

Index of People, Places, and Terms

- Aborough or Borough, John à 20
 Acosta, José de 34
 Aden 255, 230–231
 Afhuysen, Gerrit van 130
 Africa, east coast of 217
 Agnese, Battista 263
 Aguiar, Jorge de 23
 al-Mahrī, Sulaymān 14, 195, 198–199, 200,
 203–204, 208–209, 220, 233–235, 239
 Al-'Umdat al-mahriyah fī ḍabṭ al-'ulūm
 al-bahriyah 220
 Albert of Austria, Cardinal 125–126
 Albuquerque, Afonso de 223, 225, 226–230,
 234, 240, 242
 the commentaries of 223, 228, 230
 Albuquerque, Matias de 129–130
 Alexandria 237
 Alighieri, Dante 249
 Almada, André Álvares e 166
 almanacs 26
 Almeida, Lourenço de 225, 231
 Alonso Niño, Pedro 208
 Álvares, Manuel 20, 24n19, 129
 Álvaro Velho 218
 Almada, André Álvares e 166
 Ambon Island 236
 Anchieta, José de 161–162
 Anfila Bay 225
 Angra 125, 126, 128, 130, 135
 Arab
 nautical sources 14, 196, 197, 201, 210, 219,
 233, 234, 238, 241
 navigators 15, 219, 229, 242
 pilots 207, 209
 Arabia 226, 231, 236, 237
 coast 228, 229, 230, 232
 Arabic
 nautical corpus 198, 200, 207, 208
 numerals 62, 70, 71
 language 199
 Aristotelian tradition 196, 250, 261, 263
 Aristotle 250
 Armazéns da Guiné e Índias 54, 207
 ars 200
 artes de navegar 26. *See* navigation manuals
 artes liberales 14, 200
 Ashley, Anthony 80
 astrolabe 28, 53, 54, 56, 61, 66, 71, 77, 80, 82,
 85, 188, 233
 astronomy 14, 55, 63, 71n41, 151–152, 199, 209,
 220, 255
 atlases 26
 Austria, Albert of 125–126
 authorship 34, 37, 40, 87
 Bab-el-Mandeb 223, 225, 238
 Banda Islands 236, 242
 Barbosa, Duarte 221, 224, 240
 book of 224
 Barlow, Roger 65–67
 Barreto, Belchior Nunes 32
 Barros, João de 15, 24, 25n23, 32, 164, 218, 221,
 223, 225, 229–234, 238, 239, 242, 251, 260,
 263
 bastilha of the Moor 232
 Bazán, Álvaro de 77
 begriffsgeschichte 197
 Bezalel 196
 Bonaert, Nicolás 98
 Borja, Juan de 160
 Borneo 226
 Borough, John *See* Aborough
 Brazil 33, 130, 154–155, 158, 163, 250–251, 261, 241
 run 255
 Brito, Duarte de 15, 249–250, 253, 263
 Caboto, Sebastián 53
 Cabral, Pedro Álvares 223, 250–251, 254, 261
 Camões, Luís de 218, 221, 262–263
 Campos, Hermão de 56
 Cananor 223
 Cape of Good Hope 23, 208, 217, 257–258
 cartography 10–11, 14, 16, 28, 145, 239, 248,
 255, 259, 263
 Casa da Índia 30n41, 52, 94n2, 154, 176, 251,
 255
 Casa de la Contratación 34n60, 52–53, 67,
 100–102, 106, 109, 207
 Castro, João de 21–22, 30, 223–226, 228–230,
 236–242
 Céspedes, Andrés García de 30, 51–52, 83, 87
 Charles V (King of Spain) 75–78, 99n19, 106, 109
 chart 53, 188, 235, 238, 241
 by Jorge Reinel 235
 makers 11, 126
 nautical 251–252, 261
 of the Moors 235
 Chaul 231
 Chaves, Alonso de 52n2, 55
 chief cosmographer *See* cosmógrafo mor
 China 129, 132, 224, 226, 253, 254
 chronicles 15, 33, 218–219, 223–224, 228, 231, 241,
 248, 263
 circulation 22, 25, 41, 65, 102n32, 121, 136, 153, 157
 of knowledge 121, 144–146, 148–150,
 154–155, 162, 221, 242, 243
 of wind 256
 Claesz, Cornelis 40, 128, 132
 coastline profiles 37, 83, 157, 165

- Cochin 255, 257
 Colchero, Alonso Sánchez 21
 collections 10, 37–41
 Columbus, Christopher 29, 208
 compass 10, 70–71, 73–74, 77, 80, 82, 131, 152, 182, 186, 202, 232, 234, 236, 238
 conflict 15, 95*n*5, 155, 158, 162, 166, 219, 227–228, 234, 240, 242–243
 Cook, James 29
 Copland, Robert 19
 corsairs 100, 107–108
 Cortés, Martín 71, 76–80, 84–86
 Cosmogony 196*n*3
 cosmógrafo-mor 52, 222
 cosmographers 12–13, 16, 23–24, 28, 65, 67–68, 76, 83, 87, 152–153, 156, 158, 165, 167
 cosmography 10, 13, 16, 26, 33, 38, 53, 54*n*8, 55, 58, 63–65, 68, 71, 77–78, 84–86, 184, 186
 chair of 53
 cosmology 180, 186, 189, 195, 210
 Coutinho, Manuel de Sousa 125
 Couto, Diogo de 226–227, 241
 craft 209, 223
 Cromberger, Jacobo 65, 68
 cross-staff 20*n*4, 54, 61, 71, 77, 80, 82, 85, 188
 Cuama 224
 Cunha, Aires 164.
 Cunha, Francisco Vasconcelos da 166
 Cunha, Tristão da 234

 Dahlak Islands 225, 227, 242
 Davis, John 83–85
 Dawson, Thomas 83*n*56
 declination tables 61–62, 65–67, 71, 73. *See* magnetic, declination
 demiurge 186
 descriptions of 123, 226, 252
 Arabian navigators 233
 Franks
 Gujarati 218, 211, 231
 routes 21
 currents and tides 82
 coasts 83
 natural world 156, 161
 resources 157
 harbors 157
 voyages 227, 230, 240, 241
 Dias, Bartolomeu 208
 Dias, Juan 104
 Domingues, Gonçalo 104
 Donelha, André 14, 145, 166
 Drake, Francis 21, 131
 Dürer, Albrecht 204*n*26, 209
 Dutch Republic 120–122, 125, 126–127, 130, 132, 134

 Elizabeth I (Queen of England) 97, 120, 127
 Enciso, Martín Fernández de 38, 40, 65–66, 70, 74
 Enkhuizen 122, 128, 132, 134
 Ephemerides 20, 36
 Epistemology 195–196
 Escalante de Mendoza, Juan de 14, 181–184, 187–191
 Ethiopia 65, 236
 Euclid 210

fachliteratur 195, 203, 207
 Faleiro, Francisco 13, 63, 67–74, 76, 78, 83–84, 86
 shadow instrument 70–72, 76, 78
 Fawā'id fi uṣūl 'ilm al-baḥr wa-al-qawā'id 198, 201, 220, 233
 Fernandes, Bernardo 221, 224
 Fernandes, Sebastian 104
 Fernandes, Valentim 36, 57*n*14, 71*n*41
 Fernández de Enciso, Martín 38, 65
 Ferreira, Gaspar Reimão 30, 129
 Figueiredo, Manuel de 10, 24*n*19, 39–40
 Filarete 209
 Fonseca, Frei Vicente da 122–127, 133
 Fontaneau, Jean (João Afonso) 65, 67
 Freitas, Serafim de 98

 Gaitán, Juan 33
 Galharde, Germão 57–58
 Gali, Francisco 129
 Galileo 204
 Gama, Estevão da 223
 Gama, Vasco da 23, 30*n*38, 207, 217–219, 233, 238–239, 241, 262–263
 journal of the voyage of 221–223, 226–228, 231–232, 234, 236
 Gândavo, Pero Magalhães de 14, 143, 145, 158–164
 Ganicho, Cristóbal 104
 Garcie, Pierre 19–20
 Genoese 150, 154
 needles 232. *See* compass
 geographical
 knowledge 36, 83, 120, 156–159, 165, 182, 190, 222, 224, 237, 252, 263
 accounts 14, 32*n*50, 66, 124, 162, 219, 229, 240, 260
 landmarks 27, 35, 166, 240
 treatises 26, 33
 consciousness 31, 180
 Goa 13, 22, 123–125, 129, 130*n*49, 133, 253
 guidance 10, 12, 15, 70, 77–78, 80, 153, 201, 205, 219, 222, 224, 240, 260
 Guidarim 224
 guides (nautical) 12–14, 26, 51, 56, 63, 65–67, 70–71, 73–74, 76, 78, 83, 85–86
 guilds 208
 Guinea 144, 154, 165, 218, 258

- Hakluyt, Richard 21*n*6, 120–121
 Hernandes, Simón 104
 Hinduism 196
 Hondius, Jodocus 131
 Hordiola, Miguel de 102
 Houtman, Cornelis de 120, 126–127, 130–132
 Houtman, Frederick 126–127, 131
 Howard, Charles 83
- Iberian Peninsula 38, 51–52, 54–55, 73, 75–76,
 80, 86–87, 96, 100, 108, 145, 149, 153, 155, 164,
 242
 ibn Mājid, Aḥmad 14, 198–206, 208–209, 219,
 233, 235, 239
ʿilm 14, 195, 198–203, 205, 220
 India 39, 65, 125, 145, 148, 217–218, 223–224,
 231, 233, 239, 250, 253, 256, 261
 viceroy of 123, 129–130*n*46, 141
 India Run 30, 35*n*62, 128, 255, 256–259, 261
 Indian
 board 232
 Ocean 12, 14–15, 162, 185, 195–199, 201, 209,
 210, 218–228, 231–233, 236, 236, 257
 monsoons 31, 155, 255–256
 trade 155, 255. *See* India Run
 navigators 217–223, 225–226, 228, 231,
 234–235, 237–243
 Indochina 148
 Instruments 13, 20, 76–78, 206, 209, 240. *See*
 astrolabe, *ballestilha*, compass, cross-staf,
 shadow instrument, wooden board.
 construction 85, 145, 151–153, 156
 nautical 10, 15, 51, 53, 61, 70–72, 80, 81, 84,
 129, 188–191, 219, 231–234, 241, 255
 rutters as 19, 32
 Işbaʿ 233
 Islam 200–201, 220
- Jābir (Geber) 210
 Japan 129
 Java 129, 130, 132, 199, 226
 Javanese text 226
 Jesuit 32, 34, 135, 148, 161
 João II (King of Portugal) 56–57
 João III (King of Portugal) 233, 228, 236
- Kenya 218
 Khambhat 233
 Kilwa 226
Kulturwissenschaft 197
- Lasso, Bartolomeu de 131
 Lavanha, João Baptista 24, 25*n*23
 letters 23, 36, 125, 160, 219, 236
 libraries 40–41, 56–57, 123, 160, 198
 Lima 183
 Lima, João de Sousa de 23
 Linschoten, Jan Huyghen van 13, 39, 119–140,
 239
- Lisboa, João de 37, 55, 67, 70
 Lisbon 22, 30, 36, 52, 56–57, 109, 122, 124–128,
 130–134, 155, 162, 207, 251, 255–258
 literary (rutters as)
 genre 12, 15, 29, 34, 68, 76, 82, 86, 87, 145
 models 41
 technology 28*n*35
 technical 26, 28
 livros de marinharia *See* seamanship books
 and Álvares, Manuel
 logbooks 9–13, 15, 21–23, 26, 29–31, 151, 159,
 165, 219, 222, 226–227, 230–232, 236, 241
 long-distance navigation 9–13, 19, 23–25, 29, 41,
 36, 38, 41, 51, 61, 64, 93, 151, 155–156, 178–179
 globalization 135
 in literature 247–248, 250, 253, 262
 regulation 94, 99, 110–111, 207, 255
 symbolism 250
 longitude 33, 72, 82, 187, 237–238, 241
 Lopes, Duarte 131
 Luís (Prince of Portugal) 236
Lusiads 218–219, 262
- Maelson, Franciscus 128, 131
 Magellan
 anonymous description of the voyage
 of 226, 228
 Ferdinand 261
 Strait of 21, 131
 voyage 67, 174, 176–177, 185, 223
 magnetic
 declination 67, 70–74, 77, 178, 190
 variation 39, 54,
 compass 152
 north 188, 190
 Malaka 235
 Malindi 218–219, 221, 226, 238, 241–242
 King of 218
 manatee 161–162
 Manuel I (King of Portugal) 98–99*n*19,
 250–251, 254
 maps 83, 131, 228, 263. *See* charts
 Marín, Juan 103–104
 Marinho, Bastião 164
 Martamane 224
 Massawa 227
maʿrifah 14, 203
 mathematics 135, 145, 152, 211
 Mecca 226, 230
 Medina, Pedro de 13, 52, 54–55, 67, 70–71,
 73–79, 83–86, 177, 191
 Mediterranean navigation 20, 52, 151, 176
 Melo, Luís de 164
 Mendoza, Íñigo López de 249
 Menelaus 210
 merchants 11, 126–127, 131, 152
 metaphysics 196, 215
 missionaries 23, 32, 124
 Moluccas 65*n*28, 67, 160, 226, 228

- Mombasa 231
 Montoya, Pedro 104
 Moura, Cristóvão de 163, 165
 Mozambique 223–224, 227–228, 232, 236, 257
 Myanmar 224
- narratives 219, 223–224, 234, 239, 241, 259
 logbooks 26, 226, 232, 236
 interconnected 31
 travel 38
 shipwreck 39
 imperial 176
 science 196
 war, destruction, death 227–228
 non-navigational 231
 medieval 252
- Nassau, Maurice of 128
 natural philosophy 145, 159–160, 200
- nautical
 charts *See* charts
 guides *See* guides (nautical), navigation, manuals
 Navarrete, Martín Fernandez de 38
- navigation 27, 32, 52, 68, 70, 72, 103, 135, 152–153, 157, 174, 178, 182, 185, 187–189, 191, 195–196, 222, 234, 243
 astronomical 13, 220, 250
 costal 20
 long-distance (oceanic) 10, 12–15, 23–24, 28, 41, 53, 57, 64, 83, 210
 manuals 26, 38*n*72, 55, 58, 61, 71, 73–74, 76–78, 84–87, 93, 145, 151, 160, 206. *See* Artes de Navegar
 medieval 64
 to China and Japan 129, 132
 Indian Ocean 224, 256
- non-navigational information 15, 163, 229, 230, 241
- north star regiment 53–57, 61–62, 66, 73, 188
- Nunes, Pedro 16, 22, 54, 63, 209–210
- Oldenbarnevelt, Johan van 128
- Oliveira, Simão de 22
- Omar (navigator) 234–235
- Oratorians 211
- Orellana, Francisco 164
- Ormuz 226, 228, 231, 234, 242, 253, 254
- padrón real 52, 68
- Paludanus, Bernardus 128, 132
- Pereira, Duarte Pacheco 33–34, 71*n*41, 156, 167
- Pereira, Gaspar de Leão 123
- Pereira, Lioniz 162
- Pereira, Paulo de Lima 129
- Pigafetta, Fillippo 130
- pirates 100. *See* corsairs
- Philip II (King of Spain) 24, 54, 97, 103, 107–108, 121–127, 130, 129–130*n*46, 148–149, 159, 160, 162–163
- pilot *See* pilots
piloto mayor *See* pilots, major.
- pilots
 exams 10, 26, 53
 expertise 14–15, 34, 65, 68, 186, 188, 259
 ignorance 77, 87
 Indian Ocean 15, 200, 207–209, 224, 239
 major (*piloto mayor*) 30, 40, 52, 101
 professionalization 24
 training 26, 37, 52–55 58, 61, 78–79, 87, 153, 181, 255
- Pinelo, Antonio de León 36
- Pires, André 38, 40, 66, 224, 233–236, 238–240, 242
- Pires, Tomé
- Plancius, Petrus 126, 131–132
- Plato 196
- Pliny 57*n*14, 165, 229, 237
- Pomp, Dirck Gerritsz 125, 129
- Portugal 10, 15, 54–58, 94–97, 99, 109–110, 121–126, 129, 133, 144, 150, 154, 158–160, 162–163, 165, 176, 224, 237, 250–251, 253–255, 257, 259, 261–262
- Ptolemy 58, 165, 210, 229, 237, 252
- Purchas, Samuel 22–23
- qibla 201–203
- quadrant 53–54, 56, 61, 66, 71, 80, 85, 232–233, 236
- Ramusio, Giovanni Battista 32, 38
- red coral 230
- Red Sea 22, 199, 224–226, 229–230, 233, 236–237, 241–242
- regiment of the leagues 62
- regiments 10, 36, 56, 58, 61–63, 66, 70–71, 73–74, 77–78, 84, 86, 255. *See* guides, nautical
- Reimão, Gaspar Ferreira 30, 129
- Reinel, Jorge 235
- repertórios dos tempos *See* almanacs
- Resende, Garcia de 249
- Resende, Nicolau 165
- Rodrigues, Francisco 65, 104, 225–228, 240, 242
- Rodrigues, Vicente 129
- Ribas, Miguel de 102
- routes 9, 12–14, 21, 24, 26–27, 37, 41, 72, 129, 134, 157, 176, 182, 189, 199, 248
 Brazil Run 255
 Carrera de Índias 181
 India Run 255
 northern 152
 regulation 94, 100, 103, 106, 107, 109–111, 120, 174, 183, 206
 short-distance 20
 Spanish 39
 Spanish Indies 53
 terrestrial 99

- trade 221
- zigzagging and circular 31
- rutters 9–14
 - definition (first known) 33
 - distinction from logbooks 26–27, 30, 103
 - legal (see rutters of instruction)
 - narrative 34
 - oceanic (definition) 27–29
 - of instruction 34–35, 100–102, 106,
 - ruiter–writing 21, 31–32, 41, 153, 156–157
 - genre 22–25, 29–30, 33, 36, 38, 152–153
 - symbols of authenticity 38
 - collecting 39, 125
 - piloto mayor* 40
 - secret 121, 127, 129
 - ruiter–type 158–159, 162, 165
 - indigenous 239, 242
- Sacrobosco, Johannes 13, 56, 63–64, 68, 73
- sailing directions 9, 20, 24, 30, 34, 36, 37, 101, 152–153. *See* rutters
- Samym Islands 228
- Sawakin 230
- Schöner, Johann 23
- scientia* 195, 200, 204, 206
- scientific revolution 208
- Sea
 - currents 9, 35, 64, 82, 132, 151, 178, 186–187, 189, 217, 224, 228, 230, 257, 258
 - winds 10, 35, 73, 77, 151, 166, 178, 180, 186–187, 189, 217, 230, 256, 258–259
- Sea of Mecca 230
- seafaring Instructions 219. *See* rutters
- seamanship books *See* livros de marinharia
- Sebastião (King of Portugal) 109–110, 123, 130, 158, 162
- Selden, John 98
- Semedo, João Curvo 33
- Seville 52, 65, 67, 76, 106, 122, 176, 181, 183–184, 207
- ship 30, 35, 51, 102, 105, 108, 110, 111, 181, 187, 229, 257
 - aviso* 100, 102–103
- shipbuilding 145, 152, 255
 - books 26
- shipwreck
 - accounts 26, 30–31, 39, 129*n*46
 - Santo Alberto 30
- Silva, Nuno da 21, 121
- Society of Jesus 159, 161. *See* Jesuit
- Socotra 226, 229, 234, 242
- Sofala 224
- Sohar 228
- Solomon 196
- Sousa, Gabriel Soares de 14, 33–34, 130, 145, 162–163
- Sousa, Martim Afonso de 159
- Sousa, Pero Lopes de 159
- Spain
- Spanish Indies 53
- star 77, 232
 - altitudes 233
 - North Star 61–62, 66,
 - compass 82
- stellar compass rose 234
- Suares, Rodrigo 104
- Suez 223–224
- Summa Oriental* 224
- sun
 - altitude 53, 61–63, 70–71, 72, 188, 233
 - declination 53, 57, 61–63, 66–67, 70, 72, 84
 - regiment of 63, 73, 77
 - position 54, 56, 61–63, 70, 85, 250
 - rise and set 74, 181–182
 - right ascension 82
- tables (astronomical) 10, 13, 37, 58, 61–63, 65–67, 70, 71, 73, 76, 78, 82, 85
- Tartaglia, Niccolò 206
- Technoscience 204–205
- Teixeira, Luís 126, 130–131
- Theodosius 210
- Thévenot, Melchisédech 38
- Thevet, André 20–21
- Timaeus* 196, 209–211
- Tordesillas
 - Treatise of 96–97
 - meridian 186,
 - anti-meridian 237
- Turkish 198
 - fleet 223, 236
 - galleons 237
- Urbina, Juan de 125–126, 130
- ‘ulūm* 200–201, 204,
- Vasconcelos, Jorge Ferreira de 252–253, 263
- Villalobos, Ruy López de 33
- Vinci, Leonardo da 205
- Vishvakarman 196
- Vitruvius 204, 209
- Waghenaer, Lucas 80–82, 128, 132
- Warburg, Aby 197
- Welwood, William 98
- wooden board 232–233
- Yemen 199, 214, 220
- Zacuto, Abraham 70
- Zanzibar 221, 224