

CONTENTS

PREFACE

1.	THE THREE ESTATES AND A GENTLEMAN VISITOR	I
2.	GOD, DAMNATION, AND THE QUEEN'S COMMISSIONERS	10
3.	TOWN AND COUNTRY	18
4.	HACKS AND POETS	24
5.	THE RISE OF MEDICINE	28
6.	CONTRASTS – RAMSAY AND THOMSON	36
7.	LADY WARDLAW AND THE ROMANTICS	44
8.	GLASGOW, LONDON, AND SHERIFFMUIR	50
9.	A TIME OF CHANGE	57
10.	TO CULLODEN MOOR	67
11.	SCIENCE AND PHILOSOPHY	78
12.	TWO CHEMISTS – CULLEN AND BLACK	82
13.	JAMES HUTTON, GEOLOGIST	87
14.	JAMES WATT	95
15.	ADAM SMITH	101
16.	DAVID HUME, PHILOSOPHER	107

17.	THE RESPONSE TO HUME	112
18.	EDINBURGH AND ROBERT FERGUSON	118
19.	OSSIAN	122
20.	THE ASTRONOMERS	127
21.	THE BACKGROUND OF TECHNICS	133
22.	COLLEAGUES OF WATT	139
23.	THE BUILDERS – ARCHITECTS	149
24.	THE BUILDERS – CANALS, BRIDGES, AND ROADS	157
25.	THE BUILDERS – STEAMSHIPS	162
26.	THE IMPROVERS	167
27.	THE POLITICAL AWAKENING	178
28.	A LAST WORD ON WORDS	188
	REFERENCES	200
	SELECTED CHRONOLOGY	205
	INDEX	221

INDEX

- Adam brothers 149 et seq
 Aikman, William 61
 Anne, Queen 3, 17
 Anderson, James 156
 Aberdeen Angus 174
 Act (Treaty) of Union 5, 8-9, 12-17, 18, 21, 25, 26, 27, 36, 37, 39, 42, 46, 51, 52, 54, 59, 75, 101, 116, 117, 167, 178, 180, 182, 189
 Act of Security 15
 Adelphi Fiasco 153-4
 Advocates' Library 23, 60, 182
 Agriculture 18, 67, 69, 72, 83, 88, 162, 163, 167, 169, 170-1, 173, 176
 American War of Independence 133, 142, 154, 178
 Anatomy 29, 30, 34, 56, 71, 87, 96
 Architecture 149-156, 159
 Astronomy 64, 96, 114, 127-132

 Belhaven, Lord 9, 13
 Bell, Patrick 173
 Bell, Henry 164
 Black, Joseph 78, 82, 83, 95, 179, 194
 Blacklock, Thomas 192
 Blair, Robert 62
 Blair, Hugh 123
 Boorhaave 30, 32, 70, 135, 169, 194
 Boston, Thomas 59, 108
 Bothwell 140
 Boswell, James 191
 Brougham, Henry (Lord) 56, 196
 Burns, Robert 190, 191
 Ballads 22, 24, 37, 41, 46, 47, 48, 49, 58, 63, 195, 197
 Bank of Scotland 162, 163
 Berwick 4, 5, 42
 Black Watch 179, 182
 Bleaching 137, 143-144
 Botany 29, 31, 34, 94, 96, 136
 Bridge Building 136, 157-160

 Calderwood, Mrs 179
 Cameron, Charles 155
 Campbell, Thomas 44, 193
 Carlyle, Alexander 'Jupiter' 58, 73, 79, 105, 122, 150, 181
 Carmichael, Gersholm 62
 Chambers, William 153, 155, 157, 160
 Charlotte, Queen 72, 82
 Clerk of Eldin 88
 Clerk, John (Sir) 17, 60, 70, 71, 75, 77, 119
 Cockburn, Lord 186
 Cockburn of Ormiston 19, 70
 Craig, James 117
 Cruickshank, Amos 174
 Cullen, William 33, 78, 80, 82
 Cumberland, Duke of 77, 131
 Calvinism (Calvinist) 10-12, 22, 26-27, 38, 41, 50-51, 61-66, 80, 94, 108, 111-113, 187, 194, 198
 Canal Building 137, 159, 160
 Canongate (Edinburgh) 3, 57, 74, 116, 120, 192
 Carron 136, 140, 142, 163
 Chemistry 29, 78, 82, 83, 84, 85, 87, 88, 135, 136, 142
 Church of Scotland 18, 21, 55, 58, 59, 63, 64, 72, 80, 127
 Claret 12, 23, 62, 68, 113, 192, 194
 Collieries & Coalmining 18, 42, 80, 92, 100, 139-140, 146, 150, 168, 181, 183, 185
 Culloden, Battle of 3, 57, 62, 66, 77, 176, 190

 Damian, John 134
 Darwin, Charles 93
 Davy, Humphrey 136
 Defoe, Daniel 3, 18, 21, 52
 Douglas, Gavin 188
 Drummond, William 38
 Dundas, Henry (Viscount Melville) 164, 180, 185, 186, 192, 195
 Dundonald (Arch. Cochrane) Earl of 144
 Darien Scheme 5, 17, 18, 167
 Death Penalty 70, 72
 Disarming Act 68
 Dyeing 136, 144

 Eglinton, Susanna (Countess of) 37, 62
 Edinburgh 1-4, 5, 6, 7, 12, 15, 16, 17, 20, 21, 24, 25, 26, 27, 29, 30, 32, 33, 36, 37, 38, 39, 41, 46, 47, 48, 51, 52, 55, 57, 58, 59, 60, 64, 68, 70, 71, 72, 74, 75, 79, 83, 85, 86, 87, 88, 89, 93, 102, 108, 109, 116, 117, 118, 122, 123, 129, 134, 139, 140, 141, 144, 149, 151,

- 156, 160, 169, 178, 180, 183, 185, 186, 191,
192, 194, 195, 196, 197, 198, 199
buildings 7, 20
castle 6, 169, 199
castle rock 93
City Guard 73-74
College of Physicians 28, 29, 30, 31
College of Surgeons 29, 33
mob 6, 13, 22, 73, 184
street cleaning 7-8
university 25, 29, 41, 51, 64, 79, 80, 84, 85,
86, 87, 99, 102, 108, 129, 131, 135, 136,
143, 151, 154, 163, 182, 195
Encyclopaedia Britannica 194
Episcopalianism 2, 12, 20, 21, 27, 58
- Ferguson, Adam 182-3
Ferguson, James 97, 127
Fergusson, Robert 116
Ferrier, Susan 194, 197
Fletcher of Saltoun 167, 171
Forbes, Duncan, of Culloden 41
Franklin, Benjamin 79
Faculty of Advocates 123, 196
Farming 19, 69, 72, 78, 88, 167-177, 182
Falkirk, Battle of 76, 142
Feudalism 79, 167, 183
Forth and Clyde Canal 142, 161, 163
French Revolution 178, 180, 183, 184, 186
- Galt, John 194, 197
George III 116, 153, 173
Grant of Monymusk 170
Gregory, David 30, 64
Gregory, James 34, 130
Gaelic 45, 140, 144, 179, 122-4, 182, 190
Gas Lighting 136, 145-146, 148
Glasgow 7, 26, 50, 51, 52, 57, 58, 59, 60, 62,
63, 65, 71, 79, 80, 97, 98, 102, 104, 116,
130, 135, 136, 142, 144, 164, 165, 178, 182,
183, 193
medical school 27, 32, 33, 34, 56, 62
mob 15, 178, 184
university 26, 34, 50, 51, 63, 64, 65, 82, 83,
84, 97, 98, 114, 130, 170, 182
- Glenshiel, Battle of 55
Greyfriars Churchyard 32
Gold 143
Gold Mining 134
Greenock 95, 96, 97, 116, 165, 192
Gunpowder 102, 139
- Hamilton, Duke of 9, 13, 16
Hamilton, Willy 61
Hogg, James 194
Home, John 150, 151, 181
Hume, David 60, 63, 102, 151
Hunter, John 34
Hunter, William 34
- Hutcheson, Francis 64, 101
Hutton, James 87, 145
Hanoverians 53, 54, 55, 77
Highlands and Highlanders 3, 45, 54, 55, 57,
67, 68, 72, 75, 76, 77, 122, 123, 125, 126,
131, 140, 141, 142, 144, 150, 160, 179, 180,
182, 183, 184
Holyrood Palace 3, 6, 75, 81, 157, 192, 199
- Inductive reasoning 45, 81, 89, 109
Industry (Industrial revolution) 26, 45, 50,
60, 133, 137, 139, 140, 146, 176
Italy 42, 130, 150, 151, 152, 153, 157, 188
- James IV 28
James VII 2
Jeffrey, Francis 130, 196
Johnson, Samuel 40, 158, 191
Jones, Inigo 2
Jacobite 13, 15, 20, 24, 32, 53, 54, 55, 57, 58,
61, 62, 67, 71, 74, 75, 77, 131, 155, 178,
188
- Kames (Henry Home) Lord 171
Kirk 8, 10, 12, 21, 22, 65, 95, 127
King's College, Aberdeen 34, 113
King's College, Cambridge 155
- Leyden, John 194, 195, 196
Leyden (town) 20, 28, 29, 30, 31, 32, 33, 80,
83, 86, 87, 135, 136, 143, 170, 188
Lunar Society 137
Latent Heat 85-86, 99, 114, 194
- Macadam, John 160
Mackintosh, Charles 144, 146, 165
McLaurin, Colin 71, 129
Macpherson, James 44, 122, 179, 181
Mar, Earl of 53
Meikle, James 72, 171
Millar, John 102, 182
Miller, Hugh 94, 194
Miller, Patrick 142, 162
Monro, Alexander 71, 82
Monro, John 28, 29
Muir, Thomas 185, 186, 187
Murdoch, William 145, 162
Mylne, Robert 157 et seq
Marrowmen 11, 22, 59, 65
Medicine 51, 64, 71, 78, 80, 82, 83, 84, 85,
87, 129, 136, 170
Middle classes 59-60, 79, 194
Miners 105, 177
Moral philosophy 65, 101, 102, 104, 114,
136, 197
Music 12, 57, 58, 62, 75, 99
- Napier, David 164
Napier, John 127

- Neilson, James 146
 Neville, Syllas 80, 89
 Natural philosophy 84, 93, 97, 98, 114, 118, 136
 Napoleonic wars 193, 196
 Newcomen Engine 99, 100, 143
 Northern Secretary 179

 Orange, William of 28
 Optics 114, 130
 Origin of the earth 91

 Paterson, William 17
 Percy 47
 Pitcairn, Archibald 22, 27, 30, 31, 194
 Pavlosk Palace 149
 Presbyterian(ism) 12, 16, 18, 21, 26, 51, 56, 57, 58, 62
 Prestonpans, Battle of 62, 75, 140
 Philiphaugh, Battle of 40
 Physicians, Edinburgh College of 28, 31
 Porteous Riot 72, 178
 Philosophy 29, 30, 57, 63, 64, 65, 71, 78, 81, 87, 101, 112, 113, 114, 124, 136, 199
 Phlogiston 85, 86, 89
 Plough, the 163, 168, 172-173
 Port Glasgow 51, 52, 164
 Potato, the 72, 167-168, 170
 Poverty 19-20, 21, 148, 163

 Quin, 42

 Raeburn, Henry 84
 Ramsay, Allan (pere) 25, 27, 36, 39
 Ramsay, Allan (fils) 39, 151
 Reid, Thomas 113, 193
 Rennie, John 159
 Robison, John 84, 98
 Roebuck, John 142
 Ruddiman, Thomas 60
 Rutherford, John 33, 82, 135
 Religion 6, 12, 26, 30, 53, 65, 94, 108, 170, 199
 Road Building 136, 159, 160
 Romanticism 40-41, 44, 45, 126
 Royal Society of Edinburgh 71, 89
 Runrig 168

 Scott, Walter 2, 47, 147, 188, 194
 Seafeld, Earl of 16, 54
 Shirref, Patrick 174
 Short, James 130
 Sibbald, Robert 28, 30-2
 Smellie, William 34
 Smith, Adam 56, 65, 79, 80, 87-9, 101, 109, 114, 148, 187
 Stevenson, Robert Louis 120, 199
 Stuart, Charles 74, 140
 Stuart, James 53, 55

 Symington, William 163
 Smollett, Tobias 34
 "Scots Job" 145
 Serfdom 80, 148
 Sheriffmuir, Battle of 54
 Surgeons, College of (Edinburgh) 29, 33
 Squadrone Volante 13
 Steam Engine 78, 79, 99, 100, 137, 159, 163
 Steam power 142, 162
 Steamship 162, 164, 165, 181
 Societies:
 Birmingham Lunar Society 137, 147, 148
 British Fishery Society 160
 Dalkeith Farming Society 173
 Edinburgh Philosophical Society 104, 132
 Edinburgh Society for Encouraging Arts, Sciences, Manufactures, and Agriculture 170
 Free Society 155
 Geological Society of Edinburgh 93
 Highland Society 173, 174
 London Constitutional Society 186
 London Corresponding Society 186
 Royal Society of Edinburgh 71, 89
 Royal Society of London 71, 113
 Select Society 102
 Society for Improving Arts & Sciences 71
 Society for the Improvement of Agriculture 72
 Society of Artists 155
 Society of Improvers of Knowledge of Agriculture 169
 Society of the Friends of the People in Scotland 183, 185

 Taylor, James 162-3
 Telford, Thomas 159
 Thomson, James 5, 25, 29, 191
 Thompson, d'Arcy 91, 93, 94
 Taverns 12, 22, 23, 32, 37, 42, 52, 61, 68, 79, 119
 Three Estates, The 2, 13
 Tobacco 51, 52, 182, 183
 Tolbooth, Edinburgh 2, 70, 72, 73, 74, 116
 Tron Kirk, Edinburgh 38, 70

 Urquhart, Thomas (Sir) 26

 Voltaire 45
 Volcanoes 91, 92

 Wade, George (General) 45, 67, 141
 Walpole 38, 67, 72, 154, 178, 180
 Wardlaw, Elizabeth 48, 126
 Watson, Hugh 174
 Watson, James 24, 27, 46
 Watt, James 88, 121, 128, 142
 Wilkie, David 118
 Wilson, Alexander 130
 Wodrow, James 51

- Wodrow, Robert 22, 26, 38
Waterproof 144, 146, 165
Weavers 51, 186
Winnowing Machine 171
Witchcraft & Witch-hunting 4, 11, 22, 33,
56, 72
Wood 139, 141, 142, 145