and cognitive distance 129, 130 and differential competencies 137 and knowledge 120, 122 and networks 170, 171 and research departments 77, 78, 90 small firms 130 and tacit knowledge 123, 124, 125 and technical training 79 activist litigation 242, 243, 254 activist regulation 242, 243, 254 activist regulation 242, 243, 254 activist regulation 242, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94, 135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 Axelrad, Lee 255–6  Balassa, B. 35 banking 275–6, 279 Barric, R. 177, 181 basic research definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 275 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behavioural rules 194, 195, 196, 238–9 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burnt, R.S. 166, 171 business sector 54, 57, 59, 74, 275 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 275 by industries 57, 59, 161–2	absorptive capacities		Bacdayan, P. 123–4
banking 275–6, 279 and knowledge 120, 122 and networks 170, 171 and research departments 77, 78, 90 small firms 130 and tacit knowledge 123, 124, 125 and technical training 79 activist litigation 242, 243, 254 activist regulation 241–2, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94, 135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 banking 275–6, 279 Barré, R. 177, 181 basic research definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 271 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour 62, 63, 201–3, 214 behavioural rules 194, 195, 196, 238–9 biase cresarch definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 271 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour 62, 63, 201–3, 214 behavioural rules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness and evolutionary befolical indexing 77, 80, 92, 10–2 by industries		9, 130	
and knowledge 120, 122 and networks 170, 171 and research departments 77, 78, 90 small firms 130 and tacit knowledge 123, 124, 125 and technical training 79 activist litigation 242, 243, 254 activist regulation 241–2, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94, 135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  Barré, R. 177, 181 basic research definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 271 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour 62, 63, 201–3, 214 be	_		banking 275–6, 279
basic research definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 271 and technical training 79 activist litigation 242, 243, 254 activist regulation 241–2, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94, 135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 basic research definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 271 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour 62, 63, 201–3, 214 behavioural rules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80 and comparative analysis 212–22 and comparative analysis 212–22 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedeness 195–6 and prairies van Wardenen, 346, 246, 247, 248, 245, 245, 245, 245, 245, 245, 245, 245			Barré, R. 177, 181
definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 275 and technical training 79 activist litigation 242, 243, 254 activist regulation 241–2, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94, 135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 steep Casper and Frails value was definition 33 and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 271 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour alrules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80 and comparative analysis 212–22 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness. 195–6 and rical standard and comparative analysis 212–22 and social embeddedness. 195–6 and rical standard and comparative analysis 212–22 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–80 and rical standard and comparative analysis 212–22 and comparative analysis 213–24 and comparativ	and networks 170, 171		
and tacit knowledge 123, 124, 125 and technical training 79 activist litigation 242, 243, 254 activist regulation 241–2, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94, 135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  and evolutionary theory 92 in idea-innovation chain 10, 244, 245, 275 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour 62, 63, 201–3, 214 behavioural rules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 59, 161–2 by universities 54, 57		77, 78, 90	definition 33
and tacit knowledge 123, 124, 125 and technical training 79 activist litigation 242, 243, 254 activist regulation 241–2, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94, 135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 steven Casper and Irails value in distance in idea-innovation chain 10, 244, 245, 271 by industries 57, 59, 161–2 by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour 62, 63, 201–3, 214 behavioural rules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80 and comparative analysis 212–22 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness. 195–6			and evolutionary theory 92
and technical training 79 activist litigation 242, 243, 254 adoptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94,		124, 125	
activist litigation 242, 243, 254 activist regulation 241–2, 243, 250 adaptiveness and complexity 77, 80, 94–5, 102 definition 78 evolutionary approaches 92–3, 94,			
activist regulation 241–2, 243, 250 adaptiveness     and complexity 77, 80, 94–5, 102 definition 78     evolutionary approaches 92–3, 94, 135–6     and inertia 99–100, 101, 135–6, 154, 155     and institutional embeddedness 99–100     and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180      see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273  assembled products 58, 73, 101  Austrian paradox 7, 284  by universities 54, 57, 59, 74, 275 Baum, J. 92, 94 behaviour 62, 63, 201–3, 214 behavioural c26, 63, 201–3, 214 behavioural rules 194, 195, 196, 238–9 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness		54	by industries 57, 59, 161–2
adaptiveness     and complexity 77, 80, 94–5, 102     definition 78     evolutionary approaches 92–3, 94,         135–6     and inertia 99–100, 101, 135–6, 154,         155     and institutional embeddedness         99–100     and inter-organizational networks 100     and organizational learning 102,     and survival 153, 155     and tacit knowledge 124     adoption 21, 60, 75, 79, 80, 117, 120,     156, 165–7     advertising 36, 37, 41–5     agglomeration economies 174–5     Ahuja, G. 167, 170–71, 172     alliances 58, 63, 96, 104, 129, 165,     168–70, 171, 180     see also strategic alliances     Alter, C. 98, 163, 164     applied research 33, 54, 86, 92, 162,     244, 245, 275     appropriability conditions 24, 27, 272,     273     assembled products 58, 73, 101     Austrian paradox 7, 284     Baum, J. 92, 94     behaviour 62, 63, 201–3, 214     behavioural rules 194, 195, 196, 238–9     biotechnology 28, 143, 165, 248–9,     272–4     Boyer, R. 217–18, 220     Britain see United Kingdom     bureaucracy 78, 83, 89, 117, 155, 218     Burns, T. 83, 84–5, 92, 94, 101     Burt, R.S. 166, 171     business sector 54, 57, 58     see also finance sector; firms;     industries; insurance; services     sectors     buyers 30, 58, 125, 158, 168, 170,     179–80      Cameron, K. 83–4, 86     capital 174, 175     capital intensive industries 36, 37, 40,     43–4     capitalism     and comparative analysis 212–22     and comparative analysis 212–22     and comparative political economy     field 199–208     new institutionalist theory 194–5,     197–8, 209, 210–12     and risk 235, 237     and soccial embeddedness. 195–6     384–40, 220     384–40, 220     384–40, 220     384–40, 220     384–40, 220     384–5, 92, 94, 101     384–40, 279     4     384–5, 92, 94, 101     384–4, 592, 94     384–5, 92, 94, 101     384–4, 592, 94     384–5, 92, 94, 101     384–4, 174     384–4, 184     384–5, 92, 94, 101     384–4, 184     384–4, 184     384–4, 184     384–4, 184     384–4, 184     384–4, 184     384–4, 184     384–4, 184			
behaviour 62, 63, 201–3, 214 behavioural rules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sectors; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalismes and comparative analysis 212–22 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness photochnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sectors; buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness ploacethnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 business sectors; buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness. 195–6 Steven Casper and Fanns variences, 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sectors circles and cormonics 14–15 and cormonics 14–15 and cormonics 14–15 and cormonics 14–15 and		,	
behavioural rules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biases 24, 30, 31, 35–6, 39 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4  Boyer, R. 217–18, 220  Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218  Burns, T. 83, 84–5, 92, 94, 101  Burt, R.S. 166, 171  business sectors 54, 57, 58  see also finance sector; firms; industries; insurance; services sectors  and tacit knowledge 124  adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7  advertising 36, 37, 41–5  agglomeration economies 174–5  Ahuja, G. 167, 170–71, 172  alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180  see also strategic alliances  Alter, C. 98, 163, 164  applied research 33, 54, 86, 92, 162, 244, 245, 275  appropriability conditions 24, 27, 272, 273  assembled products 58, 73, 101  Austrian paradox 7, 284  behavioural rules 194, 195, 196, 238–9 biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4  Boyer, R. 217–18, 220  Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218  Burns, T. 83, 84–5, 92, 94, 101  Burt, R.S. 166, 171  business sectors 54, 57, 58  see also finance sector; firms; industries; insurance; services sectors  buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86  capital 174, 175  capital intensive industries 36, 37, 40, 43–4  capitalism  and comparative analysis 212–22  and comparative political economy field 199–208  new institutionalist theory 194–5, 197–8, 209, 210–12  and social embedededness  195–6, 238–9  biotechnology 28, 143, 165, 248–9, 272–4  Boyer, R. 217–18, 220  Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218  Burns, T. 83, 84–5, 92, 94, 101  Burt, R.S. 166, 171  business sectors  sectors  buyers 30, 58, 125, 158, 168, 170, 179–80  cameron, K. 83–4, 86  capital 174, 175  capital intensive industries 36, 37, 40, 43–4  capital 179–208  new institutionalist theory 194–5, 197–8, 209, 210–12  and social embedededness. 195–6  and social embedededness. 195–6  and social embedededness. 195–6  and social embedededness.		-5, 102	
biases 24, 30, 31, 35–6, 39 biotechnology 28, 143, 165, 248–9, 272–4  Boyer, R. 217–18, 220  Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218  Burns, T. 83, 84–5, 92, 94, 101  Burns, T. 84, 86  Steven Casper and social embeddedness 195–6, 2029  Bur		ŕ	
135–6 and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and organizational networks 100 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 biotechnology 28, 143, 165, 248–9, 272–4 Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness. 195–6 and institutional embeddedness 99–100 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capital 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedeness, 195–6 and risk 235, 237	evolutionary approaches 9	2-3, 94,	
and inertia 99–100, 101, 135–6, 154, 155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  Albeyr, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capital intensive analysis 212–22 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness. 195–6 and risk 235, 237			
155 and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  Boyer, R. 217–18, 220 Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedeness, 195–6 and inter-organizational networks 100 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedeness, 195–6 and arcit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capital intensive industries	and inertia 99-100, 101, 1	35–6, 154,	
and institutional embeddedness 99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102, 120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  Britain see United Kingdom bureaucracy 78, 83, 89, 117, 155, 218 Burns, T. 83, 84–5, 92, 94, 101 Burt, R.S. 166, 171 business sector 54, 57, 58 see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddededeness 195–6 24, 243, 244, 245, 275 and social embeddedeness 195–6 24, 243, 244, 245, 275 and social embeddededeness 195–6 24, 243, 245, 275 and social embeddedeness 195–6 244, 245, 275 and social embeddedeness 195–6 247, 284			Boyer, R. 217–18, 220
99–100 and inter-organizational networks 100 and new technology 60 and organizational learning 102,	and institutional embedded	dness	•
and inter-organizational networks 100 and new technology 60 and organizational learning 102,	99–100		
and new technology 60 and organizational learning 102,	and inter-organizational ne	etworks 100	
and organizational learning 102,			
120–21, 159 and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  see also finance sector; firms; industries; insurance; services sectors buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness 195–6 42729		g 102,	
and survival 153, 155 and tacit knowledge 124 adoption 21, 60, 75, 79, 80, 117, 120,			
adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness 195–6 and social embeddedness 195–6 are also trans van Waarden – 9/18/18/45/426729	and survival 153, 155		
adoption 21, 60, 75, 79, 80, 117, 120, 156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 buyers 30, 58, 125, 158, 168, 170, 179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness 195–6 and social embeddedness 195–6 are also trans van Waarden – 9/18/18/45/426729	and tacit knowledge 124		sectors
156, 165–7 advertising 36, 37, 41–5 agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165, 168–70, 171, 180 see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  179–80  Cameron, K. 83–4, 86 capital 174, 175 capital intensive industries 36, 37, 40, 43–4 capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness 195–6 426729		117, 120,	buyers 30, 58, 125, 158, 168, 170,
agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165,			
agglomeration economies 174–5 Ahuja, G. 167, 170–71, 172 alliances 58, 63, 96, 104, 129, 165,			
alliances 58, 63, 96, 104, 129, 165,		4-5	Cameron, K. 83-4, 86
168–70, 171, 180  see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  see also strategic alliances capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness 195–6 Steven Casper and Frans van Waarden - 94,818,454,26729			capital 174, 175
see also strategic alliances Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  Steven Casper and capitalism and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 and social embeddedness 195–6 Steven Casper and Frans van Waarden - 94,818,454,26729	alliances 58, 63, 96, 104, 129	9, 165,	capital intensive industries 36, 37, 40,
Alter, C. 98, 163, 164 applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284 Alter, C. 98, 163, 164 and comparative analysis 212–22 and comparative political economy field 199–208 new institutionalist theory 194–5, 197–8, 209, 210–12 and risk 235, 237 Austrian paradox 7, 284 Steven Casper and Frans van Waarden - 94,81845426729	168–70, 171, 180		43–4
applied research 33, 54, 86, 92, 162, 244, 245, 275 appropriability conditions 24, 27, 272, 273 assembled products 58, 73, 101 Austrian paradox 7, 284  Steven Casper and Frans van Waarden - 9/8/18/45/426729	see also strategic alliances	3	capitalism
244, 245, 275 appropriability conditions 24, 27, 272, assembled products 58, 73, 101 Austrian paradox 7, 284  Steven Casper and Frans van Waarden - 9/8/18/45/426729			and comparative analysis 212–22
appropriability conditions 24, 27, 272, new institutionalist theory 194–5, 273 197–8, 209, 210–12 assembled products 58, 73, 101 and risk 235, 237  Austrian paradox 7, 284 Steven Casper and Frans van Waarden - 97,81845426729			and comparative political economy
273 197–8, 209, 210–12 assembled products 58, 73, 101 and risk 235, 237 Austrian paradox 7, 284 31845426729 Steven Casper and Frans van Waarden - 97,81845426729	244, 245, 275		field 199–208
assembled products 58, 73, 101 and risk 235, 237  Austrian paradox 7, 284  Steven Casper and Frans van Waarden - 97,81845426729	appropriability conditions 24	, 27, 272,	new institutionalist theory 194-5,
Austrian paradox 7, 284 and social embeddedness 195–6 Steven Casper and Frans van Waarden - 378 1845 426729	273		197–8, 209, 210–12
Austrian paradox 7, 284 Axelrad, Lee 255–6  Steven Casper and Frans van Waarden - 98 1845 426729 Downloaded from Elgar Online at 02/16/2019 71:47:42AM	assembled products 58, 73, 1		
Axelrad, Lee 255–6 Downloaded from Eigar Online at 02/16/2019 11:47:42AM	Austrian paradox 7, 284	Steven Casho	and social embeddedness 195–6
Downloaded Hottl Ligal Offilite at 02/10/2019 11.47.42AM	Axelrad, Lee 255-6	Downloaded 4	societal effects school 209 2134742414
202 via free access			

case law 241, 244, 253, 254, 255, 257–8	and adaptiveness 92-3
case studies 28	and alliances 180, 218
categories 121, 123, 126, 127	and efficiency 118
centralization 84, 87, 202, 240	and exports 35
change	and incentives 230, 233, 252
and differentiation 120, 137	and industrial orders 216-17
environmental 77, 78, 95, 102	and inter-organizational cooperation
of laws 241	235
management of 142-3, 156-7	and networks 167, 169
and organizational learning 159	and novelty 139
and organizations 84, 93–5, 137–8,	and organizational learning 159
156–7	policies 285–6
perception of need for 81	and radical process innovations 89
and risks 152, 153	and rationality 194, 210
see also institutional change; social	and R&D 116, 117
change; technical change;	and regulation 252
technological change	and risk 230, 235
citations 6, 23, 38	and routines 154
civil law 242, 243–4, 253, 254	social groups 209
clusters 176, 283	and technology 27
co-determination law 202–3	and uncertainty 230, 235
cognition 31, 62, 123–4, 157	complementary assets 27
cognitive distance 129, 130, 131, 132,	complexity
133, 269, 270, 282, 288–90	of cooperation 233
cognitive frameworks 194, 195, 212	division of labour 75, 76, 77–80, 88,
Cohen, M.D. 123–4	94–5, 98, 102–3, 282
Cohen, W.M. 46, 122, 129	innovation projects 86–7, 156, 163–4,
cohesion 166–7, 168, 171	233
Coleman, J.S. 165–6, 171	and internal differentiation 235
communication 75, 84, 92, 101, 118,	jobs 78–9, 80, 97
160, 176, 271	and networks 171–2
communitarian view 127, 214	and organizational innovations 75, 77,
Community Innovation Survey data	87
29–31, 35	and organizational learning 78, 80, 102
company law 276, 279	and organizational type 84, 85
comparative economic organization	society 91
212–22	computational-representational theory of
comparative political economy	knowledge 118, 121, 122, 128
perspective 199–212	concentration 27, 85, 133, 142
competence view 118–19, 137	consolidation 141–2
competences	constitutional law 241, 254
complementary 129, 286	constitutional order 197–8, 215–16
and idea-innovation chain 10, 13,	consumers 247–50
267–8, 274, 281, 285	see also customers; users
	contexts 122–3, 162, 169
and inter-active learning 159 and life cycle theory 139–40	contexts 122–3, 102, 109 contract law 278
new 121, 163	
	contracts 116, 126, 131, 132, 205–6,
organizational 153	242, 254, 277, 278 control \$3, 84, 92, 160, 211, 220, 222
and uncertainty 232, 235	control 83, 84, 92, 160, 211, 220, 222, and Frangs an Waarden - 9781845426729
	Elgar Online at 02/16/2019 11:47:42AM
Downloaded Holl	via free access

cooperation 232–3, 235, 236–7, 270, 282 Edquist, C. 51, 52 coordination 128, 198, 205-6, 207-8, education 79-80, 88, 102, 103, 125, 219, 277, 279 220, 269-71, 281 copyright 34, 35, 246 efficiency 78, 83, 84, 118, 120, 137, costs 59, 85, 250, 252, 255-8, 266 159 craftsmanship 124, 128 Eldredge, N. 135 creative capacities 77, 83, 250–51, 252 embedded knowledge 120, 163 culture 56, 81-2, 126, 134, 159, 175, employees 81, 201-2, 276-7 employment 75, 76, 88, 90, 99 196, 278-81, 283 customers 159, 161, 162, 218, 270 see also industrial relations; jobs; see also consumers; users labour: tasks endogenous growth theory 22 Damanpour, F. 75 enterprise groups 214 entrepreneurship 24, 31, 125, 137, 141, Darwinism 134, 135 Debresson, C. 20, 21, 23, 31 decentralization 75, 78, 89, 269 environmental changes 77, 78, 95, 102, deception 233, 235, 236-7 135-6, 153 declarative knowledge 123-4 environmental law 155-6 deep structure 126, 140 environmental regulation 155–6, 158 demand 26, 28, 91, 139 environmental standards 244 Europe 3, 201, 206, 207, 209, 217, demand-pull hypothesis 25, 174–5 deregulation 6, 252–3, 279, 286, 287 221-2, 236, 271, 276, 277, 285-6 Dewar, R. 76, 88 European paradox 7, 284 differentiation 95–6, 97, 103, 118–19, European Union 26, 36-7, 40, 41-5 120, 137, 235, 268–9, 271 evolutionary approaches 61, 80, 84, see also specialization 91-5, 103, 134-9, 154 diffusion 20, 24, 25, 35, 166–7, 175 exchange 167–8, 169–70, 218–20, 221 diversification 27–8, 129 'exit' relationships 198, 206, 236, 237–8 division of labour experimentation 33, 81–2, 231 and constitutional order 198 experts 21, 29, 31, 97, 156, 166, 200 innovation feedback effects 88, 89 explicit knowledge 120, 124, 125, 142 exploitation 11, 121, 122, 123, 124, 127, and innovations 75, 76, 77–80, 94–5, 102 - 3,282128, 138, 139, 140–43, 145, 244, and networks 98, 178 245, 246 small firms 125 exploration 11, 121, 122, 123, 127, 133, and specialization 119 137, 139, 140–43, 145, 244, 245, and tasks 84 246 documented knowledge 120, 124, 125 exports 35-6, 37, 221-2 dyads 158, 168, 169-70 families 134, 195, 196, 214 East Asia 211, 213-15, 221-2, 276 feedback effects 11, 25, 88-90, 100, economic actors 210–11, 216–17, 103, 104 218–20, 221, 222, 238, 252–3 finance sector 221-2, 275-6, 279 Finsterbusch, K. 81–2 economic growth 20, 103, 174–5 economic organization 212-22 firms applied research 54 economic performance 20, 165, 284 economics 22, 32, 102–3, 116–20, autonomy 162 136-8, 204-5 behaviour 62, 63 economies of scale 91, 116–17, 119, cognitive distance 129, 130, 131, 132, 126, 129, 137, 139, 175, Stayen Casper and Francovary Waarden - 9781845426729

Downloaded from Elgar Online at 02/16/2019 11:47:42AM

competences 118-19, 137, 232	Freeman, J. 93, 94, 135-6, 153-4
deconstruction 95, 100	friendship 134, 165-6, 176
departments 161, 267, 268	•
differentiation 119	Galli, R. 52, 54–6
diversification 27–8	games 194, 205
growth 152	Garud, R. 62
and idea-innovation chain 267, 268–9,	generalization 141–2
276–7	geography 51, 114
innovation reputations 63	see also location; proximity
innovation types 26–8	Germany
and institutional frameworks 203–8,	capitalism 215, 216
276–7	coordination 205, 206, 207
inter-firm relations 236–8, 282	industrial relations 201, 202–3
	institutional learning 60
joint ventures 96, 97, 98, 104	
and knowledge 119, 180–81 location 160	manufacturing enterprises 79, 209
	national institutional framework 275,
networks 33, 282	278–9, 280
new entrants 139, 140, 165	organizational structure 209
risk and uncertainty reduction (RUR)	patents 3, 4, 6–7
236, 237	production 219
separation 95, 96, 142–3	R&D 8, 275, 278
size 24, 27, 30, 33, 38, 73, 84–5, 91,	regulation 248–9, 278
116–17, 165	Gersick, C.J.G. 139, 140
sociological view 82–8	globalization 93, 178, 221–2
specialization 143	goals 82, 83, 101, 156
strategic choices 63–4, 118–19, 153,	Gould, S.J. 135, 139
154	governance 131–2, 172, 218–20, 221–2,
strategies 28, 118, 119, 144	283
structure 211–12	government see government policies;
survival 89–90, 136, 137, 152, 153,	local government; national
154, 155, 165	government; nations; regional
technological development 54	government; state
theory of 125–7, 132	government policies
see also large firms; MNEs; small	on income 201
firms; SMEs	industrial 199–201, 209
first order learning 120–21	and institutional theories 222
flexibility 77, 79, 83, 125, 129, 154–5,	on R&D 6
172, 198, 206, 269	on technology 124-5, 178-9, 200,
flexible manufacturing 75, 80, 88, 89,	283–7, 290
102, 219, 220–21	government research laboratories 54, 55,
Florida, R. 54	104
foreign direct investment 181–2	Gulati, R. 168-70
formal governance 218	
formal institutions 55, 131, 177, 201	habits 194, 195, 229
formal organizations 209–10, 211, 212,	Hage, J. 72, 76, 77, 81–2, 84, 88, 89, 91,
222	94, 98, 163, 164
formal regulation 242	Hannan, M.T. 93, 94, 135–6, 153–4
formal rules 238	Haveman, H.A. 93, 154
France 6, 199–200, 205, 209, 215, 271	Herrigel, G. 209, 215–16
Freeman, C. 24, 29, 32–3, \$19,53, \$4,560 a	nhfeignemes 2369 257. 2478 2825 286729
Downloaded fron	n Elgar Online at 02/16/2019 11:47:42AM
	via free access

high risk strategies 75, 76, 77, 87	individuals 194–5, 196–7, 267
high tech firms 3, 6, 84–5, 91, 101, 178,	industrial classifications 23–4
179–80, 271	industrial learning 96, 98
higher education 54, 57, 74, 80	industrial orders 215–17
Hippel, E. von 161, 174	industrial relations 99, 104, 158, 201-3,
historical institutionalism 200–203, 208	276–7, 279
Hobbes, Thomas 234, 239–40	industries
Hodgson, G.M. 136–7, 194, 195	government policies 199–201, 209
'hold-up' problems 126, 131, 132, 206,	and idea-innovation chain 268, 269
233, 235, 237, 270	
	learning 96, 98
Hollingsworth, J.R. 72, 217–18, 219–21	local 181–2
horizontal cooperation 236, 271, 282,	mature 59–60
285	new 58–9, 91, 178
Huber, Peter W. 255, 257–8	and new technologies 58–60
Hull, F. 87, 103	R&D 57
human capital 79, 90, 102–3	structure 209, 211–12
	university interactions 57, 59, 170,
idea-innovation chain	180, 270
and competences 10, 13, 267–8, 274,	see also assembled products; business
281, 285	sector; capital intensive
concept 9–13	industries; flexible
constraints 274	manufacturing; labour intensive
differentiation 74, 96, 103, 104,	industries; machine tools
268–9, 271	industry; manufacturing
and feedback 100, 104	industries; marketing driven
and institutional complementarities	industries; mass production;
207, 208	science-based industries; sectors;
and institutional embeddedness	technology driven industries
274–81	inertia
measurement problems 266–7	and adaptiveness 93–4, 99–100, 101,
multi-level analysis 267–8	135–6
non-linear aspects 10–11, 20	in cycles 141
and organizational structures 13	evolutionary approaches 137, 138
processes 271–2	innovation strategies 153–4, 155
	institutional 135–6
and regulation 244–6	networks 173
structure 11, 267–71	
and technological regimes 272–4	societal 196
'idea'-'invention'-'innovation'-	informal governance 131, 218
'diffusion' chain 24–5	informal institutions 55, 177, 201
imitation 20–21, 24, 32, 118–19, 166,	informal regulation 242, 243
284	informal rules 238
implementation strategies 156–7	information
imports 20, 30, 37	and innovation 160
incentives 76, 82, 101, 230, 233, 252,	and inter-firm relations 236
274	and interactive learning 159
income policies 201	and national systems of innovation
incremental innovations 25, 29, 71, 81,	(NSI) 56
101, 176, 179–80, 206, 276	and networks 167-8, 169, 170, 172
incremental process innovations 85	and personal knowledge 118
incremental product innovation to Caspe	er anah Traphiliower Waggden - 9781845426729
Downloaded 1	from Elgar Online at 02/16/2019 11:47:42AM
	via free access

information asymmetries 117, 118, 126, 132, 205, 283	input and output analysis 8, 22–4, 102–3
information technologies 6, 32, 60, 74,	inputs 32–3, 36, 154
129, 133	institutional change 26, 64, 103, 212
innovation	institutional complementarities 206–8,
complexity 156, 163–4	281
concept 28, 231	institutional distance 288–9
defensive 235	institutional drag 60, 64
determinants 26–8	institutional embeddedness 99–100,
identification 21–2	194–5, 274–81
implementation strategies 156–7	institutional environments 61, 63–4
interactive processes 25, 51–2,	institutional frameworks 8, 201–8, 214,
160–62	274–81
interdisciplinary research 13–14,	institutional learning 60, 61, 64
287–90	institutional structure 99–100, 104
linear aspects 24–5	institutionalist approach 210, 212, 213
management 80–82, 102, 104, 157–8,	institutionalization 62, 288–9
200	institutions
non-linear aspects 10, 20, 24, 25, 160	adaptation 60, 93
and proximity 175–8	behaviour 62
rates 71, 75, 167	comparative political economy
sources 161, 162, 180–81	perspective 199–208
stages 25	concept 8, 238–9
strategies 153–8, 181–2, 235–8	and knowledge 180, 195
studies 28–31	legitimacy 210, 211
types 26–8, 100–101	levels 177
innovation systems research 51–2	and national systems of innovation
innovations 29, 284	(NSI) 60, 61, 62–4
see also incremental innovations;	new institutionalist theory 193-5
incremental process innovations;	and power 196–9
incremental product innovations;	regulatory function 138
new technologies; novelty;	selection 137, 138
organizational innovations;	social embeddedness 195-6, 202
process innovations; product	and uncertainty 195, 238-40
innovations; radical innovations;	insurance 256–7, 278
radical process innovations;	intellectual property protection 27, 59,
radical product innovations	243, 244
innovative activities 21, 23	inter-firm cooperation 236-8, 267, 271,
innovative performance 3–7, 157, 167–8,	285-6, 287
179	inter-organizational coordination 269-71
innovative performance measurement	inter-organizational differentiation 268,
biases 24	269
and economic performance 20	inter-organizational networks 98-9, 100,
indicators 11, 32-6, 38-9	103, 104
problems 20-22, 172-3, 266-7	inter-organizational relationships 96-9,
sectoral factors 32	103, 104, 128–32, 144, 162, 163–4,
and theories 22–6, 32–3	176, 218, 282–3
see also case studies; citations;	see also alliances; cooperation; dyads;
patents; research & development;	joint ventures; networks;
survey studies Steven Casper a	nd Frans partiles releate 978 alfra 5426729
Downloaded from	m Elgar Online at 02/16/2019 11:47:42AM

interactionist theories of knowledge	and competences 159
121–2, 128	differentiation 95–6, 97
interactions	exchanges 160, 176
	_
and complexity 80	and firms 124–5, 180–81
and innovation 25, 62, 158, 160, 161	growth 90, 92, 95–6, 97, 103
and national systems of innovation	and idea-innovation chain 267, 277
(NSI) 51–2, 55, 58, 61, 62	and institutions 180, 195
suppliers and buyers 58	and inter-firm relations 236, 237
and trust 134	management 77
interactive learning 158-64, 169-70,	and national systems of innovation
175–6, 277	(NSI) 55, 56, 58, 61, 277
interdependency 11, 24, 156, 157, 172	and networks 163, 172–3
international innovation networks (IINs)	new 125, 133
	*
177–8, 181–2	'packaging' 76, 79, 80
intra-organizational coordination 269,	and proximity 175
270–71, 282	sources 163–4
intra-organizational differentiation 268,	and technology 27, 174–5, 272, 273
269	theories 118, 121–3, 124, 128, 144,
invention 24, 34, 38, 161, 244–5, 247	159–60
investment 6, 87, 102, 126, 132, 154,	see also declarative knowledge;
174-5, 181-2, 232-4	documented knowledge;
, ,	embedded knowledge; explicit
Japan	knowledge; information;
capitalism 213, 214, 215, 217	objective knowledge; personal
idea-innovation chain 271	knowledge; private knowledge;
industrial policy 199, 200	procedural knowledge; public
industrial relations 276	knowledge; scientific knowledge;
institutional learning 60	tacit knowledge
inter-firm cooperation 236, 268	knowledge intensity 6–7, 32
manufacturing industries 36–7, 40,	knowledge organizations 74, 77–8
41–5, 209	knowledge transfer 120, 124, 133,
non-market coordination 205	167–8, 179–80
standard setting 278	Korea 213, 214, 215, 276
trust 196	
jobs 78–9, 80	labour 174, 175, 207
Johnson, B. 162, 195, 196	see also employment; industrial
Johnson, J.C. 166, 171	relations; jobs; tasks
joint ventures 58, 91, 96, 97, 98, 100,	
	labour intensive industries 36, 37, 40,
101, 104, 132, 236	42–3
Jorde, Thomas M. 231	Landes, David 8
journals 23, 28–30, 31, 59	language 122–3
juries 254–5	large firms 27, 30, 33, 84–5, 91, 117,
	124, 139, 165
Kagan, Robert A. 255–6	large scale technical systems 6, 73,
Klein, S. 96	232–3
Kleinknecht, A. 29-30, 33, 38-9, 129	law 56, 59, 61, 202–3, 204, 240–41, 242,
Knight, Frank H. 231	243–51, 258
knowledgeable workers 156–7, 180	see also case law; civil law; company
knowledge	law; constitutional law; contract
	er and Francy on Wommenta PT&W \$45426,729
	from Elgar Online at 02/16/2019 11:47:42AM
	via free access

legal systems; litigation; private	manufacturing industries 36–7, 40, 41–5,
law; public law; tort law	200, 221–2
Lawrence, P. 92, 93, 94, 95	market liberalization 287
leadership, shifting 101	marketing 10-11, 20, 245, 246, 271
learning	marketing driven industries 37, 40, 44
and competence 119	markets
and complexity 102	control 236
and economics 119–20	and coordination 205, 206, 207
in idea-innovation chain 271–2	flexibility 198
and inter-organizational relationships	and institutions 239
96	laws 212
management of 144, 145	and organizational types 84, 85
and networks 169-70, 171, 172-3	regulation 278–9
opportunities 154	and selection 137
and product innovations 27	size 24
see also first order learning;	structure 24, 27, 118, 119
interactive learning;	transactions 55
organizational learning; second	Marshall, A. 133
order learning	mass production 6, 209, 215–16, 219,
learning by doing 120, 124	220–21
learning capabilities 77, 153, 154, 157–8	Mead, G.H. 121–2, 123, 127
learning curve 119	mechanical-organic structure 81, 85, 91
learning organizations 77–8	mechanical structure 81, 82, 94
legal systems 241–3, 286	mergers 236, 237
legitimacy 210, 211, 212, 240	methodological individualism 194
Leontief, Wassilij 22–3	methodological interactionism 122
liability 253–4, 256–7, 278, 286	Midgley, D.F. 166–7, 171
life cycle theory 139–40	Milgrom, P. 206–7, 281
Litan, Robert E. 256, 257–8	Mintzberg, H. 11, 83
literature-based innovation output	MNEs 177, 181
indicators see citations; journals	Moore, Michael J. 256–7
litigation 241–2, 243, 253–8, 283, 286,	morale 78, 83
287	motivation 76, 77, 92, 101, 117, 158
local government 177, 178	Mowery, D. 25
location 132–4, 177, 181–2	multiplier effects 87, 103
Lorsch, J. 92, 93, 94, 95	
Lundvall, BÅ. 51, 53, 60–61, 160, 163,	national economic systems 216–17
175–6, 180, 277	national government 177, 220
	national institutional frameworks 274–81
machine tools industry 209, 215–16	national institutions 220, 241
Malecki, E.J. 174, 175	national systems of innovation (NSI)
management	building blocks 52–4, 56–8
of change 142–3, 156–7	concept 51–2
of innovation 102, 104, 157–8, 200	definitions 52, 53–4
and knowledgeable workers 156–7	development 58–60
of learning 144, 145	functions 52, 54, 56
of networks 98, 200	and institutions 7–9, 53–4, 61, 62–4,
manufacturing 10, 245, 246	229
manufacturing enterprises 79, 88, 89,	interactions 51–2, 55, 58, 61, 62
202–3, 209 Steven Casper a	nd Faadsinger Water Repair 2018 1844 165 2978 n Elgar Online at 02/16/2019 11:47:42AM
Downloaded Ifor	TI Eigar Offilite at 02/16/2019 11.47.42AW

and knowledge 55, 56, 58, 61, 277	and learning 169–70, 171, 172–3
and law 56, 59, 61, 241	literature streams 164–5
legitimization 62–3	management 98, 200
linkages 52, 54, 55	and MNEs 177–8
multilevel research 61-4	multiple theoretical models 171
and organizations 8-9, 54-5, 58-9,	R&D 104, 178, 278
229	regional 179-80
and Schumpeterian theory 26	and resources 165, 169, 170, 171, 172
systems approach 8, 9, 61	structural aspects 98-9, 103, 166-7,
and technological knowledge 27	169, 170–71, 172, 173
theories 60–64	and uncertainty 168, 170, 171, 172
nations 3-7, 35, 241, 267, 268	see also inter-organizational networks;
needs 25, 81	international innovation networks
Nelson, R. 8, 10, 51, 53–4, 59, 61, 91,	(IINs); social networks; supplier-
137, 154, 161–2, 229, 274	buyer networks; user-supplier
neo-Schumpeterian theory 24, 32	networks
Netherlands, The	networks of innovation 23
consumer trust 247–8	new institutionalist theory 193-5, 197-8,
environmental regulation 155	209, 210–12
flexible manufacturing 75	new technologies
Innovation Centres (ICs) 180	adoption 79, 156, 271
innovation imports 20, 30	and idea-innovation chain 10–11
litigation 253, 286, 287	and innovative performance
patents 3, 6, 20, 35, 251, 285	measurement 32
policies 284, 285, 286, 287	and institutional learning 60, 61, 64
proximity effects 179–80	and national systems of innovation
R&D 33, 57	(NSI) 58, 59
regulation 244, 250, 251	and production 174, 175
survey studies 29–30, 33	selection 138
networks	small firms 124–5, 139
of business groups 213–14	niches 82–3, 91, 92, 158, 287
causes 168–70	non-market coordination 205–6, 207,
coordination 97–8, 100, 200, 270–71	281
cross sector 97, 218, 220	Nonaka, I. 77–8, 142
and diffusion 166–7	Nooteboom, Bart 11, 116–17, 128, 129,
and division of labour 98, 178	134, 140–41, 236, 267–8, 272, 288
and economic performance 165	norms 82, 134, 176, 194, 195, 196, 204,
and exchange 167–8, 169–70, 218,	210, 211, 229, 243
219, 220, 221	novelty 129, 130, 133, 137, 139, 140,
exchange conditions 165, 171	141–2, 143
firms 33, 282	111 2, 113
and firms 171–2	objective knowledge 118
governance 172	O'Connor, E. 75–6, 78–9, 81
inertia 173	OECD 23, 30–31, 33
and information 167–8, 169, 170, 172	oligopolistic firms 24, 236
and innovation adoption 165–7	opportunism 117, 233, 235, 236–7, 283
and innovative performance 167–8,	opportunities 24, 118, 119, 160, 176,
170–71, 282	272, 273
and institutional adaptiveness 100	organic structure
and knowledge 163, 172–3 Steven Caspe	er angharadaptavehlegarolen - 9781845426729
Downloaded	from Elgar Online at 02/16/2019 11:47:42AM
	via free access

and flexibility 83, 154-5, 269	and risk and uncertainty reduction
and innovation 75, 76, 77, 81, 102-3,	(RUR) 235–8
269, 282	societal effects 209
multiplier effect 87, 103	theoretical perspectives 82-4
and networks 98	see also mechanical-organic structure;
small high tech firms 85	mechanical structure; organic
organizational ecology 92–3, 94	structure
organizational form 92–3, 210, 211, 214	organizations
organizational innovations	change 93–5, 137–8
and complex division of labour 75, 76,	culture 126
77–80, 88, 94–5	economic approaches 204–5
and complexity 75, 77, 87	evolutionary approaches 84, 103,
definition 71	138–9
evolutionary approaches 80, 91–5	and national systems of innovation
and feedback 88–90, 100, 103	(NSI) 8–9, 54–5, 58–9, 229
and high risk strategy 75, 76, 77	specialization 95–6
kinds 71–4	typology 84–5, 102
non-linear aspects 77, 80	Orru, M. 213–14, 215
and organizational complexity 75, 77	outputs 8, 32–3, 154
and organizational structures 75, 76,	
77, 81, 82–7	participation 81, 157
rates 71, 75	partners 125, 126, 132, 169–70, 173,
research 26, 28	179–80, 206, 236–7
organizational learning	passivist litigation 242
and adaptiveness 93-4, 102	passivist regulation 241–2, 243
and complexity 78-9, 80, 102	patents
definition 159	and citations 38, 172–3
importance 158–9	importance 34–5, 284
and inter-organizational relationships	and innovative performance
128–32, 159–60	measurement 23, 24, 34–5, 38,
levels of learning 120–21	84, 167, 181
literature streams 113–16, 143–4,	and intermediary firms 20
159	and invention 24, 34, 38
multi-level theory 127-8, 144	law 251, 258
and R&D 159	and national systems of innovation
and technology 156	(NSI) 56
organizational sociology 74-80, 82–8,	and R&D investment 87
99–100, 102–3	secrecy 34, 38, 125
organizational structures	sectoral differences 30, 38
and change, 84, 93, 94, 156–7	specialization 3–7
and education system 79–80	path dependence 11, 154, 196, 241
and idea-innovation chain 13	
and institutional environments 63–4	Pavitt, K.L. 24, 51–2, 129, 147, 161, 162
	Peneder, Michael 36–7, 40, 41–5
and institutional structures 99–100,	performance 81, 84, 102, 154, 155, 157,
104, 202	165, 210–11
measurement problems 266–7	personal knowledge 118
and multiplier effect 87, 103	policies <i>see</i> government policies
and new institutionalism 210–12	policy-making 56
non-linear aspects 85	politics 127, 196–9, 216–17, 221, 240
	19 5 5 6 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 9 9 9
Downloaded from	Elgar Online at 02/16/2019 11:47:42AM

populations 134–5	costs 85
Porter, M.A. 3, 53, 118–19	and employment 88, 90, 99
power 196–9, 212, 240	and feedback 88, 104
private knowledge 120	and innovation identification 21
private law 243	and interactive learning 160
private regulation 242, 243	and motivation 76, 101
private sector organizations 71–2	-
procedural knowledge 123, 124,	
process innovations 24, 26–8, 30	
91	research organizations 72
producers 158, 160, 176, 270	and Schumpeterian theory 25
product development 10, 245, 24	
product innovations	and spatial proximity 176, 179–80
and demand 26, 28, 91	and survey studies 29
determinants 26–8	radical process innovations 72, 81, 89,
and environmental regulation	
and firms' characteristics 27–	
155	271
and patents 24	Rappa, M.A. 62
regulation 245, 246, 248, 249	
and sales 35, 39	rationality 194, 210–11
survey studies 29–30	reciprocation 11, 141, 142, 170
theoretical aspects 32	regional economic growth 174–5, 176–7,
product standards 246, 249-50	178–9
production 6, 32, 128, 161, 164,	
209, 215–22, 235, 245, 246	•
productivity 88, 119–20	180–81
professionals 78, 88, 165	regulation
professions 56, 59, 79	changes 210, 212
profit centres 95	and competition 252
profits 118–19, 137, 160	costs 250, 252
property rights 27, 59, 211, 243,	
prototypes 85, 161	and freedom 250–51, 252
proximity 174–8, 283	and innovation 155, 158, 243–51, 283
public knowledge 120	and litigation 241, 242, 243, 253
public law 243–4	and national systems of innovation
public sector organizations 71, 2	
210–11	open-ended 251
public sector R&D 54, 56, 57–8	
161, 270, 271	of production 219, 245–6
public services 74	and public law 243–4
'punctuated equilibria' 139, 140	
O W 110	types 241–3
Quine, W. 118	and uncertainty 230, 252–3
Quinn, R. 83–4, 86, 139	regulatory agencies 243 Reijnen, J.O.N. 29–30, 129
radical innovations	relationships 134, 214, 218
and adaptiveness 92–3	reputation 63, 132, 134, 170
and consumer trust 247	research & development (R&D)
	even Casper and 15:4868 1989, 16:39:39:59:129,786845426729
	ownloaded from Elgar Online at 02/16/2019 11:47:42AM
	vio free ecoco

business sector 54, 57, 58	Rosenberg, N. 22, 25, 59, 96
and competition 116, 117, 285-6	routines 137, 153, 154, 159, 209
complementary competences 129, 286	rules
decision making 116–17	of behaviour 194, 195, 196, 238-9
expenditures 6, 7, 33, 36, 58, 72–3,	formal 211
85, 89, 116–17, 284–5	in industrial orders 215-16
hazard rate 116, 117	and institutions 238-9
as innovative performance indicator	and law 241
30–31, 32, 33, 38, 284	and national systems of innovation
investment 87, 102, 174–5	(NSI) 8, 229
and knowledge intensity 32	and organizations 128, 218
manufacturing industries 36, 37, 40,	rules of the game 194, 196–7, 198, 209,
41–5	216–17, 222
multidisciplinary 57	
and national institutional frameworks	Sabel, C.F. 197–8
274	sales 20, 35, 39
and national systems of innovation	Saxenian, AnnaLee 271
(NSI) 54, 55, 56	Schein, E.H. 126
networks 104, 178, 278	Schmookler, J. 25
and organizational learning 159	Schotter, A. 194
and organizational structure 85	Schumpeterian theory 24–5, 26, 60, 85,
policies 6	136, 139, 160
public sector 54, 56, 57–8, 96, 98,	science 10–11, 23, 25, 27, 56, 57 science-based industries 27, 28, 232–3,
161, 270, 271	270
research projects 72–3, 86–7 and secrecy 38	scientific knowledge 27
small firms 33, 38, 85	scientific knowledge 27 scientific research 59, 74, 80, 161–2
sources 28, 57, 271–2	Scott, W.R. 63, 210, 211
and survival of firms 89–90	second order learning 120–21, 138
tasks 86–7	secrecy 27, 30, 34, 38, 125
types 33, 54	sectors
and uncertainty 116–17	definitional problems 23–4
universities 54, 56–7, 74, 162, 275	and innovation systems research 51–2,
research & development (R&D)	56
organizations 57, 72, 74, 85–7	and innovation type 30
research departments 24, 75, 77, 78, 90,	networks 97, 282
91, 92, 103, 161	new 74, 91, 95
research institutions 27, 93, 162	organization 218–20
research laboratories 74, 101, 164	patents 30, 38
resource-based approach 62, 118, 119,	regulation 244
127, 163, 169, 171	size 24
resources 121, 170, 209, 222, 232–3,	specialization 6, 36-7, 40, 41-5, 95
235	and technological competition 27
retraining 92, 101	and technological regimes 272-4
risks 152–3, 230, 231–4, 233, 235–40,	see also biotechnology; business
282–3	sector; finance sector; industries;
see also high risk strategies;	services sectors
roles, organizational 128 Sieven Casper a	1146114691141101412412;1243/01040420/29
Downloaded Iron	via free access
uncertainty Roberts, J. 206–7, 281 roles, organizational 128 Steven Casper a	selection 134–5, 136–9, 153, 154–5, 170, 173 nd Fire Warti Wagarben 49781845426729 n Elgar Online at 02/16/2019 11:47:42AM

sense making 118, 120, 122, 126, 234 services sectors 30, 32, 73–4, 101 shared meanings 128, 129 shocks 198, 201 Siebert, H. 174–5 skills and diversification 28 and feedback 88 and idea-innovation chain 267, manufacturing industries 41–5, and national systems of innovat (NSI) 55 and radical innovation 81, 101 and Schumpeterian theory 26 and specialization 120 and tacit knowledge 123–4 small firms absorptive capacities 130 division of labour 125 innovation 24, 27, 139 inter-organizational relationship 131, 165, 271 knowledge 124–5 motivation 101, 117 new technologies 124–5, 139 organic structure 84–5 R&D 33, 38, 85, 116–17 SMEs 24, 27, 30, 91, 177, 179–81 Smits, W. 29–30 social actors 199, 201–2, 205–6, 2 211, 238–9 social capital 270, 287 social change 243 social embeddedness 195–6, 202 social groups 209, 210 social networks 165–6 social systems of production 217–societal effects school 79–80, 104 213 society 76, 91, 99, 104, 195, 209,	manufacturing industries 36–7 occupations 94 organizations 95–6 and productivity 119–20 sectors 6, 36–7, 40, 41–5 transaction costs 126 see also differentiation 126 spillovers 24, 32, 89–90, 119, 120, 125, 131, 132, 133, 181, 182, 270 Stalker, G.M. 83, 84–5, 92, 94, 101 standard setting 59, 277–8, 279 standards 56, 155, 176, 242, 246, 249–50 state and law 201, 240, 241, 242, 243 and regulation 243 see also governance; government policies; local government; national government; nations; regional government status 165, 166, 171 statutory regulation 241, 253, 254 strategic alliances 58, 97, 165 Streeck, W. 202–3, 217–18, 219–20 structural contingency perspective 82, 91–2, 93, 94, 98–9 structural inertia 153–4 Stuart, T.E. 165 supplier-buyer networks 168, 170, 179–80 supplier-buyer networks 168, 170, 179–80 supplier-user networks 55, 158 suppliers 25, 27, 58, 125, 159, 161, 162, 218 supply 25, 128 survey studies 21, 23, 28–31, 33 symbolic interactionism 121–2, 123, 127 'system of shared meanings' 128, 129 systems approach, national systems of
socio-cognitive approach 62 Soete, L. 54, 60 Soskice, David 203–4, 205 spatial proximity 175–6, 179–80 specialization and concentration 133, 142 and constitutional order 198 and exports 35	tacit knowledge 119, 120, 123–5, 133, 142, 162, 176, 276, 285 Taiwan 213, 214, 215 Takeuchi, H. 77–8, 142 Targeted Socio-Economic Research (TSER) 26, 28 tasks 84, 97 ren Casper regimical enangly 64, 450-9781845426729 renloaded from Elgar Online at 02/16/2019 11:47:42AM

technical education 79, 80, 102	trade journals 28–30, 31
technical information 23	trade statistics 35–6
technical innovation 24	training 26, 81-2, 88, 219, 277, 279
technical progress 101, 103	see also education; jobs; learning;
technical training 75, 79, 80	retraining; skills; tasks;
technological change 22–3, 24–5, 159,	vocational training
174–5, 176	transaction costs 57, 117–18, 125–7,
technological discontinuities 140	129, 131, 132, 283, 287
technological innovation 22	transaction partners see partners
technological paradigm shifts 59, 60	trust 122, 131, 132, 176, 195–6, 208,
technological processes 32	237, 238, 247–50
technological regimes 272–4	,,,,,
technological threats 160	uncertainty
technology	and alliances 58, 63
alliances 165	compared to risks 231
and competition 27	and competition 230, 235
development 54	and cooperation 233, 235, 282–3
diversification 129	and exploration 121
government policies 124–5, 178–9,	and innovation 231–4, 235
200, 283–7, 290	and institutions 195, 238–40
importance 25	and litigation 253–4, 255–8, 286
and innovation systems research 51–2,	and networks 168, 170, 171, 172
56	and R&D 58, 116
and inter-organizational relationships 130	reduction strategies 235–40
	and regulation 230
and knowledge 27, 79, 174–5, 272, 273	and transaction costs 117–18, 126,
and MNEs 178	
	unions 59, 201, 202, 203, 209, 276
opportunities 24, 160, 176	United Kingdom 29, 60, 79, 199–200, 205, 209, 236, 248, 276, 277
and organizational form 92	United States
and organizational learning 156	
and organizational types 84	basic science research 161–2, 275
polarization 174–5	capitalism 215, 216
and regulation 246–7	flexible manufacturing 75, 80
and science 10–11, 57	innovation 7, 166, 271–2
technology driven industries 37, 40, 45	institutional change 211–12
technology-push 25	institutional learning 60
technology transfer 57, 270, 275, 278	inter-firm cooperation 236, 271
Teece, David J. 35, 130, 154–5, 231	internet services 74
Teubal, M. 52, 54–6	litigation 253, 254–8, 286
Thompson, J.D. 11, 127	manufacturing industries 36–7, 40,
throughput 24, 34	41–5, 79, 88, 89, 209, 215, 216,
Tillinghast Insurance Consultancy Firm	219
253–4	market coordination 205, 206, 207
time 21, 31, 35, 166, 171, 175, 233, 236,	national institutional framework 275,
270	277, 278–9, 286
tort law 253–4, 256	organizational structures 87, 95, 202,
Townsend, J. 23, 24, 29	210
trade associations 58–9, 201, 204, 236,	patents 3, 5, 6
	and Fregal and West 02/16/2010 11:47:420M
Downloaded from	m Elgar Online at 02/16/2019 11:47:42AM

social systems of production 217–19,
220–21
survey studies 29
training 277
universities
industry interactions 57, 59, 164, 170,
180, 270
joint ventures 96, 270
national systems of innovation (NSI)
54, 55, 56–7, 59
R&D 54, 56–7, 74, 162, 275
and survey studies 29
user-supplier networks 55, 158
users 23, 25, 27, 158, 160, 161, 176,
270
see also consumers; customers

values 195, 196, 211 Veblen, Thorstein 136–7 Viscusi, W. Kip 256–7 vision 76, 101 vocational training 205–6, 207, 277 'voice' relationships 198, 202–3, 205, 206, 208, 236, 237–8, 276 Volberda, H.W. 142–3

Walton, R. 75, 81, 99, 104 WIFO taxonomy 36–7, 41–5 Winter, Sidney 91, 118, 137, 154 works councils 202–3, 276

Zammuto, R. 75–6, 78–9, 81 Zysman, J. 199–200