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

geonomy 273

gemorphology 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

geneology 149–151

geological setting 151, 152, 152, 153

geneotectonic boundaries 150

hominin record 146–149

hydrogeology 153–154, 153

paleoecology 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

Aguilhas Bank 219, 220

Aguilhas Current 219, 221

Arensburg 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

Ancylius Lake 27–28, 42, 43

Ancylius regression 28, 29, 42, 51

Ancylius transgression 28, 25, 51, 66

Antalya Basin 180

Antaresia sp. 258

Antechinolys laniger 258

Antrea Korpilahti 29, 30

Apostolos Andreas Monastery (Cyprus) 188, 195, 196

Arachnothura 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

paleovegetation 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

geonomy 273

gemorphology 273

map 273

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

Ancylius Lake 27–28, 42, 43

Ancylius regression 28, 29, 42, 51

Ancylius transgression 28, 25, 51, 66

Antalya Basin 180

Antaresia sp. 258

Antechinolys laniger 258

Antrea Korpilahti 29, 30

Apostolos Andreas Monastery (Cyprus) 188, 195, 196

Arachnothura 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

paleovegetation 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

geonomy 273

gemorphology 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

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3705831/backmatter.pdf by guest
Barrow Island Complex
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
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
Bronze Age
Dvina–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
Calda dei Genovesi Cave 128
Cala 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
Catanzaro 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, 35, 36, 41, 44
gravel 36
Cerealia 36
Cerithidia redii 259
Cervidae, 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
Cilicia–Adana Basin 180
Cinque Denti volcano 99
Cinque Denti volcano 99
Cirripedia 258
cyclones, impact on coastal archaeological sites 268–269
Columbine primates 238
Combed Ware 34, 35, 35, 43, 44, 56, 57
Crocodilus porosus 257, 258
crustaceans, NW Australia, Late Pleistocene–Holocene 258
cruces, 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
results discussed
case studies
Akanthou 213
Mylouthkia 213
Salamis 210–211
evidence from beachrock 209–210
erosion v. bioconstruction 209
freshwater springs 212–213
index fossils for dating 208
limitations on dating methods 207–208
problems with vertical motion 208, 211–212
tectonic/isostatic interactions 208–209
transgression-regression interactions 208
Quaternary sea level 183–184
archaeological markers 184–187
beach and marine deposits 184
bioconstructional and erosional markers 184
Cyprus Trench 180
Dampier Archipelago
fossil shorelines 259–260
geomorphological setting 251–252
indigenous occupation evidence 255–256
map 253
modern environmental setting 255
Dasycercus sp. 258
Dasyurus spp. 257, 258
Davlos (Cyprus) 188, 195
death adder 257, 258
Deep Skull 246
deglaciation stages
Norwegian moraine evidence 16, 17–20, 18, 21
relation to sea levels 19
Demansia sp. 258
Denisovan genetic material 236, 245–246
DNA, role in immigration tracing 16–17
Dnepr–Dvina culture 41–42
Doggerland 4
role in human expansion 9, 10, 15, 16
driftwood, evidence 11
dunes, Mossel Bay offshore study 228
Dvina–Lоват’ 29
Bronze Age 38–39
eye early Holocene setting 29–30
eye early Mesolithic 42
Iron Age 41–42
Late Mesolithic–Early Neolithic 32, 33, 34
Late Neolithic 36, 39, 44
Middle Neolithic 35
Early Mesolithic, Norway 14, 15
East Aegaean Islands 161–162
East Cretan Strait 170–171
Echinodermata 258
Egermia sp. 258
elephants, island colonization potential 129
Elephas falconeri faunal complex 126
Elephas mnaidriensis faunal complex 126, 131
Emiliana cave 132
Epigravettian industry 133, 134
equids, island colonization potential 130–131, 130
Eratosthenes Seamount 180, 181
erosion, Strait of Messina 124–125, 125
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
eye early settlement 42, 44
methods of study
14C dating of samples 54, 55, 56
drilling 53
goeartharchaeology 54–55
gphysical mapping 53
ediment analysis 54
results
Bolshaya Izhora village 60–62
geophysical 64, 65
Okhta Cape 56, 63
Sestroretsky Razliv 55, 57, 58, 59–60
results discussed 63, 65–66
Ancyclus regression 66
Littorina fluctuation 67, 69, 71
Littorina transgression 67
Post-Littorina sea level 71–73
Pre-Ancyclus 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
geomorphology, subsea (Continued)
  sea cliffs 224–225, 226
  shelf banks/shoals 225, 226
  terraces 224
geophysical surveys
  methods 221
  Wessex Archaeology Ltd 271–272
Giovanna Cave 128
  glacial-interglacial cycles 2
  glaciation–isostatic uplift 2
  Messina, Strait of 120
  Globular amphorae 38
  Gozo 79
  grab sampling 271–272
  Gravettian industry 133
  Great Fault 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
  Hauerseter 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, 152
  Hensbacka (Fosna) phase 20, 21
  Herpestes javanicus 238, 239
  highstands of sea level 2
  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
  Dvina Lovat’ 41–42
  Karelian Isthmus 39, 41, 45
  island colonization 127, 129
  Island Equilibrium Theory 125
  Isoodon 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, 59–60, 59, 59, 60
  Kelka 36
  Kephallinia Transform Fault 150, 150
  knapping evidence 9
  Kokkinopilos 147
  Kola Peninsula, immigration route 15
  Komsa Complex 17, 21
  Komsomol’skoe 30, 30, 34
  Kotedalen 12
  Kullamyagi 35
  Kunda Mesolithic culture 30
  Kurkileki 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
  INDEX
results 121
erosion rates 124–125, 125
hominin evidence 131–135
mammal evidence 125–131
seafloor 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
Liass 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
Maghaq Fault 79
Maglemose 14
Malacocincla malaccensis 238
Malta Graben 79
Maltese archipelago 5
geology 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
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
Mesaoaria Plain 181
Mesolithic
Dvina–Lovat’ early 29–30, 42
late 32, 34
Karelian Isthmus sites 30
everly 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
seafloor 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
gemorphological 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
INDEX

northern brushtail possum 257, 258
northern quoll 257, 258
Norway
  Early Mesolithic immigration routes 15
  first human occupation, 9, 10, 11
  Preboreal colonization, 20–21
Norwegian Trench, 10–11, 15
Notomys spp. 258

obsidian 213
  significance on Pantelleria, 104, 105
  sources of, 97–98
  toolmaking, 5

Ohotoma, 36
Okhta Cape (Karelian Isthmus), 30, 32, 34, 35, 36, 37, 39, 45, 72
  methods of study, 53, 54, 55
  results, 56, 63
Oldowan industry, 131, 147, 246
olive python, 257, 258
Onnsbukta, 12
Onychogalea unguifera, 257, 258

orang-utans, SE Asia biogeography, 237, 238, 239
  orbital cyclicity, effect on climate, 2
Oriente Cave, 128, 134
Orthotomus, 238, 239
Oslo Fjord, role in Early Mesolithic immigration, 15, 17–20
Ozernoe, 30, 32, 32

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
  Cala 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
Periota Cave, 128
Persististrombus latus, 182, 200, 201, 202

Tides, 221

northern brushtail possum, 257, 258
northern quoll, 257, 258
Mossel Bay (South Africa), 220
climate, 221
geological setting, 220–221
submerged landscape survey
  methods, 221–222
  results
  acoustic facies, 222–223, 224, 225
  bathymetry, 223
  geomorphic 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
murine rodents, 238
Mylouthkia (Cyprus), 182, 183, 213
Myrvatn, 12

nail-tail wallaby, 257, 258

Narva pottery, 42, 43, 43, 44

Natica lacteal, 182
Neofelis diardi, 238, 239
Neolithic
  agriculture, 4
  artefacts, 5
  ceramics, 33
  Diva–Lovat'
    late, 36, 39, 40
    middle, 35
  fishing, 213
  jetties, 212
  Kareljan Isthmus
    late, 35–36, 37
    middle, 34–35
  Pantelleria, 104
  Pre-Pottery, 182
  neotenic net winged beetles, 238
  Nerita spp., 259
  Net ceramics, 36, 45
  New Guinea, human expansion into, 1
  Niah Great Cave (Sarawak), 242, 244, 246
  Niscemi Cave, 128
  notch, (Sydney Harbour), 269
  Northern Aegean Island Bridge, 159–161
  Northern Aegean Shelf, 158–159
  North Aegean Trough, 150
  North America, coastal site survival
    studies, 270–271, 271
  North Anatolian Fault, 150, 151, 152
  North Arm, (Sydney Harbour), 269
INDEX

293

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

Pinnacle Point 220

human occupation 230

pine 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

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

Cyprius 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 tumneyi 258

Razliv 59

regression see marine regression

Reinsvatnet 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

Roddnfida 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

Salpussellä end-moraine ridge 28

Saltstraumen 12

San Teodoro Cave–Pianetti faunal complex 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

Scaris sp. 258

Scarellus sp. 238

Schiaicutit 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

Sestrerotksy Razliv (Karelian Isthmus)
  methods of study 53, 54, 55
  results 55, 57, 58, 59–60, 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
Mossel Bay survey
methods 221
results 222–223
Silino 30, 30, 34
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
Sminthopsis youngsoni 258
Sosnovaya Gora 56, 57, 59, 59, 60
South Africa see Mossel Bay
South African shelf 4
South West Arm see Port Hacking
Sparidae 258
spectacled hare wallaby 257, 258
Sminthopsis youngsoni 258
Stavneset i 12
Stone Age 43
stone artefacts 5
Lake Jasper (Australia) 269
Strombus bubonius 182, 200
Strombus 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
tectonic 4
Aegean region 154–155
Cyprus 208–213
Messina, Strait of 120
USA
costal site survival studies 270–271, 271
Uskela Ka 35
Ust’ Ribezhna 35, 36
Usvyaty tradition 36
Üzmen culture 36, 41, 43, 45
Vega 12
vegetation, modelling for
Sundaland 240–241
vertebrate assemblages, Sicily in Late Pleistocene 125–127
Veshchevo 30, 30, 34
Voiknavolok 35
Volkhov culture 36
Wajak man 246
Wallace’s Line 237
wave notches see marine wave notches
wells, as 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

INDEX
Thailand, Gulf of 235
tidal velocities, modelling in Strait of Messina 121, 124, 124
Tiliqua sp. 258
Tingkayu, Lake 244, 246
Tolarevo 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
Troulli (Cyprus) Neolithic jetty 212
Turbo cinereus 259
Ucercie 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
Vega 12
vegetation, modelling for
Sundaland 240–241
vertebrate assemblages, Sicily in Late Pleistocene 125–127
Veshchevo 30, 30, 34
Voiknavolok 35
Volkhov culture 36
Wajak man 246
Wallace’s Line 237
wave notches see marine wave notches
wells, as 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

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3705831/backmatter.pdf by guest on 05 June 2019