# Contents

Frontispiece vii  
Summary of major events in the life of J. W. Gregory viii  
Preface ix  
Chapter 1 Early life; family background and influences 1  
Chapter 2 Becoming a geologist; burning the candle at both ends 5  
Chapter 3 Assistant at the British Museum (Natural History) from 1887; early years 11  
  Publications 11  
  Echinoids 12  
  Eозoon 13  
  Corals 13  
  Petrology 13  
  Excursions abroad and first recognition 14  
  Social and other life 15  
  Continued publication 16  
Chapter 4 The abortive 1892–3 Villiers ‘Great Lake Rudolf Expedition’ to East Africa 19  
Chapter 5 Gregory’s 1893 Lake Baringo & Mount Kenya Expedition: ‘The Great Rift Valley’ 23  
Chapter 6 Home after the African expedition 29  
  East African-related publications and activities 29  
  Publications on bryozoa, corals and Barbados and other activities 31  
    Geological Society Council membership and BA activities 32  
    West Indian corals and more on Barbados 33  
    General 34  
Chapter 7 Marriage, Bryozoa & journalism 37  
  Marriage 37  
  Bryozoa and echinoids 39  
  Other activities 39  
  Journalism 40  
Chapter 8 The 1896 Conway Spitzbergen (Svalbard) Expedition and related polar work 43  
  Spitzbergen 43  
  Polar geology 48  
Chapter 9 1896–9: Frustrations, further travel and publications 49  
  Disappointments and continued major echinoid and coral outputs, including the early use of statistics 49  
  The arrangement of the continents and oceans 51  
  Visit to the Caribbean Islands, March–May 1899 56  
  Numerous 1899 publications; Palaeozoic starfishes, corals, echinoids and bryozoa and Africa 57  
  Anthropology 58  
Chapter 10 The move to Melbourne University 61  
Chapter 11 The National Antarctic Expedition of 1901: a farce avoided 65  
  Background 65  
  Gregory’s involvement 65  
  Gregory’s resignation 68  
Chapter 12 The ultimate accolade: election to FRS 73  
  Election to FRS 73  
  Assessment of research achieved before Australian input 73  
Chapter 13 The Australian years: Professor of Geology and Mineralogy at Melbourne 1900–1904 77  
  Settling into the university 77  
  Appointment as Director of the Geological Survey of Victoria 80  
  Life in Victoria 82  
  Gregory’s work in Melbourne including visits to Tasmania and New Zealand 84  
  Major publications 87  
    ‘The Foundation of British East Africa’ 87  
    The Lake Eyre expedition of 1901–2: ‘The Dead Heart of Australia’ 88  
    The start of geography textbook writing 91  
    ‘The Mount Lyell Mining Field, Tasmania’ 94  
    ‘The Ballarat East Gold-Field’ 94  
  Gregory’s resignation and departure from Melbourne 94  
  Assessment 96  
Chapter 14 Appointment as Professor of Geology at the University of Glasgow 99  
  Appointment 99  
  Background to the institution of the new Chair of Geology 100  
  Settling in 102  
  Departmental matters 102  
  First year and subsidiary geology course 104  
  Second, third and fourth year courses in geology 106  
  Mining degrees 107  
  University museum matters 108  
  University matters 109  
Chapter 15 Early publications (1905–10) and research activity while in Glasgow 111  
  Summary of the activities of the first five years 111  
  Early BA activity while in Glasgow, including visits to Zimbabwe and the Witwatersrand Mines 113  
  Mining geology 114  
  Bryozoa 116  
  Geographical contributions and publications 117  
    Australian geography; insights into Gregory’s appreciation of Australia 117  
    General geography 121  
    Climate variations in the past 122  
    The level of the sea 122  
  Contributions to the Glasgow Geological Society 123  
  Other activities 124  
    Historical studies 124
Legal matters, including Gregory as an expert witness 125
Expedition to Cyrenaica (Libya) 125
Third visit to Australia (1909) 127
Book reviews 128
Dent’s scientific primer ‘Geology’ 128

Chapter 16  Domestic, family and social activities and a social history intrusion 133
Gregory’s Glasgow home 133
Home life 135

Chapter 17  Activities between 1910 and 1917 139
Summary of activities 139
The 1910 International Geological Congress and the iron ore resources of the world 139
More on ‘Australia’ 139
Visit to Dalmatia in 1911 140
Continued contributions to the Geological Society of Glasgow and Scottish geology 140
‘The Making of the Earth’ 142
Visit to Benguela, Angola 143
The classification of coast types, the nature and origin of fjords and lochs 144
South Georgia 146
The educational value of the cinema 146
The Carlisle–Solway Basin 146
BA involvement and Gregory’s fourth visit to Australia 147
Other activities 149
‘The First Inhabitants of the World’ and ‘Geology of Today’ 150
The Danbury Gravels 150
The Fly River Eocene corals 150
The Corrieyairack Road, Scotland 151
Preglacial valleys 151
Henry Darwin Rogers 151

Chapter 18  1916–1919: work for the Government 155
Wartime work in the War Office 1917 155
The Calcutta University Commission, 1917–19 156
Awards 158
Return to British East Africa (Kenya) in 1919 and the following related studies 159

Chapter 19  1919–29: return to Glasgow and subsequent activities 163
Energy studies 163
Glacial studies 164
Irish eskers 164
English eskers 165
Scottish glacial deposits 166
Geological Society of Glasgow 166
Visit to Burma in 1921 167
Expedition to Eastern Chinese Tibet, 1922 167
Christopher Gregory’s progress 171
Further awards 171
Return to the Essex rivers and the Lower Thames; also North Sea–Thames–Rhine history 172
BA, IGC and International Geographical Congress activities 1920–1929 173
Racial matters 175
Other activities 176
Geography textbook revision 176
General lectures 176
Yachting on the Corsair 177
Book reviews 177
Renewed taxonomic work on echinoids and corals 179
Denudation and tectonism 179
Economic mineral studies, IMM involvement & ‘The Elements of Economic Geology’ 179
Human migration 180
Water divining 180
Journalism and BBC broadcasts 181
President of the Geological Society, 1928–30, excluding Presidential addresses 181

Chapter 20  Opposition to continental drift and the origin of the Atlantic and Pacific Oceans 187

Chapter 21  ‘Retirement’ with continued output 193
Journal articles and lecturing 194
Books published 197
‘Earthquakes and Volcanoes’ 197
‘General Stratigraphy’ 198
‘The Story of the Road’ 198
‘Dalradian Geology’ 198

Chapter 22  The final fatal expedition to Peru 201

Chapter 23  Some of Gregory’s students 209

Chapter 24  Overall assessment and summary 211

Appendix 1  Published works of J. W. Gregory 217

Appendix 2  List of books published by Professor J. W. Gregory 225

Index 227