Index

Akademik Shokalskiy, 2, 39, 108, 134, 247
Antarctic governance, 257
Antarctic Environmental Protocol, 14, 25, 27, 29, 34, 48, 96, 109, 200, 202, 203, 204, 205, 207, 208, 209, 225, 226, 260
Antarctic Treaty, 13, 24–26, 28, 29, 46, 73, 110, 199, 200
Antarctic Treaty Consultative Meetings, 28, 48
Antarctic Treaty Consultative Parties, 26, 27, 28, 29, 30, 198, 199, 202, 211
Antarctic Treaty System, 24, 51, 95, 190, 198, 202, 211
Antarctica
Cold War, 24, 29
fishing, 27
governance, 11
military, 28, 70, 198
resources, 11, 27, 33
science, 26, 30
sovereignty, 23–25, 28–29
tourism, 27
Antarctica 2049, 33, 134, 166
Antarctica: We’re Here!, 43, 266
Arctic
Cold War, 10
governance, 17–23
resources, 10
sea route, 62, 63, 86
security, 10
shipping, 10
sovereignty, 15, 20
Arctic Circle, 22–23, 178, 227
Arctic Council, 13, 17, 19, 22, 23, 31, 39, 50, 57, 104, 124, 125, 177, 178, 195, 196, 222, 230, 233, 251, 260
Arctic Environmental Protection Strategy, 50
Arctic fishing, 219
Arctic Regional Hydrographic Commission, 177
Arctic Treaty, 21
Argentina
Antarctica, 11, 23, 28, 50, 70, 156, 157, 159, 167, 179, 200, 215, 234, 235, 263
ASEAN Regional Forum, 22
Asian Forum for Polar Science, 178, 226, 260
Asian Infrastructure and Investment Bank, 226, 251
Australia
Antarctica, 8, 11, 23, 25, 28, 37, 38, 50, 52, 57, 95, 97, 102, 104, 105, 117, 125, 127, 128, 144, 156, 157, 159, 173, 175, 176, 179, 187, 192, 200, 202, 209, 210, 212, 215, 221, 222, 226, 229, 234, 242, 260, 265
Barents Euro-Arctic Council, 23
Beijing Laurel Films, 33
Belarus
Antarctica, 27
Brazil
Antarctica, 23, 28, 70, 157, 202, 230
Brubaker, R. Douglas, 62
Bulgaria
Antarctica, 27
C’ISR, 15, 107, 109
Canada
Arctic, 17, 18, 67, 68, 86, 177, 193, 194, 197, 219
<table>
<thead>
<tr>
<th>Index</th>
<th>269</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cape Horn, 63</td>
<td></td>
</tr>
<tr>
<td>Cape of Good Hope, 63</td>
<td></td>
</tr>
<tr>
<td>Chen, Lianzeng, 31, 57, 103, 185, 221, 262</td>
<td></td>
</tr>
<tr>
<td>Chen, Yugang, 110</td>
<td></td>
</tr>
<tr>
<td>Chen, Yun, 52</td>
<td></td>
</tr>
<tr>
<td>Cheng, Baozhi, 197</td>
<td></td>
</tr>
<tr>
<td>Chile</td>
<td></td>
</tr>
<tr>
<td>Antarctica, 11, 23, 28, 50, 52, 53, 58, 70, 104, 125, 157, 159, 167, 176, 179, 200, 215, 230, 234, 265</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td></td>
</tr>
<tr>
<td>“near Arctic” state, 226</td>
<td></td>
</tr>
<tr>
<td>Antarctic astronomy, 112</td>
<td></td>
</tr>
<tr>
<td>Antarctic aviation, 144, 145, 149, 150</td>
<td></td>
</tr>
<tr>
<td>Antarctic bioprospecting, 100</td>
<td></td>
</tr>
<tr>
<td>Antarctic environmental protection, 207–17</td>
<td></td>
</tr>
<tr>
<td>Antarctic fishing, 97–100</td>
<td></td>
</tr>
<tr>
<td>Antarctic governance, 198–200, 264</td>
<td></td>
</tr>
<tr>
<td>Antarctic land transportation, 158</td>
<td></td>
</tr>
<tr>
<td>Antarctic mapping, 103</td>
<td></td>
</tr>
<tr>
<td>Antarctic meteorites, 54, 110</td>
<td></td>
</tr>
<tr>
<td>Antarctic resources, 27, 37, 45, 48, 49, 54, 71, 87–97, 102, 136, 149, 201–7</td>
<td></td>
</tr>
<tr>
<td>Antarctic site naming, 55</td>
<td></td>
</tr>
<tr>
<td>Antarctic sovereignty, 49, 55, 120, 100</td>
<td></td>
</tr>
<tr>
<td>Antarctic telecommunication, 158</td>
<td></td>
</tr>
<tr>
<td>Antarctic Treaty, 45–46, 49, 51, 77</td>
<td></td>
</tr>
<tr>
<td>Antarctic Treaty Consultative Meetings, 51, 53, 58, 187</td>
<td></td>
</tr>
<tr>
<td>Antarctica and military use, 47, 75, 76, 77, 108, 109, 110, 111, 131–32, 149, 157</td>
<td></td>
</tr>
<tr>
<td>Antarctica and nuclear technology, 134, 135</td>
<td></td>
</tr>
<tr>
<td>Arctic Affairs Coordination Group, 119</td>
<td></td>
</tr>
<tr>
<td>Arctic Council, 17, 57</td>
<td></td>
</tr>
<tr>
<td>Arctic environmental protection, 218–19</td>
<td></td>
</tr>
<tr>
<td>Arctic fishing, 97–100</td>
<td></td>
</tr>
<tr>
<td>Arctic governance, 50, 58, 106–98, 264</td>
<td></td>
</tr>
<tr>
<td>Arctic iceberg station, 167</td>
<td></td>
</tr>
<tr>
<td>Arctic iceberg stations, 151</td>
<td></td>
</tr>
<tr>
<td>Arctic military, 47, 50</td>
<td></td>
</tr>
<tr>
<td>Arctic resources, 49, 87–97, 201</td>
<td></td>
</tr>
<tr>
<td>Arctic sea route, 10, 61–70, 118, 193, 239</td>
<td></td>
</tr>
<tr>
<td>core national interests, 6</td>
<td></td>
</tr>
<tr>
<td>Department of Boundary and Ocean Affairs, 57</td>
<td></td>
</tr>
<tr>
<td>foreign policy, 239–45, 247–52</td>
<td></td>
</tr>
<tr>
<td>global governance, 104, 236, 246, 252–53</td>
<td></td>
</tr>
<tr>
<td>global order, 2, 5, 66, 239, 256, 264–66</td>
<td></td>
</tr>
<tr>
<td>global power, 4, 7, 12, 15, 40, 226, 236, 239–45, 254–56, 267</td>
<td></td>
</tr>
<tr>
<td>Iceland, 175–76</td>
<td></td>
</tr>
<tr>
<td>information management, 34–35, 36–37</td>
<td></td>
</tr>
<tr>
<td>international image, 40, 53</td>
<td></td>
</tr>
<tr>
<td>International Seabed Authority, 20</td>
<td></td>
</tr>
<tr>
<td>Marine Protected Areas, 104, 121, 181, 200, 210, 212–17</td>
<td></td>
</tr>
<tr>
<td>maritime strategy, 3, 13, 64, 71, 72, 74, 75, 76, 77, 79, 120, 121, 220, 226–38, 241</td>
<td></td>
</tr>
<tr>
<td>maritime xitong, 3, 100, 116, 117, 118</td>
<td></td>
</tr>
<tr>
<td>National Antarctic Expedition Committee, 51, 53</td>
<td></td>
</tr>
<tr>
<td>new polar icebreaker, 135, 155</td>
<td></td>
</tr>
<tr>
<td>nuclear deterrence, 70–87, 225, 229</td>
<td></td>
</tr>
<tr>
<td>nuclear warheads, 74, 79, 80</td>
<td></td>
</tr>
<tr>
<td>party-state relations, 114–16, 250</td>
<td></td>
</tr>
<tr>
<td>polar air routes, 69–70</td>
<td></td>
</tr>
<tr>
<td>polar and China Inc., 132–36</td>
<td></td>
</tr>
<tr>
<td>polar aviation, 154</td>
<td></td>
</tr>
<tr>
<td>polar budgets, 163–71</td>
<td></td>
</tr>
<tr>
<td>polar bureaucracy, 118–32</td>
<td></td>
</tr>
<tr>
<td>polar capacity, 2, 3, 40, 53, 55, 56, 58, 178–85, 266–63</td>
<td></td>
</tr>
<tr>
<td>polar capacity, perceptions, 9, 39–42, 229–36</td>
<td></td>
</tr>
<tr>
<td>polar drones, 153, 166</td>
<td></td>
</tr>
<tr>
<td>polar expeditions, 153</td>
<td></td>
</tr>
<tr>
<td>polar history, 43–59</td>
<td></td>
</tr>
<tr>
<td>polar information management aimed at domestic audiences, 42–43, 187–89, 221</td>
<td></td>
</tr>
<tr>
<td>polar information management aimed at foreign audiences, 37–42, 51, 222</td>
<td></td>
</tr>
<tr>
<td>polar international collaboration, 175–76, 223, 229–36</td>
<td></td>
</tr>
<tr>
<td>polar leadership, 183–86</td>
<td></td>
</tr>
<tr>
<td>polar policies, implications, 258–61</td>
<td></td>
</tr>
<tr>
<td>polar remote sensing, 110, 145, 147, 152, 156</td>
<td></td>
</tr>
<tr>
<td>polar research, 171–75</td>
<td></td>
</tr>
<tr>
<td>polar rights and interests, 31–32, 190, 222</td>
<td></td>
</tr>
<tr>
<td>polar science, 102–13</td>
<td></td>
</tr>
<tr>
<td>polar sovereignty, 189–96</td>
<td></td>
</tr>
<tr>
<td>polar strategy, 7–8, 15, 34–35, 53, 54, 55, 59, 120, 124, 202–20</td>
<td></td>
</tr>
<tr>
<td>polar terminology, 41</td>
<td></td>
</tr>
<tr>
<td>polar tourism, 101–2</td>
<td></td>
</tr>
<tr>
<td>polar transportation routes, 70</td>
<td></td>
</tr>
<tr>
<td>Ross Sea base, 58, 110, 128, 135, 146–49, 154, 166, 191</td>
<td></td>
</tr>
<tr>
<td>State Oceanic Administration, 31, 46, 48, 50, 53</td>
<td></td>
</tr>
<tr>
<td>strategic frontiers, 7, 60, 95, 255</td>
<td></td>
</tr>
<tr>
<td>submarines, 74, 80, 82, 83, 84, 85, 225</td>
<td></td>
</tr>
</tbody>
</table>
Index

China Arctic and Antarctic Administration, 34, 54, 57, 122, 123, 134, 137
China Boulevard, 159
China National Petroleum Company, 94
China National Space Administration, 2
China Nonferrous Metal Industry, 94
China Ocean Mineral Resources Research and Development Association, 95
China Ocean Shipping (Group) Company (COSCO), 67, 133
China threat, 40, 227, 247
China’s Great Wall, 161, 211
China’s Management District, 161, 211
China-Iceland Joint Aurora Observatory, 58, 111, 150, 165, 167
Chinese Academy of Sciences
Polar Science Committee, 54
Chinese Advisory Committee for Polar Expeditions, 121
Chinese Advisory Committee for Polar Research, 54, 121, 123
Chinese Polar Science Database System, 125
chokepoints, 10, 28, 61, 62, 64, 73, 75, 76, 85, 143, 237
civil-military use
Antarctica, 28
collapse thesis, 224
Commission for the Conservation of Antarctic Marine Living Resources, 27, 97, 104, 203, 213
Convention on the Conservation and Management of Pollock Resources, 21
Convention on the Conservation of Antarctic Marine Living Resources, 97
Convention on the Regulation of Antarctic Mineral Resource Activities, 34, 44, 202, 203, 205
Council of Managers of National Antarctic Programs, 26, 125, 170
Daniels, Paul, 24
Deng, Xiaoping, 52, 217, 239, 246, 251
Denmark
Arctic, 1, 17, 18, 19, 84, 95, 101, 105, 175, 193, 197, 219, 233, 260
Dong, Yue, 192
Dong, Zhiqian, 172
Du, Wenlong, 78
Duilles, John Foster, 24
East Antarctic Sector, 110, 159, 191
European Union
Antarctic, 179
Arctic, 57, 193, 226, 260
Fang, S3
Finland
Arctic, 1, 17, 53, 84, 101, 105, 164, 175, 233, 260
Five Eyes, 113
Fort Greely, 10, 80, 84
framing theory, 35
France
Antarctica, 11, 23, 28, 104, 142, 146, 159, 161, 167, 176, 202, 209, 213, 235, 251, 260
Arctic, 17, 57
friends of China, 41
Gamburtsev Mountains, 106, 158, 234
General Nice, 94
Geng, Biao, 92
Germany
Antarctica, 11, 146, 176, 179, 215, 260, 263
Arctic, 17, 57
global order, 256, 257
Great Wall Station, 42, 51, 52, 53, 56, 108, 128, 140, 141, 164, 183, 210
Greenland, 16, 67, 80, 91, 94, 95, 175, 193, 233, 259, 260
Group of 77, 226
Grove Mountains, 54, 55, 106, 110, 144, 145, 158, 210, 212
Guo, Kun, 187
Guo, Peiqing, 40, 67, 172, 204
Hao, Xiaoguang, 4, 255
Hu, Jintao, 76, 117, 237, 251
Hua, 47
Huang, Nubo, 2, 34, 101, 151
Hydrographic Commission on Antarctica, 176
Iceland
Antarctica, 27
Arctic, 17, 20, 22, 34, 66, 105, 175, 193, 230, 260
Ilulissat Declaration, 18, 20, 21, 194
India
Antarctica, 27, 28, 178, 202, 210, 226, 265
Arctic, 57
Indonesia
Antarctica, 226
Inexpressible Island, 146, 148
Index

International Arctic Science Committee, 23, 54, 176
International Arctic Social Sciences Association, 23
International Association of Antarctica Tour Operators, 27
International Convention for the Regulation of Whaling, 20, 26
International Geophysical Year, ix, 44, 45, 142
China, 45–46
International Hydrographic Organization, 21, 177
International Maritime Organization, 177
International Seabed Authority, 20, 95, 177, 194, 196
International Tribunal for the Law of the Sea, 19
Iran
Antarctica, 27
island chain strategy, 52, 72–75
Italy
Antarctica, 148, 171
Arctic, 17
Jakobson, Linda, 38, 39, 118, 119, 195
Japan
Antarctica, 11, 50, 54, 89, 105, 111, 161, 176, 178, 179, 184, 200, 215, 226, 263
Arctic, 17, 21, 57, 119, 177
Arctic sea route, 10
maritime policy, 62, 64, 73, 74, 85, 121, 241, 243
whaling, 27
Japanese Self-Defense Forces, 62
Jiang, Zemin, 251
Joyner, Christopher C. 21, 203
Kavanagh, Andrea, 216
Kazakhstan
Antarctica, 27, 226
Khrushchev, Nikita, 82
Kiruna satellite receiving station, 152, 166, 167
Korea
Antarctica, 27, 125, 149, 149, 176, 178, 179, 181, 215, 226, 230, 260, 263
Arctic, 17, 21, 57, 177
Arctic sea route, 10
Kunlun Station, 56, 58, 108, 111, 113, 128, 133, 142, 143, 144, 145, 156, 162, 165, 166, 167, 174, 211
Laurel Industrial, 33, 134, 196
Lewis, John Wilson, 47
Li, Keqiang, 134
Li, Shenggui, 56
Li, Zhenfu, 40, 64
Ling, Xiaoliang, 88, 203, 206
Liu, Cigui, 179, 184
Liu, Hairong, 192
Liu, Huaqing, 52, 74, 237
Liu, Xiaobo, 231
Liu, Xiaohai, 177
Lu, Wenzhang, 177
Luo, Yuan, 78
Mackinder, H. J., 5
Mahan, Alfred T., 7, 72, 237, 238
Malacca Strait, 10, 62, 63, 68, 92
Malaysia
Antarctica, 27, 30, 53, 178, 226
Mao, Zedong, 45, 48, 55, 82, 116, 241, 265
Maritime Affairs Leading Group, 117
Maritime Rights Office, 117
McMurdo–South Pole Highway, 159
Miyako Strait, 61, 62
Mongolia
Antarctica, 27, 226
national narratives, 35, 188
Netherlands
Arctic, 17, 57
new geopolitics, 5, 6, 61, 256–58
New Silk Road, 3, 66, 94, 117, 226, 239, 245, 251, 265
New Zealand
Nordic Council, 23
Northern Forum, 23, 178
Norway
Antarctica, 8, 11, 23, 28, 158, 159, 215, 260
Arctic, 17, 18, 20, 66, 67, 105, 175, 197, 219, 230, 233, 260
Ny–Ålesund Science Managers Committee, 22
Obama, Barack, 247
Ocean 6, 58, 84
Ostreng, Willy, 62
Osumi Strait, 85
Pacific Arctic Group, 177
Pacific Northwest Economic Region Arctic Caucus, 23
Pakistan
Antarctica, 27, 226
Pan, Min, 36
Panama Canal, 28, 61, 62, 63, 65, 68
Peng, Jinghao, 39, 105, 245
People's Liberation Army-Navy, 1, 15, 52, 68, 71, 74, 75, 78, 79, 83, 84, 85, 110, 158, 225
Philippines
Antarctica, 226
PLA, 4, 15, 70, 72, 74, 75, 76, 77, 78, 79, 82, 86, 107, 108, 109, 117, 130, 131, 134, 157, 158, 225, 236, 244, 255, 258
Poland
Arctic, 17, 57
polar code, 19, 21, 26
Polar Environment Comprehensive Investigation and Assessment Program, 93, 99, 105, 124
polar powers, 2, 3, 4, 6, 12, 38, 53, 57, 118, 119, 126, 137, 140, 146, 153, 163, 179, 180, 230, 231, 235, 243, 253, 255, 258, 259, 261, 262
Polar Research Institute of China, xviii, 33, 39, 53, 57, 58, 71, 84, 87, 88, 89, 93, 124, 126, 127, 128, 129, 130, 133, 136, 150, 151, 165, 179, 183
Polar Special Project Office, 124
Qin, Weijia, 33
Qu, Tanzhou, 34, 145, 146, 155, 162, 184
Romania
Antarctica, 176, 210
Ross Dependency, 52, 146
Rudmose-Brown, R.N., 49
Russia
Antarctica, 11, 27, 28, 142, 156, 158, 176, 179, 192, 200, 213, 216, 224, 260
Arctic, 6, 17, 18, 66, 67, 68, 86, 95, 175, 177, 193, 194, 197, 230
Arctic military, 10, 69
China, 49, 223
nuclear warheads, 79
polar capacity, 9, 57, 76, 181
polar policy, 8, 219
Scientific Committee on Antarctic Research, 26, 50, 125, 176
Scott Base, 50
Scott-Amundsen Base, 73, 143
Shanghai Cooperation Organization, 226
Shi, Chunlin, 64, 68
Singapore
Arctic, 17, 119
16+1 China-European Initiative, 226
South Africa
Antarctica, 23, 156, 171
Southeast Cape, 63
Soya Strait, 85
Spain
Arctic, 17, 57
Spitsbergen Treaty, 21, 22, 110, 193
China, 22, 44
State Oceanic Administration, 79, 95, 120–21
Suez Canal, 28, 61, 63, 65, 68
Sun, Bo, 146
Sun, Kai, 67
Sun, Yatsen, 72, 141, 162
Sweden
Antarctica, 167, 215
Arctic, 1, 17, 84, 101, 152, 165, 166, 233, 260
Taishan Station, 57, 58, 128, 144, 156, 159, 162, 166, 167
Tang, Jiayi, 100, 215
Thailand
Antarctica, 141, 178, 226
To the Oceans, 64
Tsukishima Strait, 85
Tsuruga Strait, 85
Turkey
Antarctica, 27
Ukraine
Antarctica, 213, 260
UN Convention on the Law of the Sea (UNCLOS), 19, 20, 26, 68, 85, 102, 193, 196
UN Commission on the Limits of the Continental Shelf, 28
UN Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter, 20
UN Fish Stocks Agreement, 20
UN Food and Agriculture Organization, 20
UN Framework Convention on Climate Change, 19
UNEP, 19, 20
United Kingdom
Antarctica, 8, 11, 23, 50, 57, 104, 105, 125, 127, 158, 167, 176, 179, 184, 191, 200, 209, 213, 215, 234, 235, 260, 263
Arctic, 17, 57
Index

World-Island, 5
Wu, Jun, 139, 153, 184, 206
Wu, Yilin, 101, 200, 208, 210
Xi, Jinping, 3, 6, 7, 37, 38, 43, 58, 59, 76, 114, 116, 117, 119, 179, 184, 206, 217, 218, 221, 222, 223, 224, 225, 231, 236, 237, 239, 240, 241, 244, 247, 248, 251, 255
Xie, Zichu, 45, 48, 50
Xu, Shijie, 103
Yan, Qide, 88, 203, 204, 206
Yang, Huigen, 39, 87, 102, 115, 127, 171, 178, 183, 218
Yellow River Station, 55, 111, 149, 167, 173, 218
Yin, Zhuo, 77, 194, 249
Zhang, Xia, 65, 91, 220
Zhang, Zhanhai, 36
Zhang, Zhaozhong, 78
Zhao, Ziyang, 52
Zhejiang Ocean Station, 53, 55, 56, 58, 108, 111, 125, 131, 141, 142, 144, 148, 164, 167, 174, 207
Zhou, Enlai, 251
Zhou, Tianyong, 109
Zhu, Jiangang, 88, 203, 206
Zhu, Kezhen, 45
Zoellick, Robert, 246
Zou, Keyuan, 41, 172, 190, 202

United Nations Commission on the Limits of the Continental Shelf, 19, 20, 95, 177, 191, 193, 197, 200, 224, 225
University of the Arctic, 175
Uruguay
Antarctica, 179, 202
US Pacific Command, 73
United States
Antarctic policy, 24, 46, 184, 210
Antarctica, 11, 50, 104, 125, 127, 142, 148, 156, 158, 161, 167, 176, 179, 192, 200, 209, 213, 215, 260
Antarctica and military use, 28, 70, 157
Arctic, 17, 18, 67, 68, 175, 177, 194, 197
Arctic military, 10, 67, 69
China and the polar regions, 1
freedom of navigation, 1, 74
military pacts, 47, 72
nuclear policy, 85
nuclear strategy, 83
nuclear warheads, 74, 79
polar capacity, 6–7, 9, 57, 76, 181
polar policy, 8, 47, 210, 222
Van Dyke, Jon M., 22
vertical world map, 4, 5, 255
Victoria Land Permanent Base, 146
Vietnam
Antarctica, 226
Wang, Wanlu, 110
Wang, Xiemei, 172
World Winter Cities Association for Mayors, 23, 178