Contents

MATHER, J. D. 200 Years of British hydrogeology – an introduction and overview 1
TORRENS, H. S. The water-related work of William Smith (1769–1839) 15
PRICE, M. Dr John Snow and an early investigation of groundwater contamination 31
GEORGE, W. H. William Whitaker (1836–1925) – geologist, bibliographer and a pioneer of British hydrogeology 51
MATHER, J. D., TORRENS, H. S. & LUCAS, K. J. Joseph Lucas (1846–1926) – Victorian polymath and a key figure in the development of British hydrogeology 67
TELLAM, J. H. 19th century studies of the hydrogeology of the Permo-Triassic Sandstones of the northern Cheshire Basin, England 89
PREENE, M. Robert Stephenson (1803–1859) – the first groundwater engineer 107
YOUNGER, P. L. ‘Making water’: the hydrogeological adventures of Britain’s early mining engineers 121
ROSE, E. P. F. The contribution of geologists to the development of emergency groundwater supplies by the British army 159
ROBINS, N. S., BENNETT, J. R. P. & CULLEN, K. T. Groundwater versus surface water in Scotland and Ireland – the formative years 183
EDMUNDS, W. M. Bath thermal waters: 400 years in the history of geochemistry and hydrogeology 193
FULLER, J. G. C. M. Chalybeate springs at Tunbridge Wells: site of a 17th-century New Town 201
SPENCE, I. M. & ROBINS, N. S. The Scottish hydropathic establishments and their use of groundwater 212
LLOYD, J. W. British hydrogeologists in North Africa and the Middle East – an historical perspective 219
HAZELL, R. British hydrogeologists in West Africa – an historical evaluation of their role and contribution 229
ROSE, E. P. F., MATHER, J. D. & PEREZ, M. British attempts to develop groundwater and water supply on Gibraltar 1800–1985 239
BARKER, R. D. The first use of geophysics in borehole siting in hardrock areas of Africa 263
DOWNING, R. A. The development of groundwater in the UK between 1935 and 1965 – the role of the Geological Survey of Great Britain 271
GRAY, D. A. & MATHER, J. D. Stevenson Buchan (1907–1996): field geologist, hydrogeologist and administrator 287
GRAY, D. A. Groundwater studies in the Institute of Geological Sciences between 1965 and 1977 295
DOWNING, R. A. Groundwater in a national water strategy, 1964–79 323
BRASSINGTON, F. C. Developments in UK hydrogeology since 1974 363
Index 387