



Michael A. Peters, Simon Marginson, and Peter Murphy

Creativity

and the Global
Knowledge Economy



About THE Authors

Simon Marginson is professor of higher education in the Centre for the Study of Higher Education at the University of Melbourne, Australia, and was previously professor of education and director of the Monash Centre for Research in International Education at Monash University, Australia. He writes about problems of education policy (especially in higher education and research), democracy and creativity, in the context of global relations. He was designated an Australian professorial fellow in 2002; he is a fellow of the Academy of Social Sciences Australia and the Society for Research into Higher Education, United Kingdom, and a board member of, among other journals, *Higher Education*, *Higher Education Policy*, *Higher Education Quarterly*, *Journal of Education and Work*, *Asia-Pacific Journal of Education* and *Thesis Eleven*. He is active in scholarly collaborations and associations, invited conference keynotes and university visits in the Asia-Pacific, Western Europe and the United Kingdom, and North America and Mexico, and he often comments publicly on higher education and education policy in Australia and elsewhere. His books include *Education and Public Policy in Australia* (Cambridge University Press, 1993), *Markets in Education* (Allen & Unwin, 1997), *The Enterprise University*, with Mark Considine (Cambridge University Press, 2000), which won the American Educational Research Association publication award in 2001, and the edited collection *Prospects of the University* (Sense, 2007). He has prepared three reports for the OECD, including a thematic review of tertiary education in the Netherlands

(2007), and has presented three keynote papers at the annual OECD Institutional Management in Higher Education conferences on current policy developments in higher education. Many of his papers have been translated into Spanish; he has published a 2008 essay on global university ecology in *Critique* in France, and five of his books have been published in China.

Peter Murphy is associate professor of communications at Monash University, Australia. He is co-author of *Dialectic of Romanticism: A Critique of Modernism* (Continuum, 2004), author of *Civic Justice: From Greek Antiquity to the Modern World* (Prometheus/Humanity Books, 2001), editor of *Agon, Logos, Polis* (Franz Steiner, 2000), co-editor of *The Left in Search of a Center* (University of Illinois Press, 1996), and editor of a special issue of *South Atlantic Quarterly* on friendship (Duke University Press, 1998). His body of work includes more than sixty journal articles and chapters in edited collections. He has been research fellow and visiting professor of philosophy in the Graduate Faculty of the New School for Social Research in New York City; visiting scholar in the Hellenic language and literatures programme at the Ohio State University; visiting scholar at Panteion University in Athens, Greece; visiting professor in political science at Baylor University, Texas; director of the master of communications programme at Victoria University of Wellington, New Zealand; visiting research fellow in philosophy at Ateneo de Manila University in the Philippines; and visiting professor in communications and media studies at Seoul National University, South Korea, and in the Department of Arts and Cultural Studies at the University of Copenhagen, Denmark. He is coordinating editor of the international critical theory and historical sociology journal *Thesis Eleven: Critical Theory and Historical Sociology* (Sage), and from 1998 to 2001 worked in senior editorial roles for Australia's most successful Internet start-up company, Looksmart.

Michael A. Peters is professor of education at the University of Illinois at Urbana-Champaign and adjunct professor in the School of Art at Royal Melbourne Institute of Technology (RMIT), Australia. He has previously held joint posts at the universities of Glasgow (United Kingdom) and Auckland (New Zealand). He has been visiting professor in twenty different countries, including the United Kingdom, Mexico, China, Colombia, and South Africa. He is the executive editor of *Educational Philosophy and Theory* (Blackwell) and editor of two international e-journals, *Policy Futures in Education* and *E-Learning* (Symposium). His interests are broadly defined in the areas of education, philosophy and social theory, and he has written more than forty books and three hundred academic papers, including most recently *Showing and Doing: Wittgenstein as Pedagogical Philosopher* (Paradigm, 2008) (with N. Burbules & P. Smeyers), *Global Citizenship Education* (Sense, 2008) (with H. Blee &

A. Britton), *Global Knowledge Cultures* (Sense, 2008) (with C. Kapitkze), *Subjectivity and Truth: Foucault, Education and the Culture of Self* (Peter Lang, 2007) (with T. Besley), *Why Foucault? New Directions in Educational Research* (Peter Lang, 2007) (with T. Besley), *Knowledge Economy, Development and the Future of the University* (Sense, 2007), and *Building Knowledge Cultures: Educational and Development in the Age of Knowledge Capitalism* (Rowman & Littlefield, 2006) (with T. Besley).

CO-AUTHORS

Tina (A. C.) Besley is a research professor in Educational Policy Studies at the University of Illinois, Urbana-Champaign. She is also professor of counselling in the Educational Psychology and Counselling Department, California State University, San Bernardino. She was previously a visiting research associate in educational policy studies at the University of Illinois, Urbana-Champaign, and spent five years as a research fellow and lecturer in the Department of Educational Studies at the University of Glasgow, United Kingdom. Tina is a New Zealander with degrees in counselling and education and has been a secondary school teacher and a school counsellor. Tina's research interests include youth issues, in particular notions of self and identity and contemporary problems; school counselling; educational policy; educational philosophy; and the work of Michel Foucault and post-structuralism. She is on the editorial boards of six academic journals and has published in many scholarly journals. Her international profile includes invited seminars and lecture courses in several countries, including Mexico, South Africa, Canada, China, Sweden, Poland, Italy, Taiwan, the United Kingdom, New Zealand, and Cyprus. Tina's book *Counseling Youth: Foucault, Power and the Ethics of Subjectivity* (Praeger, 2002) is now available in a paperback edition (Sense). With Michael A. Peters, she has written *Building Knowledge Cultures: Education and Development in the Age of Knowledge Capitalism* (Rowman & Littlefield, 2006) and *Subjectivity and Truth: Foucault, Education and the Culture of the Self* (Peter Lang, 2007) and is co-editor of *Why Foucault? New Directions in Educational Research* (Peter Lang, 2007).

David Pauleen is senior lecturer in information management at Victoria University of Wellington, New Zealand. He is editor of the books *Virtual Teams: Projects, Protocols and Processes* (2004) and *Cross-Cultural Perspectives on Knowledge Management* (2007). He has contributed to such journals as *Sloan Management Review*, *Journal of Management Information Systems*, and *Journal of Global Information Management*. He is currently editing a volume on personal information management and is involved in research on communication technologies and work behaviours.

Index

Note: Page numbers in italics indicate illustrations

- academic entrepreneurship, and
 - creative economy 71–86
- action at a distance 25, 167, 174
- Adler, P. 223
- aesthetic economy 175
- aesthetic knowledge 151, 174
- aesthetic order 152, 153, 156
- aesthetics 13, 149, 175, 261, 269
- Allan, M. 233–4
- Amazon.com 9
- ambiguity 18, 107, 160, 233
- American Psychological Association 135
- American Union 23
- Anderson, Chris 10, 11
- Anderson, V. 230, 231, 240–1
- Ang, G. 230, 231–2
- Appadurai, Arjun 190, 218
- Archaeology of Knowledge, The* 93
- Arendt, Hannah 155–6
- Aristotle 173
- Armour, Philip 27
- ARPANET 27, 167
- art 133, 139, 178, 150, 261, 269
- art firm 171, 260
- art industry 42
- artisan production 186
- Ásgeirsdóttir, Berglind 82–3
- Asmar, C. 243
- Atton, C. 10
- Australian Research Council 111
- Austrian School 52, 72, 128
- A. W. Mellon Lectures in the Fine Arts 133
- Banaji, Shakuntala 136
- Barbrook, R. 10
- Bayh-Dole Act 194, 195
- beauty 35, 152, 153, 269, 270
- Becker, Gary 2, 54, 55, 72
- Bell, Daniel 2, 3, 4, 73, 125, 128
- Bell, Tom 11
- Benetton 42
- Benjamin, A. C. 134–5

- Benkler, Yochai 10, 83–5, 142
The Wealth of Networks 84
- Bennett, M. 234–5, 241, 242
- Bentley, T. 136
- Berglund, K. 85–6
- Berlin, Isaiah, *The Roots of Romanticism* 132–3
- Berners-Lee, Tim 272
- Bernstein, Basil 99
- Berry, J. 221–4, 226, 230, 231, 239, 240–1
- Besley, Tina 83, 130
Building Knowledge Cultures: Education and Development in the Age of Knowledge Capitalism 81, 130
- Bhabha, H. 230
- Bochner, S. 221, 223, 226
- Böhm-Bawerk, Eugen von 52
- Boltanski, L., *The New Spirit of Capitalism* 131
- Boston Globe* 79
- Bourdieu, Pierre 2, 85, 94, 107, 108, 131
Distinction 94
- Bowles, Samuel 185
- Boyer, Robert, *The Future of Economic Growth: As New Becomes Old* 8
- Bradley, G. 240
- Braudel, Fernand 190
- British Screen Advisory Council 71
- Buchanan, James 54, 55, 185
- Buckingham, David 136
- Building Knowledge Cultures: Education and Development in the Age of Knowledge Capitalism* 81, 130
- built environment 175, 265
- Burn, Andrew 136
- Burton-Jones, Alan 15, 51, 52, 63, 66
 and knowledge capitalism 61–2
Knowledge Capitalism: Business, Work, and Learning in the New Economy 61
- Business Week* 73
- Cannon, R. 234
- Cantillon, Richard, *Essai sur la nature du commerce en general* 76
- Caracalla 205
- Casson, Mark 76–7
- Castells, Manuel 3, 190
- Castoriadis, Cornelius 101
The Imaginary Institution of Society 93
- causation 53, 172
- Centre for the Study of Children, Youth and Media 136
- chaos 16, 26, 158, 164, 210
- Chapman, A. 242
- Chase, Stuart, *The Economy of Abundance* 11
- Chiapello, E., *The New Spirit of Capitalism* 131
- Chicago 27, 158, 175
- Chicago School 111, 128, 159
- Chirkov, V. 243
- Church, A. T. 223, 224, 239
- Cisco Systems 28
- cities 117–18, 152, 154, 155, 159, 172, 173, 174
- city states 154, 171
- civic 35, 42, 159
- Cohen, Julie E. 137–8
- Coleman, James 2, 72, 128
- Coleridge, Samuel Taylor 133
- command management 25, 32, 33
- commons 34, 127, 142, 175, 257, 264, 265
- common wealth 38, 175
- communication 24, 28, 41, 81, 118, 129, 170
- communities of practice 34, 35, 73, 75, 263
- Comparative Education* 229
- The Concise Encyclopedia of Economics* 78
- Considine, Mark 94, 107, 108, 109
- The Constitution of Liberty* 95, 97
- continental 23, 25, 167
- contingency and order 162–4
- contracts 30, 33, 110, 115
- Cook, Philip 208
- Copernicus 156

- copyright and patent industries 39, 78
 correspondence 33, 34, 265
 creative action 33, 39, 261
 creative economy 125
 creative employees 18, 273
 creative industries 81, 126,
 129, 132
 creative knowledge 39, 81,
 109, 268
 creative personality traits 237, 259
 creative societies 269, 270
 creative thought 39
 creativity
 and design principle 140–3
 and intellectual capital
 organizations 260–3
 and knowledge capitalism 37–42
 and knowledge economies 149–78
 intellectual freedoms and 91–118
 New Public Management and 110–17
*The Creativity-Intelligence
 Distinction* 135
*Creativity and Intelligence: Explorations
 with Gifted Students* 135
 Csikszentmihalyi, M. 259
 cultural essentialism 227–9
 cultural production 83–5
- DeBresson, C. 263
 decision markets 170–1
 Defillippi, R. 139
 DeLong, J. Bradford 6
 Demarest, Arthur 186, 188
 Department of Commerce. *See*
 United States Department of
 Commerce
 Department of the Treasury. *See* United
 States Department of the
 Treasury
 design 29, 30, 34, 38, 40, 41, 42,
 126, 153, 175, 258
 Detroit model 28–33
 Dewey, John 96, 237
 Dewey Lectures (1984) 98
 digital information goods 5–7
- Disclosing New Worlds: Entrepreneurship,
 Democratic Action, and the Cultivation of
 Solidarity* 74–5
 distance 23, 25, 32, 39, 42, 51, 155,
 160, 174, 224
Distinction 94
 Dixon, D. 223
 documents 27, 39, 161
 Doherty, C. 241
 Dreyfus, Hubert L., *Disclosing New Worlds:
 Entrepreneurship, Democratic Action,
 and the Cultivation of Solidarity* 74–5
 Drucker, Peter 2, 72–3, 104, 269, 270
 Dunn, L. 230
 Dutch East India Company 26
- East India Company 23
 eBay 9
Economica IV 53
 economics of knowledge and information,
 Hayek, Friedrich, and 52–6
 ecumene 158, 172
 education, and knowledge economy 51–66
Education and the Creative Potential 135
Education for the Knowledge Economy 3, 73
 educational capitalism, new forms of 143
 efficiency 113, 174
 Eindhoven 105
 Ekaku, Hakuin 269–70
 Elliott, J. 229
The End of Work 11
 Engineering 31
 entrepreneurship
 academic, and creative economy 71–86
 Schumpeter, Joseph, and 76–7
Entrepreneurship & Regional Development 74
Essai sur la nature du commerce en general 76
 ethnocentrism, critiques of 227–36
 European Commission 207
 European Union 207
 Extended order 24
 Exzellenz 207
- Face-to-face 25
 Facebook 9

- Feldman, D. H. 134–5
 Field 165
 firms 25
 Flores, Fernando, *Disclosing New Worlds: Entrepreneurship, Democratic Action, and the Cultivation of Solidarity* 74–5
 Florida, Richard 14, 75–6, 81, 86, 139
 The Rise of the Creative Class 73, 125
 Foray, Dominique 8
 The Economics of Knowledge 7
 Ford, Henry 30, 32, 33, 36, 38, 263
 Ford Motor Company 30, 31, 32, 41
 form, 38
 Foucault, Michel 64
 The Archaeology of Knowledge 93
 Frank, Robert 208
 free time 272
 friendship, 239, 262
 Freud, Sigmund 94
 Friedman, Milton 54, 55, 111
 Friedman, Rose 54, 55
 Froebel, Friedrich 135
 Fry, Arthur 261, 262
 Fuchs, Christian 9–10
 Fukuyama, Francis 270
- Galbraith, John Kenneth 57
 Galeotti, Anna Elisabetta 97
 Gasser, M. 243
 General Motors 30
 geography 32, 74, 153
 geometry 155, 167
 Getzels, J., *Creativity and Intelligence: Explorations with Gifted Students* 135
 Gibbons, Michael 106
 Gibson, Howard 135–6
 Giddens, Anthony 11
 Gilmore, John 11
 Godwin, William 12
 Goethe, Johann Wolfgang von 133
 Goldbart, J. 230
 Google 9, 12, 130
 Grabher, G. 139
 Granovetter, Mark 2
 Gray, John 97
- Greaves, M. 141
 Grigorenko, E. 229
Groundwork of the Metaphysics of Morals 161
 Guilford, J. P. 135
 Gunesch, K. 235–6
- Hakkarainen, Kai 142
 Hall, Stuart 228
 Han, M. 233
 Hannerz, U. 236
 Harkness, S. 229
 Harvey, David 2
 Hayek, Friedrich 2, 15, 64, 125
 Austrian School and 72, 128
 The Constitution of Liberty 95, 97
 and economics of knowledge and information 52–6
 on freedoms 93, 95–7, 98, 100, 101
 and New Public Management 110, 113
 The Sensory Order 94, 97
 ‘The Use of Knowledge in Society’ 53–4
 and World Bank 59
 Hazelkorn, Ellen 203
 Hegel, George Wilhelm Friedrich 133
 Henkel, Mary 99, 112–13, 117
 heterodox religion 261
 hierarchy 25, 164–165
 Higher Education Evaluation and Accreditation Council (Taiwan) 200, 202
 Hirsch, Fred 208
 Hofstede, G. 223, 224–6, 227, 243–4
 Holmgren, C. 85–6
 homogenization 210, 232, 236, 261, 270
 Horkheimer, Max 136
 Howkins, John 14, 71–2, 73, 75–6, 81, 125
 Hu, H. 233, 243
 Hullett, C. 243
 Huntington, Samuel 224
- IBM 29, 32, 71, 257
iemoto 31
The Imaginary Institution of Society 93
 industry clusters 77, 263
In Praise of Idleness 11
 information 151

- information, and uncertainty 159–62
- information society 2, 40, 56
- information technology 24, 264, 268, 273
- innovation 4, 13, 40, 56, 60, 82
- insular societies 154
- intellectual capital 258–60
- intellectual capital organizations 259–73
 - creativity and 260–3
 - management 271–3
- intellectual freedoms, and creativity 91–118
- intellectual property 13, 35, 58, 61, 66, 136
- intelligence 14, 31, 36, 42, 153
- interaction without connection 169, 170–71, 173, 178
- intuition 93, 151, 152, 265, 267
- international students 217–47
 - and ethnocentrism 227–36
 - and identity as strategy 236–44
 - psychology of 219–26
- Japan 31, 150, 269
- Jackson, P., *Creativity and Intelligence: Explorations with Gifted Students* 135
- Jaguar 41
- Jefferson, Thomas 154, 167
- Jiao Tong University Institute of Higher Education 197–8, 199–200, 201, 202, 203, 205, 206
- Jones, C. 139
- Kaluza, Theodor 155
- Kant, Immanuel 133, 155, 259
 - Groundwork of the Metaphysics of Morals* 161
- Kashima, E. 233, 237
- Katz, Jerome 74
- Kaul, Inge 192
- Kemple, Thomas M. 130–1
- Kerr, Clark, *The Uses of the University* 102–3
- Kettle, M. 242–3
- KFOs. *See* knowledge-forming organizations
- Kneller, G. 271
- Knowing Capitalism* 131
- knowledge
 - management of 174–7
 - recursive 169–74
 - The Knowledge-Based Economy* 2, 55
- knowledge capitalism
 - Burton-Jones, Alan, and 61–2
 - defining 23–42
 - creativity 37–42
 - Detroit model 28–33
 - motive to participate 33–7
 - network organization 23–7
 - Knowledge Capitalism: Business, Work, and Learning in the New Economy* 61
 - Knowledge for Development* 3, 52, 58, 65–6, 73
- knowledge economy 1–2
 - and aesthetic capitalism 127–40
 - creativity and 149–78
 - education and 51–66
 - university rankings and 185–210
- Knowledge Economy, Development, and the Future of Higher Education* 81
- knowledge goods, post-capitalist 190–6
- knowledge industries 128, 257, 268
- knowledge society 62, 270
- knowledge workers 2, 38, 57, 60, 62, 118
- knowledge-forming organizations (KFOs)
 - 102, 103–4, 106–7, 108–10, 117
 - non-university 104–5, 108, 110
 - relational field of 105–10
- Knowledge and the Wealth of Nations* 79–80
- Kodak 75
- Koro-Ljungberg, M. 231, 240
- Kroege, K. 234
- Lasonen, J. 236
- lateral organization 33
- Leadbeater, Charles 77, 81, 82
- Lee, I. 231, 240
- Lee, J. 231
- Leong, C. 224, 233, 242
- Lessig, Larry 142
- Li, A. 243
- Lin, K.-J. 141
- Linux 9

- List, Friedrich 57
 littoral states 155
The Logic of Scientific Discovery 53
 Loh, E. 233, 237
 London Economic Club 53
 London Film School 71
The Long Tail: Why the Future of Business Is Selling Less of More 10
 long-distance trade 155
 loyalty 31, 36, 37, 38, 39, 40, 173
 Lucas, R. 55
 Lundvall, B.-A. 3
 Lyotard, Jean-François 2, 73
- McGovern, T. 233
 Machlup, Fritz 2, 4, 55, 73, 125
 and Austrian School 3, 72, 128
 McNealy, Scott 11
 management 174–7
 Marschak, Jacob 55
 Marx, Karl 191
 maritime regions 152
 markets 33, 84, 111, 113, 170, 190, 207
 Matsumoto, D. 233, 243
 Maya, and status economy 186–90
 Menger, Carl 52–3
 methods 25, 26, 74–5, 102, 160, 166
 Microsoft 32, 60, 130
 Mill, John Stuart 76
 military 27, 161, 167
 mimesis 224
 Minkowski, Hermann 155
 Mises, Ludwig von 3, 52, 54
 Mont Pelerin Society 54
 More, Max 11
 Morse, Samuel 26
 Murphy, Peter 93, 117
 MySpace 9
- nation states 156, 166, 235–6
 National Aeronautics and Space
 Administration 176
 navigation 164, 166, 167, 168, 172
 network communications 26–7
 network organization 23–7
 networks 24, 28, 31, 42, 136, 140,
 142, 167, 176
 new growth theory 15
 OECD and 55–8
 Romer, Paul, and 78–81
 New Public Management (NPM) 93, 102,
 105, 203, 210
 accounting 113–15
 audit 115–17
 and creativity 110–17
The New Spirit of Capitalism 131
 Newmark, Craig 11
 Ninnies, P. 232
 Nobel Memorial Prize 55
 Nonaka, I. 269
 Nowotny, H. 106, 112
 NPM. *See* New Public
 Management
- Oakley, Kate 77
 objectivation 34, 260, 261
 OECD. *See* Organisation for Economic
 Cooperation and Development
 offices 23, 24, 27, 77, 104, 176
 OFSTED 135, 136
 Olson, C. 234
 open society 61, 131, 173
 open source 34, 186, 190, 193–6
 open systems 190, 201, 258
 order 25, 40, 153, 159, 163, 164, 166
Ordoliberalen 110
 orientative feelings 37
 orientative knowledge 162
 O'Reilly, Tim 141
 Organisation for Economic Cooperation
 and Development (OECD) 3, 7,
 103, 118, 193–6, 199,
 210, 217
 ‘Enhancing the Role of Tertiary
 Education in Research and
 Innovation’ 194
The Knowledge-Based Economy 55
 and knowledge economy 4, 51, 52,
 65, 81, 82
 and new growth theory 15, 55–8, 65

- policy 14, 17, 73
- and university rankings 203
- Our Competitive Future: Building the Knowledge Driven Economy* 60
- paradox 18, 151, 266, 268–71, 272, 273
- Parsons, Talcott 220
- patrimony 45
- patriotism 173
- pattern 16, 25, 40, 84, 133, 157, 163, 172
- pattern knowledge 149, 150, 151, 178
- pattern media 39, 40
- Pedersen, P. 221, 223, 239
- peer production 9, 12, 28, 85, 142, 143, 201
- peninsula societies 154
- Perrucci, R. 233, 243
- persuasion 170
- Pestalozzi, Johann H. 135
- Peters, Michael A. 75, 83
 - Building Knowledge Cultures: Education and Development in the Age of Knowledge Capitalism* 81, 130
 - Knowledge Economy, Development, and the Future of Higher Education* 81
- Pincus, Mark 11
- Piore, M. J. 42, 263
- planar order 172
- plans 160, 165
- plasticity 159, 166
- poiesis 28, 29
- polarities 268–71
- Popper, Karl 53
- Porat, Marc 2, 125
- portal cities 16, 118, 156, 157, 159
- portal regions 152, 154, 155
- portal societies 153–9
- portals 156, 159, 160, 173
- Porter, M. E. 155
- postal system 161
- post-capitalist knowledge goods 190–6
 - The Post-industrial Society* 2
 - The Postmodern Condition* 2
- Powell, Walter W. 4
- price system 31, 210
- Private Finance Initiative 63
- procedures 25, 36, 97, 166
- Putnam, Robert 2, 72, 128, 270
- Pyvis, D. 242
- QS Marketing 201
- Quah, Danny 3, 6
- radical-creative imagination 91
- railroads 23, 24, 26, 76
- Ramsay, S. 245
- rationality 24, 25, 28–9, 37, 38, 75, 85
- Reagan, Ronald 54
- reconnaissance 152, 166, 167
- Redmond, M. 224
- regions 117, 152, 153, 158, 171, 186, 263
- Renshaw, P. 230
- Rethinking Science: Knowledge and Public in an Age of Uncertainty* 106
- Rhee, J. 231
- Rhythm 39, 168, 169, 177, 196
- Ricardo, David 52
- Rice, C. 231
- The Right to be Lazy* 11
- The Rise of the Creative Class* 125
- Rizvi, F. 228, 236, 240, 241
- Rodgers, T. J. 11
- Romantic Movement 131, 132–3, 136–7, 139
 - characteristics 134
- romanticism 77, 126, 132–3, 137, 139,
- Romer, Paul 2, 3, 4
 - and new growth theory 14, 55, 57, 73, 76, 78–81, 125–6, 192
- The Roots of Romanticism* 132–3
- Rose, Nikolas 101, 113, 115
- Rousseau, Jean-Jacques 133, 134
- rules 29, 54, 165, 262, 268
- Sabel, C. F. 42, 263
- Samuelson, Paul 191, 192
- Savicki, V. 233, 243
- Schelling, Friedrich Wilhelm
 - Joseph von 133
- Schiller, Johan 12

- Schuerholz-Lehr, S. 234
 Schultz, Theodore 55
 Schumpeter, Joseph 14, 57, 72, 126, 128
 and *Unternehmergeist* 76–7
 science 29, 55, 72, 129, 155, 232
 Scott, P. 106
 self-organization 8, 153
 self-steering 171, 173
 Seltzer, K. 136
 service industries 58, 257
 Sen, Amartya 15, 93, 111
 on freedoms 97–9, 100, 101
 Sennett, R. 268
The Sensory Order 94, 97
 silent communication 171, 176, 268
 silent trade 169, 170, 173, 178
 Simonton, D. K. 260
 Singh, Michael 233, 241
 Singh, P. 241
 Sky TV 71
 Slater, E. 174
 Sloan, Alfred P. 30, 32, 33
 Smith, Adam 52
 Snellman, Kaisa 4
 social capital 16, 42, 65, 83
 social geometries 164–8
 social networks 32, 85, 259, 263
 solitude 260, 272
 Söderberg, J. 10
 Solow, R. 55–6
 space economy 176
 Spencer-Rodgers, J. 233
 Spinoza, Charles, *Disclosing New Worlds: Entrepreneurship, Democratic Action, and the Cultivation of Solidarity* 74–5
 Statistics Canada 82
 status economy, Maya and 186–90
 Stephens, K. 227
 Stern, Marc 192
 Stern, S. 155
 Sternberg, R. 229
 Steyaert, Chris 74
 Stigler, George 55
 Stiglitz, Joseph 3, 62, 127, 191, 192–3, 194
 ‘Public Policy for a Knowledge Economy’ 60
 and World Bank 58–61
 stochastic 164
 Stone, N. 234
 strangers 32, 37, 41, 156, 170, 173, 185
 strategic alliances 33, 206, 263
 student sojourners 217–47
 and ethnocentrism 227–36
 and identity as strategy 236–44
 psychology of 219–26
 students, international 217–47
 and ethnocentrism 227–36
 and identity as strategy 236–44
 psychology of 219–26
 symmetry 39, 152, 168, 177, 267
 systems 18, 28, 40, 152, 153, 169, 177, 190, 208, 258
 tacit knowledge 56, 61, 73, 97, 152, 267, 269, 270
 Tan-Quigley, A. 229
 Taoism 179
 Tapscott, Don, *Wikinomics* 8–10
Technology for the Common Good 11
 telegraph 24, 26, 27, 158
 Thatcher, Margaret 54, 193
 Theobald, Robert, *The Challenge of Abundance* 11
 theory 137, 139, 194, 261
 Thiel, Peter 11
 thinking 29, 54, 96, 135, 227, 259, 261, 272
 third places 265
 third-wave economy 2
 Thrift, Nigel 130
 Knowing Capitalism 131
 Time Warner 71
Times Higher 202, 206
The Times (London) 201–3, 205
 Toffler, Alvin 2, 73
 Tomlinson, Ray 272
 Tornado Productions Ltd. 71
 topography 159
 Torrance, E. P.
 Education and the Creative Potential 135
 Torrance Tests of Creative Thinking 135
Torrance Tests of Creative Thinking 135
 Touraine, Alain 2, 3, 73, 125, 128

- Tran, L. T. 227
 transaction costs 30, 33, 83
 transport 26, 157, 171
 Triandis, H. C. 225
 Trombadori, Duccio 64
 trust 37, 42, 61, 83, 115, 159, 173
 Tullock, Gordon 54, 55
 Turing, Alan 264
- uncertainty 25, 159–62, 163, 223
 union of opposites 161
 United Kingdom Department of Trade and Industry and Centre for Economic Policy Research 60
 United Nations Development Plan 192
 United Nations ‘Education for All’ programme 8
 United States Department of Commerce 2
 United States Department of the Treasury 6–7
 United States Geological Survey 167
 universities 33, 58, 103, 150, 202, 208, 264, 272
 university, as ‘knowledge-based binary’ 107–10
 university rankings 196–203
 and knowledge economy 185–210
 unsocial sociability 259, 262, 266, 271
Unternehmergeist 76–7
US News and World Report 17, 116, 198, 203, 206, 207
The Uses of the University 102–3
 utility 34, 35, 114
- Veblen, Thorstein 31, 32
 Versaware Technologies Inc. 268
 village 159, 160
 virtual manufacturing 28
 virtual working 264
 visual 80, 156, 168
 Volet, S. 229, 230, 231–2
- Wallace, M. 230
 Wallach, M., *The Creativity-Intelligence Distinction* 135
- Wallenstein, Immanuel 127
 Walras, Leon 52
 Ward, C. 221, 224, 225, 233, 242, 243
 Warsh, David 81
 Knowledge and the Wealth of Nations 79–80
The Wealth of Networks 84
 Web 2.0 9, 10, 82, 130, 140, 141
 WebMuseum 133
 Webometrics 200–1
Wikinomics 8–10
 Wikipedia 9
 Williams, Anthony,
 Wikinomics 8–10
 windows 165
 WIPO. *See* World Intellectual Property Organization
Wired 10
 wireless media 27, 161
 Witte, K. 243
 Wolfensohn, James D. 58
 Wordsworth, William 133
 World Bank 3, 7, 51, 52, 59, 63, 81, 194
 Education for the Knowledge Economy 73
 Knowledge for Development 15, 52, 73
 Stiglitz, Joseph, and 58–61
 World Development Report, *Knowledge for Development* 58, 65–6, 73
 World Intellectual Property Organization (WIPO) 13, 72, 132
 World Summit on the Information Society (WSIS) 3
 World Trade Organization (WTO) 13, 132, 193
 WSIS. *See* World Summit on the Information Society
 WTO. *See* World Trade Organization
- Yang, R. 237, 243
 Yoo, J. 243
 YouTube 9
- Zen Buddhism 261
 Zhang, N. 223