Index

Page numbers in *italics* refer to Figures. Page numbers in **bold** refer to Tables.

Adam, William, *The Gem of the Peak* (1838–1857) 147
Adršpach Rock City 218, 219
goetourism 220, 225
visit by Goethe 220, 221
Agassiz, Louis (1807–1873), glaciology 85
Agassiz Rock, Edinburgh 32
Aix-les-Bains, Sierroz gorge 204–205
Aladdín’s Crawl, Carlswark Cavern 164–165
Alps, The Grand Tour 9
Anthropocene 34–35
art
depiction of geotourism, seventeenth century Holland 73–82
depiction of landscape Eugene von Guérard 59–68
Scotland 29–30, 33
seventeenth century Holland 71–73
environmental, Scotland 35
waterfalls 43
Australia, work of Eugene von Guérard 63–68
Avebury, Lord (1834–1913), *The Scenery of England* (1902) 142, 144
Baedeker guides 14
Baker, Matt, *Shinglehook* 35
Bakewell, Robert (1767–1843), geology textbooks 142, 144
Bamforth Hole, Carlswark Cavern 160, 161, 162, 163
Bartholomew’s maps 134, 150–152
beaches, seventeenth century Dutch landscapes 73–74, 76, 77
Beattie, William (1793–1875), Danube loess landscape 234
Beaumont, Albanis (1755–1812), *Travels from France to Italy through the Lepontine Alps* (1800) 201
Belfast Field Naturalists’ Club 96
Beresteyn, Claes van (1637–1684), dune landscape 77, 81
Bergsfjord Peninsula see Øksfjordjøkelen
Bible, literal interpretation of 41, 60
Blackmoor Stannary 187
Bonnard, A.H., Carclaze tin mine 190
Boswell, James (1740–1795), on waterfalls 45, 47, 51
Bowder Stone 16, 18
Bowen, Emanuel (c. 1694–1767), county maps 132, 133
Bradshaw’s *Descriptive Railway Hand-book* (1863) 192
Bredalsfjellet 86
British Speleological Association 160
Brock, A.D.P. (1788–1813), drowning in Sierroz gorge 205, 206, 208
Brongniart, Alexandre (1770–1847), on upper-Rhône 201, 203
Broumovské stěny 218, 219, 226
Buch, Leopold von (1774–1853), geology of Norway 85
travel writing 11, 60
Bull Bay, Anglesey 101, 102
Burdett, Peter Perez (1734–1793), *Survey of Derbyshire* (1767) 133, 138–139, 140
Burke, Edmund (1729–1797), the beautiful and the sublime 13, 41, 47, 53
Byng, John, 5th Viscount Torrington (1743–1813), on High Force 51
Byron, Lord (1788–1824), search for the Sublime 53
Camden, William (1551–1623), on waterfalls 43, 51
caravanning 15
Carclaze, Old Tin Pit 187–195, 188, 194
china clay production 193
eyearly development 189
eighteenth century 189
geology 189, 191–192
guidebooks 192
nineteenth century 190–193
post-industrial interest 193–195
Carlswark Cavern 161
historical accounts 160, 162–163
modern damage 163–165
speleothems 158, 160, 162–165
Carreck Archive, Geologists’ Association 118–122, 127, 128
Carreck, Marjorie, Geologists’ Association archivist 121–122
Carus, Carl Gustav (1789–1869), landscape art and geology 60, 63
Cary, John (c. 1754–1835)
geological maps 141
*Improved Map of England and Wales* . . . (1832) 138
*New and Correct English Atlas* (1787) 132–133, 138, 139
*New County Atlas* (1809) 132, 133, 138
*New Map of England and Wales with Part of Scotland* (1794) 131–132, 133, 138, 139, 141
Caspari, Josef, Lyngen glaciers 88–89
cassiterite 189
caves 6
Somerset 180
Stoney Middleton Dale 157–168
caving, Stoney Middleton Dale 159, 160
Chamonix
Grand Tour 9
Mer de Glace 199
Charles II, King of England, departure from Scheveningen 73, 78
Charlestown United tin mine 187, 188
Charleswork see Carlswark Cavern
Chester Society for Natural Science 96, 98–101
Annual Reports 112, 114
excursions 101, 102, 103–106, 115
Grosvenor Museum 112, 113–114

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3706311/backmatter.pdf by guest
Chester Society for Natural Science (Continued) interaction with other societies 108, 109 membership 103, 104 honorary members 104, 110 role of women 101, 106, 107, 108–109 prizes 113 transport 109, 111
Child, Theodore (1846–1892), on Danube voyage 234, 235
Coke, Lady Mary (1727–1811), Grand Tour 9
Coleridge, Samuel Taylor (1772–1834), on waterfalls 51, 53
Conolly, Fabio (1567–1640), on Glossopetrae 12
colour layering 134, 152 Colourists 33
Constable, John (1776–1837) landscape painting 78 Lake District 16 contours 134 Conybeare, William (1787–1857), geology textbooks 142, 144 copper mining 178, 179

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3706311/backmatter.pdf by guest on 28 June 2019
INDEX 243

Geological Society of London 13, 33
Geological Survey, maps 143, 149, 151
geological timescale 25–27, 31, 36, 41, 43
Geologists’ Association, and geotourism 13, 117–128
A ‘Geological’ ABC of North Cornwall 125–128
Carclaze tin mine 193
Carreck Archive 118–122, J27, 128
Circular 118
field meetings 117–118, 119, 120, 121
transport 122–124
geological guides 118
Henry Dixon Hewit J9, 124–125
Proceedings 118, 120
Record 118
g eo l ogy, nineteenth century
county accounts 142
maps 139, 141–152
Scotland 32–33
textbooks 142–144
g eomorphosites 3, 4
French Alps 199–212
Karkonosze Mountains 220–221, 223, 224, 225
loss of 7
Geopark Shetland 33, 34
Geoparks
European Network, Arouca Declaration (2011) 5
Kanawinka 64, 67, 68
Karkonosze 226
Scotland 33
Vulkaneifel 62, 67
Geoparks Programme Feasibility Study 3
g eo sites 3, 4
Karkonosze Mountains 220–221, 223, 224, 225
loss of 7
primary 6
secondary 6
g eo tourism
Chester Society for Natural Science 103–106
Cornwall 187–195, 190–193
Danube loess-palaeosol sequences 230–238
European timeline 3
French Alps 199–212
Geologists’ Association 13, 117–128, 193
Lyngen Alps, Norway, nineteenth century 87–91
Peak District 15–16
recognition and definition 2–6, 7, 96–97
role of local societies 95–115
Scotland 33
seventeenth century Holland 73–75, 80–81
Stoney Middleton Dale 157–168
Sudetes 215–227
Woolhope Naturalists’ Field Club 101–103
g eo tourists 1
 casual 5, 6–7, 97, 117
dedicated 5–6, 59, 85, 97, 117
educational 6
recreational 6
Gilbert, Charles Sandoe (1760–1831), Historical Survey of Cornwall (1817) 190
Gilpin, William (1724–1804)
Lake District landscapes 17
picturesque travel 41, 47, 49
waterfalls 47
Gimli’s Dream, Merlin Cavern 161, 166, 167
Gin Entrance, Carlswark Cavern 161, 162, 163, 164
glaciers, nineteenth century Norway 83–87
recession 90–91
glaciology, nineteenth century Norway 85
Glover, John (1767–1849), Lake District landscapes 16
Goethe, Johann Wolfgang von (1749–1832) 59–68
Vesuvius 60–61
Vulkaneifel 61–63
guidebooks 14–15
beautiful, sublime and picturesque scenery 47, 49
Carclaze, Old Tin Pit 190–192
Cornwall 190–192
cost 152
Derbyshire 15, 149–152
Lake District 16, 17–18
Scotland 27, 31
‘The British Tourists’ (1798–1800) 11
Haarlem, seventeenth century landscape tourism 75, 79
hachures 133–134
Hakewill, James (1778–1843), Cascade of Terni 52
Hall, Elias (1764–1853), geology of Derbyshire 147
Hamilton, Sir William (1731–1803), An Account of a Journey to Mount Etna 8, 60
Happy Union tin mine 187
Hardraw Force, payment to view 54
hardship, pleasures of, Sublime movement 27, 41, 51, 53, 60
Harrison, William J. (1845–1909), Geology of the Counties of England and of North and South Wales (1882) 142, 144
Hastings, George
Lyngen glaciers 88–89
Øksfjordjøkelen glacier 85
Hedinger, J.M., A Short Description of Castleton.. (1839) 137, 147
Hereford Free Public Library and Museum 111, 113, 114
Herefordshire Natural History, Literary, Philosophical and Antiquarian Society 97
High Force 44, 49, 51
hiking 15, 95, 223
hill shading 15, 95, 223
volcanic forms of western Victoria 65
Hogrenning, Elias
Lyngen glaciers 88–89
Øksfjordjøkelen glacier 85
Holland, seventeenth century
landscape art
geomorphological accuracy 71–73
as new genre 75–79
population 71, 72
Humboldt, Alexander von (1769–1859) 59
Cascade de Tequendama 45, 46
on waterfalls 45
Hutton, James (1726–1797) Siccar Point unconformity 25
Theory of the Earth 41
Huygens, Sir Constantijn (1596–1687), sea-way 74, 79
industrial development, expansion of tourism 31
Ingleton, railways and tourism 54
Jamaica, waterfalls 54–55
James, John Thomas (1786–1828), Sweden 11
Jars, Gabriel (1732–1769), Carclaze tin mine 189, 190
Jelenia Góra basin 221, 222, 223, 226
gleological cross-section 224, 226
Jerrold, Walter Copeland (1865–1929), on Danube voyage 232–233
Johnson, Dr Samuel (1709–1784), on waterfalls 45, 47, 51
Johnston, Mary Sophia (1875–1955), Geologists’ Association archivist 121, 122
Kamieńczyk gorge 222, 223
kaminitz, Fier gorge 208
Kanawinka Global Geopark 64, 67, 68
kaolin see china clay
Kapper, Isaac Salomon (Siegfried) (1821–1879), on Danube voyage 232, 233
Karkonosze Mountains 216, 222
gleoheritage 223–225
geosites 220–221, 223
catalogue 224, 225
gleotourism 221–225
nature reserves 224–225
Karkonosze National Park 226
karst, Fier gorge 208
killas 182, 183, 191
Kingsley, Canon Charles (1815–1875), Chester Society of Natural Science 99, 113
Kitchen, Thomas (1718–1784), maps 133
Knipe, James Alexander (c. 1803–1882), Geological Map of the British Isles and Part of France (1843) 142, 143, 151
Kohl, Johann Georg (1808–78), on Danube voyage 232, 233
INDEX
Labe river 221, 222
Lake District
guidebooks 17–18
landscape painting 16
landscape tourism 16–18
landscape tourism 10–11, 15–18, 95
Scotland 27–31
seventeenth century Holland 73–82
Landseer, Edwin (1769–1862)
engraving of High Force or Fall of Tees 44
Scotland 31
Lassels, Richard (1603–1668), The Grand Tour 8, 11
Le Blond, Mrs Aubrey see Main, Elizabeth
Leland, John (1503–1552) 43, 135, 171
Leonhard, Karl Caesar von (1779–1862), loess 235
Lessing, Carl Friedrich (1808–1880),
Eifel expedition 63
Lhuyd, Edward (1660–1709) 12
Lightspout Valley, Church Stretton 101
Ligorio, Pirro (c. 1510–1583) 11
Little Ice Age, Norway 83–85, 86–87
Liverpool Geological Society 96, 108, 109
local societies 96–115
Loch Coruisq 28, 29
Lodore Falls 47, 48, 49
payment to view 54
loess 230
paleosol sequences, Vojvodina, north Serbia 230–238, 231
Lowe, Joseph (1865–1934), photography of Lake District 16
Lower Resurgence Entrance, Carlswark Cavern 160, 161, 163
Lower Sump, Carlswark Cavern 160, 162, 163
Lubbock, John, 1st Baron Avebury (1834–1913),
The Scenery of England . . . (1902) 142
Lucey, ‘loss of the upper-Rhône’ 201, 202, 204
Lyell, Charles (1797–1875)
Elements of Geology (1838) 144
Principles of Geology (1830–1833) 32, 142, 144
Lyngen Peninsula, Norway 83, 84
nineteenth century geotourists 87–91
MacCulloch, John (1773–1835), Fingal’s Cave 28, 29, 30
Mackay, Charles (1814–1889), The Scenery and Poetry of the English Lakes (1846) 18
McKenny Hughes, Professor Thomas (1832–1917), Chester Society for Natural Science 99, 100
Mackintosh, D., Scenery of England and Wales (1869) 142, 144
Macpherson, James (1736–1796), Ossianic poetry 27
Main, Elizabeth (1860–1934), Lyngen Peninsula 89–91
maps 131–153
eighteenth century
county maps 132–133
developments 135, 138–139
plagiarism 138
strip maps 132, 135, 136
nineteenth century
cost 151, 152
geological maps 139, 141–152
Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3706311/backmatter.pdf by guest on 28 June 2019
INDEX

National Parks and Access to the Countryside Act (1949) 15, 33
Natural England see English Nature
naturalists’ societies 95–115
navigation, early maps 132
Neo-Romanticism 3, 71
Neptunism v. Vulcanism 60
Netherlands see Holland
Newcastle, local society 96
Norway, nineteenth century tourism 83–92
Norwich school of landscape painters 78
Novi Sad 231, 233
Nugent, Thomas (c. 1700–1772), The Grand Tour 8
Nut Scrin, Carswark Cavern 160, 161

Odin’s Mine, Castleton 137
Ogilby, John (1600–1676) Britannia (1675) 132, 135
strip maps 132, 135, 136
Øksfjordjøkelen 83, 84
glaciers 85–87
Ordnance Survey 1 inch maps 132, 139, 147, 149, 150, 151
cost 151, 152
establishment of 135, 138
Oyster Chamber, Carswark Cavern 161, 162, 163, 164

Paget, John (1808–1892), on Danube voyage 233–234
Pannonian Plain 232, 234
Parsons, Alfred William (1847–1920), on Danube loess 235, 237
Paton, Andrew Archibald (1811–1874), on Danube voyage 232, 233
Peak District landscape tourism 15–16, 132
maps 131, 132, 137, 140, 141, 146–153
Stoney Middleton Dale caves 157–168
Pennant, Thomas (1726–1798), on waterfalls 49
Petrovaradin fortress 231, 233, 235
Phillips, William (1773–1828), geology textbooks 142, 144
philosophical societies 96
photography Carreck Archive 118–122, 124–125
Lake District landscapes 16
Photographic Supplement to Stanford’s Geological Atlas (1913) 143
Scotland landscape 31
Picturesque movement 14, 17, 41, 132
Pielgrzymy tor 223
plagiarism, map making 138
Playfair, John (1748–1819), abyss of time 25
Plot, Robert (1640–1696) 12
Pococke, Dr Richard (1704–1765), travel writing 171
Polgooth tin mine 177, 178–179, 187, 188
Police Basin 218
geology 217–218
tourism 218
Quin, Michael J. (1796–1843), on Danube voyage 232

Peaks District 131, 132, 135, 137, 146–153
topographic depiction and accuracy 132, 133–135, 138–139
colour layering 134, 152
tours 134
hachures 133–134
hill shading 135
RSA prize 138
Marliano, Bartolomeo (1488–1566) 11
Marsigli, Luigi Ferdinando (1658–1730) 233, 234–235
Danubius Pannonico-Mysicus (1726) 12, 235, 236
Martel, Edouard-Alfred (1859–1938), ‘loss of upper-Rhône’ 203
Martin, William (1767–1810), Petrificata Derbiensia (1809) 147
Maton, William George (1774–1835) 181, 182, 183
mining, Sudetes mountains 217, 221
mining heritage
Carclaze Tin Mine 187–195
Stoney Middleton Dale caves 159, 166
Montagu, Elizabeth (1718–1800), on Scottish landscape 27
Montrottier Castle 205, 209
Moore, Henry, Picturesque Excursions in the High Peak . . . (1819) 147
Morden, Robert (c. 1650–1703), maps 133
Moritz, Karl Philip (1756–1793), Peak District 15
Mosenberg crater lake, work of Eugene von Guérard 62, 63
Moule, John (1784–1851), map of Derbyshire (1837) 135, 137
Mount Gambier, work of Eugene von Guérard 67
Mount Śnieżka 221–222, 223
Mount Szczeliniec Wielki 217, 218, 219
gotourism 220, 225, 226
visit by Goethe 220, 221
Mount Witosa 222, 223
Murchison, Sir Roderick Impey (1792–1871) 13
Nasmyth, Alexander (1758–1840), Lower Falls of Fyers 28
National Geographic, approach to geotourism 4–5
National Parks Sudetes Mountains 226
UK 15

Downloaded from https://pubs.geoscienceworld.org/books/chapter-pdf/3706311/backmatter.pdf by guest on 28 June 2019
Rackett, Thomas (1755–1840), travels with William George Maton 171–172, 174–184
railways 14
and tourism 54, 95
Cornwall 189–190, 192–193
Fier gorge 205
Geologists’ Association 123, 193
naturalists’ society excursions 105, 109, 111
Scotland 31
Raleigh Club of Travellers 13
Ramsay, Sir Andrew Crombie (1814–1891), Physical Geology and Geography of Great Britain (1862) 32, 142, 144
Rashleigh, Philip (1729–1811), Carclaze tin mine 190
Reader, Thomas William (1860–1923)
albums 120, 121, 123, 124, 126
Geologists’ Association 121
recreation, geological 5
Renevier, Eugene (1831–1906), on upper-Rhône gorge 203
Rhône, upper, loss of 200–204
Riesengebirgsverein (RGV), Karkonosze Mountains 223
Rift Sump, Carlswark Cavern 165
roads, mapping 135
Rock Garden, Merlin Cavern 161, 165
‘romantic gaze’ 43
Romantic movement 8, 13, 19, 95
Peak District 132
Scottish landscape 27–30, 32, 33
and waterfalls 41–55
Romanticism 41
see also neo-Romanticism
Rome, The Grand Tour 9
Rowlandson, Thomas (1756–1827) A high waterfall 42
Roy, Major-General William (1726–1790), military maps 135
Royal Geographical Society 12
Royal Geological Society of Cornwall 96
Carclaze tin mine 190
Royal Society 9
Royal Society of Arts, accurate surveying prize 138
Royal Society of Edinburgh, Boulder Committee 32
Ruisdael, Jacob van (1628–1682), geomorphological accuracy 73, 75–76, 80
‘ruralism’ 71
Ruskin, John (1819–1900) 31, 54
Saal, Georg (1817–1870), Vulkaneifel 62–63
St Austell
Carclaze tin mine 187–195
china clay mining 187–188, 193, 195
Salisbury Crags, Edinburgh 32
Saussure, Horace-Bénédict de (1740–1799), Voyages dans les Alpes (1779) 201, 204
Saxton, Christopher (c. 1542–c. 1610), Atlas of the Counties of England and Wales (1579) 132, 133
Scandinavia, travellers 11
Sheveningen
sea-way 74, 79
seventeenth century Dutch landscapes 74–75, 78
Scotland
geology and physical landscape 25–36
tourism of awe 27–31
Scott, Sir Walter (1771–1832), Romantic movement and landscape 30
Scottish Parliament, geological wall 33
sea-way, The Hague to Scheveningen, Sir Constantijn Huygens 74, 79
Sedgwick, Adam (1785–1873), Carclaze tin mine 190
Serbia, loess-palaeosol sequences 231, 232–238
‘shambling’ 189
Short, Dr Thomas, Natural, Experimental and Medicinal History of Mineral Waters (1734) 160, 162
Siccar Point unconformity 25
Sierroz gorge 199, 200, 204–205, 206, 207, 208
Simpson, Samuel, map of Derbyshire (1746) 135, 137
Sites of Special Scientific Interest 33
Stoney Middleton Dale caves 157–168
Skalní chrám 220
Skeat, Ethel (1869–1939), Chester Society for Natural Science 99
Slingby, William Cecil, Lyngen glaciers 88–89
Smith, William (1769–1839) A Delineation of the Strata of England and Wales with Part of Scotland (1815) 132, 139, 141, 151
County Geological Atlas (1819) 132
Śniezne Kotły cirque 222, 223
Society of Antiquaries 12
Somerset, travels of William George Maton 174, 175, 180–181, 182
sough drainage, Stoney Middleton Dale 159–160
Southey, Robert (1774–1843) see Espriella, Don Manuel Alvarez
spas, Sudetes mountains 217
Speed, John (1552–1629) Darbshire described (1610) 134, 135
The Theatre of the Empire of Great Britain (1610) 132, 133
on waterfalls 51
speleothems, Stoney Middleton Dale SSSI
Carlswark Cavern 158, 160, 162–165
Merlin Cavern 158, 165–166
Staffa 27, 28, 29, 30
stalactites 162, 163
stalagmites 162, 163, 167
Photographic Supplement (1913) 143
Stari Slankamen 231
Stean Slankament 231, 237, 238
steamships, and tourism
River Danube 230–231
River Dee 109, 111
Scotland 31
Sierroz gorge 207
Stebbing, William Pinckard Delane (1873–1961) Geologists’ Association archivist 120–121
Steno, Nicholas (1638–1686) 12, 19
Stevin, Simon (1548–1620), sailing car 73, 74, 77
Stolowe Mountains 216, 218
geology 217–218
tourism 220, 226
<table>
<thead>
<tr>
<th>Terms</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoney Middleton Dale caves, Derbyshire</td>
<td>157–168, 158, 161</td>
</tr>
<tr>
<td>Carlswark Cavern</td>
<td>160, 162–165</td>
</tr>
<tr>
<td>educational interest</td>
<td>159</td>
</tr>
<tr>
<td>flora and fauna</td>
<td>159</td>
</tr>
<tr>
<td>geology</td>
<td>159</td>
</tr>
<tr>
<td>industrial heritage</td>
<td>159–160, 166</td>
</tr>
<tr>
<td>Merlin Cavern</td>
<td>165–168</td>
</tr>
<tr>
<td>recreational caving</td>
<td>159, 160</td>
</tr>
<tr>
<td>Strupbreen glacier</td>
<td>88, 89</td>
</tr>
<tr>
<td>Strupvatnet lake</td>
<td>88–89</td>
</tr>
<tr>
<td>Stub Scrin, Merlin Cavern</td>
<td>166</td>
</tr>
<tr>
<td>Sublime movement</td>
<td>13, 27, 41, 47, 51</td>
</tr>
<tr>
<td>pleasures of hardship</td>
<td>27, 41, 51, 53</td>
</tr>
<tr>
<td>volcanoes</td>
<td>60</td>
</tr>
<tr>
<td>Sudetes mountains</td>
<td>216–217, 216</td>
</tr>
<tr>
<td>pre-World War II</td>
<td>225</td>
</tr>
<tr>
<td>mining</td>
<td>217</td>
</tr>
<tr>
<td>political history</td>
<td>217, 220</td>
</tr>
<tr>
<td>thermal spas</td>
<td>217</td>
</tr>
<tr>
<td>surveying</td>
<td>133–135, 138–139</td>
</tr>
<tr>
<td>Swallow Falls, payment to view</td>
<td>54</td>
</tr>
<tr>
<td>Switzerland, The Grand Tour</td>
<td>9</td>
</tr>
<tr>
<td>Taylor, John (1580–1653)</td>
<td>15</td>
</tr>
<tr>
<td>Teplice Rock City</td>
<td>220, 225</td>
</tr>
<tr>
<td>geotourism</td>
<td>220, 221</td>
</tr>
<tr>
<td>Terni, Cascade of</td>
<td>52</td>
</tr>
<tr>
<td>textbooks, geological, nineteenth century</td>
<td>142–144</td>
</tr>
<tr>
<td>Thomas Cook’s tours</td>
<td>31</td>
</tr>
<tr>
<td>Thomson, Thomas (1773–1852), on Sweden</td>
<td>11</td>
</tr>
<tr>
<td>Thornton Force</td>
<td>54</td>
</tr>
<tr>
<td>tin mining</td>
<td>187–195</td>
</tr>
<tr>
<td>travels of William George Maton</td>
<td>177, 179</td>
</tr>
<tr>
<td>Titel loess plateau</td>
<td>231, 235, 236</td>
</tr>
<tr>
<td>topography, depiction in early maps</td>
<td>132, 133–135</td>
</tr>
<tr>
<td>colour layering</td>
<td>134</td>
</tr>
<tr>
<td>contours</td>
<td>134</td>
</tr>
<tr>
<td>hachures</td>
<td>133–134</td>
</tr>
<tr>
<td>hill shading</td>
<td>135</td>
</tr>
<tr>
<td>Torrington, Viscount</td>
<td>see Byng, John</td>
</tr>
<tr>
<td>tors, Sudetes mountains</td>
<td>219, 223, 225</td>
</tr>
<tr>
<td>tourism</td>
<td>10–11</td>
</tr>
<tr>
<td>eighteenth century</td>
<td>19</td>
</tr>
<tr>
<td>expansion due to industrial development</td>
<td>31</td>
</tr>
<tr>
<td>French Alps</td>
<td>199–212</td>
</tr>
<tr>
<td>improved access</td>
<td>53–55</td>
</tr>
<tr>
<td>nineteenth century</td>
<td>13, 14–15, 19</td>
</tr>
<tr>
<td>Scotland</td>
<td>27–31</td>
</tr>
<tr>
<td>Sudetes mountains</td>
<td>217, 218, 220–227</td>
</tr>
<tr>
<td>twentieth century</td>
<td>15</td>
</tr>
<tr>
<td>tourism of awe</td>
<td>27–30</td>
</tr>
<tr>
<td>‘tourist gaze’</td>
<td>10, 11</td>
</tr>
<tr>
<td>Tower Hill maar volcano</td>
<td>63, 64, 65, 68</td>
</tr>
<tr>
<td>trains</td>
<td>see railways</td>
</tr>
<tr>
<td>triangulation</td>
<td>138, 139</td>
</tr>
<tr>
<td>tub boats, Carclaze tin mine</td>
<td>189, 190, 194</td>
</tr>
<tr>
<td>Turner, Joseph William Mallard (1775–1851)</td>
<td>150</td>
</tr>
<tr>
<td>Cascade of Terni</td>
<td>52</td>
</tr>
<tr>
<td>High Force or Fall of Tees</td>
<td>44</td>
</tr>
<tr>
<td>Lake District landscapes</td>
<td>16</td>
</tr>
<tr>
<td>Loch Coruisk, Skye</td>
<td>30</td>
</tr>
<tr>
<td>Upper Falls of the Reichenbach: Rainbow</td>
<td>50</td>
</tr>
<tr>
<td>Tyndall, John, glaciology of Norway</td>
<td>85</td>
</tr>
<tr>
<td>uniformitarianism</td>
<td>19, 25, 54</td>
</tr>
<tr>
<td>Velde, Esaias van der (1587–1630), dune landscape</td>
<td>75, 79</td>
</tr>
<tr>
<td>Vesuvius</td>
<td>60–61</td>
</tr>
<tr>
<td>The Grand Tour travel writing</td>
<td>8</td>
</tr>
<tr>
<td>Victoria Falls</td>
<td>45</td>
</tr>
<tr>
<td>Vojvodina, north Serbia, loess-palaeosol sequences</td>
<td>230–238, 231</td>
</tr>
<tr>
<td>vulcanism, Australia</td>
<td>63–65, 66, 67</td>
</tr>
<tr>
<td>Vulcanism v. Neptunism</td>
<td>60</td>
</tr>
<tr>
<td>Vulkaneifel European Geopark</td>
<td>62, 67</td>
</tr>
<tr>
<td>Wanderer im Riesengebirge</td>
<td>223, 224</td>
</tr>
<tr>
<td>Ward Lock Guides</td>
<td>150, 152</td>
</tr>
<tr>
<td>Ward, Rev. R., geology of Derbyshire</td>
<td>150</td>
</tr>
<tr>
<td>waterfalls</td>
<td>6, 27, 28</td>
</tr>
<tr>
<td>as impediment to navigation</td>
<td>43</td>
</tr>
<tr>
<td>improved access to</td>
<td>53–55</td>
</tr>
<tr>
<td>Jamaica</td>
<td>54–55</td>
</tr>
<tr>
<td>and romantic love</td>
<td>55</td>
</tr>
<tr>
<td>Romantic movement</td>
<td>41–55</td>
</tr>
<tr>
<td>as source of power</td>
<td>43</td>
</tr>
<tr>
<td>twentieth century</td>
<td>54–55</td>
</tr>
<tr>
<td>Watergrove Mine</td>
<td>159</td>
</tr>
<tr>
<td>Watson, White (1760–1835), on geology of Derbyshire</td>
<td>146</td>
</tr>
<tr>
<td>West, Thomas (1720–1779)</td>
<td>150</td>
</tr>
<tr>
<td>A Guide to the Lakes (1778)</td>
<td>17, 49</td>
</tr>
<tr>
<td>Peak District appendix</td>
<td>146</td>
</tr>
<tr>
<td>Picturesque movement</td>
<td>14</td>
</tr>
<tr>
<td>waterfalls</td>
<td>49, 51, 53</td>
</tr>
<tr>
<td>whale strandings, seventeenth century Dutch art</td>
<td>73–74, 76</td>
</tr>
<tr>
<td>Wheal Eliza tin mine</td>
<td>187, 188</td>
</tr>
<tr>
<td>Wheal Martyn</td>
<td>188</td>
</tr>
<tr>
<td>Whitehurst, John (1713–1788), An Inquiry into the Original State and Formation of the Earth (1778)</td>
<td>146</td>
</tr>
<tr>
<td>Wilkinson, Rev. Joseph (1764–1831), Select Views in Cumberland, Westmoreland and Lancashire</td>
<td>17</td>
</tr>
<tr>
<td>Windham, William (1717–1761), Mer de Glace, Chamonix</td>
<td>199</td>
</tr>
<tr>
<td>women, role in early geological societies</td>
<td>101, 102, 106–109</td>
</tr>
<tr>
<td>Wonder Cavern</td>
<td>see Carlswark Cavern</td>
</tr>
<tr>
<td>Wonder Scrin, Carlswark Cavern</td>
<td>160, 161, 162</td>
</tr>
<tr>
<td>Woodstock Field Naturalists’ Club</td>
<td>96</td>
</tr>
<tr>
<td>Woodward, Horace B. (1848–1914), The Geology of England and Wales</td>
<td>1876) 142, 144</td>
</tr>
</tbody>
</table>
Woolhope Naturalists’ Field Club 96, 97–98
excursions 98, 101–102, 103, 115
transport 109, 111
geotourism 101–103
interaction with other societies 107, 109
membership 102–103
honorary members 110, 111
role of women 102, 106–108
museum 113, 114
prizes 112–113
Transactions 111, 112, 114
Wordsworth, William (1770–1850) crossing the Alps 9

on Lake District 13–14, 17–18, 49
on waterfalls 49
Worm, Ole (1588–1655) 11–12
Wyndham, Henry Penruddocke (1736–1819),
A Gentleman’s Tour . . . (1775) 49
Yorkshire Geological Society 96
Young, Arthur (1741–1820)
Lake District landscapes 17
on waterfalls 49, 51, 53
Zandvoort, seventeenth century Dutch landscapes 73