

Index

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

- Abel, Othenio 222–223, 225
Abū Alī al-Husayn ibn Abd Allāh ibn Sīnā 1
adder gems 176
adderstones 5, 163, 176, 176, 181, 183
aetites *see* eagle-stones
Agricola, Georg 2, **157**
Agrippa von Nettesheim, Henry Cornelius 263
Ahmad al-Tifāshī 270
Ahmad ibn Yusuf al-Tifāchī 1
Al-Biruni, Abu al-Rayhan Muhammad ibn
 Ahmad 1, 168, 169, 270
Alberonius *see* Al-Biruni
Albertus Magnus 2, **157**
Alectorius (Capon Stone) 5, 155–156
 benefits 158
 composition 158–160
 first references 156–157
 origins 157–158, **157**
Alessandri, Alessandro degli 56
alexipharmics *see* poison antidotes
Alfonso the Wise (of Castile; León Alfonso X)
 157, 196, 197, 270
alicon 211
amber 221
Amico, Diomedes 239
ammonites 5, 171–175, 172, 173, 174
ammunition manufacture 286
amulets, reasons for wearing 1, 222, 262
Androvandi, Ulisse 2, 9
Anthoinette de Saveuses 222
anthrax, early studies 110
antibacterials, Lemnian earth for 145, 148, 151, 152
antitoxins *see* poison antidotes
Arbuthnot, John 184
Arctocyon 121, 122–123, 123, 124, 124
Argentina, eagle-stones 203, 205
Arnold of Saxony **157**
arsenic and arsenic-based compounds 137–138
 dangers of 110
 list of 137
assay cups 219, 219
Asterias 15, 16
Astroites 15, 16
astrology, role of 263, 264
Aumonier, Jacques-Marie 117
Avicenna (Ibn Sīnā) 270, 274, 275

Bacci, Andrea 247
Bacon, Francis 2
Balard, Antoine Jerome 284
Barba, Álvaro Alonso 199
Barbette, Paul 242
Bartholin, Caspar, the elder 13, 216, 217, 217, 231
Bartholin, Caspar the younger 218
Bartholin, Thomas 58, 217, 217
Bartholomaeus Anglicus 2, **157**
bathing waters, growth in popularity 35
Baumann's Cave 223

Bausch, Johann Lorenz 224, 226
Belgian Black Stone 163
Bertrand, Emile 201
bezoar stones 221, 233, 279, 280
Bianchi, Giovanni 60
Biblical Flood 96
Bjelke, Jens 14, 18, 20
Black Stone 163
Boccaccio, Giovanni 56
Bolivia, eagle-stones tradition 203, 205
Boodt, Alselm Boetius de 2, 175
Borlase, William 183
brachiopod fossils, as eagle-stones 202–203, 203, 204
Browne, Thomas 228, 228, 247
Buckland, William 94, 95, 96
Buffon, Georges-Louis Leclerc Comte de 81

cabinets of curiosities (Kunstammern) 278–280
Cagnola Award 3, 48
Calceolari, Francesco 2, 56
Calvin, Jean 9
Camden, William 190
Campbell, John Francis 190
Campy, David de Planis 234
Capon Stone *see* Alectorius
Cardano, Gerolamo 3, 56–57, 262
Carmichael, Alexander 188
Castelo Branco João Rodrigues de 235
Catholicism, impact of 9–10, 263
Catullo, Tommaso Antonio 3, 61–62
cave bear (*Ursus spelaeus*) 223
cave hyaena (*Crocuta crocuta*) 223
Ceratites lapis 227, 228
Cernay Conglomerate 4
 choristodere 118–119
 giant birds 119–120
 Lemoine Quarry 118, 128
 links to American fauna 124–126
 mammals 120–121
 stratigraphy 118
 vertebrates 117–118, 122–124
Cesalpino, Andrea 56, 229, 229
chalybeate waters 44
Champsosaurus 119
Charas, Moysse 170
childbirth
 eagle-stones 196
 snakestone bead 183
 unicorn horn 238
choristodere 118–119
Cimolia earth 134, **134**, 135, 136
cinnabar 284
clach na thrach (adderstones) 163, 176, 176, 181, 183
Clarkeia antisiensis 203, 205
cobra stones (Pedra de Cobra; *pierres de cobra*)
 163, 170, 170, 171
Collinson, Peter 79, 80, 81
confections 246

- conserves 246
 Contarini, Nicolò 17
 Contrimoulins, Gaston 126
 Conybeare, Edward 190
 Cope, Edward Drinker 4, 120, 124–125, 125
 coral 6
 accounts in lapidaries 267
 cabinets of curiosities 278–280
 colour variation 267, 268, 269, 273, 278
 fossil 267
 medical treatments 274–278
Cornu fossile 228
Cornua Lapis 229
 Cotteau, Gustave 128
 cramp-stones 174
 Crick Stone 183
 Crivelli, Giuseppe Balsamo 63–64
Crocodylus lucius 124
 Croghan, George 79
 crust, structure according to Pilla 65
 Culpeper, Nicholas 238, 238, 240, 261, 263
 Curioni, Julius 48
 Cuvier, Georges 15, 83, 93, 225

 da Costa, Emanuel Mendes 4, 236
Dactyloceras spp. 171, 173
 Damigeron 157
 Danny Jewel 221–222, 221
 Davy, John 170
 de Beauvais, Vincent 2, 157
 De Boodt, Anselm Boetius 227, 228
 de Cervantes, Miguel 200
 de Crassis, Nicolai 245
 de Ercilla, Alonso 200
 De Giorgi, Cosimo 71–72
 de Luc, Jean André 92
 de Mena, Juan 200
 de Thaon, Phillippe 157
Diatryma 120
 Dioscorides (Pedanius Dioscorides) 1, 5, 133,
 134, 136, 138, 155, 156, 157, 196,
 198, 229, 267, 276
 disease treatment *see* Alectorius; amulets; coral;
 eagle-stones; Earths; serpent stones;
 snakestone beads; unicorn horn
 Doctrine of Signatures 1
 Dollo, Louis 4, 119, 119
 Donovan, Edward 92
 dragonstones 5, 164–168
 Lucerne 165–166, 166, 167
 Druid's Beads 175–176
 Druid's Eggs 175–176, 181
 Druid's Glass 175–176
 Ducrotay de Blainville, Henri 115
 Duncan, Cecil Cooke 4, 109–111
 Duncan, Peter Martin 4, 107, 108–109

 eagle, role in folklore 197–198, 197
 eagle-stones (aetites) 5, 195, 196, 199, 264–265, 277
 properties 206–207
 role in Spanish folklore 196–199
 South American connection 200–202, 202–203
 Earths, geotherapeutic 133–136
 see also Lemnian earth

Ebur Ustum see Unicorn Fossile
 echinoids and spines 1, 175
 ovum anguinum 181, 182
 Eck, André 117
 electuaries 245
 elephant (*Palaeoloxodon*) 223, 230
 elf-shot (elf-arrow) 188, 189
 elk's claw 222
 emeralds 221, 263
 Epsom, purging waters 35, 40
 Epsom Salts 3, 40, 44
 Eretrian earth 134, 134
 Estorch Siqués, Pau 4, 103–106, 103
 Etna 63, 63, 70
 Eudes-Deslongchamps, Jacques-Amand 115
 Evans, John 186
 evolution, views on 129
 extinction, views on 82, 93–94

 fairy darts 188
 Falloppio, Gabriele 56
 Faraday, Michael 170
 Ferrante Imperato 2
 Fichtel, Leopold von 92
 Fincke, Thomas 13, 14
 Fontana, Felice 170
 fossils
 ammonites 171–175, 172, 173, 174
 brachiopods, as eagle-stones 202–203, 203, 204
 first systematic study 2
 as stratigraphic tool 70, 70
 mastodon 79, 80, 81
 William Hunter studies 79–83
 study by Otto Sperling 15–16
 writings by James Parkinson 91–92
 see also Cernay Conglomerate
 Fracastoro, Girolamo 3, 55–56, 56
 Francasco Calceolari 2
 Franklin, Benjamin 79
 Fraundorffer, Philip 233, 241
 Frikasz, Joannes 230–231
 Fuires, Georg 13, 15
 Fust, Johann 10

 Gaius Plinius Secundus *see* Pliny the Elder
 Galen of Pergamon 1, 5, 133, 134, 134, 136, 138, 269
 galena 283
 Gálvez y Gallardo, Joseph 201
Gastornis 118, 119, 120, 120, 123, 129
 Gaudry, Albert 121, 121
Gavialis 124
 Gemmellaro, Carlo 3, 62–63
 Gemmellaro, Gaetano Giorgio 3, 70–71
 gemstones, as ornament or medicine 261–262
 geochemical analysis, Shooter's Hill well water 43
 geodes 265
 geology
 first University Chair founded 55
 word first coined 2, 9
 geotherapeutics 133
 Gerard of Cremona 169
 Gervais, Paul 117–118, 117
 Gessner, Conrad 2, 15–16, 175, 216
 Gibraltar bone breccia 93, 93

- Gilbertus Anglicus 274, 276
 Gjedde, Ove 21
glain neidr (*glain naddroed*; *glain nadredd*) 176, 181, 182
 Godbid, William 38
 Gómez Ortega, Casimiro 201, 207
 Granger, Walter 120
 Great Cordial 237
 Grew, Nehemiah 40
 Grey, Elizabeth 245, 245
 Guericke, Otto von 222, 223
 Günther, Friedrich 14
 Gutenberg, Johannes 10
 Guy, John 35
- haematite 136
 hag-stones 189, 191
 Harvey, Gideon 240, 241, 246
 Héroard, Jean 239
Hesperornis 119
 Hildegard of Bingen 2, 214, 214, 222
Hildoceras spp. 171
 Hill, John 4, 230, 236, 236, 247
 Hippocrates **134**
 histology, role in Victor Lemoine researches 122–124
 Hobbes, Thomas 15, 30
 Hodges, Nathaniel 239
 early education 37–38
 medical practice 38
 plaque to honour 39
 Hoffman, Frederick 235
 Hohenheim, P.A.T.B. von *see* Paracelsus
Hortus Sanitatis **157**, 238
 Hungarian Powder 240
 Hunter, John 77, 85, 87
 Hunter, William 4, 77
 interest in mastodon/Irish deer 79–83
 theological beliefs 97, 98
 Hunterian Museum 92, 94
- Ibn Sīnā (Avicenna) 270, 274, 275
 Ibn Wafid 270
 Ibn-Wahshiyah (Abu Bakr Ahmed Ibn Ali ibn Qays al-Wahshiya) 169
Ichthyornis 119
 Imperato, Ferrante 2
 Irish 'elk' deer 81, 82
 Isaac ben-Solomon Israeli 274
 Isidore of Seville 2, **157**, 196, 213, 269
 Islington Spa 35
 Italy 3
 first university chair of geology 55
 geological map 64
 geology and medicine
 Middle Ages 55–57
 seventeenth century 57–60
 eighteenth century 60–63
 nineteenth century 63–72
- Jameson, Robert 63, 83
 jasper 1, 262
 Jefferson, Thomas 81
 Joass, James 187
- Kellwaye, Simon 244
 kenne 234, 235
 Keynsham, link with ammonites 173–174
 Kircher, Athanasius 170
 kohl 283
- labour *see* childbirth
Lacrimae Cervinae 234
 Laguna, Andrés 197, 198
 Lamanon, Robert de Paul de 225
 Lamarck, Jean-Baptiste 63
 Lambeth Spa 35
 Lang, Johannes 241
 Lang, Karl Nicolaus 56
 lapis lazuli 1
Lapis ophites (*also serpentinus, serpentis*) 163
Lapis stellaris 15, 16
 Laskey, John 92
 le Breton, Charles 240
 Le Febure, Nicolas 237
 lead 6
 automotive use 284–285
 characteristics 283
 health effects 287–289
 isotopes 287
 military use 285–286
 mining and smelting 284
 uses 284
- Leibniz, Gottfried Wilhelm von 222, 223, 223, 224
 Lemnian earth 4, 133, 134, 135, 136, 141
 analytical study
 methods 145–149
 results **146**, 147, **147**, 148, 149–152
 results discussed 152–153
 location 142, 144
 preparation 144
 sphragis 4, 5, 143
 Lemnius, Levinus 239
 Lemnos, source of medicinal earths 4, 142, 142, 144
 Lemoine, Victor 4, 115, 116
 early life 115–116
 researches on Cenay Conglomerate
 choristodere 118–119
 giant birds 119–120
 links to American fauna 124–126
 vertebrates 116–118, 122–124
 work with X-rays 126–128
 Lemoine Quarry 118, 128
 Lhwyd, Edward 87, 88, 91
 Lister, Martin 18, 56
Lithomarga Alba *see* *Unicornu Fossile*
 Loewig, Carl Jacob 284
 Lombardini, Elia 48
 London Clay Formation 3, 41, 43
 Lucerne dragonstone 165–166, 166, 167
 lucky stones 190
 Lusitanus, Amatus 235
 Luther, Martin 9
 Lyell, Charles 55, 63, 67, 70
- maen magl* 176, 181, 182
magnes venenorum 104–105
 magnesium ion concentration, Shooter's Hill waters 43, 44

- malachite 1
Mandeville, Jean **157**
Manget, Jean-Jacques 231, 231
Mantell, Gideon 115
Marbode of Rennes **157**, 269
Marini, Andrae 247
Marsh, James 43
Marsh, Othniel Charles 4, 119, 120, 121
Martin, Larry 120
mastodon tooth, tusk and fossil remains 79, 80, 81
Matthew, William Diller 120
Megaloceras giganteus 81, 84
Megenberg, Konrad von 2, **157**
Men-an-Tol (Cornwall) 183, 184
Meneghini, Giuseppe Giovanni Antonio 3, 67–68
Mercati, Michel 2, 56
mercury 136–137
Metrodorus 269
Mexía, Pedro 200
Mexico, eagle-stones tradition 201–202
Midgeley, Thomas 284–285
Milan
 cemeteries and pollution 48–50
 chemical analysis of water 48, **50**
 city of water 47
 contour map 49
 future of cremation 50
 hospital and hygiene 50–52, 51
 lessons from EXPO 53
 water supply competition 52–53
 water supply problem 3, 48
 wells (shallow dug v. drilled) 50
milpreve 163, 181
mineral unicorn 236–237
mineral waters, growth of use 3, 35
mineralogy, Lemnian earths **146**, 147, 149
Monoceron 216
Monoceros 213
Mont de Berru 117, 128
Moult, Francis 40
Muhamad ibn Zakariyā Rāzī 1
Murchison, Roderick Impey 65, 67
Mylus, Johannes Daniel 243, 243, 246
Mynsicht, Adrianus von 233, 233, 237, 238, 240–241, 244
narwhal 248
 tusk link to unicorn 215–216, 217, 219, 221, 221
 Unicornum Falsum and *Unicornum Marinum* 226, 227
Neoplagiaulax 121, 122
neurology, role in Victor Lemoine researches 122–124
Nicols, Thomas 177
obstetrics *see* childbirth
Ohio incognitum 79, 82, 83
Ole Worm 2, 10, 13, 15, 17, 20, 23, 26, 91, 216, 216, 235
Ophites 5, 176–178, 177
Orthocene 118
Osborn, Henry Fairfield 4, 125–126, 126
ovum anguinum 5, 175, 175, 181, 182, 183
Owen, Richard 115
Pannonian Powder 240
Paracelsus (Philippus Aureolus Theophrastus Bombastus von Hohenheim) 2, 233, 244, 244, 263
Paré, Ambroise 247, 247
Parkinson, James 4, 77, 115
 interest in fossils 87, 91–92
 London home 78
 ‘*Organic Remains of a Former World*’ 91, 92, 94, 97
 ‘*Outlines of Oryctology*’ 94–96
 political activities 79
 shaking palsy 98
 views on extinction 93
Patterson, Clair Cameron 287
Paul of Aegina 269
Pavesi, Angelo 48
Pedanius Dioscorides 1, 133, **134**, 136, 138, 155, 156, **157**, 196, 198, 229, 267, 276
Pedra de Cobra (cobra stones) 170, 170, 171
pedra escurçonera 104, 105
Pennant, Thomas 183, 184, 185, 186, 189
Pesina, Thomas John 224
Peter of Spain (Petrus Hispanus) 270–273, 271, 272, 273, 274
Phillips, Samuel Edmund 41, 42
pedra negra 163
pierres de cobra 163
Pietra Leccese 71–72
Pilla, Leopoldo 3, 64–65
Pirona, Giulio Andrea 3, 68–70
Plagiaulax 121, 122
plague 38, 239
 treatment 141, 233, 239, 241, 244, 246
Plancus, Janus 60
Plesiadapis 121
Pleuraspidotherium 121, 123, 124, 124
Pliny the Elder 1, 138, 155, **157**, 163, 164, 168, 174, 175, 177, 181, 190, 196, 213, 268
Plot, Robert 56
poison antidotes
 earth 134
 snakestone beads 186
 unicorn horn 219, 231, 235, 245, 249
Polli, Giovanni 48
Pollio, Marcus Vitruvius 287
Ponzi, Giuseppe 3, 65–66
pregnant stone 265
Primrose, James 235
printing, first developed 2, 10
professionalism, evolution from nineteenth–twentieth centuries 107–108, 111–112
prophecy and visions 190
Protestantism 9, 263
public analysis, role of 110
Purging Wells 35
Rabanus Maurus Magentius 2
Raimondi, Antonio 203
Raleigh, Walter 237, 237
Ramazzini, Bernardino 57–58, 57

- Ray, John 17, 18, 56
 Redi, Francesco 170
 Reiski, Johann 56
 Rhazes (Muhammad ibn Zakariyā Rāzī) 1, 169
 rhinoceros 213, 219, 219
 apothecaries coat of arms 211, 212
 horn link with unicorn 226
 Richard of Wendover 274
 Roman Catholicism, impact of 9–10, 263
 Roman thermal springs 35
 Röntgen, Wilhem Conrad 126
 Rotondi, Ermenegildo 48
 rouge 283–284
- Sadler's Wells 35
 St Germain, Charles de 243–244
 St Hilda of Whitby 171–172
 St Keyna 173
 Samian earth 133, 135, 136
 Scacchi, Giuseppe Arcangelo 3, 66–67
 Scheuchzer, Johann Jacob 224, 225, 226
 Schlosser, Max 128
 Schöffler, Peter 10
 Schröder, Johann 229, 230, 245
 Schulz, Johann 236
 Sehested, Hannibal 23, 24
 Sennert, Daniel 226, 226
 Serao, Francesco 3, 60–61
 serpent stones 5
 first references 163–164
 modern usage 178
 types
 ammonites 171–175
 dragonstones 164–168
 serpentine 176–178
 snake beads 175–176
 snakestones 168–171
 variety of names 163
 serpentine (*Ophites*) 5, 176–178, 177
 Sharp, Jane 240
 sheep dip, study of dangers 110
 Shooter's Hill (Woolwich) 3, 35
 first publicized 36–37
 geological map 42
 hydrogeology 41–43
 lined wells 39
 military academy 40
 ordnance survey map 36
 well location 41
 well water geochemistry 43, 44
 silver mining, Kongsberg 21, 21
Simoodosaurus lemoinei 118, 119
 Skulason, Thorlak 17
 Sloane, Hans 133, 134, 135–136, 229–230
 snakebite poison treatment 134, 186
 snakestone beads 5, 175–176
 examples 181–183
 for luck and prosperity 190
 medicinal uses 189–190
 childbirth 183
 diseases 183–185
 livestock disease 187–189
 snakebite 186–187
 in witchcraft 190–192
 snakestones 5, 168–171
 solar unicorn 237–238
 South America, eagle-stones tradition 200–205
 spa centres, growth of 35
 Sperling, Otto 3, 10
 appointed vicar 13
 autobiography 10, 11, 12, 29
 Contarini garden 17–18
 death sentence 28–29
 early years 13–15
 encounters with fossils 15–16
 life in Bergen 18–20
 medical studies 16–17
 mineral collecting 24–26
 North Sea journey 18
 in Copenhagen 23–24
 return to Denmark 20–21
 visit to Spain 24
 writings and languages 10–13
 sphragides, Basel collection 141–142
 Spiegelius, Adrianus 16, 17
 spindle whorls 182, 182
Spirifer condor 205
Spodium Eboris see *Unicornu Fossile*
 spring waters, growth in popularity 35
 stag's tears 234, 235
 starstones 15, 16
 Stelluti, Francesco 56
 Steno, Nicolas (Nicolaus Steninius; Niels Stensen) 2, 3, 9, 17, 18, 58–59
 Stoppani, Antonio 48
 Stougaard, Christen 15
 sulphate ion concentration, Shooter's Hill waters 43, 44
 Sydenham Spa 35
- Teilhard de Chardin, Pierre 128
Terra Lemnia see Lemnian earth
Terra Sigillata 4, 233
 Basel collection 141–142
Terra Sigillata Lemnia 133, 134, 135, 136
Terra Sigillata Strigoniensis 236
Terra Silesiaca 236
 tetraethyl lead 284, 285, 287
 thermal springs 35
 Thirty Years War 9
 Thomas of Cantimpré 2
Thoracosaurus 124
 toad-stone 6, 264, 264
 Topsell, Edward 235, 239, 242
 Torrubia, Joseph 198
 Toucas, Aristide 128
 tragema 246
 turquoise 262
- Ulfeldt, Corfitz 3, 10, 22–23, 23, 24, 26, 27, 28, 30
 unicorn 5–6, 211
 apothecaries coat of arms 211, 212
 first appearance in literature 212–213
 medieval 213–214, 213
 hoof 222

- unicorn (*Continued*)
 horn
 alexipharmic properties 214
 as amulets 221
 healing cups 218–221
 healing properties 214
 medicinal uses 230–236
 simples 238–239
 confections 246
 conserves 246
 cordials 241–242
 electuaries 245
 extracts 243
 infusions 239
 oils 243
 opiates 243–245
 powders 239–241
 tinctures 243
 true, false or fossil 222–230
 mineral unicorn 236–237
 solar unicorn 237–238
 variety of form 215, 215
Unicornu Fossile (Spodium Eboris; Lithomarga Alba)
 223, 229, 230, 230, 231, 233
Unicornu Minerale 236–237
Unicornu Solare 237–238
Unicornum Falsum 226
Unicornum Verum 226
- Ure, David 183–184, 185, 189
 Urne, Christoffer 20
- Valentine, Basil 235
 Valentini, Michael Bernhard 2, 222, 224, 225
 Vallisneri, Antonio 3, 59–60
 Vesalius, Andreas 2
 Vesuvius 64, 65, 67
 viper bites 134
 vision and prophesy 190
 Volkmann, Georg Anton 236
 vulture (eagle) role in folklore 197
- waters for bathing and drinking, growth of popularity 35
 Whitby, link to ammonites 171–173, 173
 white lead 283
 Williams, William 241–242
 witchcraft 190–191
 Wodrow, Robert 89, 91
 Woodward, John 89, 90, 91, 93
 woolly mammoth (*Mammuthus primigenius*)
 223, 229, 230
 woolly rhinoceros (*Coelodonta antiquitatus*) 223
- X-rays, discovery and use in palaeontology 126–128
- Zwelfer, Johann 233
 Zwingli, Ulrich 9