Aboriginal settlements
dated sites 266
Port Hacking (Australia)
evidence for Aboriginal sites 265–266
effect of sea level 266–267
submerged rock shelter sites
potential findings 276–277
methods of study 277–278
results 278–280
summary of future work 280–282
terrestrial rock shelter sites 273–276
setting 272
bathymetry 274
geology 273
geomorphology 273
map 273
Acanthophis sp. 257, 258
Acanthopleura spinosa 258
accelerator mass spectrometry (AMS) dating 11
Acheulean industry 131, 147, 148, 246, 266
Acqua Fitusa Cave 128, 134
Addaura Caprara Cave 128
Aegean region 171–172
Aegean Archipelago 155
Mesolithic sites 4
bathy-morphology 156, 158
defined 145, 146
geodynamics 149–151
geological setting 151, 152, 152, 153
geotectonic boundaries 150
hominin record 146–149
hydrogeology 153–154, 153
palaeogeography 155–158, 157
submerged landscape analysis 158
Central Aegean Island Bridge 164–166
Central Greece 162–164
Crete 169–170
East Aegean Islands 161–162
Ionian Margin 166–168
North Aegean Island Bridge 159–161
North Aegean Shelf 158–159
West Cretan Strait 168–169, 170–171
tectonic motion 154–155
aeolian facies
Mediterranean 184
Mossel Bay offshore study 228
Africa, human dispersal from 1, 148, 235,
245–246
Agia Marina (Cyprus) 188, 197–198, 199, 200
agriculture and farming 4, 44
Agulhas Bank 219, 220
Agulhas Current 219, 221
Ahrensburg Complex 14
Akali 35
Akanthou (Cyprus) 182, 182, 188, 195, 197,
198, 213
Aker moraine 18, 19, 20
Allerød oscillation 9
ice evidence 17
tree evidence 10
Alpine Orogenic Belt 151
amber, use of 37
America, North, coastal site survival studies 270–271
Americas, human expansion into 1
Anadara sp. 259
anatomically modern humans (AMH) see Homo sapiens
Ancylus Lake 27–28, 42, 43
Ancylus regression 28, 29, 42, 51
Ancylus transgression 27, 28, 51, 66
Antalya Basin 180
Antaresia sp. 258
Antechinolys laniger 258
Antrea Korpilahti 29, 30
Apostolos Andreas Monastery (Cyprus) 188, 195, 196
Arachnothera everetti 238, 239
Arun River Valley, offshore survey methods 271
Asaphis violascens 259
Asia, SE
biogeography 237, 238, 239–240
environmental change 241–242
great human expansion 235
barriers and bridges 242–245
routes 245–246
palaeovegetation modelling 240–241
Athalassa Formation 182
Aucilla Valley (Florida) site survival study 271
Aukra 12
Aurignacian industry 133, 134, 148
Australia
Aboriginal settlements 266
Port Hacking (Australia)
evidence for Aboriginal sites 265–266
effect of sea level 266–267
submerged rock shelter sites
potential findings 276–277
methods of study 277–278
results 278–280
summary of future work 280–282
terrestrial rock shelter sites 273–276
setting 272
bathymetry 274
geology 273
geomorphology 273
map 273
coastal impacts of cyclones 269
coastal islands colonization 6
human expansion into 1
north-west see Barrow Island Complex;
Dampier Archipelago; Montebello Island Complex
Australian Shelf 4
Australo-Melanesian people 236
avian assemblages, Sundaland 238
baler 257, 258
Baltic Ice Lake 27, 51, 66
Baltic Sea 4
development 27
underwater archaeology experience 267
Baltic Shield, effects of glaciation 3–4

Index

Page numbers in *italics* refer to Figures. Page numbers in **bold** refer to Tables.
INDEX

Barrow Island Complex 259
fossil shorelines 259
geomorphological setting 251–252
indigenous occupation evidence 255–256
last marine transgression 252, 254–255
map 253
modern environmental setting 255

Batu Caves (Malaysia) 242
bears, island colonization potential 129
Bettongia spp. 258
Betula, as climate evidence 9
Big Bends (Florida), site survival study 271
Billingen drainage 66
Billingen, Mount 27
biogeography, SE Asia 237, 238, 239–240
birch (Betula), as climate evidence 9
bird distribution, Sundaland 238
black flying fox 257, 258
Blomvåg, possible human campsite 9, 10
Bølling oscillation 9
Bohuslän, role in human expansion 9, 10, 19, 20
Bo’lo’shoe Zavetnoe 30
Bol’shoe Zavetnoe 30
Bolshaya Izhora village methods of study 53, 54, 55
results 54, 55, 60–62, 62
sea-level change 68, 69, 70, 72
bones, as sign of human settlement 9
Borneo links to mainland 235
orang-utan genetics 237, 238
sea level impact on human dispersal 242
termite genetics 237, 239
Borneo spiderhunter 238, 239
Borovskoe 30
bovids, island colonization potential 130
Bromme Culture 9
Bronze Age
Divna–Lovat’ 38–39
Karelian Isthmus 36, 38, 44–45
Brunei Bay 245
δ13C profiles 242
14C dating
moraines 18, 18
Sicily cave sites 128

Cabestana sp. 259
Calada dei Genovesi Cave 128
Calada Tramontana (Pantelleria Island) 99
pre-Neolithic site study
methods of data collection 99–101
results 102
artefact finds 101, 103–104, 107
submarine geomorphology 101
results discussed 104
flint reworking 107–108
palaeo-landscape 104–107
history of study 97
location 97
map 98
volcanic history 98–99
Calabrian Arc 115
Canada 270
Cape Fold Belt 220, 221, 228
Castello faunal complex 126
Catalan Isthmus 131
cattle grazing 36
Cavallo cave 134
Central Aegean Island Bridge 151–152, 164–166
Central Greece Extension Zone 151
ceramics, Karelian Isthmus 32, 34, 35, 36, 41, 44
cereal cultivation 36
Ceratonia 36
Certihida redivi 259
cervids, island colonization potential 129
Chalcolithic Age, Pantelleria obsidian 104
charcoal preservation 11
Charybdis 112, 113
chiton 257, 258
Chlorusus sp. 258
Choreonon sp. 258
Chumash people 270
Cicilia–Adana Basin 180
Cinque Denti volcano 99
Cirrepedia 258
climate, major fluctuations of 2
Clovis people 271
costal pathways, AMH dispersal 2
costal quarries 212
as sea level indicators 185
Columbine primates 238
Combed Ware 34, 35, 36, 41, 44, 56, 57
Cootamundra Shoals project 268
Corded Ware 36, 38, 41, 43, 44
Corral Beach (California) 270
Crete 169–170
role of hominin record 148
Crocodilus porosus 257, 258
crustaceans, NW Australia, Late
Pleistocene–Holocene 258
cyclones, impact on coastal archaeological
sites 268–269
Cyprus 179–180
archaeological sites 182–183
beach of Late Pleistocene 181–182
geology and geomorphology 180–181
map 180
Pre-Pottery Neolithic 5–6
prehistoric coastline construction
methods 187, 194–195
mollusc data 191, 192, 193, 194
sites studied 188, 189, 190
result discussed, problems with dating 207–208
results
Agia Marina 188, 197–198, 199, 200
Akanthou 188, 195, 197, 198
Apostolos Andreas Monastery 188, 195, 196
Cape Greco 190, 202–203, 205
Davlos 188, 195
Famagusta Bay 190, 203–204, 206, 207
Flamoudhi 187, 188, 195
Kyrenia Memorial 189, 198, 201
Kyrenia West 189, 198–199, 202
Lapithos 189, 199
Larnaca Lake 189, 200–202, 204
Lemba South 189, 200, 204
Lemba–Mylouthkia 189, 199–200, 203
Yialousa 188, 195, 196

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3705831/backmatter.pdf by guest on 30 September 2019
estuarine crocodile 257, 258

eustatic fluctuations 2

Famagusta Bay (Cyprus) 190, 203–204, 206, 207

farming and agriculture 4, 44

faunal complexes, Sicily 126

faunal record, NW Australia, Late Pleistocene–Holocene 256–257, 258, 259

felids, island colonization potential 129

Fennoscandian Shield

effects of glaciation 3–4

isostatic uplift 28

Finland, role in Early Mesolithic immigration 15

Finland, Gulf of 4, 51, 52

coastal history 51, 53

early settlement 42, 44

methods of study

\(^{14}C\) dating of samples 54, 54, 55

drilling 53

geoarchaeology 54–55

gеophysical mapping 53

sediment analysis 54

results

Bolshaya Izhora village 60–62

dеophysical 64, 65

Okhta Cape 56, 63

Sestroretska Razliv 55, 57, 58, 59–60

results discussed 63, 65–66

Ancylus regression 66

Littorina fluctuation 67, 69, 71

Littorina transgression 67

Post-Littorina sea level 71–73

Pre-Ancylus regression 66

Pre-Littorina regression 66–67

submarine terraces 63, 65–66

fish assemblages, Late Pleistocene–Holocene, NW Australia 256–257, 258, 259

fish tanks and ponds 183, 185–186, 211, 211–212

fishing and AMH 2

Flamoudhi (Cyprus) 188, 195, 197

flint arrows 37

flint artefacts

Cyprus 183

Kokkinopilos 147

Pantelleria 97

flint pebbles, signs of human settlement 9

flint tools 37

Pantelleria Island 103–104, 103, 107–108

Fløyrlivatn 12

flora see plants

Florence Rise 180

Florida Big Bends, site survival study 271

Foerstner volcano 99

Fosna Complex 9, 14, 21

Fosna–Komsa Culture (Complex) 11, 17

Funnel beaker 38

Galta (Norway), settlement evidence 10, 11, 13–14

Ganzirri Bank 117, 118

geomorphology, subsea

Mossel Bay study 223–224

depressions 226–227

incised valleys 225–226, 227

ridges 225, 227

INDEX 289

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3705831/backmatter.pdf by guest on 30 September 2019
INDEX

Dvina Lovat’ 41–42
Karelian Isthmus 39, 41, 45
island colonization 127, 129
Island Equilibrium Theory 125

Isodon auratus 258
isostatic fluctuations 2
Fennoscandia 28, 36
Strait of Messina 120
Italy
link with Sicily 112–113
Palaeolithic colonization 133

Jasper, Lake (Australia) 268, 269
Java
links to mainland 235
palaeoenvironment 241
sea level impact on human dispersal 242
Javan mongoose 238, 239
jetties, Neolithic 212

Kafkalla 181
Kalimantan, palaeoenvironment 241
Kanneljarvi 30
Karelian Isthmus 27, 28, 29
archaeological sites 30
Bronze Age 36, 38
early Holocene setting 28–29, 42
Iron Age 39, 41
Late Mesolithic–Early Neolithic 30, 31, 32
Late Neolithic 35–36, 37
Middle Neolithic 34–35
Okhta Cape 30, 32, 34, 35, 35, 36, 37, 39, 45, 72
methods of study 53, 54, 55
results 56, 63
Sestroretsky Razliv
methods of study 53, 54, 55
results 55, 57, 58–60, 59, 59
Kelka 36
Kephallinia Transform Fault 150, 150
knapping evidence 9
Kokkinopilos 147
Kola Peninsula, immigration route 15
Komsa Complex 17, 21
Komsomoľ’skoe 30, 30, 34
Kotledalen 12
Kullamyagi 35
Kunda Mesolithic culture 30
Kurkikieki 30, 34
Kyrenia Formation 182
Kyrenia Memorial (Cyprus) 189, 198, 201
Kyrenia Range 180, 181
Kyrenia West (Cyprus) 189, 198–199, 202
Kyrenia–Misis Ridge 180
Kythrea Formation 182
La Vecchia volcano 98
Ladoga Lake 27, 28, 29, 32, 34, 35, 41, 45
Lagoda transgression 28, 35, 36, 39, 43, 45
Lagorchestes spp. 257, 258
Lambousa (Cyprus) fish ponds 212
land bridges
importance of 2
Strait of Messina land bridge study
methods 120–121

geomorphology, subsea (Continued)
sea cliffs 224–225, 226
shelf banks/shoals 225, 226
terraces 224
gap
geophysical surveys
methods 221
Wessex Archaeology Ltd 271–272
Giovanna Cave 128

Glacial–interglacial cycles 2
Glacio–isostatic uplift 2
Messina, Strait of 120
Globular amphorae 38
Gozo 79
great human expansion 235, 246
Greco, Cape (Cyprus) 190, 202–203, 205
Greece
Central geographic unit 162–164
Palaeolithic finds 147
tectonic setting 155
Upper Pleistocene sites 149

harbours, as sea level indicators 186
Haurerset moraine 18, 20
Havara deposits 181
Haynes Cave, Late Pleistocene–Holocene fauna 257, 258, 259
hearth, evidence of 11
Heinijoki Strait 27, 36, 66
Heinrich Event (1) 240
Hellenic Arc 150, 150, 150, 151, 155, 156
Hellenic Trench 150, 150
Hensbacka (Fosna) phase 20, 21
Herpestes javanicus 238, 239
hips.
hippopotamus, island colonization potential 129
hominins
classification 146–147
colonization of Sicily 131–135
Homo erectus 235
Homo ergaster/erectus, expansion of 1
Homo florestensis 235
Homo heidelbergensis 131, 147
Homo neanderthalensis 131, 132, 134, 148
Homo sapiens (AMH)
colonization of Sicily 112–113, 131–135, 137
dispersal from Africa 1, 2, 148, 235, 245–246
overlap with H. neanderthalensis 148–149
SE Asia 235–236
horse, island colonization potential 130–131, 130
Huxley’s Line 237
hyaena, island colonization potential 129
hydrographic surveys, methods 221
Hydromys chrysogaster 258
incised valleys, Mossel Bay offshore study 225–226, 227, 228
Incisioni Cave 128
Internal Metamorphic Belt 151
inundated sites, techniques for study 268–269
Ionian Margin 166–168
Iron Age
Kafkalla 181
Kalimantan, palaeoenvironment 241
Kanneljarvi 30
Karelian Isthmus 27, 28, 29
archaeological sites 30
Bronze Age 36, 38
early Holocene setting 28–29, 42
Iron Age 39, 41
Late Mesolithic–Early Neolithic 30, 31, 32
Late Neolithic 35–36, 37
Middle Neolithic 34–35
Okhta Cape 30, 32, 34, 35, 35, 36, 37, 39, 45, 72
methods of study 53, 54, 55
results 56, 63
Sestroretsky Razliv
methods of study 53, 54, 55
results 55, 57, 58–60, 59, 59
Kelka 36
Kephallinia Transform Fault 150, 150
knapping evidence 9
Kokkinopilos 147
Kola Peninsula, immigration route 15
Komsa Complex 17, 21
Komsomoľ’skoe 30, 30, 34
Kotledalen 12
Kullamyagi 35
Kunda Mesolithic culture 30
Kurkikieki 30, 34
Kyrenia Formation 182
Kyrenia Memorial (Cyprus) 189, 198, 201
Kyrenia Range 180, 181
Kyrenia West (Cyprus) 189, 198–199, 202
Kyrenia–Misis Ridge 180
Kythrea Formation 182
La Vecchia volcano 98
Ladoga Lake 27, 28, 29, 32, 34, 35, 41, 45
Lagoda transgression 28, 35, 36, 39, 43, 45
Lagorchestes spp. 257, 258
Lambousa (Cyprus) fish ponds 212
land bridges
importance of 2
Strait of Messina land bridge study
methods 120–121

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3705831/backmatter.pdf by guest on 30 September 2019
Late Pleistocene–Holocene, NW Australia 256–257, 258, 259
Sicily in Late Pleistocene 125–127
Sundaland 238
Mamonia ophiolite 181
marine regression 36
Gulf of Finland 27, 28, 66–67
impact of 1, 2
marine transgression 36
Gulf of Finland 27, 28, 67
impact on coastal sites 270
impact of 1, 2
marine wave notches 184, 209, 210, 211
Matheson Inlet 270–271
Median Metamorphic Belt 151
Mediterranean Sea
effects of tectonics 4
see also Aegean region; Cyprus; Maltese archipelago; Messina, Strait of; Pantelleria Island

*Melo* sp. 259
Mesaoria Plain 181
Mesolithic
Dvina–Lovat' early 29–30, 42
late 32, 34
Karelian Isthmus sites early 29–30
late 30, 31, 32
landscape of palaeo-Arun Valley 272
seafaring 4
Messina, Strait of 5, 112, 112
bathymetry and geomorphology 115, 117, 118, 119
faulting 119–120
gеological setting 115, 116
land bridge study methods 120–121
results 121 erosion rates 124–125, 125
hominin evidence 131–135
mammal evidence 125–131
sea floor images 121, 122, 123, 124
tidal velocities 124, 124
results discussed 135–137
Lapithos (Cyprus) 189, 199
Larnaca Lake (Cyprus) 189, 200–202, 204
Last Glacial Maximum (LGM) 235
Malta
landscape 92
shoreline 80
submergence history 90
NW Australia Shelf setting 252, 254–255
sea level 97
Sundaland environment 237, 241
Sundaland vegetation modelling 240–241
Last Glacial Period
great human expansion 235
Sundaland environment 237, 241
Latakia Basin 180
Latakia Ridge 180
Late Glacial period extent of Doggerland 15–16
Norway
faunal abundance 10
human occupation 9, 21
Leeuwin Current 255
*Leggadina* sp. 258
Lemba South (Cyprus) 189, 200, 204
Lemba–Mylouthkia (Cyprus) 189, 199–200, 203
*Lentigo latus* 182
*Liasis* sp. 257, 258
Linear Band ceramics 35, 44
lions, island colonization potential 129
Lisvori 147
Littorina regression 57
Littorina Sea 28, 43, 44, 51, 67
Littorina transgression 28, 32, 34, 42, 51, 55, 67
lowstands of sea level 2
Lydekker’s Line 237

*Macropus robustus* 257, 258
*Macrotis lagotis* 258
Madai Cave (Sabah) 244
Maghlaq Fault 79
Maglemose 14
*Malacocincla malaccensis* 238
Malta Graben 79
Maltese archipelago 5
gеology 79–80
importance of 77
map 78
offshore mapping methods 80, 81
results 80, 82, 83, 84, 86
northeastern sector 83, 85, 87, 89
southeastern sector 87–88, 90
western sector 83, 87, 88
submergence history 90, 91
implications for prehistory 91–93
mammal assemblages

*Sicily in Late Pleistocene* 125–127
Sundaland 238
Mamonia ophiolite 181
marine regression 36
Gulf of Finland 27, 28, 66–67
impact of 1, 2
marine transgression 36
Gulf of Finland 27, 28, 67
impact on coastal sites 270
impact of 1, 2
marine wave notches 184, 209, 210, 211
Matheson Inlet 270–271
Median Metamorphic Belt 151
Mediterranean Sea
effects of tectonics 4
see also Aegean region; Cyprus; Maltese archipelago; Messina, Strait of; Pantelleria Island

*Melo* sp. 259
Mesaoria Plain 181
Mesolithic
Dvina–Lovat’ early 29–30, 42
late 32, 34
Karelian Isthmus sites early 29–30
late 30, 31, 32
landscape of palaeo-Arun Valley 272
seafaring 4
Messina, Strait of 5, 112, 112
bathymetry and geomorphology 115, 117, 118, 119
faulting 119–120
gеological setting 115, 116
land bridge study methods 120–121
results 121 erosion rates 124–125, 125
hominin evidence 131–135
mammal evidence 125–131
sea floor images 121, 122, 123, 124
tidal velocities 124, 124
results discussed 135–137
oceanographic conditions 119
sea-level change 114, 115
seafloor tectonics 120
sedimentary stratigraphy 119
Metal Age see Bronze Age also Iron Age
midden site (North Arm, Sydney Harbour) 269
Middle Cove, (Sydney Harbour) 269
Milankovitch cycles 2
molluscs, species as coastal indicators 191, 192, 193, 194
Montague Harbour (British Columbia) 270
Montebello Island Complex
geomorphological setting 251–252
indigenous occupation evidence 255–256
last marine transgression 252, 254–255
Late Pleistocene–Holocene fauna 256–257, 258, 259
map 253
modern environmental setting 255
moraines and 14C dates 16
Mossel Bay (South Africa) 220
climate 221
gеological setting 220–221
submerged landscape survey methods 221–222
results acoustic facies 222–223, 224, 225
bathymetry 223
gеomorphologic features 223–224, 229
banks/shoals 225, 226
depressions 226–227
ridges 225, 227
sea cliffs 224–225, 226
sediments 227–228
terraces 224
valleys 225–226, 227
morphology 222
results discussed classification 228
future research 230
human occupation 230
morphology 228–230
tides 221
Mousterian industry 131, 133
Movius Line 246
mud whelks 257, 258
murine rodents 238
Mylouthkia (Cyprus) 182, 183, 213
Myrватн 12
nail-tail wallaby 257, 258
Narva pottery 42, 43, 44
Natica lacteal 182
Neofelis diardi 238, 239
Neolithic
agriculture 4
artefacts 5
ceramics 33
Dvinga–Lovat'
late 36, 39, 40
middle 35
fishing 213
jetties 212
Karelian Isthumus
late 35–36, 37
middle 34–35
Pantelleria 104
Pre-Pottery 182
pachyderms see Elephas
Palaeokastro 147
Palaeolithic, Lower
colonization of Sicily 131, 132
palaeo-Arun Valley 272
record in Greece 147
Palaeolithic, Middle, colonization of Sicily
131–132, 132, 133, 134
Palaeolithic, Upper
colonization of SE Asia 237
colonization of Sicily 132, 133, 134–135
Palaeoloxodon see Elephas
Palawan
links to mainland 235
palaeoenvironment 242
Pantelleria Island 5
Calà Tramontana study 99
methods of data collection 99–101
results 102
artefact finds 101, 103–104, 103
submarine geomorphology 101
results discussed 104
flint reworking 107–108
palaeo-landscape 104–107
history of study 97
location 97
map 98
volcanic history 98–99
Pantelleria Rift 79
Paphia sp. 259
parabolic dunes, Mossel Bay offshore study 228
Perameles bougainvillei 257, 258
Perciata Cave 128
Persististrombus latus 182, 200, 201, 202
Petralona Cave 147
Petrogale sp. 258
pile dwellings
Dvina–Lovat’ 36, 38
Karelian Isthmus 36, 38, 44
pine charcoal 11
Pinnacle Point 220
human occupation 230
Pinus charcoal 11
Pit Ware 44
plant genetics
Sundaland 239
Sundaland palaeovegetation modelling 240–241
points, as sign of human settlement 9
Polinices lacteus 182
Pongo see orang-utans
Port Hacking (Australia)
evidence for potential Aboriginal sites 265–266
effect of sea level 266–267
submerged rock shelter sites
potential findings 276–277
methods of study 277–278
results 278–280
summary of future work 280–282
terrestrial rock shelter sites 273–276
setting 272
bathymetry 274
geology 273
geomorphology 273
map 273
pottery
Dvina–Lovat’ 32, 33, 35, 39, 42, 43
Karelian Isthmus 36, 43
Okhta 56
Roman 197, 207
Sosnovaya Gora 56
Pre-Pottery Neolithic 5–6
Cyprus 182
Preboreal period, colonization of Norway 20–21
Protochne 30
Pseudantechinus sp 258
pseudomice 257, 258
Pseudomys spp. 257, 258
Pteropus alecto 257, 258
Punic amphorae 101
quarries, coastal 185, 212
Ra moraine 18, 19, 20
rainforest, Sundaland 236–237, 240–241
Rattus tunneyi 258
Razliv 59
regression see marine regression
Reinsvastnet 12
reptile assemblages, Late Pleistocene–Holocene, NW Australia 256–257, 258, 259
Rhinoclavis vertagus 259
ridges, Mossel Bay offshore study 225, 227, 228
Riparo del Castello 128, 134
Ristina Kitoulansou 36
rock shelters (NSW, Australia) 269
submerged
potential findings 276–277
methods of study 277–278
results 278–280
summary of future work 280–282
terrestrial 273–276
rock wallaby 257, 258
Rodafnidia 147
Rudnya culture 43, 43
Russia (NW) settlement overview 42–45
see also Dvina–Lovat’; Finland (Gulf of); Karelian Isthmus
Saccostrea sp. 259
Sahul 236, 237
Saimaa, Lake 28, 34
Salamis (Cyprus) 210–211
Salpusselkä end-moraine ridge 28
Saltstraumen 12
San Teodoro Cave–Pianetti faunal complex 126, 126, 127, 127, 128, 137
Sardinia, Palaeolithic colonization 133
savannah, Sundaland 236–237, 241
Scandinavia
9.1cal ka BC 11
10.6cal ka BC (Allerød-Younger Dryas) 10
immigration tracing 16–17
Scarus sp. 258
Scarelus sp. 238
Schiauccitat Cave 128
Scylla and Charybdis 112, 113
Scylla serrata 258
sea cliffs, Mossel Bay offshore study 224–225, 226
sea turtles 257, 258
sea-level change
effect on archaeological record 2
Finland, Gulf of 63–73
global curve 183
impact of 1, 266
NW Australia Shelf 254–255, 254
Pantelleria, volcano-tectonic 106–107
Quaternary patterns 2, 3, 183, 183
South Africa, last glacial termination
transgression 228
Strait of Messina 114, 115, 120, 135, 136
Sundaland 242–245
seafaring and AMH 2, 4, 132
Serteya culture 42, 43
Serteya lakes 31, 32
Sestroretsky Razliv (Karelian Isthmus)
methods of study 53, 54, 55
results 55, 57, 58, 59–60, 59, 59, 60
shale adz 37
shale arrows 37
shelf banks, Mossel Bay offshore study 225
shellfish
early gathering and AMH 2
Late Pleistocene–Holocene, NW Australia 257, 258, 259
shoals, Mossel Bay offshore study 225, 226
shoreline displacement curve 11, 15
shoreline regression curve 11
short-tailed babbler 238
Sicily
hominin colonization 112–113
research methods 113
results
Sicily (Continued)
Lower Palaeolithic 131, 132
Middle Palaeolithic 131–132, 132, 133, 134
Upper Palaeolithic 132, 134–135
results discussed 135–137
Late Pleistocene faunal diversity 125–127
link to Italy 112–113
mammal dispersal 127, 128, 129–131
side-scan sonar
Mosso Bay survey
methods 221
results 222–223
Silino 30, 30
Simavik 12
Sinai Peninsula, land route 4
Singapore, sea level curve
243
sinkers 37
Skagerrak Sea 10, 16
Ski moraine 18, 19, 20
Slettnes 12
small Indian civet 238, 239
*Smithopsis youngsoni* 258
Sosnovaya Gora 56, 57, 59, 60
South Africa see Mossel Bay
South African shelf 4
South West Arm see Port Hacking
Sparidae 258
spectacled hare wallaby 257, 258
Sperrings culture 32, 32, 43
Stavneset i 12
Stone Age 43
stone artefacts 5
Lake Jasper (Australia) 269
*Stribus bubonius* 182, 200
*S. coronatus* 182
Sumatra
links to mainland 235
orang-utan genetics 237, 238
palaeoenvironment 241
sea level impact on human dispersal 242
termite genetics 237, 239
Sunda Shelf
exposure of 235
Sundaland 6, 235, 236, 236
biogeography 237, 238, 239–240
colonization of 237
early human dispersal routes 245–246
modelling of palaeovegetation 240–241
sea level impact on human dispersal 242–245
Sundaland clouded leopard 238, 239
Suomusalmi Kalmosjarka 36
tailorbirds 238, 239
Tarkhovskaya 59
tectonic motion and uplift 4
Aegean region 154–155
Cyprus 208–213
Messina, Strait of 120
Tethys 2
Fennoscandia 28, 36
Straits of Messina 120
tectonic 4
Aegean region 154–155
Cyprus 208–213
Messina, Strait of 120
USA
coastal site survival studies 270–271, 271
Uskela Ka 35
Ust’ Ribezhna 35, 36
Usyaty tradition 36
Uzmen culture 36, 41, 43, 45
Vega 12
vegetation, modelling for
Sundaland 240–241
vertebrate assemblages, Sicily in Late
Pleistocene 125–127
Veshchevo 30, 30
Ust’ Ribezhna 35, 36
Viverricula indica 238, 239
Voiknavolok 35
Volkhov culture 36
Wajak man 246
Wallace’s Line 237
wave notches see marine wave notches
wells, sea level indicators 185, 212–213
Wessex Archaeology Ltd 267, 271–272
West Cretan Strait 168–169
western barred bandicoot 257, 258
wolves, island colonization potential 129
wooden piles see pile dwellings
Würm glacial maximum 28
Yialousa (Cyprus) 188, 195, 196
Yoldia Sea 27
Younger Dryas 66
Clovis people 271
sea level evidence 16
Zhizhitsy culture 36
*Zyzomys argurus* 258

Thailand, Gulf of 235
tidal velocities, modelling in Strait of
Messina 121, 124, 124
*Tilapia* sp. 258
Tingkayu, Lake 244, 246
Tokarevo 30
toolmaking 5
industries of SE Asia 246
tools
Neolithic 37, 40
Pre-Neolithic of Pantelleria 103
transgression see marine transgression
*Trichosurus* sp. 257, 258
Troodos ophiolite 181
Troull (Cyprus) Neolithic jetty 212
*Turbo cineram* 259

Ucicke Cave 128
Uluzzian industry 134, 148
uplift
isostatic 2
Fennoscandia 28, 36
Strait of Messina 120
tectonic 4
Aegean region 154–155
Cyprus 208–213
Messina, Strait of 120

INDEX

**Aegean region** 154–155

**Cyprus** 208–213

**Messina** 120

**Sperrings culture** 32, 32, 42, 43, 44

**Stavneset i** 12

**Stone Age** 43

**Sparidae** 258

**Spectacled hare wallaby** 257, 258

**Sperrings culture** 32, 32, 42, 43, 44

**Stavneset i** 12

**Stone Age** 43

**Sumatra**

**links to mainland** 235

**orang-utan genetics** 237, 238

**palaeoenvironment** 241

**sea level impact on human dispersal** 242

**termite genetics** 237, 239

**Sunda Shelf**

**exposure of** 235

**Sundaland** 6, 235, 236, 236

**biogeography** 237, 238, 239–240

**colonization of** 237

**early human dispersal routes** 245–246

**modelling of palaeovegetation** 240–241

**sea level impact on human dispersal** 242–245

**Sundaland clouded leopard** 238, 239

**Suomusalmi Kalmosjarka** 36

**tailorbirds** 238, 239

**Tarkhovskaya** 59

**tectonic motion and uplift** 4

**Aegean region** 154–155

**Cyprus** 208–213

**Messina, Strait of** 120

**Telescopium telescopium** 258

**Terebralia spp.** 257, 258

**termites, biogeography** 237, 238, 239

terraces, Mossel Bay offshore study 224

**Textile pottery** 43

230Th/234U dating 127