuation 171
speculative booms 17
speculative conflict 272
speculative finance 175, 189, 263, 266
‘speculative-financing’ units, Minsky 88
speculative positions
risks on military and financial front 268
speculative profile, country with 267
speculative units 120, 189
stability and instability, intrinsic 49
stability in economic system 119
stabilization policy 51
US big government 53–63
stagflation 17, 91
stagnationist tendency of 1980s 93–5
Standard & Poor’s (S&P) 121
standardized contracts 130
standard product innovation 164
state
as ‘employer of last resort’ 90
retirement system, dismantling of 92
securities 89
statistical inference 173–4
statistical method, modern 175
statistical social science 169
steady states 212–13
steady state value of two regimes, model 216
stock market crash, 1987 16
stock market crash, 2000 16, 160
structural equations, simulations 215
structuralism 78
structured instrument vehicles (SIVs) 21
student loans 28
subconscious motivation for behavior 255
subcontracting 93
sub-prime buyers 122–3
sub-prime crisis 2007–08 43–5, 92, 100, 223, 229
sub-prime-financed housing boom, 2004–06 229, 232, 234
sub-prime mortgage business 31, 125
supremacy of Britain in 19th century 269
symmetry of information 101
systemic instability 263–75
systemic risk 132
system risk, regulatory reduction 128–30
tax incentives for employment stimulation 75, 77
tax law 161
Taylor equations 210, 217
Taylor Rule, 1990s 138–9
failure of 137
headline versus core inflation 136–8
technologies and weaponry in Europe 269
Term Securities Lending Facility (TSLF) 45
theory of investment determination, Minsky 184

time deposit business
commercial banking system 15, 36
transfer payments 55, 61

Treasury, borrowing from Federal Reserve System 41

Treasury Inflation Protected Securities (TIPS) 140–41
forward yield 142

Treasury’s balance sheet 124
trust and distrust in institutions 258
Twin Towers attack 94

uncertainty
environment of 102
Keynesian 114, 157–8, 208, 224–5
risk, coexistence 208
role of 218

unconscious mind, emergence of Scottish Enlightenment 254

underwriting standards, degradation 121–2

unemployment 47, 73, 209
and federal fiscal position 76
and purchasing power 66
unemployment rate 197
uneven growth 231

United Nations Security Council 271
universal banking 24
university endowments 121

United States
banking regulation reform 129
big government era from World War II 227

California
intra-national asset flows 238
dollar revaluation 93
economy, 1930s 149
government securities 15
Midwestern ‘rustbelt’, 1980s 232
military power 273
monetary policy, 1979–2000 134
money market, defect
conventional home mortgages 38–9

small government era, Civil War to Depression 227

utility function and emotion
loss aversion 250

velocity rise of money 108–9
venture-capital funds
dominant players in US and world economy 97

Vietnam War, 1960s
speculative position of US 272
violation of circular flow 165
Volcker, Paul, central banker 136

wage bargaining rules 65
wage deflation, US and Europe 93
wage-price inflation 134, 149
wage rate
salaries 86
source of income for household 197
stability 64
wages, assault against 92
wage stagnation 93
wage-workers 85

Wall Street Journal 1
Wall Street money managers
casino operators 28

War on Poverty (Johnson) 74, 77
wars 269
welfare and unemployment insurance 64
welfare provisions 92
welfare state dismantling 93
welfare system reform 98
Wicksellian long rate 141
Wicksellian natural rate 141
Wicksell Modified Taylor Rule 142, 146

workforce utilization 92–3
World Bank 222, 271
World War II
economic history 270
expansion after 20
hedging behavior 271
US entry, and economy after 14, 70