

# Contents

<i>List of Illustrations</i>	vii
<i>Acknowledgements</i>	ix
<i>Abbreviations</i>	xi
<i>Introduction</i>	xiii
<i>Preliminary: A Chemist at Work</i>	xxiii
1      A Tailor's Son	1
2      Photographic Chemist. The Making of an Editor	25
3      Earning a Living	53
4      Thallium	61
5      Carbolic and Cattle Plague	83
6      Selling Science, 1865–1875	105
7      Spiritualism	119
8      Mysterious Forces: Investigating Mr Home	135
9      Chemistry is Strictly a Science of Precision	155
10     The Investigation of Florence Cook, 1872–1874	179
11     Scandal: The Investigations of Annie Eva Fay and Rosina Showers	195
12     The Radiometer and its Lessons: William Carpenter versus William Crookes	211
13     Dark Spaces and the Fourth State of Matter	225
14     Ubi crux ibi lux: The Business of Electricity	243
15     The Commercialization of Public Health: Water	267
16     The Commercialization of Public Health: Adulteration, Sewage and Hygiene	281

vi	<i>William Crookes (1832–1919) and the Commercialization of Science</i>	
17	Radiant Spectroscopy: The Rare Earths Crusade	299
18	Esoteric Chemistry in the Nineties	327
19	Inert Gases and Transmutations	345
20	The Wheat Problem	367
21	Radioactivity	389
22	Welsh Gold and African Diamonds	411
23	The Grand Old Man of Chemical Physics, 1907–1913	433
24	The Final Years, 1913–1919	457
25	The Afterlife	479
	<i>Appendices</i>	485
	<i>Bibliography</i>	491
	<i>Index</i>	543