Index

11 September 2001 terrorist attack 37–8

Aarts, Henk 127, 128, 309, 310
Abbott, Andrew 73
Abelson, R.P. 231, 240
accidents 39, 41, 194, 210–11, 233
accounting 88–9
see also accounting change; accounting systems; institutional perspective on management accounting routines; management accounting accounting change 99–103
accounting systems 88, 100–101
Acharya, A. 44–5
action 23, 91–3, 94, 109, 156, 211, 212, 235, 237–9, 292
see also action networks; collective action; line of action; performance feedback theory; performative aspect of routines
action networks 296
adaptation
and calculation 245
in capability-based view of the firm 117–18
in loosely-coupled systems 56
and negative feedback 141, 142
and organizational learning 175
and organizational routines in evolutionary economics 68–9
and organizations as going concerns 55, 56, 69
and revision of organizational routines 127
Adaptive Control of Thought (ACT) theory 208
Adler, P.S. 294, 295
administration 65–6
affordances 320–21
aggregation, as dimension of reproduction mechanisms 248
aircraft accidents 210–11, 233
Alchian, A. 259, 260
Aldrich, Howard E. 125, 126, 142–3
Allison, Graham T. 35–6, 40, 41, 168, 234
Allport, Floyd Henry 304
Anderson, J.R. 206–7, 208–9, 210, 213, 306–7, 308, 309, 311
Anderson, P. 162, 171–2, 173
Andriessen, J.H.E. 261
Aoki, M. 111
appreciative theory 68, 71, 74, 75
appropriateness 6, 45, 169, 308–9
arenas see social worlds/arenas
Argote, L. 153, 159, 161, 163, 169, 171, 293
Argyris, C. 269
Aristotle 19–20
artifacts
and change in organizational routines 244
comparison of organizational routines 294, 295
in concept of organizational routines 286–7, 288, 289–90
described 236, 244
in empirical field studies of organizational routines 283–4
and identification of organizational routines 291
as reproduction mechanism 243–4, 249
see also codebooks; rules; standard operating procedures
artificial intelligence 206, 207–8, 231–2
Ashford, Blake 233
aspiration level, in performance feedback theory 188, 189–91, 195–6, 197–8, 199, 200
assumptions, taken-for-granted, in management accounting 93, 94, 100, 101, 102
Atkinson, R.C. 209
attention 209, 212, 256, 258
authority 66, 73, 78–9, 110
see also charismatic authority; control; formal authority; power; procedural authority
automatisms 128, 130, 245, 305, 312–13
see also cognitive automatisms; motor-sensory automatisms; visual automatisms

Bacdayan, Paul 11, 22, 23, 97, 139, 155, 161, 171, 194, 206, 208, 217, 234, 244, 288, 305–6, 307–8, 311–12, 319
bankruptcy 126, 136, 137, 144
bargaining 36, 38, 41, 172
Barker, James R. 247
Barley, Stephen R. 73, 74, 244, 293
Bartlett, J. 216–17
Beamish, Thomas D. 60
Becker, Howard S. 56, 60–61
Becker, Markus C. 58, 94, 95, 97
Beckman, C.M. 162, 166, 173
‘behavioral theory of the firm’ 156–7, 158, 188–9, 190, 230
see also performance feedback theory
behaviour perspective, in experimental psychology 305–6
behavioural cues 131, 132, 139
behavioural game theory and theory of routines
critique and future directions 318–22
current research 314–18
behaviours
in concept of habits 16, 17, 127, 128, 129, 130
in concept of organizational routines 18, 19, 20, 132
belief learning models 315–16
Bendor, J. 42, 43
Benner, M.J. 175
Berger, Peter L. 154, 231, 239–40, 241, 242, 247
Bergson, H. 211–13
best practices 264, 266, 271
Betsch, Tilmann 309–10
Biggart, Nicole W. 60

biological factors see body; brain; neuronal networks; ‘routines as genes’
Blinder, Alan S. 304
body 212–13, 215
Boekle, Henning 45, 47
Bohmer, R.M. 164
Boland, R.J. 258
Bornstein, A.-L. 313
Boulding, K. 214
boundaries 274, 282, 288, 290–93
bounded rationality
and coordination 265
in evolutionary economics 67–8, 70, 71
and game theory 317
in performance feedback theory 188
in problem-solving 38–9, 112
and ready-made solutions 134
and search 266–7
brain 213–14, 215
bricolage 161, 163, 165–6
British artillery case study 23, 156, 234
Brooks, D. 161, 171
bureaucracies 64–6, 72–3, 74, 165
bureaucratic politics 35–41
Burgelman, R.A. 161, 165, 168
Burns, John 89, 90, 91, 92, 94, 98, 99, 101–3
Burns, Tom 73–4
calculation 244–5, 248, 249
Camerer, C.F. 316, 319, 321
Camus, J.F. 209
capabilities 18, 21, 35–6, 69, 179–80, 256
see also capability-based view of the firm; capacities; competency traps; dynamic capabilities; skills
capability-based view of the firm
change in organizational routines 118
cognitive dimension 117, 265, 266–7
described 108
and organizational routines 108–9, 117–18
problem-solving capability and governance structure 109–11
towards a formal representation 111–17
capacities 19–21, 23, 24, 25, 109, 153
see also capabilities; competency
traps; developmental capacity; generative capacity; skills
capitalism 64–7, 71, 78–9
card playing 155, 161, 217, 305–6, 307–8, 311, 312
Carnegie School 62, 230
centralization 114, 220–21
ceremonial accounting routines 98–9
Chandler, A.D. 260
change 96–7
see also accounting change; change in organizational routines; cultural change; economic change; environmental change; evolutionary theories; organizational change; resistance to change; social change; technological change
change in organizational routines in accounting 99–103
artefacts, role of 244
in capability-based view of the firm
and economic change 58
in empirical field study research 285–6
in evolutionary economics 68–9, 141–2
incremental and radical changes 9, 195, 197
limited capacity 24
and organizational learning 175–8, 194, 195
and organizational structure 194, 195
and performance feedback theory 192, 193, 194, 195–8, 199–200
in political science 40, 41
quality standards see quality standards
and social change 235–6, 285
and technological change 118
charisma 229, 230
charismatic authority 66, 78, 230
Clarke, Adele E. 56
Clarke, Lee 46
clusters of conventions 56, 58, 62, 71
codebooks 260–61, 262, 264
codes 288, 319, 321
codification
effect on innovation 218, 219
in knowing communities 262, 266
and organizational learning 177
and organizational memory 154–5, 156
and pre-planned retention 170
and replication of organizational routines 24
resistance by individuals 219
in Tayloristic organizations 110
in teams 260, 261, 265
codified rules 265
coding schemes 288
coercion 242, 247, 249
cognitive acts 112
cognitive automatisms 208, 209–11, 212, 222, 223, 233
cognitive commonalities 177, 265, 269, 271, 272–3
cognitive dimension 117, 153, 230, 234–5, 256, 257, 266–8, 269–71
see also learning; memorization; ostensive aspect of routines
cognitive efficiency 302–4
cognitive effort 215, 246
cognitive perspective versus behavioural perspective on organizational routines 305–6
Cohendet, Patrick 260, 267
cohesion 272, 273, 275
collective action 55, 58, 59, 60, 69, 77
commitment 246–7, 249, 263, 264, 270
communication 260–61, 272
communities of practice 262–3, 266, 269, 270, 271, 272, 274
comparison of routines, in empirical field studies 293–5
competency traps 231, 233, 245–6, 249
competition 69, 175
complexity 192, 211, 281–6
compliance 242, 243
computer programs 18, 20, 21
see also artificial intelligence
concatenation of procedural memory 23, 244, 249
concept of organizational routines and concept of habits 15–17, 131–2
coordination 153, 256, 257
dimensions 256–7
dispositions 4, 5, 18, 20, 21, 25, 131
in empirical field studies of organizational routines 286–90
information transmission 21–5
order 6–7, 118
‘routines as capacities’ (see capacities)
‘routines as computer programs’ 18, 20, 21
‘routines as genes’ 5, 10, 18–19, 20, 21, 142, 143, 144, 145, 232
rules (see rules)
concurrency 296–7
conditioned behaviour 317–18
confirmation bias 309–10
conflicting norms 43–4, 45–6, 47
conflicts of interest and accounting change 102–3
in capability-based view of the firm 116
in concept of organizational routines 257
in evolution of organizational routines 268, 269
in knowing communities 264
in ostensive aspects of routines 288
and problem-solving in capability-based view of the firm 109–10
and reciprocal typification 241–2
conscious processes 303
consequences 169
constraints 17, 37, 38, 41, 44, 95, 129–31
context 21, 109, 211, 212, 257, 258–9
see also context; external environment; knowing communities; physical environment; social environment; teams; uncertain task environment
contextual cues 127, 128–9, 130
core control 117, 209
conventions, social see social conventions
cooperative strategies 42
coordination and bounded rationality 265
bureaucratic politics and organizational routines 35
in concept of organizational routines 153, 256, 257
in group problem solving 312–13
institutional perspective on management accounting routines 93–4
and managers 272–3
and replication of organizational routines 126
teams versus knowing communities 272
and transactional memory 217
and uncertain task environments 132
coordination games 315–16, 317–18, 319, 320–21
copying fidelity 138
core competences 273
Coriat, B. 110, 116, 257
creative destruction 58
creativity 164, 165, 180, 218, 219
see also imagination; innovation
cross-sectional studies 293–4
Crozier, Michel 74
Cuban missile crisis 35, 38, 40, 168
cues 21, 22–3, 25–6, 127
see also behavioural cues; contextual cues
cultural change 62
cultural stability 62
culture 60–61, 62
current paths 238, 239
custom 16
customary law 42, 43–4
Cyert, Richard M. 38–9, 72, 95, 97, 98, 156–7, 158, 188, 190, 230, 266
Dalton, Melville 72
Damasio, A. 214–15
dance band study 60–61
Darr, E.D. 159, 164, 170, 293
Darwin, Charles R. 23
de Ruyter, K. 218–19
decentralization 114, 115
decision making
  appropriateness, logic of 45, 169, 308–9
  and bounded rationality in problem solving 38–9
bureaucratic politics and organizational routines 36, 38
and institutional perspective on management accounting routines 98
learning routines and politics 179
in performance feedback theory 188, 189, 190, 192, 201
and problem-solving in capability-based view of the firm 117
top management and organizational memory 156
declarative knowledge
  context 211
  in ISO certification case study 222 versus non-declarative knowledge 213–14
  and organizational learning 172
  and organizational memory 155
  versus procedural knowledge 206–9, 306–8, 311
declarative memory
  in content of organizational memory 218
  in experimental research on organizational routines 306
  role 207, 208, 213, 214
  and tacit learning 303
  in theories of organizational routines 234
decomposition, in problem-solving 114–15, 116, 117
definitions of organizational routines as capability/capacity 18, 21, 25, 109
  cognitive dimension 25, 153
  as dispositions 21, 25, 131–2
  in evolutionary economics 18, 21, 58, 109, 187, 217
  general 18, 191
  in organizational economics 18, 58
  in organizational learning 21, 257
  as procedural knowledge 206, 208
  ‘routines as genes’ 18–19
Demsetz, H. 259, 260
Denis, Blandine 118, 177, 220–23, 291, 294, 295
depreciation from organizational memory 170
developmental capacity 139, 140, 141
Dewey, John 6, 16
differential replication 126, 138–41, 142, 144
diffusion 126, 134, 136, 137, 138, 142, 144, 164, 166
Dijksterhuis, Ap 127, 128, 309, 310
disequilibrium 58
dispositions
  in concept of habits 16, 25, 127–9, 130
  in concept of organizational routines 4, 5, 18, 20, 21, 25, 131
dissociated memory 208, 303, 306
distributed processes 283, 287, 288
division of cognitive labour 111, 117
division of labour 57, 221, 260, 312–13
Divry, C. 217
Douglas, Y. 162, 169
Drezner, Daniel W. 46
dyads 241–2, 305–6, 313, 319
Dyer, J.H. 170
dynamic capabilities 69, 118, 232
ecological validity 319
economic change 58
economics, research routines 76–7
Edmondson, A.C. 164
effectiveness 232
efficiency 241–2
effort 216, 223, 224, 243
Egidi, M. 306, 312
Eichenbaum, H. 208, 213–14
Einstellung 302
elimination 134, 142
emergent processes
  retention 161–2, 171–2
  selection 161–3, 168–9
  variation 161–3, 165–6
see also knowing communities
emic perspective 288, 292–3
emotions 16, 61, 171, 213, 214–15, 224, 233–4
empirical field studies of organizational routines
comparison of routines 293–5
conceptualizing routines 286–90
concurrency 296–7
identification of routines 290–93
point of view 287–8, 289, 295–6
empirical research 71, 74–5, 290–91
see also empirical field studies of organizational routines
enabling routines 95
enforcement 34, 35, 42, 242, 247
environmental change 233
environmental feedback 143
environmental interaction 126, 140, 142
environments see context; environmental change; environmental feedback; environmental interaction; external environment; physical environment; social environment; uncertain task environment
epistemic communities 262, 265, 269, 270, 271, 272
Eppe, D. 159, 293
equilibrium 42, 43–4, 46, 314, 315, 316–17, 319
equivocality, and sensemaking 62
Erev, I. 314–15
ethnography 79
see also empirical field studies of organizational routines; organizational ethnographies
etic perspective 288, 289, 292, 293
European integration 34
evaluation, in performance feedback theory 189
events 208, 211, 212, 213, 214
evolutionary economic sociology 67–75
evolutionary economics 18, 21, 58–9, 60, 65–6, 67–70, 71, 141–2, 267
evolutionary game theory 42–4
evolutionary system philosophy 24–5
evolutionary theories
incentive systems 268–9
leadership and managers 272–3
memory and learning 303
principles
information transfer 125, 126, 135, 136, 137, 139–40
selection 125–6, 135, 136–42, 143–4
variation 125, 135–6, 138, 140, 158
purpose 125, 135
replication of habits and organizational routines 138–41
theories of organizational routines 141–3, 232
types 135–6
see also evolutionary economic sociology; evolutionary economics; evolutionary game theory; evolutionary system philosophy
EWA (Experience Weighted Attraction) 316
ex-post rationalization 316–17
exit 126, 136, 137, 144
expectations 240, 241, 249
see also ostensive aspect of routines
experience 17, 154–5, 158, 263
experimental psychology and organizational routines 302–6
experimental research on organizational routines
behavioural game theory and theory of routines
critique and future directions 318–22
current research 314–18
features amenable to experimental inquiry
individuals versus groups 312–14
information search 309–10
memory 306–8
retrieval of appropriate routines 308–9
routine transfer, suboptimality and path dependence 306, 307, 309, 310–12, 313, 319
history 302–6
experimentation 159, 164, 175, 178–9, 192, 266
explicit memory see declarative memory
expressive aspect of routines see performative aspect of routines
external environment 72
Index 331

external sources 160, 162, 170–71, 171–2
retention 160, 162–3, 167–8, 169
variation 160, 162–3, 164–5, 166

facts, memorization of 208, 211, 212, 213, 214
Faillo, Marco 108, 109
failure of organizational routines 37–8, 41
familiarity 240
Farrell, T. 45–6
Feldman, Martha S. 9, 62, 72, 93, 100, 153–4, 175–6, 179, 211, 216, 219, 235–6, 242, 244, 245, 284, 285, 286, 287, 291, 294, 295
Felin, T. 256
financial accounting 88
firms, as replicators 138–9
fitness 56, 113–14, 136–7
flexibility 214, 245
focal points 320–21
forgetting of routines 163, 169, 220
see also unlearning of routines
formal authority 62, 66, 110, 177, 223, 224
formal rationality 66, 71
formal rules 34
formal structure, going concerns 70–71, 72
formal theory, in evolutionary
economics and evolutionary
economic sociology 68, 71, 74
formalization 243, 249
see also codebooks; codification; rules
Foss, N. 256
free will 211, 212
Freeman, John 24, 142, 197
Fried, Yitzhak 233
functional teams 260–61, 265, 269, 270, 271
functionality, of institutions 64, 65
game theory see behavioural game
theory and theory of routines;
evolutionary game theory;
prisoner’s dilemma
Garud, R. 158, 159, 167
generative capacity 68–9
generative processes, routines in
capability-based view of the firm
117–18
generative selection 126, 134, 136,
137–41, 142, 143, 144
generative structure 19, 21, 25
genes, routines as 5, 10, 18–19, 20, 21,
142, 143, 144, 145, 232
George, Alexander L. 39
Gersick, Connie J.G. 194, 210–11, 233–4
goals
hierarchical structures 194–5, 198,
199
in performance feedback theory 188,
190, 191, 192, 193, 198–9, 200
in retrieval of routines 309
Goertz, Gary 41, 47
going concerns 55–6, 57–8, 69, 70–71,
72
Goldsmith, J.L. 42, 43
Gong, Yan 161, 163, 166, 172, 180
Gouldner, Alvin W. 72–3
governance 109–11, 115–17, 118, 257,
267–8
governmental politics
analytical studies of international
law 33–4
bureaucratic studies 35–8, 39–41
and international norms 41–7
grammars 235, 303–4
graphical representation 296
Greve, Henrich R. 159, 167, 188–90,
191, 196, 197–8
grounded theories 68, 71, 75
groups
and distribution of organizational
memory 217
experimental research on
organizational routines 304–5,
312–13
in performance feedback theory 188,
190–91, 192, 196, 198, 199–200
see also occupational groups; self-
organized groups; teams
habit-memory 212
habits
changes 192, 195
concept 5–6, 15–17, 25, 127–9, 132
and concept of organizational routines 15–17, 131–2
definitions 15–16, 127–9, 191
development 129–31
in performance feedback theory 191–3, 195, 198, 199
and procedural memory 22–3
properties 133–4
replication and generative selection 138–41
replication through imitation 17, 24, 126
as replicators 126, 138, 139, 140, 141
strength 129
habitualization 231, 239–40, 249
Hackman, J. Richard 194, 210–11, 233–4
Halperin, Morton H. 36
Hannan, Michael T. 24, 142, 197
‘hard’ law 34–5
Hargadon, A.B. 162, 169, 171
Hatch, N.W. 170
Haunschild, P.R. 160, 162, 165, 166, 173
Henderson, A.D. 159, 160, 167–8, 172
Herrmann, Richard K. 47
hierarchies
of goals 194–5, 198, 199
of management 72, 74
of organizational structures 194, 195, 200
see also bureaucracies; high-level officials; levels of routines;
lower-level officials; lower-level units; top management
high-level officials 33, 35, 36, 39–40
Ho, C.-H. 316
Hodgson, Geoffrey M. 25, 94, 125, 126, 128, 131–2, 136, 138, 139, 143, 153, 191, 256
Holyoak, K.J. 303
Howard-Grenville, Jennifer A. 177, 178, 245, 291
Hughes, Everett C. 55–6, 61–2, 67, 69
Hull, David L. 25, 138, 139, 140
Humphrey, C. 98–9
Hutchins, Edwin 155, 162, 166, 194, 320
hypocrisy 43, 178
identification of routines 290–93
images, memorization 211, 213, 214
imagination 212
see also creativity
imitation 17, 24, 99–100, 126, 131
implicit learning 17, 302–4, 305, 306–8
implicit memory see non-declarative memory
improvization 161, 165–6, 179, 180
incentive-based view of the firm 107–8
incentives
in capability-based view of the firm 110, 116, 117
in concept of organizational routines 257
in evolution of organizational routines 268–9
for habits 17, 130–31
for knowledge creation 269
and organizational routines 304–5
for organizational routines 110, 116, 117
and resistance to change 224
and population ecology 142
teams versus knowing communities 270, 271
incremental change in routines 9, 195
individual routines see habits
individuals
and distribution of organizational memory 217
experimental research on organizational routines 304–5, 312, 313
identification in empirical research 290–91
in performance feedback theory 190, 191–2, 195, 198, 199, 200
inertia
bureaucratic politics and organizational routines 35, 36
and capability-based view of the firm 118
and cognitive automatisms 210–11
and performance feedback theory 196, 197, 198
and persistence of organizational routines 133
and population ecology 142
from tacit and procedural knowledge 234
informal norms 46
informal organizational structure 70–71, 72
informal rules 34
informal standard operating procedures 154–5
information collection 192, 193
information overload 220, 222, 224, 225
information processing 209
see also cognitive automatisms
information transfer
in concept of organizational routines 21–5
in evolutionary theories 125, 126, 135, 136, 137, 139–40
in institutional perspective on management accounting routines 94–5, 97
international norms 41–7
innovation 68–9, 73–4, 218, 219
see also creativity; new job creation; new knowledge; new product development; new routines; new technology; research and development
instinctive imitation 17
institutional perspective on management accounting routines
accounting change 99–103
accounting routines: properties 93–9
accounting rules and routines 90–91
actions and institutions 91–3, 94
overview 89–90
institutional perspective on organizational routines 231
institutionalization 154, 155, 242, 249
institutionalized search 187
institutions 64–7
intentions 16–17, 128, 130, 290
inter-organization transfer of organizational routines 132–3
inter-organizational search 187–8
inter-organizational transmission of rules 41–7
interaction
and organizations as going concerns 55
and selection in evolutionary theories 126, 138–9, 140, 141, 142, 144
and social conventions 58, 61
see also knowing communities; teams
interactive learning 317, 319
interactors 24–5, 126, 138–9, 140, 141
internal sources
retention 159, 161, 170, 171
selection 159, 161, 167, 168–9
variation 158–60, 161–2, 164, 165–6
international law 34–5, 42, 43–4
international norms 41–7
international regimes, defined 31
intuition 17
Ireland 45–6
iron triangles 40
ISO certification 175, 177, 218, 219, 220–23
Israeli government 39
Jagd, S. 96–7
James, William 16, 213
Japanese Ohnistic organization 110–11, 257
Jobe, L.A. 170
jobs 161, 165, 168, 169, 170
see also occupational groups
Johnson, H. 99
Jones, Dorothy V. 43
Jordan, Andrew 34
Kaghan, William N. 72
Kahneman, D.A. 209
Kanter, Arnold 36
Kaplan, R. 99
Kauffman, S.A. 9, 113–14
know how see procedural knowledge
know why see declarative knowledge
knowing communities 258, 261–2, 263–4, 265–6, 269–72, 274
knowledge
in concept of organizational routines 15, 25, 256, 257
creation 218, 219, 222, 223, 243, 261, 262, 265–6, 269
and habits 17
in knowing communities 261, 262, 263, 264
in teams 260–61
see also declarative knowledge; procedural knowledge; tacit knowledge
knowledge brokers 170–71
Knudsen, Thorbjørn 8, 17, 25, 95, 125, 126, 128, 132, 136, 138, 139, 143, 153
Krasner, Stephen D. 31, 39
Kreps, D.M. 271
Kuhn, Thomas S. 76
Kuperman, Ranan D. 39
Kyriakopoulos, K. 218–19

labour mobility 23–4
languages 234–5, 321
see also grammars; shared languages
Lant, Theresa K. 167, 191, 196, 200
Latham, Gary P. 191, 192, 200
Lave, J. 262, 263, 310–11
law 24, 34–5, 42, 43–4, 164–5
Lazaric, Nathalie 118, 177, 217, 220–23, 291, 294, 295
leadership 247, 249, 260, 272
see also management; managers; top management
learning 17, 46–7, 109, 178–81, 264, 314, 315–18, 319, 320–21
see also experimentation; implicit learning; learning-by-doing; organizational learning; organizational learning and organizational routines; population-level learning; reinforcement learning; rote learning; trial-and-error learning; unlearning of routines; vicarious learning
learning-by-doing 260, 269, 270, 271
legitimacy 160, 170
Leibenstein, H. 223, 224
Leidner, R. 294–5
level of aggregation, as dimension of reproduction mechanisms 248
levels of routines and organizational learning 173, 175, 176, 177 and performance feedback theory 195–8, 199, 200, 201 and search 118
Levinthal, Daniel 107–8, 116, 117, 118, 127, 175, 245
Levy, Jack S. 37, 40
Liang, D.W. 217
line of action 55, 77
Llerena, Patrick 260, 267
Loasby, B.J. 268
localization, and international norms 45
localized routines 165
lock-in 162, 169, 210–11, 231, 246, 268–9
Locke, Edwin A. 191, 192
long-term memory 209, 214, 306
longitudinal studies 293
loosely coupled systems 56–8, 62, 78
Lorge, I. 304
lower-level officials 33, 36
lower-level units 165, 168
Luchins, Abraham S. 302
Luckmann, Thomas 154, 231, 239–40, 241, 242, 247
Macintosh, N. 89, 95
macro-level routines 195–8, 199, 200, 201
Maitlis, S. 171
management 65, 72, 73–4
see also management accounting; managers; professional management; strategic management approach; top management
management accounting 88, 89–90, 103
see also institutional perspective on management accounting routines
managers 190, 191, 200, 272–3
mapping processes 296
March, James M. 6, 21, 38–9, 57, 72, 95, 97, 98, 141, 156–7, 158, 167, 169, 173, 175, 179, 188, 190, 194, 230–31, 233, 245–6, 247, 256, 266–7, 308–9
Marengo, Luigi 107–8, 109, 112, 114–15, 116, 117, 267
market selection 142, 160, 167
McDougall, William 16
McKeown, Timothy J. 38, 40
meanings 96–7, 258–9
measurement of organizational routines 41
see also Tayloristic organization
mechanical mindset 302
memorization
cognitive automatisms 208, 209–11, 212, 222, 223, 233
declarative versus non-declarative knowledge 213–14
dissociated memory 208, 303, 306 and emotions 213, 214–15
procedural versus declarative knowledge 206–9, 306–8
representations versus memorization in action 211–13
see also declarative memory;
depreciation from organizational memory;
forgetting of routines; long-term memory; non-declarative memory; organizational memory; procedural memory; transactive memory; working memory
Merton, Robert K. 240
meso-level routines 198, 199, 200, 201
meta-routines 118, 175, 179
metastability 117–18, 119
methodologies 12–13, 47, 68, 71–5, 76–7, 320
see also cross-sectional studies;
empirical field studies of organizational routines;
empirical research;
experimental research on organizational routines;
longitudinal studies;
organizational ethnographies
micro-level routines 195, 196, 199, 200, 201
military planning 37, 40–41, 45–6
Miller, P. 95, 99
mindfulness see calculation
mindlessness 233, 240, 245
see also automatisms
mistakes 194, 233
see also accidents
mixed methods of research 68, 71, 75
mood 245
Moorman, C. 218
Morgan, John 304
Morison, Elting E. 23, 156, 234
motivation 223, 248, 257, 263, 267–9, 270, 271
see also incentives; payoffs; rewards
motor-sensory automatisms 209
multiplication 133–4
Murray, F. 159, 164
narratives 288–9
Neal, D.T. 127, 128, 129, 130, 133
negative feedback 141–2
negotiation 241–2
Nelson, Richard R. 5, 10, 18–19, 21, 67–9, 71, 74, 75, 87, 93, 94, 95, 97, 100, 101, 109, 110, 118, 126, 136, 137, 139, 141–2, 144, 175, 217, 232, 240, 242, 245, 256, 258, 267, 273–4, 288, 304, 308
neoclassical economics 67, 68, 88, 98–9
networks 62–3, 163, 166, 241–2, 296
neuronal networks 240–41, 249
new entrants 126, 136, 137
new job creation 161, 165
new knowledge 218, 219, 222, 223, 243, 261, 262, 265–6, 269
new product development 159, 160, 161, 164, 165, 179, 218
new routines 40, 127, 134, 141–2, 157, 261
new technology 158, 159, 164, 220, 221
NK-model (Kauffman) 113–14
non-declarative memory 213, 214, 303
see also procedural memory
Nonaka, I. 243, 269
norms 7, 16, 41–7, 261, 263, 271
nuclear weapons, accidents with 39, 41
obsolete routines 23, 156
occupational groups 65, 73
see also jobs
off-diagonal comparisons 295
organizational routines
change (see change in organizational routines)
concept (see concept of organizational routines)
definitions (see definitions of organizational routines)
importance 15, 25
properties 133–4
recognition 237
as replicators 126–7, 138, 139, 140, 141
theory overview 229–36
organizational sociology and organizational routines
organizational routines, managerial work and macrosociology of capitalism 63–7
organizations as going concerns and loosely coupled systems 55–8
research routines 76–7
social conventions and mesosociology 62–3
social conventions and microsociology 58–62
towards an evolutionary economic sociology 67–75
organizational structure
and change in organizational routines 194, 195
and firm entry and exit 137
going concerns 70–71, 72
and organizational learning 273–4
and performance feedback theory 198–9
organizations 7, 55–8, 291
see also firms, as replicators; going concerns
ostensive aspect of routines
comparison of organizational routines 293, 294–5
in concept of organizational routines 153, 175, 176, 177, 178, 219, 236, 242, 286, 287, 288–9
and identification of organizational routines 291–2
and institutionalization 242
outcomes 19, 20, 159, 167, 169, 245
see also performance standard
Ozcelik, H. 171
Index 337

Paoli, M. 217, 256, 259
Park, Robert E. 56
Parker, C.F. 37–8
past performance 167, 188, 189, 190
path dependency 101, 114, 231, 237–9, 312
payoffs 315, 317–18
peer groups 188, 190–91
Peirce, Charles Sanders 6, 16
perceptual rigidity 37
performance feedback theory described 188–91
individual habits and group routines 191–3, 195, 198, 199–200
integrated model 198–9
intraorganizational routines 193–5, 198, 199
levels of organizational routines 195–8, 199, 200, 201
and pre-planned selection 159, 167
unanswered questions 199–200
performance gaps 157, 167
performance standard 116, 117, 217, 304–5
see also past performance;
performance feedback theory;
performance gaps
performative aspect of routines
comparison of organizational routines 293–4, 295
in concept of organizational routines 153–4, 175–6, 177, 178, 219, 286, 287–8
concurrency 296–7
described 236
empirical field studies 285
grammatical structure 235
identification of organizational routines 291
see also action; performance feedback theory
Perrow, C. 211
Perruchet, P. 210
persistence 20–21, 23, 24, 130, 133, 137, 138
Phillips, D.J. 163, 166
physical environment 22–3
Pisano, Gary P. 69, 118, 164
planning, military 37, 40–41, 45–6
plans 37, 38
point of view 287–8, 289, 295–6
Polanyi, Michael 17, 308
policy analysis 33–4, 283–4, 285
political science 31, 32–3
political science and organizational routines
analytical studies in international law 34–5, 42
bureaucratic politics 35–41
historical trajectory of studies 32–4
international norms and interorganizational transmission of rules 41–7
political stability 41
politics 179, 219
population ecology 142–3
population-level learning 162, 171–2
positive feedback 131–2, 142
Posner, Eric A. 42, 43
Postrel, Steven 129, 130
potentialities, in concept of organizational routines 20
power 47, 110, 116, 243, 247, 268
see also authority; control
pre-planning
retention 159–60, 170–71
selection 159–60, 167–8
variation 158–60, 164–5
see also teams
predictability 18, 20
Prencipe, A. 217, 256, 259
Price, George R. 125, 136, 137
pride 191, 240, 271
priming 23, 240–41, 249
principal-agent model 117, 263, 269, 271
prior paths 238, 239
see also repetition
prior performance see past performance
prior routines 173–4
prisoner’s dilemma 268
problem representation 116, 117
problem-solving
and automatisms 312–13
behavioural versus cognitive perspectives 305–6
and bounded rationality in decision making 38–9
and evolutionary theories 141
experimental research on organizational routines 305–6, 312–13
and governance structure in capability-based view of the firm 109–11
and intentions 130
in theories of organizational routines 230
towards a formal representation of a capability-based view of the firm 111–15, 116–17, 118
see also performance feedback theory
problemistic search and confirmation bias 309–10
defined 187, 309
and organizational routines 117–18
in performance feedback theory 188, 189, 196, 197, 200
and satisficing 130, 230
search effort 116
towards formal representation in capability-based view of the firm 111, 112, 114, 116
procedural authority 262, 271
procedural knowledge and cognitive automatisms 210–11
in content of organizational memory 218–19
context 211
versus declarative knowledge 206–9, 306–8, 311
in definitions of organizational routines 206, 208
institutional perspective on management accounting routines 94–5, 97–8
in ISO certification case study 221, 222, 223
and organizational memory 155
transfer failures 211
procedural memory concatenation 23, 244, 249
experimental research on organizational routines 306–8
and information transmission 22–3, 25–6
in organizational learning 161, 171, 172, 177
role 208
in theories of organizational routines 234
production memory 207
production rules 208
professional conduct 46
professional management 62, 65, 66, 71
professionals 65
professions 73
project teams 261, 265, 269, 270
propensities 16, 20
see also dispositions
prospect theory 196–8
psychology 16, 17, 128, 133, 302–6
see also cognitive dimension; memorization; organizational learning
public administration 32–3, 34
quality management 118
see also ISO certification; TQM (total quality management)
radical change in routines 195, 197
Ragin, Charles C. 293
rational authority 66, 78–9
rational choice 42–5, 59, 71
rationality 64, 65, 66, 67, 88, 107–8, 112
see also behavioural game theory and theory of routines; bounded rationality; formal rationality
rationalization 16, 230
ready-made solutions 132, 134, 256
Reagans, R. 161, 171
Reber, Arthur S. 17, 302, 303
reciprocal typification 241–2, 249
recognition 191, 237, 270, 271
recurrent collective activity 58, 69
redundant routines 23, 156
refinement 127, 134, 243
regret 317
Index

Reimer, T. 312, 313
reinforcement learning 130, 131, 133, 315, 316–17
repeated games 42, 314–18, 321
repetition
and cognitive automatisms 208, 212
and concept of organizational routines 4
in definitions of organizational routines 153, 232, 237, 256
habits 16, 128, 129, 130
and strength of reproduction mechanisms 240, 241, 245, 246, 249–50
replication 17, 21–5, 99–100, 126–7, 138–41, 142, 144
replicators 24–5, 126–7, 138, 139, 140, 141
report-writing empirical field study 283–4, 285
representations 116, 117, 211, 212, 213, 296
representative aspect of routines see ostensive aspect of routines
reproduction mechanisms
dimensions and typologies 248
examples
artifacts 243–4, 249
calculation 244–5, 248, 249
coercion 242, 247, 249
competency traps 245–6, 249
concatenation of procedural memory 244, 249
escalation of commitment 246–7, 249
formalization 243, 249
habitualization 239–40, 249
institutionalization 242, 249
leadership 247, 249
priming 240–41, 249
reciprocal typification 241–2, 249
value infusion 242–3
predictions 248–50
reputation 44, 263
research and development 178–80, 187
research routines 76–7
resistance to change 101–3, 197, 219, 222, 223, 224, 240, 243
resource-based view of the firm 69
resource dependence theory 60
retaliatory strategies 42, 43
retention
in evolutionary economic sociology 70
in evolutionary economics 70
and formalization 243
habits and organizational routines 134
organizational learning and organizational routines 157, 159–63, 170–72
emergent from external sources 162, 171–2
emergent from internal sources 161, 171
implications of prior research 174–5
pre-planned from external sources 160, 170–71
pre-planned from internal sources 159, 170
research frontiers 172, 173
retrieval 256, 308–9
rewards 116, 130–31, 191
see also incentives; payoffs
Reynaud, B. 177
Rhodes, E. 39
rigidity 37, 40–41, 193
risk 69, 189–90, 196–8, 201, 268–9
Rittberger, Volker 45, 47
Roberts, J. 92, 97
Robey, D. 288
Rocco, E. 161, 162, 165, 319–20
rote learning 311, 314–15
Roth, A.E. 314–15
‘routines as genes’ 5, 10, 18–19, 20, 21, 142, 143, 144, 145, 232
routinization 154, 155–6, 220–23
rules
in analytical studies in international law 34
and behavioural game theory 318
bureaucratic politics and organizational routines 39
and concept of organizational routines 4, 18, 19, 20, 21, 153
and formalization 243
institutional perspective on
management accounting
routines 90–95
in problem-solving experimental
studies 306
and replication of organizational
routines 24
in teams 265
see also codification; norms;
production rules; standard
operating procedures
Rumelt, Richard P. 129, 130
Rura-Polley, T. 154, 156, 161, 168–9,
294, 295
Sabherwal, R. 288
Sagan, Scott D. 39, 41
satisficing 130, 230
Scapens, Robert W. 88, 89, 90, 91, 92,
95, 97, 98, 99, 103
Schacter, Daniel L. 22, 244
Schank, R.C. 231, 240
Schelling, T.C. 268, 320
Schmidt, R.A. 209
Schneider, W. 206, 209
Schön, D. 269
Schulz, Martin 154, 159, 170, 243
Schumpeter, Joseph A. 58, 118
Schwab, A. 173
scripts 231–2, 233, 240, 241
search 187–8
see also performance feedback
theory; problemistic search
selection
and concept of organizational
routines 21
in definitions of organizational
routines 109, 256
in evolutionary economic sociology
70
in evolutionary economics 68, 70,
71, 142, 267
in evolutionary system philosophy
24–5
in evolutionary theories 125–6, 135,
136–42, 143–4
and habits 17, 134
by managers 273
organizational learning and
organizational routines 157,
159–63, 166–9
emergent from external sources
162–3, 169
emergent from internal sources
161, 168–9
implications of prior research
174–5
pre-planned from external sources
160, 167–8
pre-planned from internal sources
159, 167
research frontiers 172, 173
and path dependency 238–9
self-organized groups 264
self-tuning 316
self-validation 241
Selten, R. 316–17, 321
Selznick, P. 242–3
sensemaking 62, 71
sequential responses 21, 25, 139
Shannon, Vaughn P. 47
shared cognitive bundles 153
shared languages 258–9, 263, 264, 270,
271
shared meanings 258–9
shared understandings 176, 262–3
Shiffrin, R.C. 206, 209
Shuen, Amy 69, 118
Simon, Herbert A. 7, 32, 70, 78, 95,
111–12, 114, 115, 130, 188, 194,
206–7, 230, 256, 273
Sine, W.D. 160, 170
Singley, M.K. 306–7, 308, 309, 311
skills 17, 25, 232, 240
see also capabilities; capacities
slack search 187, 189
social change 61–2, 72, 235–6, 285
social cognition 231–2
social conventions 55, 56, 58–63, 71
social environment 22–3
social factors, and habits 16, 17
social movements, and emergent
selection 163, 169
social networks 62–3, 163, 166
social worlds/arenas 56, 61–2, 74, 77–8
socialization 45–6, 61
sociology 76–7
see also evolutionary economic
sociology; organizational
sociology and organizational routines; structural-functional sociology
sociotechnical systems 65–6, 73–4
’soft’ law 34–5
software support hot line empirical field study 281–3, 296
somatic markers 215
Sorenson, O. 167, 172
specialization, and transactive memory 217
Spellman, B.A. 303
Squire, L.R. 211, 213, 306
stability
and habits 127, 128, 130, 131
institutional perspective on management accounting routines 94
in organizational routines 133
organizational routines in capability-based view of the firm 117–18
and organizations as going concerns 55, 56
path dependency 237–9
reproduction mechanism (see reproduction mechanisms)
and social conventions 61, 62
see also cultural stability; metastability; political stability
Stahl, D.O. 317–18
Stalker, G.M. 73–4
standard operating procedures 35, 37–8, 39–40, 41–2, 153, 154–5, 156–7, 158, 230, 288
Staw, Barry M. 246
Stern, E.K. 37–8
Stern, I. 159, 160, 167–8, 172
stimulus-response theory 233–4
strategic change 196–8, 200, 201
strategic management approach 59
strategy 38, 39, 42–3, 107–8
Strauss, Anselm L. 56, 73
strength 129, 240, 241, 245, 246, 249–50, 310
structural-functional sociology 65, 68
sub-optimality 115, 231, 232, 246, 305, 311–12
sub-problems 114–15, 116, 117
sub-routines 58, 175, 176
sub-units 39
subset selection 125–6, 134, 136, 137, 138, 142, 144
subsets, of habits 127, 128, 129
substantive rationality 66
Suchman, L.A. 73, 288, 291, 294, 295, 296
Swaine, Edward T. 43–4
Swistak, P. 42, 43
Szulanski, G. 112, 138, 140, 155
tacit knowledge
and accounting rules and routines 90, 97–8
in concept of organizational routines 256
and evolutionary economics 67–8, 232
and formalization 243
and implicit learning 308
and long-term memory 306
and pre-planned retention 170
and procedural memory 22, 23, 234
in theories of organizational routines 234
tacit learning see implicit learning
taken-for-granted assumptions 93, 94, 100, 101, 102
Takeuchi, H. 243
task complexity 192
Tayloristic organization 110, 111, 257
team leaders 260
teams 258, 259–61, 265, 269, 270, 271
technocracies 66
technological change 118
technological complexity 211
technology 244
see also new technology;
technocracies; technological change; technological complexity; technology lock-in
technology lock-in 162, 169
Teece, David J. 69, 118
Tenski, R.V. 258
terrorist attacks 39
Thomas, William 16
Thompson, James C. 40–41
Thorndyke, E.L. 302, 311
thoughts 16, 17, 127, 128, 129, 130, 132
tightly-coupled systems 57, 58, 62, 78
time-dependence 61
time factors, in empirical field studies of organizational routines 282, 283, 284–5, 287, 293–4
see also persistence
tools 244
top management 156, 200
TQM (total quality management) 155, 179, 243
traditional authority 66, 78
transactive memory 161, 171, 217
trial-and-error learning 175, 176, 180, 266
see also experimentation
Tripsas, M. 159, 164
truces 94, 110, 118, 242, 288
trust 163, 217
Tulving, Endel 22, 244
Tushman, M.L. 175
uncertain task environment 132
uncertainty reduction 232
unconscious processes 16, 17, 303
see also automatisms; mechanical mindset
Ungson, G.R. 154
unlearning of routines 222, 223
see also forgetting of routines
urban ecology 56
validation of knowledge, in knowing communities 264
value infusion 242–3
Van de Ven, A.H. 158, 159, 167, 292, 296
Van Huyck, J. 317–18
variation
and capability-based view of the firm 118
empirical field studies of organizational routines 282–3, 285, 289, 291, 292, 293–4
in evolutionary economic sociology 70
in evolutionary economics 68, 70
in evolutionary theories 125, 135–6, 138, 140, 158
organizational learning and organizational routines 157, 158–66, 172–4
emergent from external sources 162–3, 166
emergent from internal sources 161–2, 165–6
implications of prior research 174–5
pre-planned from external sources 160, 164–5
pre-planned from internal sources 158–60, 164
research frontiers 172, 173–4
social conventions 60–61
Veblen, Thorstein B. 16, 20
Verburg, R.M. 261
veto power 116
vicarious learning 153, 319
visual automatisms 209
voluntary attention 212
Wagner, Wolfgang 45, 47
Waldo, Dwight 33
Walsh, J.P. 154
war planning 37, 40–41
Warglien, M. 161, 162, 165, 319, 320, 321
Weber, R.A. 319, 321
Weberian theories 6, 64–5, 66–7, 69, 72, 74, 78–9, 229–30, 290
Weeks, John R. 73
Weick, Karl E. 6, 56–7, 62, 71, 194, 322
Wenger, E.C. 262, 263, 264
White, Harrison C. 290
Wilson, Woodrow 32–3
Winograd, T. 206, 207
Winter, Sidney G. 5, 10, 18–19, 21, 57, 67–9, 71, 74, 75, 87, 93, 94, 95, 97, 100, 101, 109, 110, 112, 118, 126, 127, 136, 137, 138, 139, 140, 141–2, 143, 144, 155, 175, 187, 217, 232, 240, 242, 245, 256, 258, 267, 288, 304, 308
Witt, U. 265, 272
Wood, W. 127, 128, 129, 130, 133
Index

working memory 207, 208, 209
World War II artillery case study 23, 156, 234

Zelikow, Philip 35, 36
Znaniecki, Florian 16
Zollo, Maurizio 57, 69, 127