Index

Aaltonen, M.  47
ABB 224, 255, 256–7, 258, 260, 263, 266
Abernethy, D.B.  xiii
Abo, T.  140
Abolafia, M.Y.  133
Abramovitz, M.  24, 237
absorptive capacity 105, 128
classic academic journals 102
Academy for Technology Assessment 194–5
active labor market policy 297–8
acto-centered functionalism xiv
Adema, W. 297
Adler, P.S.  140
advertising 106–7
Advocacy International xvii
AGA 256
age dependency ratios 287–8
agency xi, 34
agglomeration economies 295
taggregate demand 26
Aghion, P. 235
AGIL scheme 74–5
agriculture 167, 294
Alaanen, I.  68
Alasuutari, P.  84, 117
Albrecht, J.  247
Aldrich, H.E.  xvi
Alexander, J.C.  63, 65, 69, 75
Alfa Laval 256
Alford, R.R.  xii
alienation 39, 189
Allardt, E.  58, 67
allocation efficiency 12, 25
allocation functions 230
Almond, M.  39, 42, 43, 44, 45, 47
Anderson, C.  96
Andersson, T.  227
anti-trust legislation 133
Aoki, M.  11
Area-based Response to Long-Term Unemployment 297–8
Archer, C.  33, 103, 104, 108
Arrow, K.J.  226
Arthur, W.B.  25, 161
arts 39–40, 41, 43, 109
see also artists
arts 97, 109–10
see also artists
asbestos damages 260
AssaAbloy 256
asset prices 214, 248, 250–51
Astra Zeneca 252, 256
Atlas Copco 256, 257, 260
Audi 172
Audretsch, D.B.  164, 205, 246
Australia
GDP per capita 18–19
growth of GDP per capita 16
structural competitiveness of 30
Austria
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
automation 148
automobile industry see Germany;
Japan; US automobile industry
Automotive News 138, 140
Bacho 256
Baden-Württemberg 5, 159–204
conceptual framework guiding analysis 161–6
conclusion and perspectives 199–204
data on economic development in 169–71
description of region 160
development of new industrial clusters in 196–9, 200–201, 203
institutional environment of 182–92, 201–2
lean production as new Leitbild of restructuring 177–80
new challenges in the 1980s 174–6
production system in, as example of flexible specialization model 171–4, 203
reasons for studying 159–60
roots of production and innovation model in 166–9
servicization of the industry 180–82, 201–2
technology and innovation policy in 192–6, 202–3
Ballot, G. 247
Baltic Stock Exchanges 257–8
banking sector, Finnish 89
Barley, S.R. 39
Barnes, B. 124
Barro, R. 15
Barry, F. 293
Bartlett, C. 142
Bassanini, A.P. 164
Baumol, W.J. 235, 246
Bechtle, G. 167, 168, 172, 178, 190
Beck, U. 14
Beckert, J. 60
Belgium
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 285
growth of GDP per capita 16
imports and exports 285, 286
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
Bell, D. 1
benchmarking 98, 100, 115
Benson, K.J. 37, 39
Berger, P.L. ix, xi, 59
Berggren, C. 177
Bernsneider, W. 193
Biggart, N.W. xvi
BioRegions 198–9
Biotage 253
biotechnology
cluster in Baden-Württemberg 198–9, 200
competence blocs in Sweden 222, 223–4, 251
as input into other industries 239
Boelcke, W.A. 167
Bohm, D. 36, 37, 38, 39, 41, 113
Boli, J. xvii
Bonoli, G. 55
Bosch 180, 197
Bourdieu, P. ix, 53, 64
Boyer, R. 200
Braczyk, H.-J. 173, 177, 178, 189, 193, 195
Bradley, J. 293, 294
Brâncenark method 271
Braverman, H. 136
Brinton, M.C. 124
broadband mobile Internet 255
Brödner, P. 177
Brown, J.S. 148
Bruijn, H. de 38, 39, 43, 45, 114
Brunsson, N. xvii
Brusco, S. 205
Bundesministerium für Bildung, Wissenschaft, Forschung und Technologie 183
Burenstam-Linder, S. 235
Bush, George Herbert Walker 144, 145, 149
Bush, George W. 75, 152
business mistakes 229, 232
CAFE standards 145, 146, 148, 151
Callan, T. 287
Callon, M. 55, 59
Campbell, J.L. ix, xii, xviii
Canada
GDP per capita 18–19
growth of GDP per capita 16
structural competitiveness of 30
Capio 253
capital markets 82, 86
Carlsson, B. 205, 217, 239, 270
Casson, M. 111
Castells, M. 1, 53, 58, 66, 72, 82, 161–2
Catalonia region 193
<table>
<thead>
<tr>
<th>Index</th>
<th>307</th>
</tr>
</thead>
<tbody>
<tr>
<td>catching up theory 15–16</td>
<td>competence blocs 72, 222, 249</td>
</tr>
<tr>
<td>related to intensive Kondratievs 19–24</td>
<td>in the Experimentally Organized Economy (EOE) 224–49</td>
</tr>
<tr>
<td>Celler–Kefauver Act (1950) 133</td>
<td>of the Lake Mäler economy 5–6, 223–4</td>
</tr>
<tr>
<td>central design authority 99</td>
<td>restructuring in 249–66</td>
</tr>
<tr>
<td>Central Statistics Office 283</td>
<td>as resource allocator 241</td>
</tr>
<tr>
<td>centralized wage bargaining 290, 300</td>
<td>vertically complete and horizontally varied 237, 238, 250–51, 260, 262, 264, 265, 266</td>
</tr>
<tr>
<td>chance/change without control 67</td>
<td>competence trap 188–9</td>
</tr>
<tr>
<td>Chang, H.-J. 26, 45, 112, 114, 116</td>
<td>competitive corporatism 290–91</td>
</tr>
<tr>
<td>charisma 65, 66</td>
<td>competitiveness</td>
</tr>
<tr>
<td>Chinoy, E. 136</td>
<td>drivers of 13–14</td>
</tr>
<tr>
<td>Chomsky, N. 106, 107</td>
<td>indicators 27, 28</td>
</tr>
<tr>
<td>Christensen, C.M. 11, 24, 27</td>
<td>computing and communications</td>
</tr>
<tr>
<td>Chrysler bailout 146, 150</td>
<td>(C&amp;C) industry, Swedish 222, 223–4, 251, 254–5, 260</td>
</tr>
<tr>
<td>Chrysler Loan Guarantee Act (1979) 146</td>
<td>conception of control (CoC) 125, 133–4, 141, 149</td>
</tr>
<tr>
<td>Chrysler Loan Guarantee Board 146</td>
<td>conceptual and theoretical approach 101</td>
</tr>
<tr>
<td>CIM 173</td>
<td>confederations of industry 183–4</td>
</tr>
<tr>
<td>citizens' accounts 217</td>
<td>conflict management, government role in 116</td>
</tr>
<tr>
<td>Clark, K. 140</td>
<td>conflicts of interest 69</td>
</tr>
<tr>
<td>Clayton Act (1914) 133</td>
<td>constructs 147</td>
</tr>
<tr>
<td>Clean Air Act (1970) 145</td>
<td>contract workers 140</td>
</tr>
<tr>
<td>clusters see industrial clusters</td>
<td>Cooke, P. 172, 184, 190</td>
</tr>
<tr>
<td>Coase, R.H. 231</td>
<td>cooperative model of conflict regulation 187, 189, 190, 202</td>
</tr>
<tr>
<td>codable knowledge 233</td>
<td>coordination efficiency 12, 25</td>
</tr>
<tr>
<td>cognitive consonance 96</td>
<td>corporate headquarters, location of 257–8, 262</td>
</tr>
<tr>
<td>cognitive dissonance 36, 37, 40, 43, 96, 99, 128</td>
<td>corporate tax rates 294, 299</td>
</tr>
<tr>
<td>cognitive lock-in 162</td>
<td>corruption 133</td>
</tr>
<tr>
<td>cognitive paradigms xiii</td>
<td>cost–benefit analysis 98</td>
</tr>
<tr>
<td>Cohen, W. 103, 105</td>
<td>Courtney, D. 290</td>
</tr>
<tr>
<td>Coleman, J.S. 52, 132, 244</td>
<td>Cowling, K. 83</td>
</tr>
<tr>
<td>collective learning 3, 4, 33–4</td>
<td>creative destruction 114, 224, 228</td>
</tr>
<tr>
<td>experience, information and 95–7</td>
<td>in Finland 89</td>
</tr>
<tr>
<td>factors limiting 37</td>
<td>four mechanisms of 225, 232</td>
</tr>
<tr>
<td>policies facilitating 52, 73, 74, 97–116</td>
<td>institutions and 231, 241, 242, 262</td>
</tr>
<tr>
<td>research on 104</td>
<td>in Sweden 215, 223</td>
</tr>
<tr>
<td>to support new technorconomic paradigm 165</td>
<td>credit and insurance system 168</td>
</tr>
<tr>
<td>Collins, R. 66, 75</td>
<td>Credit Suisse First Boston 150</td>
</tr>
<tr>
<td>Commons, J.R. 124, 131, 246</td>
<td>cross-border alliances 14, 52</td>
</tr>
<tr>
<td>communication media, collective learning shaped by 97, 106–8</td>
<td>cults 41</td>
</tr>
<tr>
<td>communities 95</td>
<td></td>
</tr>
</tbody>
</table>
cultural-cognitive elements xi, 34, 61, 75, 130
see also cultural structure
cultural columnization 69, 70, 73
cultural determinism 62, 63, 64, 126, 127
cultural frames xiii
cultural innovation 59
cultural refraction 69, 70, 73
cultural specification 69, 70
cultural structure 56, 59, 61, 62, 68, 70, 75
see also cultural-cognitive elements
cultural system, in Baden-Württemberg 189–91
cultural trauma 68, 73
culture, as institution 129
culture policy 109–10
customer competence 234–5, 254
Czarniawska, B. xiii
Czechoslovakia 16
Daft, R.L. 114
Daimler-Benz 177, 180, 188
Daimler-Chrysler (DCX) 126, 135, 139, 140, 148, 151, 152, 172
Chrysler bailout 146, 150
David, P.A. xvi, 161, 162
Day, R.H. 230, 241
de Soto, H. 245, 246
debt–GDP ratio 284, 290
decentralization of negotiations 188–9
decentralized regional network economy 159–60
defined benefit plans 151
demographic structure 56, 57, 59, 287–8
Denmark
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
GNP per capita 218
growth of GDP 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural competitiveness 30
unemployment rate 284
dental competence bloc 254
dependence theory viii
deregulation 26, 81, 86, 220
Dertouzos, M.L. 13, 140
Deutsche Telekom 197
diagnostic part 44
dialogue, creative 113–15
Diamond, J. 57
diffusion xv
digital networking 179
DiMaggio, P.J. ix, xi, xiv, 59, 60, 124, 127
discourse analysis 103–4
discursive coordination 177, 202–3
distributed production 248, 256, 262
diversified quality production model 159, 174
Djelic, M.-L. xvii
Dobbin, F. xvi
Dohse, D. 198
Dore, R. xvii
Dosi, G. 161, 164
Double-Kondratiev waves 17–27
Douglas, M. 131
Dowd, D.F. 134
Doz, Y. 114
Drori, G.S. xvi
Duguid, P. 148
Dunn, J.A. 143, 146
Dunnett, P.J.S. 146
Dunning, J.H. 83
Durkan, J. 289
Durkheim, E. 58, 64, 65, 68
Dyer, D. 140
Dyer, J.H. 140
dynamic allocative efficiency 233
dynamic efficiency 228, 232, 237
Earthfirst xvii
economic action 65–6, 67
economic growth see growth
economic innovation 59
economic rigidities 37
economic structure 56, 57–8
Economist 280
Edquist, C. 205
Edquist, H. 220
education
  collective learning shaped by 97, 108–9
  Finnish system 81
German system 142, 168, 173, 184–6, 193, 201–2
Irish system 280, 288–9
as social capital 245
Swedish system 218
US expenditure on 138
Western view of 261
efficiency vs equity xii, 6, 27–8, 86, 88
efficient markets 12
Eisenhower, Dwight D. 144, 149
Eisenstadt, S.N. 47
Electrolux 256, 257, 260, 261
electronics industry 159, 172, 176, 178, 183, 197, 200, 295
Eliasson, A. 225, 229, 233, 234, 236, 240, 246, 252, 254, 258, 260, 270
emigration 290
Emirbayer, M. xi
emission regulations 145
employment–population ratio 283, 284
enclaves 131
Energy Policy and Conservation Act (1975) 145
engineering industry, Swedish 223–4, 251, 255–6, 260, 262
Enköping 256
entertaining art 110
entrepreneurship xv–xvi, 235
see also institutional entrepreneurs
entropy xii
environment
influence of 24, 34–5, 39, 41, 56–7, 59
monitoring changes in 98–9
Environmental Protection Agency (EPA) 145
equity vs efficiency xii, 6, 27–8, 86, 88
Ericsson 224, 254, 255, 257, 258, 260, 263
Eskilstuna 256
established social theories, challenges to 14–17
Etzioni, A. 37, 43, 46, 47, 96, 102, 131
European Commission 196, 282, 284, 285, 286
European Monetary Union (EMU) 86, 290
European Single Market 174, 294, 300
European Union 35, 58, 72, 86, 192–3
age dependency ratios 287–8
Common Agricultural Policy (CAP) 294
debt–GDP ratio 284, 290
employment rates 284
GDP per capita 282–3
growth of GDP 283–4, 285
growth of GNP 218, 221
imports and exports 285, 286
Ireland’s location within 282–7
Ireland’s membership of 294
Regional Policy 294
social protection expenditure 297, 298
Stability and Growth Pact 291
Structural Funds 294
unemployment rates 283, 284, 290
Eurosclerosis 12
Eurostat 285, 298
evaluation studies 98
Evans, P.B. viii
evolutionary change 17, 34, 35
in stable environments 35–8
evolutionary theory 148
Experimentally Organized Economy (EOE) 214–15, 216, 224
competence blocs in 224–49
modules making up theory of 227–8
exports 82, 86, 170, 180, 285, 286
extensive Kondratievs 17, 18–19, 26
external business activities 25, 28, 29, 32, 33
face-to-face communication 114
Fairbanks, M. 33, 35, 39, 42
Federal Highway Corporation 144
Feldman, J. 99
Ferrera, M. 298
Festinger, L. 36, 40–41, 96
Fiat 140
financial services industry, Swedish 250, 251, 257–8, 259
financial system in Baden-Württemberg 186–7
Fine, C.H. 140
Finland
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
GNP per capita 218
growth of GDP 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural change in 4, 80–93
combining social innovation and hegemonic change
perspectives 90–92
emergence of a new mental paradigm in the 1980s 84–8
social innovations or hegemonic change? 88–90
structural adjustment and increasing competitiveness
80–84
two perspectives on 93
structural competitiveness of 28, 30, 81
unemployment rate 284
Fiol, C.M. xvi
first order learning 96, 101
Fitz Gerald, J. 294
flexi-Fordism 173, 200, 205
flexible developmental state 295–7, 299
flexible specialization model 159, 160, 171–4, 203
Fligstein, N. 125, 133–4, 135
Flik, R. 167
Florida, R. 111, 140
Fogel, R.W. 14
Foray, D. 161
Ford Motor Company 126, 135, 136, 138, 139, 140, 141, 148, 151
Fordism 173, 200
foreign direct investment (FDI) 14, 52
in Finland 82–3, 86
in Ireland 281, 282, 283, 293–4, 295, 296, 299, 300
in Sweden 215, 220, 222, 253–4, 260, 262, 264, 268, 269
France
age dependency ratios 288
employment rate 284
GDP per capita 15, 18–19, 282
GNP per capita 218
growth of GDP 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural competitiveness of 28, 30
unemployment rate 284
Freeland, R.F. 141
Freeman, C. 1, 2, 11, 14, 15, 17, 23, 24, 25, 27, 47, 58, 162, 163, 165, 226
Fridh, A. 263, 271
Friedland, R. xii
Friedman, L.M. 132
Fuchs, G. 178, 179, 181, 191, 196, 197, 198, 200, 203
fuel taxes 144–5
Fujimoto, T. 140
Fukuyama, F. 111
Fuld, L. 99
Futia, C.A. 235
Gabor, A. 141
Gagel, S. 173
Galbraith, J.K. 44, 45, 46, 112
Galli, R. 164, 165
Gardner, H. 33, 37, 39, 40, 41, 42, 43, 44, 45, 109
Garfinkel, H. 59
Garud, R. 161, 165
Geertz, C. xvii
Geissler, K.A. 185
Gemeinschaft 129
General Electric 252, 253–4, 263
General Motors 126, 135, 136, 140, 143, 145, 148
generalization 63–4, 73, 69–70
Germany
age dependency ratios 288
automobile industry 142, 159, 167, 170, 172, 175, 176, 177–8, 180, 183, 185, 188, 194, 199, 200
education system 142, 168, 173, 184–6, 193, 201–2
employment rate 284
GDP per capita 15, 18–19, 218, 282
growth of GDP 285
growth of GDP per capita 15, 16
imports and exports 286
<table>
<thead>
<tr>
<th>Service Sector</th>
<th>180–82, 183, 201</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Protection Expenditure</td>
<td>298</td>
</tr>
<tr>
<td>Structural Competitiveness</td>
<td>28, 30, 33</td>
</tr>
<tr>
<td>Unemployment Rate</td>
<td>284</td>
</tr>
</tbody>
</table>

*See also* Baden-Württemberg

Gerschenkron, A. viii

Gersick, C.J. 33

*Gesellschaft* 129

Ghoshal, S. 110, 114, 142

Giddens, A. x, xi, xviii, 53, 55, 64, 71, 128

Gill, D. 270

Glete, J. 259

Global Entrepreneurship Monitor 2002 (GEM) 259

Gordon, R.J. 227

Gothenberg 253, 254

Goto, A. 142

Government, role of

- changes in 72, 83–4, 85, 86, 88, 193–4
- in conflict management 116
- and economic growth 13, 27–8, 29, 32, 33
- in Germany 167–8, 193–4, 202–3
- in path creation 165–6
- in Sweden 217
- in three Double-Kondratiev waves 22
- in US automobile industry 143–7, 150, 151–2

Government of Ireland 294, 297

Gow, D. 188

Grabher, G. 162

Grammel, R. 196

Granovetter, M. x, 60, 66

**Greece**

- age dependency ratios 288
- employment rate 284
- GDP per capita 18–19, 282
- growth of GDP 284, 285
- growth of GDP per capita 16
- imports and exports 286
- social protection expenditure 298
- structural competitiveness of 31
- unemployment rate 284

Griliches, Z. 235

Grinyer, P.H. 134

Growth of Baden-Württemberg region 170–71

- diversity of long-term 215–16
- drivers of 13–14
- in the Experimentally Organized Economy (EOE) 224–30, 237–41
- GDP growth rates of various countries 283–4, 285
- GDP per capita growth rates of various countries 15–16
- government policy and growth in Ireland 280–81
- making new and small businesses the growth engine of Sweden 216–20
- neoclassical theory of 15
- structural competitiveness and 27–33, 42

Grupp, H. 183, 201

Guillén, M.F. viii, xvi, xviii

Habit 64, 66, 128

Hakkarainen, K. 40, 108, 109

Hall, P.A. ix, xvi

Hämäläinen, T.J. 1, 2, 11, 12, 13, 14, 15, 17, 23, 25, 27, 28, 29, 34, 36, 38, 39, 41, 42, 46, 47, 52, 53–4, 55, 59, 72, 73, 93, 96, 98, 104, 105, 111, 112, 113, 114, 117, 162, 163, 164, 165

Hamilton, G.G. xvi

Hannan, M.T. xvi

Hardiman, N. 290

Hargrave, T.J. 33, 34, 35, 38, 39, 44, 47, 114

Harrison, L.E. 11, 33

Hassard, J. 55

Hauser, A. 40, 109

Haveman, R. 245

Hayek, F. A. von 269

Health, as social capital 245

Health industry

- competence blocs in Sweden 251, 252–4, 260
- technologies used in 240

Healthcare expenditure 138

Healthcare obligations 150–51, 152

Heidelberg 198

Heidenreich, M. 182, 183, 184, 192
Heikkilä, T. 47
Heilbroner, R. 14
Heinemann, F. 184
Heiskala, R. 1, 2, 28, 52, 55, 59, 63, 65, 73, 74, 75, 93
Held, D. 1, 71
Helkama, K. 84, 88
Helsinki metropolitan area 89
Helsinki Stock Exchange (HSE) 82
Heimerjick, A. 301
Henrekson, M. 270
Heritage, J. 69
Herman, E. 106, 107
Herrigel, G.B. 171
Hewlett-Packard 172, 197
Hietaniemi, T. 75
high technology industries
attracting to Ireland 293
in Baden-Württemberg 176, 183, 184, 194, 200
in Finland 85, 86
in Sweden 266
highway building 143–4, 265–6
Hilbert, R.A. 68
Hilpert, U. 160
Himanen, P. 82
Hirst, P. 166
Hoffman, A.W. x
Hofmann, J. 180
Hofstede, G. xi
Hollingsworth, E.J. 96, 112
Hollingsworth, R. 96, 112
Holmes, J. 140
Honda 138, 139, 142, 152, 154
Horwitz, M.J. 132
Hovenkamp, H. 132
Howes, C. 152
Howitt, P. 235
Huff, A.S. 33, 35, 37, 38, 39, 42, 43, 44, 46, 134, 147
Huff, J.O. 33, 36, 37, 38, 39, 42, 43, 44, 46, 134
Hungary 16
Huntington, S.P. 11, 33, 69
Huolman, M. 83
hybrid cars 139, 142
hybrids 131
Hyytinen, K. 100, 102, 103
Iacocca, Lee 146
IAW/ZEW 185
IBM 172, 197, 226, 237, 239
ideal types 60
ideas
communication of 45
development of new ideas 42–4
importance of x, xii–xiii
legitimacy of 45
ideology, shared 107
immigration 170, 253, 265, 268
import quotas 137
imports of various EU countries 285, 286
income differences 26, 89, 92, 216, 217, 281, 285–7, 292, 297
increasing returns 24–7, 54–5
incremental change/evolution 67
individual responses 40–41
industrial clusters 25
in Baden-Württemberg 172, 184, 194, 195, 199
development of new industrial clusters 196–9, 200–201, 203
in Finland 82, 84, 89
social capital in context of 111, 112
Industrial Development Authority 293
industrial districts 205
industrial relations system in Baden-Württemberg 187–9, 202
industry recipe, US auto industry 5, 125, 134, 135–6, 141–2, 147–53, 154
inertial costs 47
inflation 28, 29, 32
information and communication technologies (ICT) 14, 71, 89, 185, 186
see also computing and communications (C&C)
industry, Swedish
information paradox 230
Inglehart, P. 189
Ingrassia, P. 140, 141
inheritance taxes 265
innovation
definition of 53–6, 226
markets for 240
see also cultural innovation;
  economic innovation;
  normative innovation;
organizational innovation; regulative innovation; social innovation; techno-economic innovation; technological innovation

innovation competition 176
institutional change xi–xiii
   reactions to 67–8
   two different models of 126–7
types of 67
institutional elements ix–xi
institutional entrepreneurs 34, 42–4, 68
   personality of 44–5
see also entrepreneurship
institutional framework 25, 28, 29, 32, 33
institutionalist approach 199
   advantages of ix
   and economic success of Baden-Württemberg 199–200
focus of research 14
to social innovations and enhanced performance 60–64
institutions
   definitions of ix–x, 34, 60–62, 127, 129–31
instrumental approach 101
Intel 239
intellectual property rights 241, 246
intensive Kondratievs 17, 18, 19–24
interactive approach 199, 200
Interactive Video Services Stuttgart (IVSS) 197
interest groups 36, 37, 44, 46, 66, 72, 80, 99, 153, 194, 244
interest rates, long-term 28, 29, 32
Intermodal Surface Transportation Efficiency Act (ISTEA) (1991) 145
Internet 60, 106, 140, 255
invention 54
investment opportunities space 228, 229–30
Iraq, war in 75
Ireland
   active labor market policy 297–8
   age dependency ratios 287–8
   debt-GDP ratio 284
difference between GNP and GDP 283
educational policy 280, 288–9
employment rate 283, 284
flexible developmental state and liberal welfare state in 295–9
GDP per capita 18–19, 282–3
GNP per capita 218
growth of GDP 283–4, 285
growth of GDP per capita 15–16
location within EU and transformation of economy 282–7
National Development Plan 294
openness of economy 284–5, 286
poverty in 285–7
social partnership in 289–91, 296, 298, 300
stages in development of 291–2
social protection expenditure 297, 298
state’s developmental role in 6, 292–5, 299–300
structural change in 6, 280–300
structural competitiveness of 28, 31
unemployment rate 283, 284
Irish National Anti-Poverty Strategy 286
ISA 253, 265
Italy
   age dependency ratios 288
   employment rate 284
GDP per capita 15, 18–19, 282
growth of GDP 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural competitiveness of 28, 31
unemployment rate 284
IUI 216, 217, 244, 259, 264, 268
Iver, F. 196
Jacobsson, B. xvii
Jagren, L. 220
Jakobsson, U. 270
Janis, I. 37
Japan
   automobile industry 141–2, 145, 146, 177
   GDP per capita 15, 18–19
knowledge intensive business services (KIBS) 181–2, 183, 201
knowledge vision 113
knowledge workers 151, 152, 179
Kodama, F. 142
Kogut, B. 161
Kondratiev, N. 17
Koppenjan, J.F.M. 166
Krantz, O. 218, 244
Krauss, G. 182, 183, 184, 192, 195, 198
Krugman, P. 296
Kuhn, T.S. 102
Kuitunen, S. 100, 102, 103
Kumar, P. 140
labor costs 175, 178, 180, 188
Laitmäki, J. 11
Lake Mälar region, competence blocs of 5–6, 223–4
restructuring in 249–66
Lampinen, O. 100, 101, 102, 103, 104, 116
Lang, C. 167, 168, 172, 178, 190
Lange, O. 269
language, as institution 129, 241
Lash, S. 1
Laszlo, E. 43
late-industrialization arguments viii
Latour, B. 55, 57, 59
Lauder, H. 101
Law, J. 55
Lawrence, P.R. 140
Lay, G. 173, 181
Layte, R. 287
Leadbeater, C. 99, 100
lean production technology 140, 141, 149, 177–80
learning organizations 115
Lee, D.R. xvi
Leff, N. ix
legitimate behavior 47
Leibenstein, H. 47
Leibinger, B. 168, 169, 190
Lengel, R.H. 114
Levinthal, D. 103, 105
Lilja, K. 188
Lind, D. 220
Lindblom, C.E. 36, 96, 101, 102, 103
Lindmark, M. 244
Lindsay, S. 33, 35, 39, 42
Index

Lipponen, L. 40, 109
Lipsy, R.G. 24, 25
Littleton, A.C. 132
lock-in 24, 111, 162, 192, 259
Lombardia region 193
London Stock Exchange 257, 258
long socio-economic cycles 3, 16, 17–27
Lonka, K. 40, 109
Louca, F. 1, 11, 58
Luckmann, T. ix, xi, 59
Luhtakallio, E. 93
Lullies, V. 185
Lundvall, B.-A. 161, 199, 239
Luxembourg
age dependency ratios 288
employment rate 284
growth of GDP 285
imports and exports 285, 286
social protection expenditure 298
unemployment rate 284
Lytotard, J.-F. 66
Maastricht criteria 290, 291
macro-organizational approach 72, 83
macroeconomic policies 12, 116, 193
Maddison, A. 15, 16
Maier, H.E. 168
Mäki, T. 40, 110
Malinvaud, E. 233
management schools, Swedish
international firms as 261–2
Mann, M. 55–6, 64, 65, 66, 75
March, J.G. ix, xi, 127, 148
market failures 12
market power 54, 55, 131, 137, 142–3
market size 233
Martin, R. 111
Marx, K. 57, 62–3, 104, 233
material (technological) determinism
62–3, 64, 126
Matthew, St 66
Maynard, M. 136
Mayntz, R. 166
McClarence, E. 271
McGee, J. 147
McKenzie, R.B. xvi
Mead, G.H. 65
mechanical engineering industry 159,
167, 170, 172, 175, 178, 180, 183, 199, 200
media and communication policies 97, 106–8
Media- and Filmgesellschaft Baden-Württemberg (MFG) 196
Menger, C. 229, 241
mental paradigm 36, 162
creation of new 43–4, 46, 84–8, 96–7
included in cultural structure 59
rigidities in 4–5, 11–12, 24, 37, 39, 41, 111
Mercedes Benz 177–8
mergers and acquisitions 133, 238, 258, 260
Merton, R.K. 67
metal industry 187–8
metaphors 114
Metcalf, S. 161, 165
Meyer, J.W. ix, x, xiii, xv, xvi
Micronic 255
Miettinen, R. 72
Milberg, W. 14
Mische, A. xi
mobile telecommunications 254–5
mobilization processes 47
modernization theory viii
modular sub-systems 99
Moe, T. ix, xiv
Mohr, H. 198
monopoly rents 229
moral dissonance 36, 40
Morgan, K. 172, 190, 194
MOSES model 227, 247
Mowery, D.C. 138
MTI 83, 88
muckrakers 43
multimedia cluster in Baden-Württemberg 196–8, 200, 203
Murmam, J.P. xvi
Nader, Ralph 145, 150
Nahapiet, J. 110, 114
Naschold, F. 159, 173, 174, 175, 178, 185, 189, 190
nation state 57, 58, 66, 246–7
National Anti-Poverty Strategy 287
national business systems 5
National Competitiveness Council 294, 299
national culture, Finnish 85, 87, 88
National Economic and Social Council (NESC) 284, 289, 290
National Employment Action Plans
298
National Highway Traffic Safety Administration (NHTSA) 145
national innovation systems 72, 181
National Research Council 140
natural environment 34, 35, 39, 41, 56–7, 59
Nee, V. ix, 124
negative coordination 172
negative feedback 107
Nelson, R.R. xvi, 134, 161, 199, 231, 239
neoclassical approaches viii–ix, 12, 14, 15, 60–61, 116, 226, 227, 228, 233, 235
NESC see National Economic and Social Council (NESC)
nested hierarchies 33, 34–5, 127
Neter, J. 29
Netherlands
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 285
growth of GDP per capita 16
imports and exports 285, 286
social partnership in 301
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
network externalities 25
network relationships 14, 52
in Baden-Württemberg 179, 191, 194, 197, 202
emergence of more complex 57
facilitating policies 97, 110–12, 191, 194
in Finland 86
in flexible developmental state 295, 296
in flexible specialization model 172
policy networks 166
social capital and 38, 110–12
Neuer Markt 187
New Deal 133, 149
New Economy
conditions for successful entry into
226–7, 267
management task in 261
opportunities offered by 218
problems of entering 214–16
receiver competence necessary to
enter 224
technologies associated with 222, 223
new institutionalists 14, 58, 60, 124, 128
new technology see technological innovation
New Zealand
difference between GNP and GDP 283
GDP per capita 18–19
structural competitiveness of 30
Nissan-Renault 140, 152, 154
Nixon, Richard Milhous 63, 69
NobelBiocare 254
Nokia 197, 254–5
Nolan, B. 286, 287, 292
non-governmental organizations (NGOs) 58
Nonaka, I. 75, 113, 114
Normann, R. 148
normative innovation 59
normative structure x–xi, 34, 56, 58–9, 61, 62, 70, 130
North, D.C. ix, x, 11, 14, 33, 38, 39, 46, 58, 60, 104, 129, 132, 231, 246
Norway
GDP per capita 18–19
growth of GDP per capita 16
structural competitiveness of 30
NUMMII 140
O'Connor, J.S. 292, 297
O'Hearn, D. 296
O'Leary, J. 289, 295
O'Riain, S. 295–7, 299
Odagiri, H. 142
OECD 15, 28, 72, 161, 186, 221, 283, 284, 292, 296, 297, 299
‘off-shoring’ 140, 152
Ohmae, K. xvi
oil crisis/prices 144, 216, 226, 244, 261
Okimoto, D.I. 142
Okun, A.M. 6, 27
Index

Oliver, C. xi, 39
Olsen, J.P. ix, xi
Olson, M. 36, 37, 44, 45, 46
OM 257
OMX 257–8
Open Source development networks 97, 99–100
organizational analysis, comparative 105
organizational approach 199, 200
organizational culture, learning-oriented 97, 115
organizational efficiency 25, 28, 29, 32
organizational innovation 53
organizational principles and arrangements 62
organizational trajectories 161–2
organizations compared with institutions 230, 231
as source of power 44, 45–6
Orren, K. 152
Orrù, M. xvi
Ostrom, E. ix
Ouchi, W.G. 131
Oulu region 89
over-engineering 185
Pajarinen, M. 82, 83
Pakes, A. 235
Palier, B. 55
Palonen, K. 66
Palonen, T. 109
Parsons, T. 55, 58, 63, 65, 74–5
patent applications 183
path creation 5, 162–5
  changing role of state in 165–6
path dependency xvi, 5, 39, 161–2
Patriotta, G. 140, 148
Pavitt, K. 162, 251
Peat, D. 41, 113
Péirce, C.S. 65
Pekruhl, U. 177
Pelikan, P. 231
pension obligations 150–51, 152
Perbio Science 254
Perez, C. 1, 2, 11, 14, 17, 23, 24, 27, 58, 162
perfect markets 13
Peters, B.G. ix, x
pharmaceutical industry

competence blocs in Sweden 251
  technologies used in 239–40
Pharmacia 252, 254
  withdrawal from Uppsala 223, 258–9, 260, 262–4
Pharmacia Biotech 253, 254, 262
physical infrastructure 265–6, 268
Pierson, P. ix, xiv
Pietism 168–9
Piori, M. 171
planned economy 84, 86
Platt, G.M. 58, 63, 75
Pohjola, M. 81
Polanyi, K. 60, 66
Polanyi, M. 75
policy networks 166
political decision making processes 102–3, 242
political lock-in 162
political regulation 65, 66, 67
political struggle 44–6
pollution 55, 126, 143
  regulations controlling 145
Ponzi schemes 133
Porsche 172
Porter, M.E. 39, 47, 182
Portugal
  age dependency ratios 288
  employment rate 284
  GDP per capita 18–19, 282
  growth of GDP 284, 285
  growth of GDP per capita 16
  imports and exports 286
  social protection expenditure 297, 298
  structural competitiveness of 31
  unemployment rate 284
positive theory of institutions xiii–xiv
Powder, R. 111
poverty rates 285–7
Powell, W.W. ix, xiv, 59, 60, 124, 127
power
  collective 56, 70–71, 72–3, 128
  corporate and managerial 129–34
  different viewpoints on role of 128–9
  distributive aspect of 56, 70–71, 128, 129
  instruments for using 44
  as a resource 55–6, 70–71
  social institution ameliorating 124

Timo J. Hämäläinen and Risto Heiskala - 9781847206992
Downloaded from PubFactory at 09/18/2023 02:23:43AM
via free access
<table>
<thead>
<tr>
<th>Source of 44–6</th>
<th>US auto industry 135, 149–50, 152, 153</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private corporations</td>
<td>Conception of control (CoC) 125, 133–4</td>
</tr>
<tr>
<td></td>
<td>Emergence of 132–3</td>
</tr>
<tr>
<td></td>
<td>Legislation limiting power of 133</td>
</tr>
<tr>
<td></td>
<td>Privatization 218, 242, 244</td>
</tr>
<tr>
<td></td>
<td>Product market sophistication 25, 28, 29, 32</td>
</tr>
<tr>
<td></td>
<td>Product variation 234</td>
</tr>
<tr>
<td></td>
<td>Production possibilities frontiers 229, 232</td>
</tr>
<tr>
<td></td>
<td>Productive forces, development of 57</td>
</tr>
<tr>
<td></td>
<td>Productive resources 25, 28, 29, 32</td>
</tr>
<tr>
<td></td>
<td>Profit centers 177, 179</td>
</tr>
<tr>
<td></td>
<td>Prognostic part 44</td>
</tr>
<tr>
<td></td>
<td>Programs xiii</td>
</tr>
<tr>
<td></td>
<td>Progressive art 109–10</td>
</tr>
<tr>
<td></td>
<td>Progressive taxation 91</td>
</tr>
<tr>
<td></td>
<td>Property rights 230, 231, 241, 245, 246</td>
</tr>
<tr>
<td></td>
<td>Prophets 43, 66</td>
</tr>
<tr>
<td></td>
<td>Public goods and services 36, 38, 62, 99, 112, 115, 217, 243–4</td>
</tr>
<tr>
<td></td>
<td>Public investment 27–8</td>
</tr>
<tr>
<td></td>
<td>Public sentiments xiii</td>
</tr>
<tr>
<td></td>
<td>Putnam, R. 245</td>
</tr>
<tr>
<td></td>
<td>Pyke, F. 171</td>
</tr>
<tr>
<td>Quack, S. xvii</td>
<td>Quality circles 178</td>
</tr>
<tr>
<td>Radical change/revolution</td>
<td>67</td>
</tr>
<tr>
<td>Radical knowledge</td>
<td>See transforming knowledge</td>
</tr>
<tr>
<td>Raff, D.M.G.</td>
<td>140</td>
</tr>
<tr>
<td>Railways</td>
<td>266</td>
</tr>
<tr>
<td>Rational choice</td>
<td>xiv–xv</td>
</tr>
<tr>
<td>Reagan, Ronald W.</td>
<td>145, 146, 149</td>
</tr>
<tr>
<td>Real division of possession</td>
<td>167</td>
</tr>
<tr>
<td>Regulative innovation</td>
<td>59</td>
</tr>
<tr>
<td>Regulative structure</td>
<td>x, 34, 56, 58, 59, 61–2, 130</td>
</tr>
<tr>
<td>Regulatory framework</td>
<td>62</td>
</tr>
<tr>
<td>Reich, R.B.</td>
<td>152</td>
</tr>
<tr>
<td>Relational systems</td>
<td>xiii</td>
</tr>
<tr>
<td>Relations of production</td>
<td>57</td>
</tr>
<tr>
<td>Religious institutions</td>
<td>131, 168–9, 244–5</td>
</tr>
<tr>
<td>Ren, O.</td>
<td>178, 179, 181, 191, 200, 203</td>
</tr>
<tr>
<td>Research, social science</td>
<td>97, 100–106</td>
</tr>
<tr>
<td>Research and development</td>
<td>in Baden-Württemberg 179, 182–4, 201</td>
</tr>
<tr>
<td></td>
<td>in Finland 86</td>
</tr>
<tr>
<td></td>
<td>Location in Sweden 252</td>
</tr>
<tr>
<td></td>
<td>Resources</td>
</tr>
<tr>
<td></td>
<td>Competence bloc as allocator of 241</td>
</tr>
<tr>
<td></td>
<td>Productive 25, 28, 29, 32</td>
</tr>
<tr>
<td></td>
<td>As source of power 44, 45</td>
</tr>
<tr>
<td></td>
<td>Retraction 67, 68, 73</td>
</tr>
<tr>
<td></td>
<td>Reuter, Edzard 188</td>
</tr>
<tr>
<td></td>
<td>Revolutionary change 17, 34, 35</td>
</tr>
<tr>
<td></td>
<td>During paradigm shifts 38–46</td>
</tr>
<tr>
<td></td>
<td>Rhône Alpes region 193</td>
</tr>
<tr>
<td></td>
<td>Risk, attitudes to 190–91, 199, 214</td>
</tr>
<tr>
<td></td>
<td>Ritualism 67, 68, 69, 70</td>
</tr>
<tr>
<td></td>
<td>Road building 143–4, 265–6</td>
</tr>
<tr>
<td></td>
<td>Rodrik, D. 116</td>
</tr>
<tr>
<td></td>
<td>Rogers, E.M. 53, 54</td>
</tr>
<tr>
<td></td>
<td>Roland, G. x</td>
</tr>
<tr>
<td></td>
<td>Romanelli, E. xvi</td>
</tr>
<tr>
<td></td>
<td>Romer, P.M. 134</td>
</tr>
<tr>
<td></td>
<td>Rosenberg, N. 138</td>
</tr>
<tr>
<td></td>
<td>Rostow, W.W. viii</td>
</tr>
<tr>
<td></td>
<td>Roth, S. 188</td>
</tr>
<tr>
<td></td>
<td>Routines xiii, 114, 299</td>
</tr>
<tr>
<td></td>
<td>Rowan, B. ix, x, xv</td>
</tr>
<tr>
<td></td>
<td>Rowthorn, B. 26, 45, 112, 114, 116</td>
</tr>
<tr>
<td></td>
<td>Roy, W.R. 134</td>
</tr>
<tr>
<td></td>
<td>Ruuska, P. 84</td>
</tr>
<tr>
<td></td>
<td>Sabel, C.F. 159, 164, 171, 179, 185, 186, 205</td>
</tr>
<tr>
<td></td>
<td>Sahlin-Andersson, K. xiii</td>
</tr>
<tr>
<td></td>
<td>St John, C.H. 111</td>
</tr>
<tr>
<td></td>
<td>Sala-I-Martin, X. 15</td>
</tr>
<tr>
<td></td>
<td>Salter, W.E.G. 270</td>
</tr>
<tr>
<td></td>
<td>Salter curve 269, 270</td>
</tr>
<tr>
<td></td>
<td>Sanctions 58, 59, 61, 62, 66, 130</td>
</tr>
<tr>
<td></td>
<td>SAP 172, 197</td>
</tr>
</tbody>
</table>
Särimner effect 229–30
Scania 256, 257, 260
Schäfer, M. 180
Scharpf, F.W. 199
Schell, T. von 198
Schluchter, W. 65, 75
Schön, D.A. 14, 33, 39, 40, 41, 42, 43, 45, 46, 47, 95, 98, 106, 113
Schöngen, K. 185
Schoonhoven, C.B. xvi
Schroeder, R. 64
Schumann, M. 173, 174
Schumpeter, J. 17, 53, 74, 164, 224, 226, 229, 235, 239, 240
Schutz, A. 59, 147
Scott, W.R. ix, xii, xiii, xvii, 14, 33, 34, 39, 42, 43, 47, 61, 104, 130
second order learning 96–7, 108, 115
SEL-Alcatel 172, 197
selective corporatism 193
self-invention 179
self-organization 194, 202
Selznick, P. 131
Semlinger, K. 173, 174, 182
Senge, P. 37
Sengenberger, W. 171
sense-making xv
Seo, M.-G. 33, 34, 38, 42, 44, 124, 127, 129
service sector 180–82, 183, 201
Shake Loose Hypothesis 224, 248–9, 254, 259, 263–4
shared experiences and information 96
shared ideology 107
shared vision 97, 112–15
Shepsle, K.A. xiv
Sherman Act (1890) 133
Shnayerson, M. 139
Simon, H.A. 127, 148
Simonde de Sismondi xvii
Single European Market 174, 294, 300
Sjöstrand, S.-E. xii
small pilot projects 97, 99
Smelser, N.J. 60, 75
Smith, Adam 104, 233, 245
Smith, J. xvii
Smith, K. 199
Smith, Roger 148
social capital 38, 96, 110–12, 114, 226, 228, 244–5, 248
social conditioning 44, 45–6, 112, 113
social inclusion 291, 292, 298
social innovation
approaches to studying xiii–xvii, 60–64
definition of 3, 60–61, 74
in Finland 88–9, 90–92
as key to economic development 33
structural reproduction, change and 64–71
theory of social innovation process 33–5
third industrial revolution and 71–3, 74
social insurance 245
social norms 58–9, 63
social order, reactions to 67–8
social partnership, Irish 289–91, 296, 298, 300
stages in development of 291–2
social protection expenditure 297, 298
social rigidities 38
societal reproduction 67, 68, 72–3
sources for 64–7
sociology 14–15, 58, 60
Södertälje 224, 251, 252, 256
Soete, L. 24, 251
software industry, Irish 295, 296
Sony 197
Soskice, D. ix, xvi
Soviet Union 16, 81, 89
Spain
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282–3
growth of GDP 284, 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 297, 298
structural competitiveness of 31
unemployment rate 283, 284
specialist subcontractor supplies 256–7
specialization
in Baden-Württemberg 169, 170, 172, 181
increasing specialization of social sciences 102
increasing specialization of work 96, 98, 111
and productivity 233
specification–generalization scale 63–4
structural approach emphasizing 199
in Swedish engineering industry 256
Spender, J.-C. 125, 134, 147, 148
spillovers 38, 102, 238–9, 246, 249, 255, 256, 266
Springer, R. 203
stable knowledge 96
Stahlecker, T. 198
Stankiewicz, R. 205
starting point, and economic growth 24, 28, 29, 32–3
Statistisches Landesamt 183
Steffensen, B. 172, 174
Steinbeiss Stiftung für Technologietransfer 184
Stigler, G.J. 233
Stiglitz, J.E. 12, 99, 107, 112–13, 114
Stockholm 224, 249, 251, 252, 254, 255, 256, 259, 263, 265, 266
Stockholm Stock Exchange 256, 257, 264
Strambach, S. 181, 195
Strang, D. xiii
strategic groups 147
strategic policy intelligence (SPI) 97, 98–9, 115
Streeck, W. 159, 174
structural adjustment capacity 6, 24, 97, 110, 126–7, 128
and economic growth 27–33
structural approach 199
Structural Funds 294
structural lock-in 162
structural rigidities 12
structuralist-functionalist tradition 58
structuration theory x, xi, 53, 56, 128
structures
definition of 34
types of 56–60
Sturm, R. 192, 193, 194
Stuttgart region 159, 160, 181, 196–8
subsidies 192–3
Suchman, M.C. xv, 42, 47
Sugden, R. 83
sunk costs 24
Sunley, P. 111
supranational institutions 111
Swedberg, R. 53, 54, 60, 64
Sweden
age dependency ratios 288
education system 218
employment rate 284
entering a new and immediate economy 214–69
case of all Sweden 266–9
history determines the economic geography 220–23
making new and small businesses the growth engine 216–20
problems of entering a new economy 214–16
restructuring in the Lake Mäler region 249–66
three industrial competence blocs of the Lake Mäler economy 5–6, 223–4
GDP per capita 15, 18–19, 282
GNP per capita 218, 221
growth of GDP 285
growth of GDP per capita 16
growth of GNP 218, 221
imports and exports 286
manufacturing production 218, 219, 220
public sector 217
R&D intensity 182
social protection expenditure 298
social science research in 116
structural competitiveness of 30
tax system 217, 241, 245–6, 265, 268, 270
unemployment rate 284
Swidler, A. xi
Switzerland
GDP per capita 18–19
structural competitiveness of 30, 33
symbolic systems xiii
systemic approach to structural adjustment 11–14, 98
systemic rigidities 38
Sztompka, P. 68, 73
tacit knowledge 75, 100, 129, 228, 233
Takeuschi, H. 75
Tampere region 89
taxes
   German 167
   Irish 291, 294, 299, 300
   progressive 91
   Swedish 217, 241, 245–6, 265, 268, 270
   US 142, 144–5
Taymaz, E. 232, 239, 247
technical efficiency 12–13, 25
 techno-economic innovation 59
 techno-economic structure 58, 59, 62
 techno-organizational path 162
    path creation 162–5
    changing role of state in 165–6
 technological determinism see material (technological) determinism
 technological innovation
    commercialization of 215, 224, 228, 233, 237, 238–9, 249, 253, 259, 260, 266, 267, 268, 269
    and economic growth 28, 29, 52, 239–40
    improved performance from 55, 59, 123
 increasing returns from 25
    path dependency and 161–2
    research on 53, 54
    as social innovation 60
    technological structure 56, 57
    technology forecasting, assessment and foresight 98
 technology policy
    in Baden-Würtemberg 192–6, 202–3
    in Finland 84
    technology transfer institutions 178–9, 183–4, 193
 telecommunications industry 82, 84, 86, 254–5
 TeliaSonera 255, 260
 terrorism 41, 138
 tertiary education 186, 202, 289
 Teubal, M. 164, 165
 think tanks 105
 third industrial revolution 71–3, 74, 123
 Thomas, G.M. xvii
 Thomas, H. 147
 Thomas, R.P. 246
 Thompson, G. 166
 three institutional pillars 34, 61–2, 130–31
 threshold level 42
 Toennies, F. 129
 Tolbert, P.S. 39
 totalizing theory 148
 Toyama, R. 113, 114
 Toyota 138, 139, 140, 142, 152, 154, 177
 Trachtenberg, A. 134
 trade unions
    in Baden-Würtemberg 170, 178, 187–9, 193
    in Finland 244
    in Ireland 289–92, 300
    in Sweden 243, 244, 265
    in the US auto industry 136, 146, 150, 151, 152
 trans-departmental innovation
    advisory board 194
 transactions costs 228, 229, 233, 246, 247
 transforming knowledge 96–7
 Transportation Equity Act for the Twenty-First Century (TEA-21) 145
 Trautwein, J. 168
 Travers, J. 295
 Tricker, R.I. 132
 trust 172
 Tubke, A. 98, 116
 Tuomi, I. 53, 54, 99
 Turja, T. 101, 102, 103
 Turkey 18–19, 31
 Turku-Salo region 89
 Tushman, M.L. xvi
 Ulm 193, 194, 198
 uncertainty, sources of 47
 unemployment rate 81, 89, 170, 283, 284, 290
 uniformity 67, 68
 United Kingdom
    age dependency ratios 288
    employment rate 284
    GDP per capita 18–19, 282
    GNP per capita 221
    growth of GDP per capita 15, 16
imports and exports 286
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
United Nations 288
United States
  economic and legal system 132–3
  expenditure on cars, education and healthcare 138
GDP per capita relative to other countries 15, 18–19
growth of GDP per capita relative to other countries 15, 16
growth of GNP 218, 221
structural competitiveness of 30
universities 178–9, 182, 184, 192, 201, 252, 253
advanced firm as a technical university 238–9, 254
Uppsala 224, 251, 252, 269
  Pharmacia withdrawal from 223, 258–9, 260, 262–4
Urry, J. 1
US automobile industry 4–5, 123–54
characteristics of cars 138–9
conception of control (CoC) in 141, 149
consumer expenditure 138
employment in 139–40, 151
evolving US market 137–43
fuel taxes 144–5
government legislation influencing 143–7
hybrid cars 139, 142
industry recipe 5, 125, 134, 135–6, 141–2, 147–53, 154
labor relations in 152–3
market share of Big Three 136, 137, 138, 140, 151
mileage driven 139
motor tax revenues 139
pension and healthcare obligations 150–51, 152
power of 135, 149–50, 152, 153
productivity in 140, 151
total vehicle production 138
understanding of market 141
US Department of Transportation 139
utopians 43
Uusitalo, H. 89
value commitments 58–9, 63
values, change in 189–90
Van de Ven, A.H. 33, 34, 35, 38, 39, 44, 47, 119
vanguards 43
Västerås 224, 251, 255, 263, 266
Venkula, J. 40, 109, 110
venture capital 6, 187, 224, 235–6, 238, 253, 258, 259, 264
Vikström, P. 244
violence 64, 65, 66
Virtanen, A. 74
vision, shared 97, 112–15
Visser, J. 301
vocational training 179, 184–6, 193, 201–2
Vogel, E.F. 226
Volvo Construction Equipment (VCE) 256
Wacquant, L. ix
Walla, W. 179
Wallerstein, I. viii
Walton, M. 141
Ward’s 138
Wärneryd, K. 241
Wasserloos, G. 173
Watergate crisis 63, 69
Weber, M. xvi, 52, 59, 64, 65, 66
Weick, K. 39, 108, 109, 114, 115, 117
welfare state 46, 81, 84, 93, 281, 297–9
Wengel, J. 173
Wenger, E. 148
Werthén, Hans 261
Westney, D.E. xiii
White, J.B. 140, 141
Whitley, R. xvi
Wiebe, R.H. 134
Wihlborg, C. 241, 242, 245, 246
Wilenius, M. 109
Wiles, P. 102
Williamson, O.E. ix, x, xiv, 37, 60, 131, 246
Wilson, Charles 143
Winch, P. 59
windows of opportunity 68–9, 163
Winter, S. 231
Wittke, V. 176, 179
Wolf, H.-G. 196, 197, 198, 200
Index

Wolfe, B. 245
Womack, J.P. 11, 13, 137, 140, 177
Woolcock, M. 38, 111
world systems theory viii
Wright, G. 134
Young, O.R. xiv, xvii

Young Foundation 2
Ysander, B.-C. 243, 261
Zaltman, G. 199
Zucker, L.G. xii
Zukunftskommission ‘Wirtschaft 2000’
175, 176, 187, 190–91, 193–4, 205