Index

Titles of publications are in *italics*.

abilities, policies affecting 169
additionality test 30
administrative burdens 170
Advanced Technology Program (ATP) 29–30, 181–2
Aghion, P. 67
appropriate institutions 64, 88
Arrow, K.J. 19–20
Åstebro, T. 59
asymmetric information
and funding problems 58, 175
and market failures 30–31
ATP (Advanced Technology Program) 29–30, 181–2
Audretsch, D.B. 2, 3, 95, 96, 100, 147, 195, 200, 209
Auerswald, P.E. 24, 26–7, 30
BAIKEM microsystems innovation network 210
BAIKUM environmental technology
innovation network, Bavaria 210–11
Band of Angels 23
bankruptcy legislation 156–7, 170–71
Baumol, W.J. 65, 66
Bavaria, entrepreneurship policy 200–211
innovation clusters 208–11
institutions 204–5
policy measures 205–8
Bavarian Technology Promotion Program (BAYTP) 206
Bayern Innovativ company 205
Bayern International program 205–6
Bayern Kapital 206–7
Bayh–Dole Act 45–6, 180, 186
BAYTOU programme 206
benchmarking performance indicators 155–6
Bendick, M. 61
bequest taxation 168
Bercovitz, J. 189–90, 195
Bergström, F. 80
BioRegio program, Germany 48
Birch, D. 39, 84, 95
Blanchflower, D.G. 55
Boadway, R. 57, 58
Branscomb, L.M. 24, 26–7, 30
Brown, M.A. 217
Buffett, W. 59
Bureau van Dijk (BvD) 146
business angels 168
Band of Angels 23
business education 169
business environment for entrepreneurship 147, 150–53
effect on performance 153–4
Business Opportunities and policy framework 4, 6, 7
business ownership and per capita GDP 100
business start-ups, see start-up firms
business taxes 170
buyout markets 168–9
Canada, new firm entry 145
capabilities and policy framework 4, 6
capital
and economic growth 38
and entrepreneurship 150
policy areas affecting 168
capital taxes 168
*Capitalism, Socialism and Democracy* (Schumpeter) 66
Carree, M.A. 6, 32, 67, 100
Carter, N.M. 96
Casson, M. 101
channels of public intervention 9–11
Choice Filter and policy framework 6
Clarke, B.R. 195
Coase, R. 23, 29, 30
codified knowledge, protection of 21
collaborative research arrangements 135–6
competition and entrepreneurship 19
competitive advantages, US 172–3
contests for cooperation, Germany 47–8
correlation analysis, policy areas and
context and entrepreneurship policy 119–23
contracting for technical information 23–5
correlation analysis, policy areas and
performance 154–5
crowding out of private sector saving 55
culture, policies affecting 171
Darby, M. 195
Davidsson, P. 84
Davis, K. 31, 36
Index

Davis, S.J. 76
de Meza, D. 57–8
Degroof, J.J. 190
Delmar, F. 84
deregulation 167
determinants of entrepreneurship 4, 100–102
developing countries, growth policies 38
Di Gregorio, D. 190
diffusion of entrepreneurial economy 42–3
direct support of innovation activity 134–5
disincentive effects of welfare state 68–9
E-extension policy approach 108, 110–12
early stage technology funding 26–7, 175–7
EC entrepreneurship indicators 103–4
Eckhardt, J. 96
economic growth
and entrepreneurship 65–8, 99–100
and entrepreneurship disincentives, Sweden 81
German Länder 203
and knowledge (Romer) economy 41–2
policy, Sweden 69–71
Solow economy (capital-driven) 38–9
economic outcome variables 120
‘Economies as an antitrust defense: the welfare tradeoffs’ (Williamson) 38
education and entrepreneurship policy, Bavaria 206
Egan, M.L. 61
Eigenkapitalhilfe-Programm 47
Eliasson, G.E. 99
Elite Network of Bavaria program 206
employee protection, Sweden 80
employment choices 6
Enable: Enable European Entrepreneurship program 50
endogenous growth theory 64, 69
enterprise policy evaluation 213–31
Shell Livewire programme 217–30
STEP programme 216–17
Entrepreneurial Activities (Discrepancy) 6–7
entrepreneurial economy 2
diffusion 43
entrepreneurial income taxation, Sweden 71–3
entrepreneurial motivation 171
Entrepreneurial Regions, Germany 49–50
entrepreneurial vitality variables 121
entrepreneurs, support for, Germany 48–9
entrepreneurship
business environment 147, 150–53
and competition 19
definition 65–6, 96–7, 130, 143
determinants 4–7, 100–102
and economic growth 65–8, 99–100, 143
factors affecting 150–51
international comparisons 98–9
and public policy 130–38
scope of 98–9
in the welfare state 64–88
entrepreneurship education 169
entrepreneurship finance, see funding
entrepreneurship incentives 77–9, 87, 150
entrepreneurship indicators 103–4
Sweden 81–4
entrepreneurship infrastructure 169
entrepreneurship performance
international comparison 145–7
measurement 142–7
entrepreneurship policy
Bavaria 200–211
compared with SME policy 105–6
department 119–23
definition 2–3, 44–5, 105
economic rationale 102
evolution 36–7, 40–42, 95–6
foundations 104
frameworks 3–7, 107–8, 151–9
Germany 47–50
inappropriate 56–7
instruments 44–50
outcome measurement 114–15
policy areas 151–3, 167–8
policy areas evaluation 153–8
problems 54–6
scope of 103–4
structures 115–16
typologies 108–14
US 130–38
entrepreneurship policy comprehensiveness (EPC) 116–19, 123, 135
entrepreneurship promotion
EU 36
Germany 50
entrepreneurship study 97–8
entry barriers deregulation 167
environmental technology innovation network, Bavaria (BAIKUM) 210–11
EPC (entrepreneurship policy comprehensiveness) 116–19, 123, 125
equilibrium rate of entrepreneurship 6–7
Esping-Andersen, G. 88
European Commission entrepreneurship indicators 103–4
European Paradox 42, 200
European Union (EU)
Enable program 50
knowledge investment and growth 42
new firm entry data 145
excludable goods 20
Exist program, Germany 48
Exist Seed program, Germany 48–9
Feldman, M. 195
finance, see funding
firm turnover, and economic growth 67
fiscal incentives 170; see also tax incentives
Flanders, R. 25
foreign markets access 167
foreign students, role in US innovation system 173–4
framework of entrepreneurship policy measures 3–7, 107–8
Franklin, S. 193
Friedman, J. 189
Fritsch, M. 102, 201
Frosch, R. 32
funding
access to 8
early stage technology development 24–5, 26–7, 174–7
entrepreneurship, Bavaria 206–7
Future Bavaria Campaign 204–5
Gabr, H. 150
Galbraith, J.K. 65, 66
Gale, W.G. 55
Gartner, W.B. 96
GDP and business ownership rate 100
Germany
entrepreneurship policy 47–50
policy framework analysis 158
see also Bavaria
Gerschenkron, A. 71
Global Entrepreneurship Monitor (GEM) 81–2, 145–6
Gompers, P.A. 25–6
Good, M. 25–6
government agencies, small business and entrepreneurship 45
government intervention
channels 9–11
dangers of 60–61
see also entrepreneurship policy; policies; policy areas
government production of income-elastic services 75
Griffing, B. 175
Grilo, I. 98
group-specific initiatives 171
growth, see economic growth
Hart, D.M. 101, 103, 126
health insurance deductibility 57
Hébert, R.F. 130
Henderson, R. 20
Henrekson, M. 76, 84
heroes, communication about 171
Hewitt-Dundas, N. 214
high-growth firms, data 146–7
High-tech Bavaria Campaign 205, 207
Hoffmann, A. 146, 150
holistic entrepreneurship policy 113–14
Holtz-Eakin, D. 74
household-related services and entrepreneurship, Sweden 75–7
Howitt, P. 67
Hsu, D.H. 28, 33
human capital and entrepreneurship policy, Bavaria 206
human resources and university technology transfer 197
imperfect appropriability 20–23
In Search of Excellence (Peters and Waterman) 43
incentives
disincentives of government policies 55–6
and entrepreneurship 87, 150
for necessity entrepreneurship 77–9
policies affecting 169–71
for savings in welfare state 73–5
for university technology transfer 189, 197
income-elastic services, Sweden 75
income sources, Sweden 81
income tax, effect on entrepreneurship 56
individual entrepreneurs, support, Germany 48–9
individual wealth formation, incentives 73–5
industry level entrepreneurship study 4
information, contracting for 23–5
information asymmetries
and funding problems 58, 175
and market failures 30–31
infrastructure
for entrepreneurship 169
lack of as challenge to entrepreneurs 25
innovation
obstacles to 174–6
and student trends, US 173–4
innovation gap, role of policy 25–9
innovation networks, Bavaria 208–11
innovation policy
negative effects 56–7
US 172–83
see also entrepreneurship policy
innovation support as public/private partnership 134–5
innovation systems, Germany 49–50
Index

instruments for entrepreneurship policy 44–50
international competition and
entrepreneurship policy 40–41
intervention, dangers of 60–61
invention to innovation transition (Valley of
Death) 24–5, 175–6
Invest in Bavaria program 205–6
Irigoyen, J.M. 98
Jacobsen, H. 76
Jacobsson, S. 84
Jagrén, L. 82
Japan, knowledge investment and growth 42
Jensen, R. 189
Johansson, A.L. 70
Johansson, D. 84
Junge, M. 146
Kaiser, U. 146
Keen, M. 58
Keilbach, M. 100
Kirzner, I.M. 65, 130
Knight, F.H. 32, 65
knowledge-driven economy (Romer model)
41–2
knowledge externalities and entrepreneurship
policy 8–9
Knowledge Spillover Theory of
Entrepreneurship 41–2
knowledge spillovers 20–23, 175
and economic growth 41–2
Kompetenznetze program, Germany 50
Koppl, R. 96
Korea, high-growth firms 147
Kouriloff, M. 220
Kreditanstalt für Wiederaufbau (KfW) 47
labour market regulation 170
labour productivity and firm entry and exit 143
Lach, S. 189
leakage of knowledge, see knowledge spillovers
learning externalities and entrepreneurship
policy 9
Lehmann, E.E. 209
Lerner, J. 25–6, 28, 61
Leung, M.W.H. 56
Li, W. 55
life sciences
innovation networks 208–10
university technology transfer 195
Life Sciences Bavaria 209–10
Lindbeck, A. 68, 86
Lindert, P. 64
Lindh, T. 74
Link, A.N. 130, 187–9
loans 168
Lockett, A. 193
Louis, K.S. 195
Lowrey, Y. 97, 99
Lucas, R.E. 55
Lundström, A. 44, 45, 98, 116, 140, 147, 151
Machlup, F. 130
macro level entrepreneurship 4
Magnusson, L. 70
Malone, D.E. 190
managed economy 2
Manove, M. 59–60
marginal benefits as criteria for funding
entrepreneurship 54–5
marginal impact test 30
market entry deregulation 167
market failures 18–19
and entrepreneurship policy 29–31, 102
in technology entrepreneurship 19–25
Markman, G. 194
Marshall, A. 21
Meager, N. 214
Medoff, J. 84
micro level entrepreneurship study 4
microsystems innovation network (BAI KEM)
210
Miller, B. 220, 221
Minniti, M. 96
Mole, K.F. 216
Moore, G. 31, 36
Morgenthaler, D. 27
Morris, M. 96
motivation
for entrepreneurship 150–51
policies affecting 171
for research, as challenge to entrepreneurs 24
Mowery, D. 1, 46
Mueller, P. 102
multifactor productivity, effect of firm entry
and exit 143
municipal tax equalization scheme, Sweden 80
Murphy, K.M. 66
Nam, C.W. 205
National Cooperative Research Act, US 135
necessity entrepreneurship, incentives 77–9
Nelson, R.R. 29
Nerkar, A. 194–5
network externalities 8
new firms
creation policy approach 112
and productivity 143
see also start-up firms
new technology-based firms Sweden 84

David B. Audretsch, Isabel Grilo and A. Roy Thurik - 9781847206794
Downloaded from Elgar Online at 03/28/2019 02:25:32AM
via free access
nichetarget group policies 112–13
Nicoletti, G. 67
North, D.C. 64

O’Shea, R. 193
occupational decisions 6
OECD entrepreneurship indicators 103–4
Ohlsson, H. 74
opportunities
and entrepreneurship 150
policy areas affecting 167
optimism, unrealistic 59–60
organizational incentives, university technology transfer 197
organizational levels, entrepreneurship policy 44–5
organizational structure and university technology transfer 189–90
over-investment problems 57–9

Padilla, A.J. 59–60
Parker, S. 61, 102
patenting assistance, Bavaria 207
performance indicators
entrepreneurship 143–5
entrepreneurship policy 153–7
Perry, C.W. 57
Peters, T. 43
Piggott, J. 76
policies
discouraging start-ups 57–60
entrepreneurship, see entrepreneurship policy
policy areas
affecting abilities 169
affecting capital 168
affecting culture/motivation 171
affecting entrepreneurship 151–3
affecting incentives 169–71
affecting opportunities 167
data sources 162–6
political economies of entrepreneurial policy, Sweden 69–71
private demand conditions 167
procurement regulation 167
Prodi, R. 1, 36
productivity, effect of entrepreneurship 143
public intervention
channels 9–11
economic rationale 7–9
public/private partnerships 130–37
direct innovation support 134–5
research joint ventures 135–6
tax incentives 132–4
technology infrastructure 136–7

regional networks, Germany 47–8, 49–50
Reitberger, G. 84
Reiter, S. 33
research joint ventures (RJVs) 135–6
research and technology transfer policy, Bavaria 207–8
resource allocation and university technology transfer 196–7
resource-based view of the firm, and university start-ups 193–4
restart possibilities policy 156–7, 169
Reynolds, P.D. 77, 95, 96, 99, 100, 146, 220, 221
Rickne, A. 84
Rising Above the Gathering Storm (National Academies report) 173
rivalrous goods 20
Roberts, E. 190, 195
Robinson–Patman Act 39
Roine, J. 70, 81, 88
role models 171
Romer, P.M. 21, 29
Romer economy 41–2
Roper, S. 214
Rosen, H.S. 57
Sapir, A. 68
savings incentives in welfare state 73–5
SBIR (Small Business Innovation Research Program) 134, 177–81
Scarpetta, S. 67
Schankerman, M. 189
Schmitz, J.A. 100
Schumpeter, J.A. 65, 66
scope of entrepreneurship 98–9
self-employment, Sweden 81
Severiens, J.C. 33
Shane, S. 96, 97, 190, 194–5
Shapero, A. 104
Shell Livewire programme evaluation 217–30
Sherman, G.R. 33
Siegel, D.S. 187–9, 194
Silberman, J. 189
Silicon Valley 43
skills and entrepreneurship 150
Small Business Act, US 39
Small Business Innovation Research Program (SBIR) 57, 134, 177–81
small business policy 44–5
small businesses as source of innovation, US 174
SME policy
compared with entrepreneurship policy 105–6
Solow economy 36–9
social costs of over-optimism 59–60
social security discrimination 170
Sokol, L. 104
Solow economy, SME policy 36–9
Spence, M. 175
standards provision as public/private partnerships 136–7
star scientists, role in firm start-ups 195–6
start-up firms
discouraging 57–60
support programs, Germany 47
at universities 190–96
Steinmo, S. 64
STEP programme evaluation 216–17
Stevenson, L. 44, 45, 98, 116, 140, 147, 151
Stiglitz, J. 58
stock markets 168–9
stock options as entrepreneurship incentive 73
Storey, D.J. 214
structure variables 120–21
students, role in US innovation system 173–4
subsidies, effect on entrepreneurship 79–80
Sweden
Employment Security Act 80
household-related services and entrepreneurship 75–7
incentives for entrepreneurship 71–81
incentives for savings 74
income-elastic services 75
knowledge investment and growth 42
political economies of entrepreneurial policy 69–71
taxation of entrepreneurial income 71–2
welfare state 68–9
tax equalization scheme, Sweden 80
tax incentives
for entrepreneurship 56, 169–70
as public/private partnerships 132–4
tax policy, impact on entrepreneurship 72–3
business taxes 170
capital taxes 168
personal income tax 169–70
Sweden 71–2
wealth and bequest taxation 168
taxation
of entrepreneurial income, Sweden 71–3
of savings, Sweden 74
technical information, contracting for 23–5
technologist–business manager disjuncture 24
technology infrastructures as public/private partnerships 136–7
technology transfer offices (TTOs) 186
technology transfer policy 167
Bavaria 207–8
see also university technology transfer
Thurik, A.R. 2, 3, 32, 65, 95, 96, 98, 100, 101, 126, 147, 200
Total Entrepreneurship Activity index (TEA) 145–6
training and entrepreneurship policy, Bavaria 206
transactions as measure of entrepreneurship policy success 30
Tremblay, J.-F. 57
turnover of firms and economic growth 67
under-investment 57–8
unemployment and entrepreneurship policy 40–41
unemployment assistance programs, problems of 61
United Kingdom
corporation tax 56
new firm entry data 146
universities, start-up firms 193
United States
bankruptcy legislation 157
Economic Recovery and Tax Act 134
entrepreneurial economy diffusion 43
entrepreneurship policy 45–6
high-growth firms 147
innovation support 172–83
National Cooperative Research Act 135
new firm entry 145
public/private partnerships 130–37
small business policy 39
university technology transfer 186
universities and SBIR 179–80
university technology transfer 186–97
Bavaria 207–8
effectiveness studies 187–90
unrealistic optimism 59–60
Utterback, J.M. 84
Valley of Death period 24–5, 175–6
value creation as challenge to entrepreneurs 25
Venkataraman, S. 97
venture capital 26, 27–8, 28–9, 73, 168, 176
Bavaria 206–7
Verheul, I. 101, 147
vocation training, Bavaria 206
Wainwright, J. 55
Waldenström, D. 81
Waterman, R. 43
wealth taxation 168
Sweden 72
Webb, D.C. 57–8
Weiss, A. 58
welfare state
   and economic growth 64
   and entrepreneurship policy, Sweden 69–71
   and incentives for entrepreneurship, Sweden 71–81
   Sweden 68–9
Wennekers, S. 65, 67, 101, 126

Westhead, P. 55
Whalley, J. 76
Williamson, O. 38
Wright, M. 55, 193

Zazzaro, A. 56
Zeckhauser, R.J. 23, 24
Zucker, L. 195