

Index

- Aachen 149, 292
ABILDGAARD, Peter Christian 249
Académie royale des sciences 170, 328
academy 110, 122, 130, 152, 154, 235
accident (history of geology) 89, 188, 281
ADAIR, William 206
ADAMS, John 95, 216
Adorf 131
Adriatic Sea 117
Aeolian Islands 88, 102
aerosol 10, 14, 121–122
Africa 1, 4–5, 14, 212–213, 266, 285, 289
aftermath 2–3, 7–8, 13, 23, 29, 33–35, 60, 78, 81, 87,
101–102, 104, 123, 138, 153, 164, 204, 223–224,
245–246, 250, 257, 269–270, 282, 288, 295
agriculture 49, 52, 55, 83, 106, 203, 205, 211, 283,
297, 306
ague 151
AHLWARDT, Peter 139
aid 56, 82–84, 87, 106, 117, 221, 224, 284, 293
air traffic 293
Airborne Volcanic Object Imaging Detector
(AVOID) 294
AL-MUSABI, Muhammad b. Yusef 212
Alaska 13, 15–16, 205, 210–211
albedo effect 10, 12, 21
Albertus Magnus 89
Aleppo 115
ALEXANDER, Bethia 143
Alice Springs 266
almanac 32, 206–207
Alpha Ridge 35
Alps, the 117, 146, 258, 291
Altai Mountains 115, 205, 214
Althing 47, 50
ALVUS, John 158
American Revolutionary War 94–96, 152
Andechs 111, 133
ANDERSON, Johann 241
ANDERSON, Tempest 277–278
animal 18, 49, 52, 55, 58, 59, 64, 69, 73–76, 78,
82–83, 87, 98, 118, 125, 136, 151, 163, 218, 228,
236, 283–284
Ankara 134
Annapolis 96
Annonay 1, 97
annus mirabilis 94, 160
anomaly 21, 49, 109, 135, 217
anonymous 30, 121, 130–131, 138–139, 152, 184,
194, 210, 222, 230
Antarctica 5, 15, 21
Anthropocene 21
anthropogenic climate change 16, 18, 21, 34,
296–297, 306
anticyclone 134
Antilles 150
Antwerp 168
archives of nature 13, 20
archives of society 20
Arctic 5, 15, 35, 210–211, 238, 283, 285
Arctic Circle 211, 238, 283
Arctic Ocean 35
Ardennes 164
aridification 303
Aristotle 89, 187, 188
Asama 5, 214–215, 283
ash 2, 6, 9, 10, 41, 51, 55, 63, 65, 73–74, 103, 115,
123, 128, 138, 198, 202, 204, 235, 242, 248, 251,
260, 265–266, 269, 284, 293–294, 298
Asia 1, 4, 213
Askja 52
asthma 122, 125–126, 128, 153, 297
astrology 23
astronomy 23, 195, 240
Atlantic Ocean 61, 116
atmosphere 1–2, 9, 10–11, 15, 21, 33, 35, 89, 100,
118, 126–127, 132–136, 147, 162–163, 174,
186–187, 191, 195–196, 201, 204, 207, 212–213,
235–236, 260, 265–266, 269, 271–272, 283,
291, 297
AUBERT, Alexander 192, 194
Augsburg 29–30, 176, 182, 184, 199, 224, 232
Australia 266–267
Austria 131, 144, 147–148, 225, 230, 232, 291
Austrian Netherlands, *see* Netherlands
authority 30–31, 53, 142, 165, 190, 245
autobiography 28–29, 62, 65, 67, 78, 86
autumn 1, 47, 54, 76–77, 79–80, 82, 108, 125, 140,
150–151, 159, 164, 187, 234, 284, 295
Avignon 270
Azores 13, 100, 109, 116
Azores High 13

- BACHE, Richard 227
 Baffin Island 37
 Baghdad 115
 ballomania 94, 97
 Baltic Sea 116–117
 Bamberg 109, 199–200, 224
 BANKS, Joseph 3, 97, 107, 193, 243, 258–259
 Barcelona 200
 Bárðarbunga 15, 26, 42, 45, 47, 51, 305, 307
 BÁRDARSON, Guðmundur G. 4
 BARDILL, Christoph Gottfried 91, 162, 187, 189, 198
 BARKER, Thomas 121, 161, 191, 220
 barometer 32, 93, 111, 173, 197, 253
 barter 54
 Basel 146
 Batavia (Jakarta) 266–267, 271
 Bavaria 111, 114, 143, 146, 235–236
 Bavarian Academy of Sciences and Humanities
 (Bayerische Akademie der
 Wissenschaften) 110, 122, 130, 152
 Bayreuth 182
 BECK, Johannes 209
 Bede the Venerable 89
 Bedfordshire 150, 152
 BÉGUELIN 114
 Belgium 191, 306
 Belmont Castle 155
 Bentheim 226
 Berlin 30, 114, 131, 133, 136, 144, 154, 157, 164, 174,
 176, 184, 186–187, 199
 Bermuda 229
 Bern 117–118, 199
 BEROLDINGEN, Franz von 157, 163, 171, 173–174, 187
 Besançon 186
 Bible 167, 169, 259–260
 biblical Flood 25, 90, 281
 Bienne 117
 bird 49, 74, 108, 211, 218
 bishop 55, 76, 79, 86, 168, 243
 BJARNADÓTTIR, Þórunn 257
 Black Death 53, 97
 BLAGDEN, Charles 195
 Boesand 107
 Bohemia 138, 159
 Boston 189, 205, 208, 228
 botany 243, 250
 Botnahraun 276
 BRAHE, Tycho 195
 BRÄKER, Ulrich 140, 218
 BRANAGIN, James 209
 Bratislava 160
 breathing difficulties 16, 73, 123, 126, 184
 Breslau 30, 199
 Brest 173
 Brieg 136, 138
 BRIGHT, Richard 259
 Britain, *see* Great Britain
 Brittany 152
 British and Foreign Bible Society 259
 British Isles 37, 46, 191, 240
 British Krakatoa Commission 267–269, 288
 Brno 159
 brouillard sec 113, 165
 BRUGMANS, Sebald Justinus 122–124, 174, 197, 204
 Brussels 122, 191, 199
 BUISSART 121
 Burgundy 147
 burial records 150, 152–153, 295
 Burning Mountain (Brennender Berg) 90, 174,
 178–180
 Cairo 213
 Caithness 115, 265
 Calabria 1, 16, 100, 102–108, 146, 150, 159–160, 164,
 173, 185–189, 200–203, 208, 221, 235, 265,
 282, 289, 296–297
 Calais 121, 168, 191
 calamity 23, 58, 85, 101, 284
 caligine 113
 Cambridge 127, 155, 206
 Canada 33, 37, 84, 205
 Caribbean 115, 229
 CAROLUS, Johann 29
 cassa sacra 106
 catastrophe 23, 26, 85, 224, 248, 262, 271, 284, 300
 Catherine the Great 97
 Catholic 53, 140, 168
 cattle 49, 51, 70, 73, 76, 80, 215, 260, 277, 284
 CAVALLO, Tiberius 194
 Cenozoic 177
 censorship 30, 153, 183
 cereal 77
 Channel, the 121, 191, 216
 Charles Theodore, Prince-elector and Count
 Palatine, Duke of Bavaria 111, 141
 CHARLES, Jacques 97, 99
 Charleston 228
 chemistry 9, 89

- cherry blossom 218
- Chesapeake Bay 228
- China 5, 115, 134, 150, 205, 214–215, 285
- chocolate (hraun) 302
- CHRIST, Johann Ludwig 164
- Christian IV 53
- Christian VII 59, 97, 108–109
- Christianity 50
- chronicle 20, 51, 122, 161, 164, 166, 212, 215, 285, 289
- church 24, 31, 53–55, 61–62, 64, 68–69, 78–80, 83, 101, 106, 132, 138–141, 143, 168, 176, 198–199, 208, 223–224, 260, 284, 298
- civil protection 295–297
- clergy 55, 58, 120–121, 171
- climate 5–6, 9–14, 18–22, 25, 27–28, 33–35, 42, 46, 49, 53–54, 86, 214, 220–221, 233–235, 283, 291–293, 296–297, 302, 304, 306–307
- climate change 18–20, 22, 34, 86, 296–297, 306–307
- climate forcing 10, 12, 14, 235
- climate history 19–22, 25, 234, 291–293
- climate modeling 10, 12–14, 42
- climate variability 12–13, 19, 110, 234
- climatology 19, 94
- Club of Rome 18
- Coevorden 125
- collapse 20, 43, 64, 68, 72, 79, 84, 104, 176, 181, 218, 288, 304
- Cologne 146, 222–223
- colonialism 50–54, 198, 243, 270, 284
- comet 88, 161, 195, 204, 236, 269, 296
- Common Era 21, 165
- Concord 207
- cone 2, 66–67, 90, 177, 253, 262, 281
- conflict 30, 46, 85, 94, 186, 259, 281, 304
- Congress 95–96, 228
- connected histories 27
- Connecticut 207–208
- conservation 18, 299
- Constantinople 134
- continental crust 36, 41, 291
- continental drift 289–290
- COOK, James 243
- cooling 5, 10, 12–14, 21, 135, 210, 212–215, 232, 293, 296
- COOPER, William 191
- Copenhagen 53, 58–59, 77, 81–84, 87, 114, 133–134, 155, 198–199, 201–202, 240, 242, 245, 248, 250–253, 256, 264, 284, 288
- COPERNICUS, Nicolaus 26
- coping 170
- correspondence 3, 28–30, 34, 58, 66, 81, 100, 106, 108, 145, 147, 152, 166, 169, 174, 176–178, 181–182, 184, 187, 194, 196–197, 199–200, 203, 206–207, 216–217, 227, 229–230, 243, 245, 248, 251, 256, 263, 277, 285, 297
- correspondent 29–30, 100, 121, 123, 131, 136, 138–139, 152–153, 157, 164–166, 173, 176–178, 182–185, 189–190, 195, 198, 230
- Cottaberg 1, 175–180, 182, 184, 282
- Cottaer Spitzberg, *see* Cottaberg
- cough 122, 128, 231
- cow, *see* cattle
- COWPER, William 151, 166, 289
- crater 2, 44, 66–67, 109, 175, 252–254, 264, 272–274, 276–279, 304
- Cretaceous 35
- Créteil 129
- crisis 8, 20, 54, 81–82, 106, 130, 150–151, 159, 170, 211, 234, 283–284, 295
- crop failure 159, 211–212
- CULLUM, John 121
- CUTLER, Manasseh 155
- Czech Lands 16, 138–139, 146, 232, 234
- DE POEDERLÉ, Eugène-Joseph D'OLMEN, Baron 122, 152, 158, 203–204
- Dalkeith 158
- Dalton Minimum 22, 234
- DALTON, John 22
- Danish central administration 58, 63, 81–82, 240, 245, 284
- Danish Crown 29, 53–56
- Danish Natural History Society 3, 249, 252, 256–257
- Danish Royal Society 242
- Danube River 221, 225, 232
- data 5, 8, 13–14, 18, 20, 24, 26–27, 32, 80, 86, 92, 94, 127, 134, 156, 163, 212, 232–233, 250, 269, 290
- death 8, 18, 35, 51, 53, 57, 59, 62, 74, 76–77, 79–80, 84, 86–87, 101, 151–153, 161, 165, 211, 213, 229, 232, 266, 295
- Deccan Traps 16
- deep geological time 16, 19, 25–26, 93, 283
- Delaware 206
- Delaware River 227
- DELUC, Jean-André 25, 118

- dendrochronology 212
 Denmark 52–54, 56, 59, 77, 82–83, 87, 96–97,
 108–109, 115, 202, 220, 240, 245–246, 250,
 267, 271–272
 desertification 49, 303
 Dessau 30, 182
 diet 48–49, 52
 Dijon 133, 147, 149–150, 186
 dinosaur 35
 disaster 1–2, 17, 20, 22–23, 25, 63–64, 81, 85, 176,
 211, 284, 289, 297, 307
 disaster history 17, 22–23
 discourse analysis 17, 25, 286–287
 discovery 3, 24, 26–27, 46, 50, 89, 94, 107, 131, 163,
 289, 298
 disease 2, 9, 53–58, 73–74, 84, 106, 122, 130,
 150–152, 172, 202, 215, 284
 district governor 86
 Djerba (island) 212
 Djúpivogur 76
 Dominicus de Gravina 162
 donation 83
 DONAUBAUER, P. 114
 Dresden 31, 131, 138, 175
 drought 12, 14, 125, 132, 152, 157, 164, 206, 213,
 215, 295
 duck 98
 Dudweiler 180
 Duft 113, 162, 167, 181
 Dunkirk 191
 Dunst 113, 118, 130–131, 138, 157, 173, 185, 190,
 208, 230
 Düren 102, 146
 Düsseldorf 133, 142, 146, 167
 dust veil index (DVI) 5
 Dutch East India Company 270
 Dutch East Indies 3, 270–271, 282
 Dutch Krakatoa Commission 269, 288
 Dutch Republic 97, 115, 122, 125, 133, 149, 153, 156,
 197, 204, 220
 dysentery 74, 76, 129, 151–153, 234

 Earth 2, 7–10, 12, 21, 25–27, 35–37, 45, 65, 69, 73,
 88, 90, 113, 130, 154, 159, 167, 170, 173–174,
 177, 185–188, 191, 195–196, 200, 204, 208, 230,
 238, 255, 257, 259, 272, 282, 288–292
 earth fire 88, 202–203, 245, 247–248
 earthquake 1, 16, 23, 34, 43, 64–68, 88, 90,
 100–108, 116, 121, 138–139, 144–150, 159–160,
 163–164, 172–174, 178, 180, 183, 185–189,
 200–204, 208, 235–238, 241, 255, 262, 271,
 282, 284–286, 289, 291–292, 296–297,
 304–305
 East Greenland Current 49, 76
 Eastern Volcanic Zone 42–43, 45, 51, 61, 302, 307
 eclipse 140, 154–155, 284
 economy 51, 59–60, 80–81, 85, 246, 288, 294,
 298–299
 Edinburgh Royal Society 259
 Egypt 14, 205, 212–213, 295
 EIRÍKSSON, Jón 64, 245
 El Chichón 9
 El Niño 213, 235
 El Niño–Southern Oscillation 13, 27, 213, 234
 Elbe River 226
 Elbe Sandstone Mountains 175
 Eldfell 295, 299
 Eldgjá 47–48, 72, 274, 278, 284, 300–305
 eldrit 29, 54, 62–63, 69, 71, 75
 electricity 24–25, 89, 92, 141, 188–189, 204, 236
 emotion 1, 17, 24, 88, 160, 287
 Ems River 123
 Emsland 122–123
 end time 166–168
 England 8, 31, 96, 100, 113, 120–125, 132, 134, 137,
 149–160, 169, 189, 191–194, 206, 219, 227,
 231–232, 264, 267, 285, 295
 engraving 99, 105, 224
 Enlightenment 3, 24, 31, 34, 63, 85, 86, 89, 94, 101,
 142–143, 157, 161, 166, 169–173, 197, 238, 250,
 263, 281, 286–287, 294
 ENSO, *see* El Niño–Southern Oscillation
 entangled histories 27
 environmental history 16–19, 24–28, 291, 292
 environmental impact 4, 7, 9, 73
 Ephemerides 32, 111–112, 122, 130, 152, 178, 204,
 232, 245
 epidemics 53, 85, 213
 epizootic 55, 59–60, 283
 EPP, Franz Xaver 235–236
 erosion 41, 49, 51, 70, 83, 109, 259, 274, 303
 eschatological concern (Judgment Day) 161
 ESCHELS, Jens Jacob 115–117
 Estonia 211
 Etna 88–90, 102–104, 107, 241, 258, 276
 Eure-et-Loir 152
 Europe 1–9, 11–16, 21–24, 28, 30–34, 46, 49, 51, 55,
 58, 63, 81, 86–88, 94–97, 100, 102, 106,

- 108–118, 120, 126–128, 131–137, 141, 144–162, 164, 169–172, 177–178, 183, 187, 189, 191, 194, 198, 201, 203–205, 207–226, 228–236, 238, 240, 243, 257–258, 260, 262, 266, 269–271, 282–289, 293, 295–297, 299–300, 304, 306
- European Macroseismic Scale (EMS-98) 100
- evacuation 83
- EVZ, *see* Eastern Volcanic Zone
- expedition 3–4, 34, 82, 109, 241–243, 246, 256–259, 274, 288, 290
- Experiment 3, 85, 92, 97, 99, 141, 169, 171, 196–198, 231, 286
- explanation 1, 23–24, 31–32, 34, 87, 160, 163–164, 170–174, 180, 183, 187–188, 190, 196, 200, 204, 210, 226, 235–238, 242, 282, 286–287, 291, 296
- explosivity, *see* Volcanic Explosivity Index
- export 77, 83, 284
- eye irritation 129
- eyewitness 101, 269, 271
- Eyjafjallajökull 6, 35, 47, 293, 297
- Eyrarbakki 76
- Fagradalsfjall 16, 47, 305
- FAHRENHEIT, Daniel Gabriel 93, 129, 218
- famine 2, 4, 14, 23, 51, 57–59, 75, 77–82, 84–86, 205, 211, 213–215, 234, 246, 276, 283, 295, 306
- Far East 240
- farm 50–53, 55, 57–59, 61–71, 80–87, 138–140, 159, 171, 198, 218, 242, 257, 284
- farming, *see* agriculture
- farmstead, *see* farm
- Faroe Islands 46, 115, 202, 210, 235, 263
- fear 1, 23–24, 62, 64–65, 69, 85, 102–103, 108, 146, 149, 158, 160–161, 163, 166, 169–170, 183, 218, 222, 234, 238, 286, 294, 296
- FENTON, J. 120
- Ferdinand IV 106
- fertility 157, 159, 170, 189
- fever 129–130, 150–153, 189, 234
- Fimmvorduhals 47
- Finland 101, 211–212, 236
- Finnmark 58
- FINNSSON, Hannes 76, 79, 86, 243
- Fire District 2, 60–61, 64, 245, 248
- fire priest (eldprestur) 63, 69, 286
- fire sermon (eldmessan) 69
- fire treatise (eldrit) 29, 62
- fire-spitting mountain 88–91, 174–176, 182, 202, 247–248, 259, 304
- fireball, *see* meteor
- fires 2, 26, 43, 58, 62, 64–65, 67, 71, 88, 104, 187–188, 199–201, 204, 209–210, 237, 245, 248, 251, 254, 260, 276, 281, 283, 289, 304
- firewood 216, 220, 223–224
- FISCHER, Johann Nepomuk 171
- fish 2, 49, 52, 55, 58, 76–77, 79, 83, 86, 107, 199, 211, 242, 298
- fisherman 108, 266, 298
- flood basalt 6, 9, 15–17, 26, 45, 47–48, 51, 60, 62–63, 67, 255, 276, 284, 294, 305–306
- flood 7–8, 10, 13, 20, 23, 25, 52, 68–69, 90, 130, 153, 167, 173, 189, 213, 216, 219, 221–228, 232, 242, 250, 281, 286, 297–298, 303
- floodmark 223–224, 289
- Florence 147, 199
- fluorosis 73, 76
- fluorine 51, 73, 85, 87, 119, 121, 128–129
- Föhr 115
- food 35, 60, 74–80, 83–86, 151, 214, 216, 218, 223–224, 231, 234, 250, 297
- foraging 250
- forest fire 209, 236
- France 1, 7–8, 16, 30–32, 46, 96–97, 100, 110, 113, 120–121, 123, 125, 129, 132, 142–143, 147, 149–153, 156, 159, 161, 165–169, 173, 185–186, 191, 207, 211–212, 221, 226, 233–234, 240, 282, 294–295
- Franche-Comté 147
- Franeker 122, 133, 197, 204
- Frankenstein 262
- Frankfurt (am Main) 175–176, 181, 222
- FRANKLIN, Benjamin 3, 33, 95–99, 141, 143, 189, 196–197, 203–204, 206, 216, 219–220, 227–231
- Frederick IV 54
- Frederick the Great 96
- French Revolution 7, 96, 110, 142, 233–235, 258
- French Revolutionary Wars 111
- frequency illusion 188
- frost 71, 79–80, 120–121, 123, 126, 137, 207, 211–212, 215, 217, 219–221, 223, 227, 231–233, 248
- GALILEI, Galileo 93
- GANNETT, Caleb 206
- GEIKIE, Archibald 115, 265
- Geldingadalir 15, 305
- Geneva 114, 117–118, 133, 147, 173, 218, 235
- Genkingen 179

- geology 5–6, 25–26, 34–39, 46, 88–90, 102, 115, 188, 243, 250, 262, 264–265, 275, 278–279, 281, 283, 288, 291–292, 305
- George III 96
- Georges-Louis LECLERC, Comte DE BUFFON 101, 188, 242
- geothermal activity 45, 47, 177
- German Territories, *see* Germany
- Germany 1, 5, 7–8, 16, 29–32, 46, 92, 102, 106, 115, 117, 122, 124–125, 130–131, 134, 137–141, 143–144, 146, 148–149, 153–154, 156, 158, 160, 166, 172, 174–185, 188, 195, 198, 201, 208, 218, 221–222, 224, 226, 232, 235–236, 240, 264, 282, 285–286, 291, 294–295, 297
- geyser 238, 243
- GIßLER, D. 235
- Gjálp 305
- glacial outburst flood, *see* jökulhlaup
- glacier 21–22, 43–45, 57, 61, 64, 66, 70–72, 199, 250–256, 260, 264–265, 269, 274–277, 306–307
- glaciology 257
- Glatz 145–146
- Gleichberg 1, 7, 175–184, 187, 201, 282, 292
- global warming, *see* anthropogenic climate change
- God 69, 79, 86, 93, 100, 117, 140, 142, 168, 170, 189–190, 223, 286
- GOETHE, Johann Wolfgang von 90
- Gorgona (island) 139, 144
- Gottesberg 145–146, 178–180, 184, 282
- Göttingen 30, 114, 133, 169, 197
- governor of Iceland 56, 82
- Grand Tour 117, 258–259
- grapes 130, 157–159, 162, 168
- grass 49, 74–75, 79, 86–87, 125, 199, 202, 220, 283
- Graubünden 129, 160
- Great Britain 7–8, 16, 23, 32–33, 50, 94–96, 143, 158, 191, 194–195, 221, 243, 294–295
- Great Þjórsá Lava 45
- Greenland 2, 5, 11, 14, 21, 35–37, 39, 45, 49–50, 76, 111, 214, 264, 290
- Grímsvötn 4, 42–47, 61, 64–65, 71–72, 115, 254–255, 276, 305–307
- Grindelwald Fluctuation 22
- GRONAU, Karl Ludwig 164, 217, 230
- Groningen 115, 122, 152
- Groß Hesepe 122–125
- GROVE, Jean M. 21
- GRUMBKOW, Ina von 279–281
- Grund 120
- GUÐMUNDSSON, Jón 265
- GUERIN, H. 202
- Gulf of Mexico 229
- Gulf Stream 49, 229
- gunpowder 122, 138–139
- GUNNLAUGSSON, Björn 274
- Haakon VI 52
- Hahlrauch 114
- hail 144, 174, 189
- HALLEY, Edmond 195
- Hallmundarhraun 48
- halogen, *see* volcanic gases
- Hamburg 29–30, 123, 133, 141, 199, 222, 226, 241, 270
- HAMILTON-TEMPLE-BLACKWOOD, Frederick, Lord DUFFERIN 263
- HAMILTON, William 107
- Hanau 30, 139
- HANNESDÓTTIR, Þórunn 62, 79
- Hanseatic Trading League 53
- hardship 3, 46, 54, 78–80, 85–86, 234, 257–258, 299
- HARMER, Josiah 229
- harvest 7, 55–56, 63, 75, 78, 85–86, 93, 151–152, 156–159, 168, 172, 231, 234
- Hawai'i 6, 15, 125
- hay 70–71, 75, 78–79, 85, 122, 159
- haze 2–4, 7, 16–17, 25, 51, 65, 76, 78, 87–88, 103, 109, 112–116, 121, 125–128, 132, 140, 155–156, 164–165, 173, 189–190, 194, 196–199, 204–207, 210, 212, 214–215, 230–231, 234, 236, 248, 284, 287, 293, 295
- headache 122, 129–130, 284
- heat wave 7, 12–13, 125, 132–135, 151, 159, 284, 287
- Heerrrauch 113
- Hehrrauch 158, 162
- Heimaey 295–296
- HEIN, Karel Bernard 137
- HEINZE 108
- Hekla 33, 42, 46, 50–51, 53, 56, 174, 187, 198–199, 203–204, 238, 241–243, 258–259, 262, 282, 299, 305
- Heldburger Gangschar 177
- Heligoland 116
- HELLAND, Amund 3–4, 33, 264, 272–273, 276–278, 281–282, 288
- Hellisá River 251

- HEMMER, Johann Jakob 111, 141, 246
 Henan 215
 HENDERSON, Ebenezer 259–263, 282
 Hengill 47
 Herbert of Clairvaux 50
 Herculaneum 89
 HERRMANN, Paul 83
 HICKMANN, Dom Robert 164, 173, 200–201
 high-latitude eruption 5
 high-pressure system 12–13, 126, 134, 151, 221
 highlands 2–3, 53, 60–61, 65, 67, 71, 213, 246, 248, 250–251, 253, 272, 274–275, 283, 288, 298, 302
 Hildburghausen 165, 176–178, 181–182
 HILLIGER 174, 184
 HILTZHEIMER, Jacob 206
 HINDENBURG, Carl Friedrich 165, 203
 histoire croisée 27
 historical climatology 19, 94
 history of science 24, 25, 291
 Hnúta Mountain 66
 hoax 183–184
 HØEGH-GULDBERG, Ove 59
 Hoffenthal 156, 208–210
 Höhenrauch 113, 265
 HOFF, Karl Ernst Adolf von 270
 Hólar 55, 62
 Holland 122
 HOLLAND, Henry 257, 259
 HÓLM, Sæmundur Magnússon 29, 112, 201, 236, 241, 245
 Holocene 21, 26, 33, 40–46, 61, 175, 276, 306
 Holstein 123–124, 138–139
 Holuhraun 15, 47, 305
 Holy Roman Empire of the German Nation 1, 96
 HOLYOKE, Edward 207
 Honshu 214
 HOOKER, William Jackson 243, 259
 HÖPPEL 164
 HORREBOW, Niels 240
 horse 51, 64, 76, 78–80, 104, 143, 219–220, 242–243, 250–253, 279, 284, 303
 hot-air balloon 1, 12, 24, 92, 97–100, 195, 236
 Hrabanus Maurus 140
 hraun (lava field), *see* lava field
 hreppur 57
 human health 7, 18, 120, 124, 127, 162, 198, 284
 HUMPHREYS, William Jackson 262, 288
 Hungary 96, 114, 221
 HUTCHINSON, William 191
 HUTTON, James 25, 90, 259
 Hverfisfljót 60–61, 70, 76, 85, 247, 253–255, 263
 hydrogen balloon 1, 24, 100
 hygrometer 32, 111–112, 162, 197
 ice age 19–22, 45, 306–307
 ice core 2, 5, 11, 14, 20, 45, 214, 292–293
 ice drift 221, 224, 226, 232
 ice fair 220
 iceberg 221
 Iceland 1–9, 11, 15, 17, 25–26, 29, 33–89, 103, 108–109, 112–118, 126, 128–129, 151, 159, 164, 187, 194, 198–204, 215–216, 234–285, 288–290, 293–307
 Iceland mantle plume 16, 26, 35–36, 39–40, 43, 290, 305
 Icelandic highlands 2–3, 53, 60–61, 65–67, 71, 203, 246–248, 250–253, 272–275, 283, 288, 298, 302
 Icelandic Low 13
 igneous rock 37, 85, 263
 ignorance 2–3, 238, 281–282, 288
 IMBÓ, Guiseppa 107
 impact 4–10, 14–17, 27, 34, 46, 51–52, 59, 60, 73, 124–126, 159, 187, 204, 211–213, 218, 221, 231, 234, 236, 248, 269, 271, 277, 281–285, 291, 294, 297, 306
 independence, Icelandic 95–96, 143
 India 14, 16, 110, 205, 213, 270, 272, 295
 Indian Ocean 213, 266–267
 Indigenous peoples 205
 Indonesia 6, 16
 industrial revolution 21
 insect 125, 164
 intensity (earthquake) 64, 100–104, 114, 149
 interdisciplinarity 19, 25, 291–292
 Intertropical Convergence Zone 13, 213
 interview 157, 161, 165
 intraplate region 36, 41, 146
 Iraq 110
 Ireland 37, 50, 84, 96, 194, 221
 Isidore of Seville 89
 Isle of Man 8, 71
 Íslendingabók 50
 Italy 89–90, 96, 102, 106–107, 112–114, 117, 156, 159, 163, 165, 167, 185–186, 191, 207, 220, 238, 258, 264
 Izmir 134

- Jamaica 229
 Japan 5, 150, 214, 283
 Java 266–271
 JAY, John 95, 229
 Jersey 8
 jet stream 2, 118, 120, 126, 128, 284
 jökulhlaup 52, 58, 71–72, 242, 250, 253–254, 256, 292, 306–307
 JÓNSSON, Arngrímur 238
 JÓNSSON, Steingrímur 62
 Joseph II 96, 168
 journal, scientific 171
 Jura, the 118, 147
- Kaldbakur 67
 Kalmar Union 53
 Kamchatka 15
 KANT, Immanuel 3, 101, 188
 Kashmir 213
 Katla 26, 41–42, 47, 51, 54, 58, 62, 67, 72, 103, 164, 199, 306–307
 Kauwerak people 210–211
 Kent 151
 KERGUELEN TRÉMAREC, Yves-Joseph DE 242
 KIESSLING, Johann 268–270
 Kilauea 6, 15
 KIRCHER, Athanasius 90–91, 188, 200, 241
 Kirkjubæjarklaustur 29, 60–70, 75, 77, 85–86, 246, 251, 252–253, 265, 296, 303
 Klaustur, *see* Kirkjubæjarklaustur
 Klofajökull, *see* Vatnajökull
 KNEBEL, Walter VON 278
 knowledge production 23, 34, 92
 Königsberg 101
 Konrad von Megenberg 89
 Krafla 72, 262
 Krakatau 3, 5, 17, 34, 266–272, 281–282, 288, 294
 KRATZENSTEIN, Christian Gottlieb 201, 249
 Kristiania (Oslo) 265, 272
 KRÜGELSTEIN, Daniel 209
 Kuwae 293
- L'Anse aux Meadows 50
 La Charlière 99, 298
 La Niña 13, 213, 235
 La Rochelle 115, 129
 LA TROBE, Benjamin 154, 208
 Laacher *See* 175
 Labrador 33, 154, 205, 208–210, 226
- Lakagígar 2, 276, 300
 Lake Biel 117
 Lake Constance 146
 Lake Geneva 117
 lake sediments 20
 Laki fissure 2, 4, 25, 44, 62–66, 70–72, 86, 115, 128, 199, 204, 246–247, 251–253, 260, 264–266, 272–274, 276–283, 288, 299–303
 Laki-style event 8, 13, 297, 305
 LALANDE, Joseph Jérôme Lefrançois de 170
 LAMANON, Robert Paul de 118, 165
 Landnámabók 48, 50
 landscape 3, 18, 33, 35, 59, 66, 85, 90, 118, 137, 175, 222, 242, 245, 257–258, 262, 272, 274, 278–285, 288, 291, 299–304
 Langensalza 139
 language 6, 16, 23, 31–34, 63, 88–89, 92, 106, 166, 190, 204, 240, 243, 246, 263, 272
 Lapland 210
 large igneous province 16, 26, 37–40, 63, 263, 290, 292
 Late Antique Little Ice Age 21
 Latin 32, 37, 53, 92, 111, 114, 162, 240
 Latvia 211
 Lauffell 251–252
 LAURENS, Henry 95, 100
 Lausanne 167
 Lautern 138, 160
 lava 2, 6, 9, 15, 17, 37, 43–48, 50, 61, 63, 65, 67–73, 85, 87, 118, 180, 198–199, 236, 242, 246–247, 251–255, 260, 262–263, 272, 274, 277–278, 280, 283–284, 286, 294, 296, 301–306
 lava bomb 6
 lava field (hraun) 44–45, 48, 61, 67, 70, 85, 248, 251–252, 275, 280, 301–303
 lava flow 2, 10, 18, 29, 39, 48, 51, 53, 58, 68–69, 71, 214, 245–247, 253–254, 272–273, 277, 296, 302, 306
 layperson 28, 94, 164
 Le Globe 97
 learned society 1, 4, 17, 24, 31, 92, 94
 LEE, Joseph 207
 legacy 17, 34, 289
 Leicestershire 121, 150, 161, 191
 Leiden 191
 Leifur Eiríksson 50
 LÉMER, Nicolas 242
 letter, *see* correspondence
 LEVETZOW, Hans von 81, 109, 246

- lichen 49, 59
- LICHTENBERG, Georg Christoph 169, 174, 197
- lightning 1, 7, 24, 58, 69, 92, 135, 136–144, 159–160, 172, 174, 178, 188–190, 286, 298
- lightning rod 24, 141–143, 189–190
- LINDEMAYR, Peter Gottlieb 168
- Lisbon 100–103, 189, 199, 226, 271
- literacy 31, 285
- Little Ice Age 1, 19, 21–22, 24, 52, 54, 86, 109, 234, 283, 293, 307
- Liverpool 191
- livestock 2, 49, 51–52, 55–56, 58, 60, 73–75, 79–80, 82, 84–85, 130, 143, 159, 228
- Livorno 139
- locust 213, 215
- Loiret 152
- London 3, 23, 97, 133, 137, 143, 150, 193–195, 199, 208, 216, 219, 226, 233, 238, 267
- Long Island Sound 228
- Louis XVI 96, 98
- Low Countries 16, 125, 146, 181, 220–221, 226
- low-pressure system 125–126
- LUBIERES, Charles-Benjamin 173
- Lucerne 149
- LUDWIG, Christian 184, 203
- lunar eclipse 140, 154–155
- Lüneburg 174, 222
- Luxembourg 199
- LYELL, Charles 102, 262
- Lyon 147, 159
- Maastricht 149
- MACKENZIE, George Stuart 257, 259
- Madagascar 46
- Madrid 188, 199
- magma 9, 36, 40, 45, 64, 67–68, 71–72, 107, 175, 305–307
- magnitude 16, 46, 59, 64, 100–106, 146–149, 189, 263
- MAGNUS, Olaus 238
- MAGNÚSSON, Skúli 59, 245
- MAGNÚSSON, Þorsteinn 54
- Main River 224–225
- malaria 129, 151
- Maldà anomaly 109
- malnutrition 54, 284
- Manchester 150, 196, 203, 230
- Manchester Literary and Philosophical Society 196, 203, 206
- Mannheim 32, 110–111, 130, 132–133, 136–137, 153, 155, 157–158, 162, 166, 217, 221
- mantle plume 16, 26, 35–40, 43, 283, 289–290, 292, 305
- map 48, 56–57, 110, 146–147, 154–155, 178, 205, 238–239, 243–247, 251–254, 256, 260–261, 267, 272, 274–276, 279, 281, 289, 300
- Marie Antoinette 96, 98
- Mars 97, 292
- Marseille 46, 133
- Massachusetts 94, 111, 155, 189, 206–207
- MATTHES, François 21
- Maunder Minimum 22
- MAUNDER, Edward 22
- Mauritius 266
- maximum latewood density 12, 210
- Mecklenburg 165
- Meðalland 82, 245
- media 16, 23, 29, 32, 187, 285
- medicine 159, 203, 242, 248
- Medieval Climatic Anomaly 21
- Mediterranean, the 88, 117, 135, 221
- Meiningen 181
- Meißen 175
- memory 165–166, 174, 221, 232, 289, 298
- Mercalli-Cancani-Sieberg scale (MCS) 104
- merchant 53–54, 59, 76, 81–82, 86–87, 108–109, 143, 199, 214, 245, 284
- MERCIER, Louis-Sébastien 1, 94
- Messina 102–104, 107–108, 116–117, 121, 185–186, 189, 203
- metamorphic rock 37
- meteor 1, 16, 191–196, 201, 203–204, 283–286, 289, 296
- meteora 88–89, 113–114, 188
- meteorology 24, 27, 88, 92, 111, 172, 203
- Meuse River 225
- mice 74
- Michigan 206
- Mid-Atlantic Ridge 26, 39–43, 60, 283, 289
- mid-oceanic ridge 26, 37, 290
- Middle Ages 89, 93, 238
- Middle East 12, 149, 214
- Milanković cycles 21
- MINDELBERG, Jörgen 107
- Mississippi River 229

- mist 1–2, 4, 23, 25, 77–78, 84, 88, 94, 112–118, 120,
 130, 155, 194, 206, 208, 210, 212, 269, 276, 282,
 288–289, 296
 Mittenwald 145–146
 Modified Mercalli Intensity Scale (MMI) 100
 móðuharðindin 2, 23, 77–80, 83–86, 260, 276, 284
 Moldau River 224
 monastery 199
 money 54, 83, 224, 249, 298
 monsoon 10, 14, 213, 295
 MONTGOLFIER, Jacques-Étienne 97
 MONTGOLFIER, Joseph-Michel 97
 Montgolfière 97–98
 moon 70, 114, 136, 154, 160, 167, 172, 176–177, 181,
 192, 266, 270
 Moravia 33, 137, 154, 208, 210, 226
 Moravian settlements 33, 226
 MORGAN, W. Jason 290
 Morocco 101
 MORSE, Samuel 271
 mortality 8, 23, 78–79, 81, 84–85, 87, 89, 129–130,
 150–153, 162, 211, 226, 234, 295
 moss 49, 80, 85, 251, 302–305
 Mount Erebus 307
 Mount Hekla, *see* Hekla
 Mount Laki 2, 66–68, 70, 251–253, 274, 276, 280,
 302, 304
 Mount St. Helens 9
 MOURGUE DE MONTREDON, Jacques Antoine 112, 161,
 164–165, 187, 201, 212
 Mullingar 194
 Munich 30, 49, 117, 131, 152, 154, 158, 169, 198–199,
 218, 226
 Mýrdalsjökull 48, 52, 60–61, 199, 302
 Mýrdalur 64
 Mývatn Fires 58, 62

 Nagasaki 214
 Nain 154, 156, 208–209
 NAO, *see* North Atlantic Oscillation
 Naples 106–107, 186, 207
 Napoleonic Wars 110, 175, 263
 Narbonne 114
 Natural History Society (of Denmark) 3, 249–252,
 255–257
 natural science, *see* science
 naturalist 3, 16–17, 23–25, 31–34, 89, 92–94, 101,
 106, 108, 112, 118, 120–121, 131, 141, 152,
 157–158, 161–166, 169–173, 175, 177, 185–190,
 194–196, 200–204, 235–236, 240, 243, 246,
 248–249, 257–258, 276, 281–282, 285–291, 296
 nebula 114, 174
 Neckar River 221, 224
 Neogene 175, 179
 Neptunism 90, 259, 281
 Netherlands 115, 122, 152, 158, 168, 191, 306
 Neuchâtel 197
 New Haven 228
 New Madrid 188
 New Orleans 229
 New South Wales 110
 New York 47, 208, 229
 New Zealand 46
 Newfoundland 50, 210
 newspaper 1, 7, 17, 23, 28–33, 81, 91–92, 97, 101,
 106–108, 117, 130–132, 136–139, 144–147, 149,
 153, 156–157, 159–166, 168, 170–186, 190,
 198–208, 220, 222, 228, 230, 243, 266, 269,
 271, 276, 285, 298
 NEWTON, John 166
 Niedersgörsdorf 174
 Nile River 10, 13–14, 213
 noise 65, 67–71, 102, 140, 178, 180, 266–267, 286
 Norfolk 120, 132–133, 191
 North Africa 1, 4–5, 212, 285
 North America 1, 4, 6, 13, 32–33, 39, 42, 46, 50, 84,
 94–96, 132, 134, 154, 205–208, 210, 226–228,
 262, 267, 285
 North Atlantic 16, 34, 36, 39–40, 46, 52, 86, 296
 North Atlantic Igneous Province 37, 40
 North Atlantic Oscillation 13
 North Carolina 206
 North Sea 115–116, 138, 191
 Northern Hemisphere 4–5, 13–17, 23, 34, 111, 205,
 208, 213–214, 231, 284–285, 298
 Northern Ireland 37
 Norway 46, 50–53, 82–83, 96–97, 115, 156, 159,
 202, 263–265, 272
 Norwegian Sea 115
 Norwich 121, 208, 219
 Nova Scotia 207
 nunatak 72
 Nýey 5, 107–109, 198, 200–201, 204, 208, 262,
 282, 298

 oceanic crust 41, 291
 odor 1, 70–71, 74, 122–124, 126, 181
 oil of vitriol 112

- Okjökull 307
 Okkak 155–156, 208–210, 226–227
 Okmok 165
 ÓLAFSSON, Eggert 242, 257
 ÓLAFSSON, Sveinn 299
 Oluf II 52
 Örafajökull 52, 58, 255, 306
 Öraefi 64
 ORTELIUS, Abraham 238–239, 242
 Ostend 191
 Ottoman Empire 16, 96
 outcrop 27, 108, 182
- Pacific Islands 240
 Pacific Ocean 13
 Padua 112, 133, 137, 270
 painting 191, 197, 224, 258, 289, 299–301
 Paleogene 175
 PÁLSSON, Bjarni 242–243, 257
 PÁLSSON, Sveinn 3–4, 33, 66, 248–257, 260,
 263–265, 272, 274, 277, 281–282, 288, 298
 panic 16, 134, 161, 183–184
 paraselena 114, 209
 parhelia 114, 209
 Paris 95–100, 104, 131, 141–144, 149, 152, 159,
 170–173, 186, 198–200, 202, 207, 216, 220,
 226–229, 270, 298
 particulate matter (PM) 9, 73, 130, 153
 Pas-de-Calais 121, 168
 Passy 96, 98, 196
 Patent of Toleration 168
 Pater Laurentius 118
 Pater Onuphrius 118
 PEDERSEN, Peder 108
 Peißenberg 111
 Pennsylvania 207, 227
 PERCIVAL, Thomas 196, 203
 Persia 164
 Perth 266
 PEUCER, Kaspar 242
 Philadelphia 206, 227
 Philippines, the 6, 9, 150
 philosophy 92, 101, 165, 195, 242, 245
 photography 277–280, 302
 physicotheology 169, 287
 physics 89, 92, 165, 169, 197, 201
 PILÂTRE DE ROZIER, Jean-François 100
 Pilsen 139
- Pinatubo 6, 9
 plague 53, 65, 73, 97, 178, 186, 234, 283
 planet 2, 10, 12, 26, 36, 40, 89–90, 187, 259, 269,
 288–291, 301–302, 305
 plate boundary 41
 plate tectonics 34, 36, 289–292
 Pleistocene 41
 Pliny the Elder 89
 Plutonism 90, 259, 281
 Poland 96, 112, 134, 137, 144–146, 200
 pollution, *see* volcanic air pollution
 Pomerania 174
 Pompeii 89
 population 2, 5, 23, 28–29, 31, 46–47, 51–60, 80,
 83–85, 160, 168, 170, 201, 211, 221, 242,
 284–285, 293, 297
 Portugal 100–101, 103, 149
 poverty 52, 57, 87, 240, 250, 298, 304
 powder magazine 138–139, 144
 Prague 133, 137, 139, 159, 224, 232
 precedent 161, 164–166, 172, 230–231, 270, 285
 Prestbakki 62, 70
 PREYER, William 263
 price 54, 76, 250
 priest 50, 53, 55, 57, 62–63, 69, 86, 118, 159,
 168, 286
 PRIESTLEY, Joseph 97, 163
 Protestant 53, 140, 168, 240
 proxy data 5, 20
 Prussia 96, 144
 punishment 50, 65, 93, 140, 168, 197
 Punjab 213
 pyroclastic flow 10, 41, 89, 214, 266
 Pytheas of Massalia 46
- Quebec 208–210
- rain 65, 73, 111, 113, 123, 130–133, 136–137, 140,
 143, 159, 168, 173, 189, 201, 209–211, 213, 221,
 230, 252, 281, 286
 Rajasthan 213
 RÉAUMUR, René-Antoine Ferchault de 132, 162, 218
 RECK, Hans 277, 279
 Reformation 53, 61
 refugee 79
 Regensburg 131, 155, 225
 Reggio Calabria 103, 107
 Regnitz River 224

- reindeer 58–59
- religion 169, 240
- remoteness 3, 10, 34, 59–60, 240, 277–278, 301, 304
- Renaissance 172, 238
- Rendsburg 138
- research 3–9, 16–18, 22–25, 33, 35, 59, 76, 83, 89, 91–93, 110, 123, 153, 175, 180, 231, 234, 246, 249–250, 255, 257, 264, 274, 277, 290, 292, 294–295, 305
- respiratory problems 73, 127, 284, 293, 306
- revolution 7, 21, 23, 29, 32, 88, 94, 96, 110–111, 142, 152, 184–188, 233–235, 258, 260, 281–282, 286
- Reykjanes 4, 16, 50–51, 107–108, 199, 254, 262, 305
- Reykjavík 46–47, 55, 64, 75, 80–81, 240–241, 264, 306
- Reynistaður 62
- Rhine Rift Valley 146
- Rhine River 222, 225
- Rhode Island 208
- Richter scale 64, 101, 105, 146
- ríkisdalur (Pl. ríkisdalir) (Icelandic currency) 76, 250
- ringing the church bells 139–141, 144, 171
- RITTENHOUSE, David 196
- ROBERTJOT, l'ábbe 166
- ROBESPIERRE, Maximilien 142
- ROBINSON, Henry 191–192
- rock 37, 41, 65, 67, 85, 89–90, 97, 105, 195, 222, 252, 259, 263, 274, 276, 289
- Rodheim 164
- Rodrigues 266–267
- Romantic period 166
- Rome 18, 106, 133, 137, 165, 168, 220
- Römhild 176–177
- rooster 98
- Roßberg 178–180, 184, 282
- ROTHER, Christian 256
- ROTHWELL, J. 232
- Rotterdam 220
- ROUSSEAU, Jean-Jacques 101
- Royal Academy of the Sciences in Berlin (Preußische Akademie der Wissenschaften) 154
- royal land commission, first 59, 83
- royal land commission, second 83
- Royal Society of London 3, 193, 238, 267
- RUDLOFF, Max 278
- Russia 95–97
- SÆMUNDSSON, Jón 62
- Sagan 112, 137, 155, 232
- sagas, Icelandic 51, 238, 240, 283
- Saint Gotthard 111–112, 118
- Saint John's Eve 120–123, 129, 177
- Saksunarvatn 46
- SALIS-MARSHLINS, Johann Rudolf von 202–203
- Samalas 293
- Sämtland 12
- SANDBY, Paul 194
- sandur plains 60–61, 254, 275
- Santorini 109
- SAPPER, Karl 277, 281
- Saxon Switzerland 175
- Saxony 158, 175, 216
- Scandinavia 4, 41, 50, 114
- SCHLHORN, Johann Georg 140, 329
- Schnüpfingen 232
- Schuykill River 227–228
- Schweidnitz 144–145
- science 1, 3, 7–8, 14, 19, 23–26, 34, 41–42, 85, 88, 91–93, 100, 102, 110–111, 122, 130, 142, 152, 154, 162, 169–171, 193, 197, 201, 235, 237, 242, 250, 256, 287, 291–292, 298
- scientific instruments, *see* barometer, hygrometer, telescope, thermometer
- scientific publication 175
- Scilla 103, 105
- Scotland 37, 96, 101, 115, 121, 155, 158, 191–192, 265
- sea ice 21, 49, 52, 58, 76, 208, 215, 283
- seal 49, 76
- Secularization Decree 168
- sedimentary rock 37
- seiche 101
- Seine River 226
- Seine-Maritime 152
- seismometer 291
- Selbourne 120, 129, 132, 137, 219
- SENEBIER, Jean 235
- sermon 69, 101, 140
- settlement (of Iceland) 33, 35, 46–50, 52, 55, 81–83, 154, 205, 208, 226, 274, 284, 302–303
- settlement layer 47
- SEWALL, Mary Robie 207
- sheep 49, 51, 58–59, 73–74, 76, 80, 98, 138, 215, 231, 277, 284
- SHELLEY, Mary 262
- sheriff 55, 57, 77
- shipping 52, 228

- Siberia 4, 13, 212, 231
 Sicily 50, 88, 96, 102–107, 159, 173, 186
 Síða region 60–61, 64, 67–68, 71–73, 75, 81–82,
 108, 248, 251, 274, 276, 281, 284
 SILBERSCHLAG, Johann Esaias 154
 Silesia 112, 136–138, 144–146, 180, 232
 Skaftá River 2, 45, 61, 65, 67–70, 199, 247, 263, 274
 Skaftáreldar 2, 6, 276
 Skaftárjökull 61, 260, 276
 Skálholt 55, 76, 86
 smell 16, 71–75, 102–103, 108, 113, 120–126, 129,
 174, 178, 180–181, 184, 198, 211, 236, 246, 252,
 284, 287, 295
 smoke 33, 67–69, 78, 102–103, 106, 108, 112–114,
 123, 131, 155, 165, 168, 176–181, 196, 198,
 201–204, 209–210, 236–237, 246, 269, 274
 snow 21, 66, 211, 215–221, 226–232, 283, 307
 Societas Meteorologica Palatina 32, 110–114, 118,
 130, 134, 137, 141, 162, 178, 204, 232, 245
 Société Royale de Médecine 110, 121, 152
 society 6, 18, 20, 22, 46, 56, 81, 84, 110, 246, 288,
 292, 304, 306
 sol-röken 113
 SOLANDO, Daniel Carl 243
 Sólheimer eruption 41
 sore throat 16, 123, 152, 284, 293
 South Africa 266
 South America 41, 88, 289
 South Asia 213
 Southern Hemisphere 2, 15
 Spain 95–96, 101, 144
 speculation 1, 90, 108, 171–203, 230, 236, 255,
 282, 290
 Spitsbergen 5, 263
 Spörer Minimum 22
 spreading axis 43, 60–61, 262
 spring 47, 53, 58, 62–63, 66, 71, 79–82, 108–109,
 135, 151, 187, 211, 216, 220, 227, 229, 231–234,
 242, 246, 248, 284, 295
 SPRUENGLI, Johann Jakob 118
 St. Mary Magdalene's flood 223–224
 St. Petersburg 117, 199
 St. Thomas (island) 115
 stalagmites 20
 stamp 299–301
 STANLEY, John Thomas 117, 235, 243, 257–258
 stars 88, 111, 114, 167, 191–194, 284
 STEINGRÍMSSON, Jón 29, 62–79, 85–86, 246, 248, 253,
 286, 295–296
 STEPHENSEN, Magnús 29, 82, 109, 246–248, 281
 STEPHENSEN, Ólafur 82
 Stockholm 199
 Stockton 191
 stratosphere 10–11, 14–15, 21, 128
 Stromboli 88, 90, 102, 107, 276
 STUDER, Sigmund Gottlieb 117–118
 Stuttgart 163
 Stykkishólmur 81
 Styria 131
 subduction 41, 102
 sublime 91
 subsistence 52, 85, 159, 233, 283
 subterraneous 101, 145, 177, 180, 185–188,
 200–201, 248, 274, 284, 286
 SUESS, Eduard 291
 Suez 212
 Suffolk 120–121
 sulfur dioxide 2, 5–6, 9–11, 15, 21, 48, 118–120,
 123–125, 128, 152, 163, 283, 294
 Sumatra 266
 summer 1, 4, 6–7, 10, 12–16, 24, 32–34, 53, 66, 70,
 79–82, 88, 92, 102, 108, 112–161, 164, 167,
 170–171, 174–175, 178, 181, 187, 194, 203–218,
 226, 230–236, 243, 250, 258, 262, 264,
 277–278, 281, 284–291, 295, 307
 sun 1, 23, 32, 64–65, 68, 70, 99, 113–114, 120,
 129–130, 133, 136, 157, 159–160, 163–168, 176,
 181, 192, 196–203, 209, 212, 250–251, 260,
 269–272, 284
 SÜNCKENBERG, C. J. 81
 Sunda Strait 266
 superstition 3, 157, 161–162, 167–169, 181, 190
 surface water wave, *see* seiche
 Surtsey 299
 survey 82, 149, 242
 SVENDBORG, Gottfried 108
 Swabia 138, 144, 146
 Swabian Jura 179
 Sweden 12, 53, 96, 113, 156, 159, 220, 236, 240
 Switzerland 5, 31, 96, 101, 111–112, 117, 129, 140,
 146–149, 160, 168, 175, 197, 218, 235, 259, 262
 SYMONS, George James 262, 266–270
 Syria 115, 201, 212
 sýsla 56–57
 Tambora 5–8, 17, 211, 234, 262, 266, 282,
 288, 293
 taste 74, 78, 122–123, 181, 197, 291

- technology 24, 92, 189, 294, 298
 Tegernsee 111, 114
 teleconnection 13, 27–28, 287
 telegraphy 17, 270, 282, 288, 294
 telescope 197
 temperature 12–15, 21, 49, 109, 111, 129,
 132–137, 151, 210, 212, 215–219, 229,
 230–233, 251
 tephra 5, 9, 11, 41, 45–53, 65, 75, 87, 246, 266,
 274, 298
 tephrochronology 41–42, 63
 THARP, Marie 290
 The Hague 199, 216
 thermometer 24, 32, 93, 111, 133, 197, 218, 227,
 231, 253
 THODAL, Lauritz Andreas 81, 243
 Thomas Aquinas 89
 Thomas de Cantimpré 89
 THORODDSEN, Þorvaldur 3–4, 33, 264–265, 269,
 272–279, 281–282, 288
 thunder 1, 65, 68–69, 88, 127, 133, 135–146,
 159–160, 166–169, 171, 178, 180, 189–190, 201,
 207, 230, 284, 287
 Thuringia 132
 Tibet 21
 TITUS, Johann Daniel 208
 TITSINGH, Isaac 214
 TOALDO, Guiseppe 159, 165, 186
 Toba event 6
 Tokyo 214
 TØNDER LUND, Niels 256
 Tønning 138
 TORCIA, Michele 107, 186
 TORRICELLI, Evangelista 93
 Torsken 64, 108
 tourism 35, 257, 263, 299, 302–303, 305
 trade monopoly 53, 59, 77, 81, 85, 87
 trading post 53, 76–77, 81
 travelogue 28, 33–34, 240–241, 246, 260, 263,
 279, 281
 Treaty of Paris 95–96, 228–229
 tree ring 46, 211–212
 Tripoli 149
 trockener Nebel 113
 TROIL, Uno von 243–244
 Trondheim 115
 troposphere 10–11, 15, 128
 tsunami 101–106, 266, 271
 TUFTS, Cotton 206
 Tunisia 96, 212
 Turin 270
 Turks 97
 Úlfarsdalur 66, 252–253
 Ulmener Maar 175
 uniformitarianism 27
 United States of America 18, 32–33, 95–96, 100,
 205–208, 215–216, 227–229, 233, 283
 university 58, 111, 240, 242, 248–249, 270
 unknown eruption (1808/1809) 293
 Ural Mountains 111, 212
 Utrecht 122
 Uttar Pradesh 213
 VAHL, Martin 249
 VAN BEETHOVEN, Ludwig 228
 VAN GEUNS, Mathias 152
 VAN SWINDEN, Jan Hendrik 112–115, 122–123, 133,
 164, 197, 204
 Vanuatu 293
 vapeur 113
 vapor 113–114, 130, 155, 162, 174, 202, 208, 230,
 235, 269
 Varmárdalur 252–253
 VASQUIER, M. du 197
 Vatnajökull 40, 43–44, 47, 52, 57, 60–61, 66, 71–72,
 252–256, 260, 272, 274, 280, 300–302, 307
 Vatnajökull National Park 300–304
 Vechte River 226
 Vedde ash 41
 vegetation 7, 18, 29, 51, 115, 120–126, 156–159, 260,
 293, 297, 303
 VEI, *see* Volcanic Explosivity Index
 Veiðivötn 53
 Venus 292
 VERBEEK, Rogier Diederik Marius 271
 VERDEIL, François 112
 Versailles 98–99, 143
 Vestmannaeyjar 58, 295–296
 Vestur-Skaftafellssýsla 57, 61–62, 64, 80, 82,
 84, 253
 Vesuvius 89–90, 107, 241, 258, 276
 Vienna 30, 130–131, 157, 199, 220–222, 225
 VISSERY de Bois-Valé, Charles Dominique de 142
 vog (volcanic fog) 125
 Vogtland 146
 volcanic air pollution 73–77, 122, 129, 211, 234,
 297, 306

- Volcanic Impacts on Climate and Society (VICS) 293
- Volcanic Explosivity Index (VEI) 5–6, 9, 15, 17, 41, 45–47, 50–53, 58, 67, 107, 164, 175, 214, 255, 293, 306
- volcanic fog, *see* vog
- volcanic gases 9–14, 73, 120–121, 128, 137, 283
- volcanic system 43–49, 51, 61, 72, 295, 305
- volcanism 16, 26, 33–34, 41–54, 88, 90, 174–175, 201, 241–242, 283, 289, 293, 304–305
- volcanology 5, 9, 88, 265
- VOLNEY, Constantin-François 212
- Voltaire 101
- Vulcano 88, 107
- Vulkaneifel (Volcanic Eifel) 175
- vulnerability 19–20, 27–28, 56, 101, 211, 294
- Wadati-Benioff-Zone 41
- Wales 8, 16, 132, 231
- Warsaw 199
- water 2, 45, 49, 51, 65, 67–68, 74, 76, 86, 89, 101, 113, 123, 133, 167, 175, 197, 199, 210, 219, 221–229, 238, 242, 252, 289, 296
- WATT, James 21
- waves (earthquake) 101–103
- weather diary 1, 20, 28, 32, 63, 120, 158, 206–207
- weather memory 165–166, 174, 221, 232, 289, 298
- weather observer 94, 110, 112, 114, 121, 164, 209–210, 217, 227
- webcam 305
- WEGENER, Alfred 289–290
- WERNER, Abraham Gottlob 25–26, 90
- Western Volcanic Zone 42, 48, 61
- Westerwald 136, 138, 178
- Wetterläuten, *see* ringing the church bells
- Weymouth 206
- whale 49, 67–68
- WHEELER, Ezra 207
- WHITE, Gilbert 32, 120–121, 129, 132, 137, 151, 155, 158, 160, 219, 231–232
- WHITE, Henry 137, 168–169
- WIEDEBURG, Johann Ernst Basilius 124, 161, 163, 185–188, 196–197
- WIGGLESWORTH, Edward 206
- wilderness 58–59, 300–301
- William V 97
- WILSON, J. Tuzo 290
- wind 2, 11, 13, 41, 65, 71, 113, 115, 117, 121, 130–132, 138, 153, 167–168, 174, 185–186, 188, 190, 201–204, 214, 216, 226, 230, 235–236, 251–252, 269, 271, 294
- Windsor 192, 194
- wine 80, 158, 232
- winter 7–8, 10, 12–13, 28, 32–34, 49, 52, 54–55, 63–64, 75, 77–79, 86, 96, 124, 151, 155–156, 167, 215–235, 248, 250, 256, 295, 298
- WINTHROP, John 195
- WOODFORDE, James 120, 132–133, 191, 219–220
- Worcestershire 150–151
- Würzburg 133, 178, 224–225
- WVZ, *see* Western Volcanic Zone
- Yamal Peninsula 212
- year without a summer 6, 214, 234
- Ykas 209
- ZIRKEL, Ferdinand 263
- Zuiderzee 220
- Zweibrücken 135–136
- Pingvellir 47, 243
- ÞÓRARINSSON, Sigurður 4, 41–42, 50
- ÞÓRARINSSON, Stefán 86
- Þórðarhyrn 43

