

Index

- abductions, 131–32. *See also* Peruvian
 Slave raids
 on Más Afuera, 131
- Adams, John, 31
- Adventure* (British whaling ship), 131–32
- ahu* (stone platforms), 82, 88–89
- airstrip, 7, 47, 172
- akuaku*, 78–79, 92
- Aku-Aku* (Heyerdahl), 169
- alcohol, 133, 153, 157
- alternative states, 188–89, 192
 water ecosystems and, 187–88
- amulets, 80
- Ana Kai Tangata (cave), 95
- Anakena (Easter Island beach), 21, 30, 71
 settlement at, 47
- ancestor worship, 82, 92
- animals. *See* birds; extinctions; fish and
 fishing; land animals; rats; sea animals;
 sheep breeding
- annexation
 by Chile in 1888, 47, 155
 by Spain in 1770, 125, 154
- anthropologists, 69, 86, 146, 156
 Geiseler's visit to Easter Island in
 1882, 157–59
 Métraux visit to Easter Island in
 1934–35, 165–67
 Mulloy and Heyerdahl's visit to Easter
 Island in 1950s and 60s, 167–71
 Pinart's visit to Easter Island in
 1877, 156–57
 Routledge's visit to Easter
 Island, 161–65
 Thomson's visit to Easter Island in
 1888, 159–61
- appearance of Easter Islanders, 61–64, 132,
 133, 134, 156, 166
- artefacts, 124, 127, 129. *See also* *moai*;
 museums
- Attenborough, David, 81, 127
- auk, 187, 189
- Australia, 10, 16, 151, 153
- automobiles. *See* cars
- Ayres, William, 209, 212, 216, 219, 223, 225,
 228, 232
- Bahn, Paul, 3, 106, 109, 114
- Baker, James, 129
 population estimates of, 110
- bananas, 44, 52, 133, 135, 217
- Banks, Joseph, 126
- behaviour of Easter Islanders, 65–66
 Cuming on, 134
- Behrens, Carl Friedrich, 48, 90, 215
- Belgian exploration of Easter Island, 165
- Bierbach, Annette, 79
- biodiversity, 38, 39, 178, 183, 195
- birdman cult, 6, 46, 49, 72, 75, 76, 81, 82,
 114, 133, 160, 164, 166, 181–82, 196
 ceremonial competition of, 97–98
 Eyraud and, 149
 petroglyphs and, 98–100
- birds, 40–42, 154, 211, 214, 215
 bird-watching tourism, 214
 extinction and, 40–41, 179
- Bishop, Charles, 93, 129
- body painting, 63–64
- Bork, Hans-Rudolf, 178
- Bouman, Cornelis, 48, 54, 73, 123, 125
 on statue cult, 89–90
- Bounty, 31

- Brander, Mr John, 151, 152, 154
 British exploration of Easter Island, 4, 14–15,
 126–27, 154. *See also* Cook, James;
 European visitors
Bounty mutineers and, 31
 British fur traders, 93, 129
 British Museum, 50, 80, 127, 161
 British whalers, 129, 131–32
 burial ceremonies, 78–80, 81, 156
moai and, 90, 91
- Cain, Horst, 79
 calabash, 52, 116
 Callao (Peru), 136, 138, 141, 142
 cannibalism, 105, 143, 159, 164, 167, 242
 canoes, 17, 176, 179
 Cape Roggeveen, 29
 Carlos III (King of Spain), 12, 59, 68, 125, 154
 cars, 172, 195, 197
 Carson, Rachel, 102
 casino, plan for, 7, 193
 Chariots of the Gods? Was God an
 Astronaut? (von Däniken), 86
 chickens, 44, 181
 chicken houses, 50
 cooking of, 51
 scarcity of in 19th century, 134
- Chile, 32, 162, 163, 165
 annexation of Easter Island by, 47, 155
 commercial flights to Easter Island by, 172
 Corporación Nacional Forestal (Chilean
 state forestry commission) and,
 195, 197–98
 present day relation with Easter Island
 and, 192–94
 prison and casino plans for Easter
 Island, 193
 Sala y Gómez (Chilean Island), 31
- Chincha Islands, 139
 Choris, Ludovic, 93, 132
 Christianization of Easter Island, 47, 78, 125,
 126, 145, 159
 Eyraud and, 145–52
 present day, 197
- chromosomes, 20, 25, 210
 church owl, 189
 cigarettes, 133, 171
 climate change, 114, 175–76, 247
 climate of Easter Island, 28, 33, 37, 54
 clothing, 63, 126, 134, 159, 166
 hat thievery and, 65–66
 Club of Rome, 3, 103, 106, 190
 coconut palm, 52, 55, 176, 217, 221
 cod, 185, 192
Collapse (Diamond), 106, 119
 collapse but as qualitative degradation
 do, 247
 collapse theory, 1, 5–6, 101
 alternate theories of, 231
 alternative states and, 188–89
 Club of Rome model of, 103, 106, 190
 collapse as term usage, 182–84
 collapse defined by Diamond, 230
 Mulloy and, 103–5, 173
 overexploitation of natural resources
 and, 190–92
 population decline and, 102, 108, 185,
 190, 191
 resiliency underestimation in, 114, 190
 sunk-cost theory and, 191
 time span of collapse and, 102
 collapse theory refutation, 5–7, 100,
 174–75, 189–92
 climate change and, 175–76
 deforestation and, 108, 115–19, 119, 178
 Diamond's theories and, 119, 190
 ecosystem impoverishment and, 185–89
 extinctions and, 185–89, 192
 food and food production and, 115–19,
 190, 226
 health and vitality and, 108–9, 115–19
 introduced diseases and, 191, 192
 overexploitation of natural resources
 and, 190–92
 population estimates and, 109–15, 118,
 190, 191
 rats and deforestation and, 120–21,
 177–78
 resilience of Easter Islanders and,
 114–15, 190
 sustainability and, 178–82
 Ton Lemaire and, 174
 warfare and, 178
- Collapse, Sustainability, and the
 Environment, How Authors Choose to
 Fail or Succeed* (article, Tainter), 178
- Columbus, Christopher, 122
 CONADI, 116
 CONAF. *See* Corporación Nacional
 Forestal (Chilean state forestry
 commission)
- Concorde fallacy, 191
 Congrégation des Sacré-Coeurs de Picpus,
 145, 146, 240

Index

289

- Cook, James, 14–15, 53, 70, 126–27, 207
 on food and food production, 54, 55
 on houses of Easter Island, 48
 on *moai*, 83, 90, 93–94
 population estimates of, 110
- Copeco, 81
- copulation, 60, 68, 222
- coral reefs, 37, 40
- Corporación Nacional de Desarrollo Indígena. *See* CONADI
- Corporación Nacional Forestal (Chilean state forestry commission), 35, 195, 197–98
- corpses, treatment of, 78–80
- Cousteau, Jacques-Yves, 105
- cowrie shells, 40
- crab, 39
- Crang-a-low (Easter Island King), 132
- crater lakes, 30, 33, 37, 117, 168, 213
- Creation stories, 60, 68, 82
- Crocker, J., 131
- culture
 defined, 76, 225
 formative forces in, 45–46
- culture of Easter Island, 126.
See also birdman cult; *moai*; religion;
 statue cult
- ecological and cultural history phases in, 46–47, 101
- foreigner's effect on, 46, 129–30, 146, 150, 159
- future of, 197–99
- Peruvian slave raids and, 142–44
- Polynesian settlers and, 46
- present day, 192–97
- Rapa Nui and, 21–22
- resilience and cultural adaptability in, 114–15
- rongorongo* tablets and, 59–61
- Cuming, Hugh, 134, 206
- Dago, 90
- Dampier, William, 123
- Darwin, Charles, 43
- dating methodology, 19, 20, 21, 26, 33, 36, 168
- Davis Island, 12
- De Haze, 90
- De Laat, M., 60–61
- De Lesseps, Edmond, 138, 140–42, 155
- De Lesseps, Jean-Baptiste
 Barthélemy, 129
- De val van Prometheus. *See* Fall of Prometheus (Lemaire)
- deforestation, 37, 44, 46, 52, 53, 100, 235
 climate change and, 175–76
 collapse theory and, 108, 115–19, 178
 Diamond's theories of, 119
 drought and, 117
 food production and, 115, 116, 117, 118
moai and, 80, 92–93, 94, 95, 181–82
 rats and, 120–21, 177–78
 reforestation and, 195, 197–98
 statue cult and, 181
- Delano, Amasa, 93
- Diamond, Jared, 3, 6, 7, 45, 106, 119, 174, 182–83, 190, 226
 collapse defined by, 230
 population decline and, 108, 109, 112, 233
 resiliency underestimation by, 114
 Tainter article and, 178
- diseases. *See* introduced diseases; smallpox epidemic
- DNA analysis, 20, 21, 25, 68, 208, 210
- Dobson, Edward, 133
- Dransfield, John, 33
- drawings, 64, 80
 by Choris, 93, 132
 by Gaspard Duché de Vanchy, 128
 by Hodges, 126–27, 221
 of Easter Islanders dancing on the deck of *La Vénus*, 133
 of J. Weisser, 158–59
 of ritual paddles, 81
- drought, 30, 117, 176
- Dupetit-Thouars, Abel Aubert, 94, 133, 134–35
- Dutch East India Company (VOC), 9–11, 12, 123–24
- Dutch exploration of Easter Island, 8–12, 46, 123–25, 129, 154. *See also* European visitors; Roggeveen, Jacob
Groningen expedition, 171
- Dutch West India Company (WIC), 9–10, 123–24
- Dutrou-Bornier, Jean-Baptiste Onésime, 151–54, 157
- earlobes, 64, 132, 134, 156, 159, 166
- Easter Island
 Easter Island today, 197–99
 ecological and cultural history phases in, 46–47
 future of Easter Island, 197–99
 naming of, 125

- Easter Island (*cont.*)
 original name of (Henua), 32
 putting on map of, 135
 remoteness of, 31–32, 46
 Easter Island conference in 2007, 178
 Easter Island Foundation, 130, 194
 Easter Island Statue Project (EISP), 83, 226
 Easter Island, Earth Island (Bahn and Flenley), 106
 Easter, Henry, 132
 ecosystems, 185–89, 215
 water ecosystems, 118, 187–88
 education, 193–94, 196, 198
 eggs, 50, 55, 57
 Ehrlich, Anne, 103
 Ehrlich, Paul, 103, 105
 Einstein, Albert, 45
 El Gigante (*moai*), 93
 Energy and Environment (journal), 177
 Englert, Father Sebastian, 21, 40, 166, 167, 168, 171. *See also* Museo Sebastián Englert
 enigma, 7, 93, 195, 217
 Enlightenment, 45, 128, 135
 Erasmus, Desiderius, 45
 erosion, 21, 108, 154
 Escolán, Théodulo, 150, 151
 eucalyptus, 181, 195
 European visitors, 52, 206
 Cuming in 1827, 134
 Dupetit-Thouars in 1838, 134–35
 effects of on Easter Islanders, 122–23, 129–30
 food and food production and, 55
 genetic profile of Easter Islanders and, 68, 130
 on houses of Easter Island, 47–52
 Russian expedition in 1816, 132–33
 sexual contact and, 66–68
 temporary halt of at end of 18th century, 129
 wariness of by Easter Islanders, 132
 eutrophication, 187
 evolution, 34
 expeditions, 55, 130, 132, 156, 165.
 See also anthropologists; British exploration of Easter Island; Dutch exploration of Easter Island; European visitors; French exploration of Easter Island; Heyerdahl, Thor; missionaries; Mulloy, Bill; Spanish exploration of Easter Island; Russian expeditions; whalers
 Kon-Tiki expedition (1947), 7, 18, 168
 medical expeditions to Easter Island, 169
 Pindus expedition (1822), 133
 Polynesian, 23–24, 25, 44
 extinctions, 43, 44, 179, 185–89, 192
 highly visible species and, 189
 of birds, 40–41
 of cod, 185, 192
 passenger pigeon and, 185–87, 189
 Eyraud, Eugène, 53, 57, 145–52
 on *moai*, 94
 portrait of, 145
 Fall of Prometheus (Lemaire), 174
 Festinger, Leon, 184
 festivals, 195, 248
 fields, 52–55, 72, 108, 133
 Finney, Ben, 24
 fish and fishing, 37–39, 56–57, 71–72, 108, 134, 192, 219
 extinction and, 179, 185
 present day, 193
 Flenley, John, 3, 33, 37, 106, 109, 114
 food and food production, 56–57, 108–9, 218, 219. *See also* bananas; chickens; fish and fishing; sweet potatoes
 collapse theory and, 115–19, 190
 European visitor's opinion of, 55
 Peruvian slave raids and, 143
 present day, 193
 Forest Journey (Perlin), 44
 Forrester, Jay, 103
 Forster, George, 54, 62, 126
 artefacts taken by, 127
 on food and food production, 54, 55
 on *moai*, 91
 on statuettes of human figures, 81
 population estimates of, 110
 Forster, Johann, 39, 41, 61, 70, 126, 127
 French exploration of Easter Island, 4, 5, 15–17, 128–29, 154, 165.
 See also European visitors; Lapérouse, Jean-François de
 Dupetit-Thouars in 1838, 134–35
 tupa and, 50
 frigatebird, 32, 41, 78, 133, 211, 221
 fur trade, 93, 129, 133
 future of Easter Island, 173, 197–99
 Galápagos Islands, 39, 197
 Galen, 45
 gardens, 52–55, 133, 218
gecoy (figs), 34

Index

291

- Geiseler, Wilhelm, 57, 156, 157–59
 genetic profile of Easter Islanders, 26, 68, 130
 geography of Easter Island, 28–30, 31, 37
 Gill, George, 178
 Gill, W. Wyatt, 139
 Glacken, Clarence, 45
 goatee, 62, 84
 González, Don Felipe, 12, 57, 125–26, 154, 207
 calabashes and, 52
 on *moai*, 83, 90
 population estimates of, 110, 233
 Gore, Al, 184
 Green History of the World (Ponting), 1, 182, 205
 Groenvelt, Jacob van, 9
 Groningen, HMS visit to Easter Island, 171
 growth, 3, 71, 103, 106, 112, 118, 175, 180, 190.
 See also population
 of hair, 62
 of plants, 53
 of trees, 33, 92, 120
 growth percentages, 109–15
 guano, 136, 139
 guano mines, 139
- hair, 62, 133
 Hanau Eepe. *See* Long Ears tribe
 Hanau Momoko. *See* Short Ears tribe
 hare *moa*, 50, 134
 hare paenga (house), 48
 Hawaii, 28, 38, 87, 92, 164, 235
 headdresses, 62–63, 81, 132, 157, 221
 health and vitality, 61–62, 115–19, 129, 169
 collapse theory and, 108–9
 height, 156
 Henua (original name of Easter Island, land or earth), 32
 Hervé, Juan, 13, 207
 Heyerdahl, Thor, 18, 23, 24–25, 35, 167–71, 208
 on *moai*, 86, 87, 168
 Hiva (mythological land of origin), 2, 21, 78, 82, 211
 Hoa Hakananai'a. *See* Stolen Friend (*moai*)
 Hodges, William, 64, 126–27
 Hotu Matu'a (Easter Island chief), 21, 71
 houses, 47–52, 156, 159, 216, 218
 hare paenga, 48
 photo of, 48, 49
 population estimates and, 112
 wood statues in, 80
- Hudig, D., 10
 human settlement, 21, 25–26, 37, 216
 Rapa Nui and, 21–22
 hunger, 102, 108–9, 178, 226
 Hunt, Terry, 87, 177–78
 Hunter-Anderson, Rosalind, 176
- Imperial Museum in Berlin, 157
 Inconvenient Truth (film), 184
 Indian tulip tree, 80
 insects, 43, 215
 introduced diseases, 47, 68, 122, 130, 145, 150, 176, 191, 192
 introduced species, 47, 215, 237
 Isla de Pascua, Chile, Easter Island
 re-naming as, 155
 isotopes, 19, 20, 56
- Janssen, Marco, 191
 Jaussen, Tepano, 149
 Jerningham, W. Stafford, 140
 Juan Fernández Islands, 32, 131
 Judas figure, 81
- King, Sara, 37
 kings and chiefdoms, 70–71, 75, 100, 143
 property and, 53
 Kirch, Patrick V, 70
 Ko Tori, 164, 242
 Kohler, Timothy, 191
komari, 68, 97
 Kon-Tiki (Incan sun king), 18
 Kon-Tiki expedition, 7, 18, 168
 Kon-Tiki Museum (Oslo), 168, 169
 Koreta, Queen, 153, 157
kuhane, 39, 78, 79
- land animals, 40–43, 128, 215
 land snails, 43
 Langle, Mr D, 91
 language and writing, 57–59.
 See also Rapanui language
 rongoongo tablets and, 59–61
 Lapérouse, Jean-François de, 15–17, 128
 on *moai*, 91, 93
 population estimates of, 110
 Lee, Georgia, 76, 87, 98, 99, 223, 226
 Lejeune, Captain, 145, 146
 Lemaire, Ton, 174
 Limits to Growth, 103
 Lipo, Carl, 87, 177–78
 Lisiansky, Urey, 131
 population estimates of, 110

- lizards, 43
 lobster, 40
 Lomborg, Bjørn, 176
 Long Ears tribe, 69, 161
 Lost Gods of Easter Island (documentary),
 81, 127
 Loti, Pierre, 80, 240
 on *moai*, 94
 Love, Charles, 87
- Mahine, 15, 81, 127, 208
 Makemake (creator god), 75, 76–78, 95,
 97, 197
 Manu Motu Motiro Hiva (bird island on the
 way to Hiva), 31
manutara. *See* sooty tern
 maritime archives, 130
 Marquesas Islands, 21, 25, 34, 92, 136, 142,
 151, 152
 Marutani, Captain, 137
 Más Afuera, 131
 masked booby, 41
 masonry, 85
mata (clans), 70
 Mataveri Airport, 172
 McCall, Grant, 137, 139, 240
 McCoy, Patrick, 5, 47, 105
 measles epidemic, 140
 medical expeditions to Easter Island, 169
 Melnick, Don, 184, 185
 Mendaña de Neyra, Alvaro, 206
 Mens, Cornelis, 124, 125
 Métraux, Alfred, 5, 21, 81, 165–67
 population estimates of, 111
 Mieth, Andreas, 178
 mission, 123, 139, 145, 153, 155, 157
 NASA and, 172
 of Eyraud, 145–52
 missionaries, 47, 69, 70, 166, 224.
 See also Christianization of Easter
 Island; Englert, Father Sebastian;
 Eyraud, Eugène; Roussel, Hippolyte;
 Zumbohm, Gaspar
 eyewitnesses to collapse of Easter Island
 culture, 142–44
 on *moai*, 94
moai, 29, 76, 82, 90, 129, 134, 158, 173
 ahu (stone platforms) and *pukao*, 88–89
 ancestor worship and, 92
 as burial sites, 90, 91
 dating of, 168, 228
 deforestation and, 80, 92–93, 94,
 95, 181–82
 destruction and toppling of, 93–94
 features of, 84–85
 for tourists, 197
 Hodges drawings of, 127
 houses near, 49
 in museums, 50, 80, 84, 161, 167, 227
 long ears of, 64
 long fingers on, 81
 moai kava kava, 80, 158
 Paro (largest *moai* on *ahu*), 82
 Pou Hakanononga, 167
 Rano Raraku quarry and, 83–86
 seasons and, 59
 sunk-cost theory and, 191
 tilt and swivel theory of transport of,
 86–87, 168
 towing on rollers theory of transport, 87–88
 Van Tilburg's inventory of, 83, 86
 volcanic rocks as material for, 83
moai tangata anga (people who work on
 moai), 71–72, 88, 93
 Moerenhout, J.A., 131
moko miro, 43, 80, 198
 Morrison, Mr, 165
 Motu Iti, 31, 41, 49, 62, 95, 97, 100
 Motu Kau Kau (Easter Island sea stack), 31
 Motu Nui, 31, 41, 49, 62, 78, 95, 97, 100, 164
 mtDNA, 20, 25, 68, 210
 mulberry trees, 157
 Mulert, F. E. baron, 10
 Mulloy, Brigid, 231, 243
 Mulloy, William T. (Bill), 103–5, 167–71, 173
 Museo Fonck, 84
 Museo Sebastián Englert, 120, 167, 196, 198,
 221. *See also* Englert, Father Sebastian
 museums, 43, 127, 133, 158, 167, 198
 in U.S., 161
 moai in, 49, 80, 84, 227
 myth, 2, 21, 39, 69, 76, 78, 82, 95, 167, 195
 myth of 1680, 69, 178
- NASA, 47, 172
 nature, 1, 2, 3, 7, 21, 24, 30, 75, 79, 101, 179,
 181, 182, 188, 189, 190, 193, 197
 navel of the earth, 32, 97, 174
 necklaces, 132
 Norwegian expeditions to Easter Island, 167.
 See also Heyerdahl, Thor
 nudity, 61, 62, 63, 66, 70, 73, 135

Index

293

- numeracy, 58
 Nunn, Patrick, 176
- obsidian hydration dating (OHD), 20
 octopus, 39
 Onésime, King, 153–54
 oral tradition of Easter Island, 21, 159
 scant evidence of oral history, 68–69
 Orliac, Catherine and Michel, 33, 34,
 37, 176
 ornaments, 62
 Orongo (Easter Island village), 49, 98–100
 Otaheite (Tahiti), 15, 53
 ovens, 51, 97, 217
- paenga, 48
 Page, Benjamin, 132
 paleo-osteology, 178
 Palmer, J. Linton, 57, 80
 on *moai*, 94
 panda, 189
 pangasius, 192
paoa, 133
 paper mulberry, 35, 181
 reforestation and, 195
 Paro (*moai*), 82
 passenger pigeon, 185–87, 189
 peasant class, 72
 Pecci, Aurelio, 103
 Peiser, Benny, 177
 Perlin, John, 44, 45
 Peruvian slave raids, 47, 136–39, 145, 191, 240
 De Lesseps and, 140–42
 return journey from, 141–42
 Petit-Thouars, du.
 See Dupetit-Thouars, Abel Aubert
 petroglyphs, 58, 72, 76, 159, 164, 196, 211
 birdman cult and, 98–100
 depictions of European ships in, 130
 Lavachery on, 167
 of sea animals, 39
 of sea turtles, 39
 vulvas (*komari*) on, 68
 Pickersgill, Richard, 15, 90
 pierced earlobes, 64, 132, 134, 156, 159, 166
 Pinart, Louis Alphonse, 156–57
Pindus expedition (1822), 133
 pipi horeko, 51
 Pitcairn Island, 31, 211
 Pitt-Rivers Museum, 127
 plantations, 53, 54, 136, 139, 152, 157, 179
 Poike (volcano), 28–29, 53, 108
 Poike Ditch, 69
 Polet, Caroline, 109
 Policarpo Toro, Captain, 155
 pollen analysis, 21, 33, 37, 108
 polygamy, 75
 Polynesian settlers, 21, 25–26, 28, 46, 47, 54
 sea exploration and, 23–24
 Ponting, Clive, 1, 5–6, 7, 106, 174,
 182, 190–92
 resiliency underestimation by, 114
 Pope Gregory XVI, 145
 population, 71, 103, 106, 150, 159, 175, 179
 current, 192
 estimates in eighteenth-century
 journals, 109
 in 1863, 142
 in 1869, 143
 in 1877, 143
 in 1882, 158
 in 1888, 160
 in 1900, 154
 introduced diseases and, 145
 population estimates, 109–15, 118, 190,
 191, 233
Population Bomb (Ehrlich), 103, 105
 Population Explosion (Ehrlich), 103
pora (surfboard), 36, 62, 97
poro (raised platform), 86, 91, 92
 Porotu, 164, 242
 portia tree, 33, 35, 80
 reforestation and, 195
 Pou Hakanononga (*moai*), 167
 pre-modern culture, 75, 104, 106, 114, 118,
 144, 175, 177, 180, 190
 present day culture, 197–99
 priests, 75
 prison, plan for, 7, 193
 property rights, 53, 193
pukao, 88–89, 94
 Puna Pau, 83
purau (wild hibiscus), 57
- radiocarbon dating, 20–21, 33, 209, 210, 216
 Rainbird, Paul, 177
 Rano Aroi (crater lake), 28, 37
 Rano Kau (volcano), 29, 33, 35
 Rano Raraku, 29, 164, 168
 Rano Raraku quarry, 83–86, 92, 93
rapa, 80, 98
 Rapa Nui, 21–22, 209

- Rapa Nui* (film), 87, 230
Rapa Nui Journal, 178
Rapa Nui National Park, 76
Rapanui language, 52, 57–59, 71, 78, 146, 159, 167, 197, 208, 211
Raroia riff, 18
 rats, 42–44, 129, 244
 deforestation and, 120–21, 177–78
 European, 129, 180
 Polynesian, 41, 43, 120, 129, 177, 179
 reforestation, 195, 197–98
 regeneration, 120, 121, 176, 177
rei miro, 80
 religion, 39, 68, 75, 76–82, 159.
 See also birdman cult; Christianization of Easter Island; Makemake (creator god); *moai*; statue cult
 burial ceremonies and, 78–80
 defined, 76
 eco-religion, 101
 religious vocabulary, 78
 sexuality and fertility symbols, 68
 wood statues in houses and, 80
 resilience, 7, 54, 100, 114–15, 144, 190
 resources, 184, 191
 birdman cult and, 182
 collapse theory and, 1, 2, 3, 7, 105, 106
 collapse theory refutation and, 190–92
 Easter Islanders adaption to dwindling, 143, 144, 179
 European visitors as cause of overexploitation, 177
 imports from Chile on present day Easter Island, 193
 limited amount on Easter Island, 46
 need for sustainability for present day Easter Island, 197, 198
 period of dwindling (1550–1722), 46
 rising environmental concern in 70s and, 103
 statue cult and, 181
 revolt of July 1914, 163
 Rhys, Richard, 130
 Ribeyro, Juan Antonio, 140–42
 ritual paddles, 80, 81, 98
 Robertson, E.W., 137, 138
 Roggeveen, Jacob, 2, 3–5, 8–12, 61, 123–25, 206
 on Easter Island houses, 48
 on food and food production, 51, 54, 55
 on *moai*, 82
 on statue cult, 89–90, 94
 population estimates of, 109
rongorongo tablets, 68, 82, 157, 159–61, 166, 197
 Roos, Paul, 171, 243
 Roosendaal, Roelof, 9
 Rotherhithe (London borough), 132
 Roussel, Hippolyte, 53, 143, 149–50
 on *moai*, 94
 Routledge, Katherine, 21, 78, 98, 161–65
 Routledge, William Scoresby, 161, 162, 163, 164
Rurik (Russian ship), 132
 Russian expeditions, 131, 223
 in 1816, 132–33
 Sala y Gómez (Chilean Island), 31, 39, 55
 San Carlos, 12, 125
 Scheffer, Martin, 191
 Schiller, Svi, 88
Science (journal), 178
 scoria, red, 83, 84
 sea animals, 37–40
 sea turtles, 39, 78, 79
 seabirds, 31–32
 seals, 39, 131, 179
 Selling, Olof H., 33
 sexual contact, 66–68, 130, 133, 162, 171, 222
 sexuality and fertility symbols, 58, 68, 100
 sharks, 39
 sheep breeding, 47, 146, 150, 151–54, 157, 162, 165, 181
 shells, 40, 62, 64, 132, 134, 167
 cowrie shells, 40
 shoes, 166
 Short Ears tribe, 69, 161
 Silent Spring (Carson), 103
 Skeptical Environmentalist (Lomborg), 176
 Skottsberg, Carl, 36–37, 43, 108
 slash-and-burn cultivation, 52, 175, 178
 smallpox epidemic, 140, 142, 143, 150, 191
 Society Islands, 17
 society, defined, 76
 Soldán, Paz, 140
 solstices, 59
 sooty tern, 32, 95–97, 211, 214
 Spanish exploration of Easter Island, 4, 12–14, 125–26, 130, 154, 207.
 See also European visitors; González, Don Felipe
 Sparrman, Anders, 110, 126, 237

Index

295

- Spee, Admiral von, 163
 spirituality. *See* religion
 statue cult, 46, 50, 75, 86, 114, 196.
 See also moai
 deforestation and, 181–82
 Roggeveen and crew on, 89–90
 Stolen Friend (*moai*), 50, 80, 100
 Stortenbeker, Claus, 105
 stress, 108, 117, 118, 188, 233
 sugarcane, 53
 sunken costs, 191
 Surry (trading vessel), 133
 survival, 2, 23, 175. *See also* resilience
 of subtropical vegetation, 33
 sustainability, 7, 178–82, 179, 192
 sweet potatoes, 25–26, 44, 70, 133, 135,
 181, 210
 European visitor's opinion of, 55
 swimming skills, 62, 131, 134
 symbols, 58, 59, 100, 125
 rongorongo tablets and, 60, 68, 197
 sexuality and fertility symbols, 58, 68, 100
 syphilis, 47, 68, 130
- Tahiti, 127
 Tainter, Joseph, 178, 190
 collapse defined by, 230
tangata manu, 133. *See* birdman cult
 Tapati Rapa Nui (summer festival), 195
 taro, 52, 116, 218
 tattoos, 63–64, 134
 Taurico, 90, 228
 Te Pito te Henua, 32
 teeth analysis, 20, 109, 117, 118, 178
 Tekena, Atamu, 155
 Tepano, Juan, 164, 166
 Terevaka (volcano), 28, 88
 Terra Australis Incognita, 10
 Thienhoven (ship), 10
 thievery, 65–66, 126, 133, 163
 Thomson, William, 49, 57, 159–61
 tidal waves, 29
 tobacco, 133, 157, 171
toki (stone picks), 84
 Tonga, 16
 Tongariki, 29, 86
Topaze, HMS, 50, 57, 59, 94
 Tori, Angata, 163
 Torometi, 148–49
 toromiro trees, 35, 43, 80, 157, 169, 212
 recovery of, 181
 totora reed, 36, 48, 217
 tourism and tourists, 40, 172, 197–98
 bird watching and, 214
 trees and forests, 32–35, 35–37, 212.
 See also deforestation; vegetation
 fruit trees, 55
 present-day situation, 195
 tsunamis, 29
 Tuamotuan, 134
 tuberculosis, 140, 143, 150
 tuff stone, 83, 100
 Tuki, Valentino Riroroku, 248
 Tukuturi (*moai*), 84, 100
 tuna, 39, 108, 181
tupa, 50, 91, 134
- umu*. *See* ovens
Umweltsehbuch (Environmental
 Handbook), 105
 UNESCO World Heritage Site, 76, 182, 198
- Vaihu, 149, 150, 152
 Vainu (present day Vaihu), 149
 vaka tangata, 71
 Van Tilburg, Jo Anne, 83, 86, 87
 Vanchy, Duché de, 128
 Vanderbes, Jennifer, 163
 Vanikoro, 17, 129
 vārua, 78
 vegetation, 21, 35–37, 44, 47, 150, 154, 180,
 189, 195, 212, 217
 taxonomy of, 212
 Velde, Henk de, 172–73
 Velde, Jan Steven Vairoa de, 172
 Veriamu, Victoria, 164
 View of the Monuments of Easter Island
 (oil painting, Hodges), 127
 Vinapu, 85
 violence against Easter Islanders, 46, 124,
 129, 133, 135, 198
 violence among Easter Islanders.
 See warfare
 Viriamo (Easter Islander), 166
 viruses, x, 45. *See also* introduced diseases;
 smallpox epidemic
 Vives Solar, J.I., 163
 VOC. *See* Dutch East India Company (VOC)
 volcanoes, 28–30, 211
 obsidian hydration dating (OHD) and, 20
 volcanic rocks as *moai* material, 83
 volcanic soil, 53

- von Däniken, Erich, 86
 von Kotzebue, Otto, 131, 132, 223
 VU University, Amsterdam, 176
 vulvas, 58, 68, 97, 100

 Waihoo. *See* Vaihu
 warfare, 73–74
 lack of evidence of, 129, 178, 224
 warriors, 73
 water
 drinking, 14, 30, 97
 ecosystems, 118, 187–88, 194
 storage of, 52
 weapons, 3, 73–74, 105, 129
 Weeden, Richard, 133
 Weisser, J., 158–59

 whalers, 47, 129, 131–32, 133, 134, 198
 WIC. *See* Dutch West India
 Company (WIC)
 Williamson, Balfour & Co., 162, 165
 wine, 153
 wolves, 188
 women, 74, 92, 110, 134, 159.
 See also appearance of Easter Islanders;
 sexual contact
 population estimates and, 109, 110

 Y chromosomes, 20, 25, 268, 283
 yams, 44, 70, 116, 131, 133, 135, 217

 Zumbohm, Gaspar, 59, 69, 150, 151, 152
 Zwaardencroon, Hendrik, 124