

Catalogue of the papers and correspondence of

Frederick Soddy FRS

(1877-1956)

by Jeannine Alton and Harriot Weiskittel

CSAC catalogue 14/8/74

Title: Catalogue of the papers and correspondence of Frederick Soddy FRS (1877-1956), chemist

Compiled by: Jeannine Alton and Harriot Weiskittel

Description level: Fonds

Date of material: 1894-1958

Extent of material: 260 items

Deposited in: Bodleian Library, Oxford

Reference code: GB 0161

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CSAC catalogue no. 14/8/74

Description of the collection.

The collection, assembled from various sources, covers the years 1894 - 1958.

At his death in 1956, Soddy bequeathed his papers, notebooks and manuscripts to Major and Mrs. Howorth as his literary trustees. In 1958 Mrs. Howorth published a biography, Pioneer Research on the Atom...The Life Story of Frederick Soddy, New World Publications London, drawing on some of the manuscript material, which she numbered and arranged in the order in which it was used in her book (see Pioneer Research... pps 333 - 339). These documents, together with other material not used in the book and therefore unsorted and unnumbered, were subsequently deposited by Mrs. Howorth in the Bodleian Library, Oxford. The unused material (Sections VI - VIII of the present handlist) includes a substantial record of Soddy's work during the 1914 - 1918 War, not previously available (see Note to Section VI).

While preparing her book, Mrs. Howorth conducted an extensive correspondence with Soddy; she says that 300 letters were exchanged during 1953 - 54 alone (Pioneer Research... p.325). This correspondence is widely drawn upon in her book and appears to have contained matter of considerable biographical and scientific interest. In 1969 Mrs. Howorth lent 53 of the letters to Dr. T.J. Trenn, who returned them to her after making Xerox copies of 32 of them in whole or in part as research copies. Attempts to trace the originals have proved unsuccessful and Dr. Trenn's copies are now the only record. A set of second copies, which he has kindly made available, appears as Item 29, together with one of the originals which had been included with Mrs. Howorth's material left to the Bodleian Library.

A large number of manuscript notebooks, remaining in the Department of Inorganic Chemistry, Oxford, was added to the collection with the permission of Professor J.S. Anderson, FRS. These books (Items 46 - 92 and 185 - 215) run from 1894 - 1956 and furnish a continuous picture of Soddy's professional activity throughout his life. They throw light on such matters as his researches as Dr. Lee's Professor of Chemistry at Oxford, and his later interest in mathematics (see Note to Section VII).

The Sections of the present handlist have been itemised chronologically; a Conspectus of the Howorth references and the new sequence appears on pps 4 - 6.

Unless otherwise stated, all items are manuscript. Titles in inverted commas are those which appear on the MSS.

Locations of other material

A few printed books belonging to Soddy were accepted by the Radcliffe Science Library, Oxford.

Offprints presented to Soddy by W.H. Bragg were offered to the Archives of the Royal Institution for the Bragg Collection.

Models of Soddy's own design of Constant Speed Universal Joint Mechanisms were transferred to the Department of Engineering Science, Oxford about 1960.

The following material is held by the Museum of the History of Science, Oxford:

Museum ref.no. 74 -1; parts of Soddy's machine for solving cubic equations with three real roots.

Museum ref.no. 73 - 4; 19 boxes of slides prepared for Soddy's chemical lectures. Manuscript material as described in the following extracts from the Museum's catalogue of manuscripts:

MS Museum 121 FREDERICK SODDY A collection of manuscripts, typescripts, reviews and offprints including a collection of bills, letters, and certificates relating to radioactive samples; a manuscript notebook entitled 'Work on the scheme...started Feb.17th 1914, to look for "UR.2." an isotope of UrX2, producing Actinium in an X - ray change'; a set of notes, dated Mar.28 - Oct. 20, 1913, on the separation of Ur.X & Y; three letters from Soddy to Brewer 1951 - 56; a letter to Brewer from T.E.Soddy, Oct. 17, 1957; letter to Sir Harold Hartley from Brewer, Jan 3, 1953; a typescript and working drawing entitled 'Soddy's Machine for solving the cubic equation with three real roots. Third model with positive linkages throughout. 3.III.56.'; an unsigned typewritten memorial speech on Soddy; a number of publishers' advertisements and reviews of Muriel Howorth, Pioneer Research...; a copy of Die Neue Zeitung, no.156, 5 - 6, July 1952, with a photograph of Soddy; pamphlets and offprints.

MS Museum 126 FREDERICK SODDY Notes for twenty-three lectures on radioactivity; absorption, deposit and decay curves for radioactive substances (1914 and 1917); notes on Actinium.

MS Museum 160 FREDERICK SODDY Details of experiments of 19 December 1950, being a spectrograph analysis of Professor Soddy's lead together with a letter from C.H.Collie relating to the experiment (3 September 1971)

A model of an unconventional internal combustion engine incorporating an unusual mechanical linkage. Designed by Professor F.Soddy, FRS., Dr. Lee's Professor of Chemistry. Made by Mr. F.J.March, Chief Mechanic, Inorganic Chemistry Laboratory, late 1920's. Transferred from the Chemistry Department between 1 August 1959 and 31 July 1960

Summary of the career of Frederick Soddy

- 1877 b. Eastbourne
- 1891 - 94 Educated Eastbourne College
- 1894 - 95 University College of Wales, Aberystwyth
- 1895 Awarded Postmastership in Science, Merton College, Oxford
- 1896 - 98 Merton College, Oxford. Honours School of Natural Science (Class I)
- 1898 - 99 Private research in Oxford
- 1899 Unsuccessful application for Chair of Chemistry, Toronto
- 1900 - 03 Demonstrator, McGill University, Montreal
Work with Rutherford on Atomic Disintegration Theory
- 1901 Unsuccessful application for Chair of Chemistry, Aberystwyth
- 1903 - 04 Work with Ramsay, University College, London
Lecture tour to Australia
- 1903 Unsuccessful application for Fellowship, St. John's College, Oxford
- 1904 - 14 Lecturer in Physical Chemistry, Glasgow University
Work on Isotopes and Displacement Law
- 1908 Married Winifred Moller Beilby
- 1910 Fellow of the Royal Society
- 1912 Unsuccessful application for Waynflete Professorship of Chemistry,
Oxford
- 1913 Cannizzaro Prize, Rome
- 1914 - 19 Professor of Chemistry, Aberdeen University
Work for Board of Invention and Research, and Ministry of Munitions of War
- 1919 - 36 Dr. Lee's Professor of Chemistry, Oxford
- 1921 Nobel Laureate in Chemistry
- 1934 LL.D., Glasgow
- 1936 Death of Winifred Soddy
Resignation from Dr. Lee's Professorship of Chemistry
Work on mathematics

Conspectus of Reference Numbers

It has not been possible to have a simple one-for-one correspondance between the two sets of reference numbers. Mrs. Howorth frequently grouped together under one reference number disparate documents and printed material, of differing dates and subject-matter, according to the pages of her biography on which she deals with them. Conversely, she often listed separately printed matter such as offprints, press-cuttings, books and pamphlets which are here grouped under Section III Printed Material.

Ref. no. in M.Howorth	Ref. no.in this handlist		Ref. no. in M.Howorth	Ref. no.in this handlist
1	40		28	6
2 (printed matter)	missing		29	6
3	45		30	45
4	2,43		31	45
5	45		32	40
6	44,93		33	44
7	120,257		34	45
8	96		35	101
9	98		36 (printed matter)	missing
10	44		37	26
11	5		38	233,237
12	44		39	25,44
13	5		40	44
14	4		41	31
15	4		42	36
16	4,94		43	250,251
17	94		44	44
18	95		45	44
19	5		46	45
20	5		47	44,45
21	5		48	30
22	99		49	250
23	100		50	250
24	102		51	228
25	7		52	229,230
26	6		53	239
27	6		54	260

Conspectus of reference numbers (continued)

Ref. no. in M.Howorth	Ref. no. in this handlist		Ref. no. in M.Howorth	Ref. no. in this handlist
55	44,45		88	39
56	44,45		89	44,107
57	44		90	105
58	44,108,110, 111		91	12
59	45		92	106,238
60	8		93	14
61	142		94	11
62	44		95	11,14
63	44		96	37
64	44,104		97	32
65	217		98	13,44,109
66	44,113		99	37
67	44		100	15,32
68	45,220		101	44,112
69	29,34		102	32
70	33,44		103	40
71	36,40,44,45, 117		104	44
72	34		105	114
73	34		106	15
74	240		107 (printed matter)	missing
75	14		108	221,222
76	36,44		109	15
77	31		110	220,223
78	38		111	40,44
79	15,32		112	missing
80	33		113	38
81	37		114 (printed matter)	missing
82	39		115	44,115
83	10		116	17
84	10		117	18
85	missing		118	40
86	3,118		119 (recall reference only)	
87	103		120	18

Conspectus of reference numbers (continued)

Ref.no. in M.Howorth	Ref.no.in this handlist		Ref.no. in M.Howorth	Ref.no.in this handlist
121	45		151 (press- cutting)	missing
122	45			
123	17		152	24,38
124 (printed matter)	missing		153	44
125	45,234		154	126
126	156,157,158, 170		155	126
127	236		156	244
128	18		157	23,256
129	44		158	232
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133	24,238			
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135	119,121,122, 253			
136	44,138			
137	40,123			
138	244			
139	154			
140	246,248			
141	255			
142	125			
143	116			
144	16			
145	45			
146	27			
147	10			
148 (printed matter)	missing			
149	29			
150	259			

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I. Biographical Material

1. Misc. printed memoirs and obituaries.

By Alexander (Lord) Fleck, Biographical Memoirs of Fellows of the
Royal Society, 3, 1957; NATURE, no 4539, 1956.

By F.A.Paneth, NATURE, no.4595, 1957
MS. note by E.J.Bowen, FRS, Jan. 1974

2. Misc. biographical information:

'Extracts from R.S. "Personal Records" of Frederick Soddy.' 14 pp.

'The joint researches of Sir William Ramsay and Frederick Soddy.' 4 pp.
('Memo. prepared at request of Morris Travers March 1946') and corresp.

2.continued

'Frederick Soddy, Nobel Prizeman in Chemistry, 1921 (awarded 1922)' 2pp.;
'sent by reg.post with cards and 3 photos on 7.vii.50', with letter
from Die Weltwoche.

Correspondence re Soddy's contribution to questionnaire 'The Nobel
Prize during 50 years.'

3. 'Résumé of original investigations (1900 to Feb.1913) of Frederick
Soddy, M.A., F.R.S.' 1913
4. Souvenirs of Oxford; printed matter 1898
Gastronomic menu
Examination papers
Humourous songs
5. Testimonials to Soddy for Chair of Chemistry, Toronto 1899
(Hon) George Brodrick
Sir John Conroy, Bt., FRS.
A.Vernon Harcourt, FRS.
William Odling
Sir William Ramsay FRS (2)
John Watts
6. Testimonials to Soddy for Chair of Chemistry, Aberystwyth 1901
Henry T.Bovey
Frank Carter
John Cox
Ernest (Lord) Rutherford } signed jointly
B.J.Harrington
E.W.MacBride
J.Wallace Walker
7. Testimonials to Soddy (of general reference) 1903 - 04
B.J.Harrington
W.Peterson (for Fellowship at St. John's College, Oxford)
Pierre Curie 1904
8. Particulars of 6 University Extension Lectures given by Soddy
in Australia, on 'Radium' and 'Modern Views on Electricity and
Matter.'; printed matter. 1904
Letters of thanks from W.Ernest Cooke, Sir Arthur W.Rücker FRS
9. Notice by Sir Harold Carpenter in 'The Eastbournian', on Soddy's
election to Royal Society; printed matter. 1910
10. Material relating to Royal Society; printed matter. 1910 - 57
Soddy's election 1910
'R.S.Fellowship Group'; notes, memos, press-cuttings 1934 - 35
Correspondence between Royal Society and Major & Mrs.
Howorth re book on Rutherford and Soddy 1956 - 57

11. Testimonials to Soddy, and Application for Waynflete Professorship of Chemistry, Oxford 1912
- Sir William Crookes
Marie Curie
Sir Donald McAlister
Sir William Ramsay
Sir William Tilden
12. CANNIZZARO PRIZE, Accademia Nazionale dei Lincei; correspondence with Sir William Ramsay; notification of award; Soddy's letter of thanks (in French); press cuttings. 1913
13. Diary, University of Glasgow, 1913 - 14 1913 - 14
14. Testimonials to Soddy for Chair of Chemistry, Aberdeen. 1914
- Sir Donald McAlister
J.W. Gregory
Henry E. Armstrong
Sir William A. Tilden
Marie Curie
Ernest (Lord) Rutherford
- Letter from Sir Donald McAlister on Soddy's election to Chair. 1914
15. University of Aberdeen 1914 - 19
- Copy of magazine 'Alma Mater', 14 Nov. 1914, contains 'Portrait of Professor Soddy'
Tpd. note on Soddy's years at Aberdeen, sent by Professor W.T.H. Williamson to M. Howorth, 10 Nov. 1956
Ms. note by Soddy 'War Work of the Chemistry Department' Sept. 22 1917
Copies of 'The Crucible', nos. 1 and 2, 1919; contain article by Soddy, reprinted in Science and Life, 1920, pp. 175 - 180, and farewell notice on Soddy's appointment to Oxford.
16. Misc. press-cuttings re Soddy's journey from Czechoslovakia with £70,000 radium; see also Items 193, 201. 1921
17. Letters of congratulation on Award of Nobel Prize. (not indexed) 1922
- Press-cutting from 'The Oxford Chronicle' on Soddy's Nobel Prize signed A.S.R. (Alexander Russell)
18. University of Oxford 1922 - 28
- Letter from Press Association on information furnished by Soddy re hoax played on Rector of Exeter 1923
Menu of dinner given for Soddy, Merton College 17 Jan. 1923 1923
Petition to Privy Council, and reply, re Aldrichian Praelectorship in Chemistry 1927 - 28
- 19-23 'Eastern Tour' to India, Ceylon, Malaya. 1937 - 40
19. 2 Notebooks of expenses and notes 1937 - 38
20. Papers and correspondence re visit to Travancore and extraction of monazite sand 1937 - 38

21. Correspondence with Stanford & Co., Clydebank, re commercial possibilities of thorium extraction. 1939
22. Correspondence with G.T. Tupper (Min. Economic Warfare) on monazite sand. 1940
23. Correspondence with Watson, Laidlaw, Glasgow on centrifuge. 1940
24. 'Frederick Soddy calling all Taxpayers' and 'Affidavit' against Commissioners of Inland Revenue, re protest against Special Contribution; printed matter. Note on failure of case. 1951
- Press-cutting on Soddy's economic opinions 1931
25. Correspondence with Harbour Master, Liverpool, re grounding of 'S.S. Merion' on Soddy's journey Boston-Liverpool in 1903 1953
26. 'Just Fifty Years Ago', address on the occasion of the Radio-activity Jubilee, Spring Symposium of the Institute of Atomic Information for the Layman; contains Soddy's account of his early work. Printed matter. 1953
27. Nobel Conferences 1952 - 55 1952 - 55
- Printed arrangements and lists of participants
 Press-cuttings
 German translation of Soddy's address in 1953
 Copy of Soddy's address in 1954 (publ. New World Publications)
 Copy of Mainau Statement on World Peace 1955
 Correspondence with conference organisers 1955
 Soddy's query on lecture by C.F. Powell 1953
 Note from Soddy to M. Howorth on German translation of address to Lindau conference (see above) 1954 See also Item 164 1954
28. Misc. printed tributes to Soddy.
 Particulars of Frederick Soddy Research Fellowship, University of Sussex 1974
29. Letters from Soddy to M. Howorth; Xerox copies of 32 letters, taken in 1969. 1 original, typescript and Ms 1955 (see note in Description of the collection, p.1.) 1952 - 56
- II. Material collected by M. Howorth for Pioneer Research... 1958
- The period of Soddy's life to which the correspondence or material refer is given in brackets.
30. Correspondence with Otto Hahn (1903, 1913 - 14); includes translation by Soddy of Hahn's letter of 23 March 1953, and additional comments by Soddy. 1953 - 58
31. Correspondence with Alexander S. Russell (1909 - 11) 1956 - 57
32. " " " " W.T.H. Williamson (1914 - 19, Aberdeen) 1956
33. " " " " F.M. Brewer (Displacement Law) 1956
 W.O. Kermack (1914 - 17) 1956

- | | | |
|-----|---|------------|
| 34. | Correspondence with George de Hevesy (1911 - 12) | 1956 - 58 |
| 35. | " " " " Morris W. Travers (1903), and re methods of filing correspondence for her biography; includes offprint of Travers's note 'Ramsay and Helium', NATURE, <u>135</u> , 1955, p.619. | 1956 - 58 |
| 36. | Correspondence with F.A. Paneth | 1957 - 58 |
| | " " " " Sir Charles Darwin (1945) | 1957 |
| | " " " " Registrar, U.C.N.W. Aberystwyth (1894 - 6) | 1957 |
| 37. | " " " " A.E.M. Geddes (1914) | 1956 |
| | " " " " John A. Cranston (1914 - 18) | 1956 - 57 |
| 38. | " " " " F. Joliot-Curie | 1957 |
| | " " " " Sir Alliot Verdon-Roe | 1957 |
| | " " " " Alexander (Lord) Fleck | 1956 - 58 |
| 39. | Correspondence relating to Mrs. Soddy | |
| | from Mrs. Stella Brewer | 1957 |
| | " Alexander Russell | n.d. |
| | " Mrs. Hilda Beilby ; includes extracts from Soddy's letters written on holidays abroad 1929 - 37. | 1957 |
| 40. | Misc. correspondence from Royal Society | 1956, 1959 |
| | Chemical Society | 1957 |
| | Geoffrey Mure | 1957 |
| | Sir Douglas Veale | 1957 |
| | Meteorological Office | 1957 |
| | University of Cambridge | 1956 |
| | Admiralty | 1957 |
| | New Europe Group | 1957 |
| 41. | Misc. press-cuttings | |
| 42. | Article by Otto Frisch on Nuclear Fission (<u>New Scientist</u> , 23 May, 1957) and subsequent correspondence of M. Howorth and Editor. | 1957 |
| 43. | Press-cutting, 'Science and Religion', with correspondence of M. Howorth and Archbishop's Chaplain, Lambeth Palace. | 1957 |
| 43A | M. Howorth's Index to documents prepared for <u>Pioneer Research...</u> | |

III. Printed Material

- | | | |
|-----|--|--------|
| 44. | Misc. offprints or press-cuttings of articles by Soddy and collaborators; some with notes by Soddy and M. Howorth. | 1894 - |
| 45. | Misc. printed material relating to Soddy and his work; some with notes by Soddy and M. Howorth. | 1903 - |

IV. Laboratory Notebooks 46 - 92 and 185 - 215

These notebooks were received from the Inorganic Chemistry Laboratory, Oxford. Soddy assembled and numbered nos. 47 - 63 in 1956 as a separate bundle (see note to no. 46, below). The remaining notebooks had been used at various periods for different kinds of work, usually indicated by Soddy in a note

on the cover or fly-leaf; they have been put in order of the earliest ascertainable date, with a brief description of the contents.

46. Small notebook. 1944 - 55
 Contains a note on separate card dated 23.vii.56, beginning: 'I have bundled up these Mathematical Note Books (I - XVII) in order with a smaller one on top....', and an addition dated 26.viii.56 'To my Executors. These Note Books are to be carefully preserved. If necessary consult Sir Richard Southwell about them.'
- These notes indicate that at the end of his life (he entered hospital 28 August 1956 and died 22 September), Soddy considered the main importance of the notebooks to be his late mathematical work on cubic equations rather than the early researches in chemistry for which no. XVII (Item 63) was originally used. See also his last letter to M. Howorth (included in Item 29) for his concern to ensure the transfer of the notebooks to the Inorganic Chemistry Laboratory, Oxford.
47. 'I. Mathematical Note Book' ; includes letter on radium from Sir Joseph Larmor, 1 May 1909. 1935
48. 'II Mathematical Note Book 10.11.41 - 15.12.41' 1941
49. 'III Mathematical Note Book 25.xii.41 - 27.vi.42' 1941 - 42
50. 'IV Mathematical Note Book' 1937 - 42
51. 'V Mathematical Note Book' 1944
52. 'VI Mathematical Note Book' 1944
53. 'VII Mathematical Note Book' 1944
54. 'VIII Mathematical Note Book' 1944 - 45
55. 'IX Mathematical Note Book' 1944 - 45
56. 'X Mathematical Note Book' 1945
57. 'Mathematical Note Book XI' 1946
58. 'Mathematical Note Book XII' 1946
59. 'Mathematical Note Book XIII' 1946 - 47
60. 'Math. Note Book XIV' 1948
61. 'XV' 1948 - 49
62. 'XVI' 1949 - 55
63. 'Maths XVII. Started 24.ix.1955' 1900, 1920, 1955
 'This END.notebook began in 1900. Abstracts and References of Radioactivity Papers.'
 pps. 1 - 23 contain on right-hand page notes made by Soddy 1900 - 1903 and on the left-hand page mathematical notes dated 1956. There is a note on p. 19 'unusual pps in Book XVII'.

continued...

- 63 continued
The rear of the book is inscribed 'Historical Chemistry Notebook. August 1901' and contains two pages of chemistry notes, followed by heading 'Feb. 1920 Notes on Economics.'
64. 'General Chemistry notes from various sources. U.C.W. Aberystwyth.' 1894
65. 'Merton College Oxford.' Notes on books and articles read. See also no. 151 1895 - 96
66. 'Abstracts of Original Papers. Merton College. Oxon.' 1896
67. 'Chemistry Note Book. Merton Coll. Oct. 1896'
'J. Watts M.A. on Organic Chemistry' 1896 - 97
68. 'Organic Chemistry Note Book. Merton Coll. Dec. 1896 Abstract of Meyer & Jacobson's Lehrbuch der Organ. Chemie.' See also 71, 98 1896
69. 'Organic Chemistry Note Book. Merton Coll. Oct. 1896'
Notes on lectures and books read. 1896, 1900
70. 'Chemistry Note Book. Merton Coll. Oct. 1896'. Lecture notes (incl. lectures by J.E. Marsh). 1896
71. 'Organic Chemistry Note Book II. Merton College April 1897'
Abstract of Meyer & Jacobson (cont. of 68). 1897
72. 'Theoretical Chemistry.' Notes on books read. (perh. Aberystwyth or Oxford). n.d.
73. Bound volume of typescript lectures on chemistry; spine reads 'Lectures - Veley, Walden, Elford' 1897 - 98
74. Notebook. Inside: 'p. 0 to 20 Old unfinished work at Montreal (abandoned) p. 20 June 15 1907. Resume of Ur - Ra expts.'
Observations continue 1907 - 12. 1900 - 12
75. Notebook begun at Merton College, Oct. 1898; notes on expts. on camphor and report on them. (May refer to very early work at Eastbourne College).
Rear of book reads 'March 1903. Chemical Laboratory University College, Gower Street'; notes of expts. on radium emanations.
Expts. continue 1907 - 08. 1898
1903 - 05
1907 - 08
76. Misc. notes on expts.; loose pages 'Ideas for Research', one dated 1903. n.d.
1903
77. Students' attendance books, with notes on hours worked, courses attended, examinations (some in other hands). 1905 - 19
78. Loose-leaf notebook; notes on expts. on Helium, Thorium, Uranium. 1908 - 09
79. 'Analysis of He results. see looseleaf note-book for details.' See no. 78. 1908
80. Work on emanation from flasks; expt. results. 1908 - 1910
81. Notebook labelled 'J. Smith. Uranium Activity Measurements.'
Notes on expts. on Nat. leak and activity in another hand on right-hand pages; identification of expts. by Soddy on left-hand pages. 1909 - 10

82. Notebook: 'Fractionation of Mesothorium' begun in another hand, continued by Soddy. 1910 - 13
83. Expts. on X - rays. 1910 - 13
84. 'Helium in Autunite' ; diary of expts. with Russell. 1910
At rear of book, further expts. & observations. 1911
85. 'Work on Uranium' started on October 4th 1913'. 1913
86. Notebook inscribed 'continuation of Mr. Cranston's work' (in various hands, mainly Soddy). 1915 - 19
87. Expts. & observations with thorite lead. 1915
88. 'Systematic Class 1917 - 18'. Notes for lectures and demonstrations. 1917 - 18
89. 'List of Experiments. Systematic Chemistry' in another hand. Soddy's note on flyleaf reads 'Winter. Session 1918/19' 1918 - 19
90. 'Aberdeen. Introductory Course of Physical Chemistry SS 1919' 1919
91. Notes on elements; contains card with later Ms note 'Note Books & Reprints dealing with Research on the Parent of Actinium J.A. Cranston, Miss Hitchins, F. Soddy.' n.d.
92. Notes on metals; perhaps Aberdeen. n.d.

See also nos. 185 - 215

V. Lectures, articles addresses

93 - 98 Oxford (Merton College)

93. 'Evans Prize Essay. Subject: The relations existing between the manner in which the atoms are linked together, and the physical properties of the resulting compounds.' 11th March 1895. 1895
94. 'The Isomerism of Oxims and their Derivations.' Typescript essay with Ms corrections; with 2-page resume of works read. Ms. n.d.

'The Work of Hittorf on the Migration of the Ions. An account of Lodge's direct determination of the same.' Typescript essay with Ms corrections and drawings. 10pp. n.d.

'Abstracts of essays by A.P. MacMillan'. Typescript. 6pp. n.d.
95. 'The Relative Atomic Weights of Hydrogen and Oxygen.' Typescript essay with Ms. corrections and drawings. 22pp. 1897
96. 'The Pilgrim Fathers.' 'English verse composition competing for Sir Roger Newdigate's prize.' 1898
97. Copies of various poems by Soddy; one published in McGill Magazine, no II, 1902. 1902 etc.
98. 'A New Theory of Aromatic Character.' A paper read before the O.U. Chemical Club, at the Museum, Oct. 26, 1899 ; typescript with Ms. corrections; page of Ms notes; letter from Sir Christopher Ingold. 1899

99 - 102 McGill University.

99. 'Lectures on the History of Chemistry from earliest times.' 1899 - 1900
Series of 11 lectures given at McGill U. Lecture I typescript, lectures II - XI Ms.
100. 'Alchemy and Chemistry'; lecture and notes for slides, typescript 1900 (c)
and Ms.
Ms notes from 'Les Origines de l'Alchimie' (Berthelot)
101. 'Chemical Evidence of the Indivisibility of the Atom.' 32pp. 1900 - 01
5 pp. notes of 'Lockyer's Views.'
Account of a controversial debate with Rutherford at a meeting of McGill Physical Society.
102. 'Gas Analysis.'; series of lectures given at McGill.; Ms notes for 1900 - 02
6 lectures and 6 practical classes; 2-page summary of course.

103 - 108 Glasgow University.

103. 'Report on the Electric Furnace Experiments at Cassel Cyanide 1911, 1919
Co's Works at Maryhill, Glasgow, under the auspices of Sir George Beilby. April to November 1911.'

'Specification of Accumulator Battery....' signed F.S. 1919
104. Misc. working papers, research notes and correspondence, Glasgow.; 1913
includes Soddy's later note 'Mainly only of Interest now for Reference Purposes' etc.
11 envelopes
105. Keith Lectures given at Glasgow on 'Radioactivity'; 4 lectures, 1913
syllabus, annotated typescripts, summaries etc.
106. 'The Evolution of Matter.' Citizens' Lecture given in the Digbeth 1913
Institute, Birmingham, 16 September; 2 typescripts, Ms list of slides and experiments.
107. Lecture on Women's Suffrage; delivered at Caxton Hall, London. 1913
108. 'The Influence of Scientific Advances upon Life.' Lecture given 1914
in Glasgow, June 1914. Typescript and Ms. corrections.

109 - 114 Aberdeen University

109. 'Systematic Class. Opening Lecture 14/10/15 1915
'Data'; notes on Thorite.
110. British Association Discussion on Isotopes. 1915
'Notes of Opening Remarks.'
'Radio - Elements, The Periodic Law & Isotopic Elements.'
111. 'Advances in the Study of Radio-Active Bodies.' (Lectures at 1915
Royal Institution 15 and 18 May 1915.

112. 'The Social Effect of Recent Advances in Physical Science (with special reference to the discovery of Radium) 5/2/15' 1915
2 copies of lecture delivered to Workers' Educational Association, Aberdeen.
113. Obituary notice of Wilhelm Conrad von Röntgen, with correspondence. 1915, 1923
Soddy prepared the obituary for the Glasgow Herald in 1915 and wrote to claim payment in 1923 when the notice was printed.
114. Lectures and Expts. at Aberdeen 1916 - 18
1. 'A Definition of Chemistry' 1916
 2. 'The Spontaneous Transmutation of the Elements'; plan, notes of slides, demonstrations, lecture script. 1916
 3. 'Digest of Successful Experiments' 1917
 4. '1917 Experiments' 1917
 5. 'Introductory Lecture 1917/18' 1917/18
 6. 'Scientific & Sociological. The Social Abuse of Science' 1918
 7. 'Opening Lecture 1918/19 Session' 1918
 8. 'Science & Human Welfare. I Chemistry' (WEA lecture) 1918
115. 'The Origin of the Conception of Isotopes.' Nobel lecture delivered at Stockholm, 12 December 1922; printed copy with Ms notes. 1922
116. 'My solution of the present world depression. Science must lead.' perh. 1929
117. 'The Lord R. of Nelson. The Periodic Law and its Interpretation.' 1934
118. Lecture on Hooke's Joint, given at Tercentenary Celebrations, Oxford. 1935
119. 'Money the Mischief-Maker. Luncheon address to Rotary Clubs of Aylesbury & High Wycombe.' 1935
120. 'Some personal memories of the earlier years of Sir Harold Carpenter's career.'; typescript with Ms annotations 4pp. 1940
Printed obituaries of Carpenter.
121. 'An Independent Scientist's Views on the Economic and Political Possibilities of Atomic Energy for the Future.' 1947
122. 'The Constitutional Justification for Resisting Tax-Payments.' 1951
123. 'The Story of Atomic Energy and its Lesson.' (Lecture to New Europe Group). 1949
124. 'Why a larger pay-packet now buys less than it did.' (Lecture to New Europe Group); with related correspondence. 1950
125. 'How Isotopes were discovered.' (Talk broadcast in 'Science Survey' 1951 with related correspondence with Sir Henry Dale, Dr. Archie Clow, F.A. Paneth, W.O. Kermack. 1951
126. 'Is the deterioration of the climate due to the radioactive Pollution of the Atmosphere?' 1954

VI. Papers relating to Soddy's work in Aberdeen 1914 - 1918

Soddy re-read and sorted many of these papers during 1952 - 56, in some cases apparently intending to resume work on certain inventions and patents, as well as to provide information for his executor or biographer. He left the papers in bundles or envelopes, with notes on their contents.

Though neither Lord Fleck in his Biographical Memoir for the Royal Society, nor Mrs. Howorth in her biography, made great use of this material, it is probable that the contents of the envelopes have been disturbed, and some of them removed. Loose papers on various projects and patent rights dealing with the 1914 - 18 period, and the related correspondence, were found elsewhere in the collection.

The papers remaining in or with the envelopes have been put in date order where possible; Soddy's descriptive notes continue to accompany the papers with which they were found.

127. 'List of Admiralty Stuff'. (M. Howorth's list, included with her files of Soddy's papers. Not all the items on the list are identifiable.)
128. 'B.I.R. Notes from Mar 30th/17' (Notebook of expts. on Alkali Boiler) 1917
129. Black notebook of notes, expts., & calculns. on alkali boiler. n.d.
130. Work on Alkali Boiler 1916
1. Report to Admiralty by Soddy and Stoney
 2. Corresp. re Patent for Fireless Boiler
 3. Ms: The Theory of the Film-Flow Alkali Boiler
 4. Ms: 'Report on the Alkali Boiler' July 1916
 5. Ms: 'Second Report... Alkali Boiler' July 1916
 6. Misc. blueprints, drawings, photograph of apparatus
- 13 . Later work on Alkali Boiler 1941 - 52
- 5 notebooks of notes and calculations variously dated:
1. 23/5/41
 2. 'Resumed Jan 1952 hand Alkali Boiler'
 3. 'Alkali Boiler. Started 24th March 1952'
 4. 'Alkali Boiler... Started 25 Apr. 1952'
 5. 'Jan 10th 1952 Notes on the Soda Boiler Work'
132. Secret Patent 5527/16 1916, 1952
- 'Improvements in and relating to Fireless Boilers'; includes folder annotated by Soddy 1952.
133. 'Soda Boiler'; report, chart and drawings by Soddy and Stoney. 1916
134. 'Professor Soddy's Emanation Gauge' (drawing of apparatus). n.d.
Inscribed on outside: 'July 31 - 1956. These are log scale of 1956

continued

134. continued.
the decay of RADON Never published or used that might be of use to say Dr. Russ X ray Dept. Middlesex Hospital London. F.S.'
135. Bundle of misc. charts, graphs, blueprints, calculations and diagrams (not all in Soddy's hand), inscribed by him 'July 24th 1952. Retained as containing originals of drawings in the two Secret Reports plus some others.' 1952
136. Work on 'CONCENTRATORS.' 1916 - 18
1. 3 Ms letters to Gerald Stoney from Soddy, with calculations etc. 1916
 2. 'Concentrator Problems.' (by Stoney) 1916
 3. Soddy's folder: 'Tests of Various Alloy Steels in New Alloy Pot...' (expts., calculns., reports by Sir Henry Carpenter etc.) 1916
 4. Corresp. and report by Stoney 1917
 5. Soddy's remarks on Stoney's report. n.d.
 6. Printed letter from Sir Oswyn Murray dissolving Technical Sub-Committee, Board of Invention & Research. 1918
 7. Explanatory note by Soddy, dated 24.vii.1952 1952
137. Work on 'CONCENTRATORS.' 1917 - 18
1. Photograph and description of model 1917
 2. Report and corresp. from Gerald Stoney 1917
 3. Corresp. between Soddy and Board of Invention and Research. 1918
 4. Drawing of model
138. Misc. correspondence on 'Concentrators' and on Soddy's wartime work at Aberdeen. 1917 - 18 and 1957
139. Work on 'CONCENTRATORS'. 1917
1. Ms: 'Experiments on Flow' March 28, 1917
 2. Ms 'Conductivities' (expts. & calculns) n.d.
 3. Ms 'Collecting all the Best Results from the Recalculated Data.' perh. 1916
 4. Ms 'Secondary Boiler dispensed with' n.d.
 5. Ms Expts. & Calculns. 1917
- All enclosed in envelope bearing notes by Soddy dated 15.v.1952
140. Envelope: 'Private Receipts 1917/1918 Gas Works Research' 1917 - 18

141. Notes on experiments:
 - on washing coke oven gas with milk of lime (signed Masefield) n.d.
 - on sulphuric acid as a drying reagent (signed Royle) n.d.
142. 'Gravity Method of continuous Determination of the Specific Gravity of a Stream of gas.' n.d.
143. Notes by Soddy dated 15.v.1952, 24.vii.1952, May 4th 1954. 1952, 1954
 (Found with nos. 144, 145, though probably referring to other material later removed).
144. Misc. correspondence and reports on ethylene extraction, 1918
 exchanged with Ministry of Munitions of War, Explosives Dept.
 March - Sept. 1918.
145. Misc. correspondence, mainly on Patent Applications arising out
 of Soddy's War Work. 1916 - 19
1. Note on Patent Law.
 2. Corresp. re Secret Patent on Fireless Boiler 1916
 3. Corresp. re Secret Patent on Steam Turbines 1916
 4. Corresp. re Secret Patent on Concentrators 1917
 5. Corresp. with Patent Agents re searches 1918
 6. Corresp. re supply of machinery 1918
 7. Corresp. re purification of charcoal in military respirators (Chemical Warfare Dept.) 1918
 8. Corresp. re gas purification 1919
 9. Corresp. re alcohol as fuel 1919
146. Work on ethylene extraction from coal gas. 1918 - 19
1. Chronicle of events March - Aug. 1918
 2. 'Diary of Charcoal Events, written 4th Sept. 1918'
 (Ms. in Soddy's hand)
 3. Corresp. and telegrams re Soddy's Patent application,
 exchanged with Ministry of Munitions of War.
 4. Corresp. re experiments, exchanged with Min. Munitions
 and Aberdeen Gas Co.
 5. Corresp. re Soddy's Patent application
 6. Account of Demonstration at Aberdeen Gas Works 1918
 7. Notes of 'Expenses Charcoal Research 1919'
 8. Note (incomplete) 'Ethylene Research' n.d.
 9. Specification on Ethylene extraction by Dr. Paul Fritzsche 1897
147. Black Exercise bk. inscribed 'War Work 1914/19'; at back of 1918
 book 'Expts. at Aberdeen Gas Works beginning 27/May/1918. (Some loose pages)

148. Blue ex.bk. 1918 charcoal expts. 1918
- 149, 150 Two examination books 'University of Aberdeen', with notes of gas expts. (not all in Soddy's hand.) 1918
151. Notebook, 'Merton College 7th June 1896 Organic Chemistry Notes.' See also Item 65
pp 1 - 20, notes from Schorlemmer, Rise and Development of Organic Chemistry; pp 22 - 63, notes of charcoal expts. May-Nov. 1918 1896, 1918
152. Blue ex. bk. resuming work on Alkali Boiler, inscribed 'Begun 8.III.52'; includes loose pages of calculns. inscribed 'August 19/1922 New Shortened Process.' 1922, 1952
153. Red ex. bk. inscribed 'Started Aug. 29th 1941'; notes and calculns. of resumed work on Soda Boiler; with further notes at rear and detailed explanatory note by Soddy dated 22 Feb. 1952. 1941, 1952
154. Vacant.

VII. Work on Mathematical Problems (see also Notebooks 47 - 63)

From about 1936, Soddy became increasingly interested in mathematical problems, especially the geometry of the circle. He published papers in NATURE (1936 - 37) and Proc. Roy. Soc. (1942 - 43), and devoted much time in his later years to cubic equations. Like the notebooks, the manuscripts and working papers on mathematics often bear explanatory notes dated 1955 - 56 indicative of the value Soddy attached to them. It seems likely that, as with the papers in Section VI on his work at Aberdeen, the order of the manuscripts has been disturbed although only Items 155 - 158 appear on Mrs. Howorth's list of documents used in her biography.

155. Misc. figures and diagrams for published work on circles.
156. 'The Kiss Precise, The Hexlet and The Bowl of Integers'. 1936 - 37, and
(Offprint of Soddy's articles and ensuing corresp. in NATURE 1956
1936 - 37); later corresp. between M. Howorth and Editors
of NATURE 1956.
157. Ms 'Wheels within Wheels'; Ms 'Preface'. See also Item 160.
158. Corresp. with: A.S. Gosset Tanner; 1935 - 37
J. Hodgkinson
T. Chaundy
C.H. Collie
F.W. Lanchester
159. Work on 'Kissing Circles.' 1936 - 56
Includes note by Soddy dated August 23rd 1956: 'This bundle contains the MSS (2 copies) of unpublished book on Kissing Circles and cognate Note Books preserved, after sorting out as much as possible for destruction....'
Contains: 2 annotated copies of booklet of articles and corresp. in NATURE, one with Soddy's note dated 23 Aug. 1956 referred to above

continued

159. continued
La Nature 15 mai 1937 (contains translation of poem and article in NATURE.
 'The Hexlet', 'The Kiss Precise', corrected Mss. 1936.
 'The Kiss Precise', 2 copies corrected Mss, with envelope dated 31.III.55.
160. 'Wheels within Wheels. The General Solution by Elementary Algebra & Euclid of the PROBLEM of the FOUR-FOLD KISS.'
 (This is presumably the unpublished book referred to in 159 above)
 2 copies of heavily-corrected Mss as follows:
 Preface
 General Nature of the Problem
 The Theorem of the Graded Bead Necklace
 The Inductive Approach
 The First Curvature Law
 The Second Curvature Law
 Appendix of Working Details
161. 'Wheels within Wheels.' Notebook of calculns, and notes. 1936 - 37,
 Revisions 1940, with a note inside front cover. 1940
 Further note inside front cover dated Aug. 23 1956 concerning 1956
 unpublished work in notebook.
162. 'The One-Coefficient Standard Cubic Equation' 1949
 (paper submitted to Royal Society August 1949, and returned 6 Dec. 1949)
 Ms. drafts, tables of calculns, copy of letter accompanying Ms.
163. 'Cubic Ratios by Euclidean Construction.' 1955
 2 corrected Mss.
 Envelope of figures, inscribed 'Rejected R.S. paper & drawings (Euclid Method & cubic relations)'
 Letter from Royal Society declining to publish Ms.
164. 'The Cubic Equation with three real roots: Its geometrical 1955
 Solution and the Machine that solves it.'
 (delivered as lecture to Nobel Conference 1954) See also Item 27
 2 corrected Mss.
 Specification of machine.
 German translation of article.
165. Misc. mathematical calculns. on cubic ratios and cubic equations.
166. Misc. mathematical calculns.
167. 2 envelopes of drawings, diagrams and figures for work on
 'Kissing Circles'; each envelope bears Soddy's note and description dated July 1955.
168. Corresp. re publication of translation of Soddy's article 1937
 'The Bowl of Integers' in La Nature, April 1937; see 159 above.
169. Corresp. on circles with J. Hodgkinson 1937
170. Corresp. with Thorold Gosset, with note 'Sorted and 1936
 arranged 20.XI.38'.

171. Corresp. with Thorold Gosset Jan-Feb. 1937 1937
172. Corresp. with Harold Scott MacDonald Coxeter FRS on inter- 1951 - 53
locked spheres, with related offprints and articles.
173. Vacant..

VIII Publications.

Soddy's book, 'Interpretation of the Atom' was published by Murray in 1932. The material was extensively revised by Soddy 1940 - 46 for a projected work to be called 'Real Alchemy'. The book was published 1947, 1954 under the title 'The Story of Atomic Energy.'

174. Brown ex.bk. Misc. notes on books read, mainly on Atomic Piles. 1945
175. Blue ex.bk. Draft for book on History of Atomic Physics, with n.d.
notes on back cover for proposed lay-out of book.
176. Red Cash bk. inscribed 'Interpretation of the Atom. Revision.'
With further notes and insertions at front and back of book.
Some pages dated 1945.
177. Grey ex.bk. labelled in M. Howorth's hand 'Original of 1940 - 45
Interpretation of the Atom publ. by Murray 1932'. Inside, in
Soddy's hand 'Interpretation of the Atom and Modern Alchemy
Revision 1940'. Both ends of book used. Includes undated letter
from Victor Gollancz on 'Save Europe Now.'
- 178, 179 2 brown ex.bks., inscribed 'Re-re-re-revision of I.O.A. 1947
= Real Alchemy.'
180. Blue ex.bk. 'The Atom & Energy prior to this Twentieth Century.' n.d.
181. Misc. notes, mainly for index to 'The Story of Atomic Energy', 1947
182. Ms. Foreword to 1954 edition of 'The Story of Atomic Energy' 1954
183. Purple ex.bk., covers only. Notes on publishers' rights in n.d.
new version of book, labelled 'Abstract of Solicitors Case'.
184. Ms 'Real Alchemy and the Release of Tomic Energy'; includes 1946
note by Soddy dated Dec. 5 1947.
(A revised version of this work was published as 'The Story of
Atomic Energy'.)

IV Notebooks and Working Papers (see Also Items 46 - 92, pp. 11 - 14)

These were received from the Inorganic Chemistry Laboratory, Oxford subsequent to Items 46 - 92. Some complement the earlier series, but the majority relates to Soddy's work on various radioactive minerals during his tenure of Dr. Lee's Professorship of Chemistry, Oxford.

185. Notebook inscribed 'Private Research Notes Commenced Dec. 1905 - 17
1905. F. Soddy. Senior Chemistry Lab. Glasgow University.';
contains note on expts. on radioactive materials 1905 - 07.

continued

185. continued
At rear of book: 'Work with T.D.MacKenzie on the Origin of Radium', 'Experiments on the α particle by the Electroscopical Method', also misc.expts.continued at Aberdeen. 1905 - 06
1906
1907 - 17
186. Green ex.bk. Expts.mainly on emanation. 1908 - 09
187. Black notebook 'Radium Tests commenced 29/8/10'.(Not all in Soddy's hand.) 1910 - 14
188. Black notebook 'Ceylon Thorite.' 1911 - 15
189. Black ex.bk. 'War Work 1915 at each end.Thorium work May 1921 to Oct. 1922.' 1915 and
1921 - 22
190. Pale green ex.bk.'Note on measurements as late as 1917 of preps.as early as 1910.'(with some loose pages) 1910 - 17
191. Black notebook. Inventory of equipment. 1919
'Inventory of Silver in Chest 29/9/19'; also note of furniture etc.bought on move to Oxford.
192. 'Apparatus purchased by Professor Soddy Sep.8th from Aberdeen University'and Soddy's cheque for £125.11.11. 1919
193. Small black notebook,with addresses and travel arrangements for journey to Prague to buy supply of uranium from Joachimsthal Mines. Also various calculns.and,at rear of book, particulars of terms of purchase. See also 16,201. 1921
194. Dark red ex.bk. 'First Book on Working up Monazite Jan-Sep. 1920.' ;also contains work on Uranium 1919. 1919 - 20
195. Beige ex.bk. '1st. Workings up of Travancore Monazite Sand 15.IX.20 - 15.XI.20' (in various hands). 1920 - 21
196. Pale blue ex.bk. 'Working up of Travancore Monazite Sand 16.XI.20 - 23.IV.21' 1920
197. Dark blue ex.bk. 'Work on Monazite (Oxford) Sept.1920 - Dec. 1921'; also note by Soddy on front page dated 30.9.39 1920 - 21
1939
198. Black ex.bk. 'Working up of Travancore Monazite Sand 12.3.21- 8.3.22.'; note at end dated Apr.1939. 1921 - 22
1939
199. Red ex.bk. 'Measurements on Ra Ac(Miss H.) May 1925 (started) over several years'. (Reference is to Miss A.Hitchens) 1925
200. Thesis on Alpha Rays of Actinium,submitted for D.Phil.Oxford by Marchese Paulo Misciatelli. 1927
(Soddy was the Supervisor of this thesis and wrote about the work to Professor Parravano,Rome,in an accompanying letter).
201. Work on radium extraction and α activity,by Soddy, Miss A. Hitchens,Mr. Reilly; includes correspondence with Radium Corporation of Czecho-Slovakia. See also 16,193. 1921 - 22
202. Work by Miss A.Hitchens on separation of Ac and Io in Pitchblende. 1925 - 26

- F.S. C.S.A.C. 14/8/74 24.
203. Corresp. and tests with C.H.Bosanquet; X-ray spectrometer tests on rare-earth mixtures separated from pitchblende. 1925 - 26
204. Misc. notes and papers on pitchblende; includes work by Miss A.Hitchens and J.K.Marsh. 1926
205. Ms. notes and papers on Thorium and Uranium in Monazite sand (signed S.I.) n.d.
206. Ms.notes on Activity of Ionium; in various hands. n.d.
207. Expts. by Soddy on monazite sand. 1938 - 39
208. Notes and expts. by Soddy and Miss A.Hitchens, with undated note by Soddy: 'Batch of loose papers, retained from pre-resignation work on Monazite...'
209. 9 sets of candidates' examination answer-books, numbered In - IXn; detailed expts. on ray measurements. 1934 - 35
1 answer-book 'test of new apparatus'. 1939
210. Small black notebook, 'Museum House Store Room etc. Inventory Feb. 1937' 1937
211. Small black notebook, 'RAD.STORES etc.'; inventory of radioactive residues; also data on X-ray spectrograph. perh1937
212. Dark red ex.bk. 'Work on Ac mainly' 1924 and 1932 - 35
213. 'Monazite Oct.22 - Feb.27 resumed in Museum House June 1937 - June 1939.' 1922 and 1937 - 39
214. 'Monazite Aug.1939 - May 1941' 1939 - 41
215. Misc. offprints by other scientists on rare-earths, X-ray spectra etc.

IX Correspondence

The correspondence is arranged chronologically. The majority comes from M.Howorth's collection. Additional letters found in the Inorganic Chemistry Laboratory, Oxford, are marked with an asterisk.

216. Misc. references for students. (Not sorted or indexed).
217. Corr. with Dept. of Coins and Medals, British Museum re Soddy's 1905 request to examine B.M.coins for chemical reaction (declined by Trustees); letters exchanged with Barclay V.Head, G.F.Hill, E.Thompson.
218. * Letter from K.A.Fajans 19.x.13 1913

219. * Letters from Howard A.Kelly, Charles L.Parsons, Karl L. Kithil re despatch to Soddy in Glasgow of carnotite ore from Bureau of Mines, Colorado, in co-operation with National Radium Institute. 1914
220. 2 letters from A.J.Balfour 1914, 1920
221. Corresp. with University of Glasgow re work submitted for D.Sc. by Alexander (Lord) Fleck. 1916
Undated Ms. reference for Fleck supporting his application for a Fellowship and describing scientific work done in collaboration. perh. 1914
222. Reference by Soddy for Alexander Russell (later Student of Christ Church, Oxford) as Lecturer, Westminster Training Coll. 1913
Later testimonial for Russell. 1919
223. Misc. letters of thanks to Soddy for complimentary copies of Science and Life; includes letters from Maude Royden, Rutherford, H.G.Wells. 1920
224. * Corr. re John Ernest Marsh, renewal of Fellowship, Merton College, Oxford. 1923, 1928
225. * Corr. with Radium Belge re shipment of Katanga Uranium ores for work at Oxford. 1923 - 24
226. * Corr. with Alexander Russell re work on uranyl nitrate; includes Ms by Soddy 'Résumé of Work on the Uranium Compounds' 1925
227. * Corr. with Frederick M.Brewer; request for testimonial and copy of Soddy's testimonial in reply. 1926
228. Corr. with Rutherford re specimens of thorium lead. 1927
229. Misc. corr. re specimen of thorium lead sent to Professor Hönigschmid in 1916 through Professor Kammerlingh Onnes; letters exchanged with Professor W.J.de Haas, O.Hönigschmid, Stefan Meyer. See also 228, 230. 1927
230. Misc. corr. with Robert A.Lawson, Fritz A.Paneth (to M.Howorth), tributes to Stefan Meyer by Lawson and Paneth re loan of thorium lead and events in 1914 - 18 War. See also 228, 229 1942
1950
1957
231. * Corr. with John A.Cranston; testimonial by Soddy supporting Cranston's application for Chair of Chemistry, Bangor. 1930
232. from E.F.Armstrong 1935
233. Corr. with W.A.Noyes re controversy over priority of discoveries of atomic disintegration and isotopes. 1935 - 36
234. From A.W.Stewart, on Soddy's retirement. 1936
235. From Sir John Townsend on measurements of 'e' and 'e/m' 1936
236. From Sir Cyril Hinshelwood; includes letter to M.Howorth from Hinshelwood. 1937, 1957

237. Corr. with Professor A.S.Eve during preparation of Eve's The Life of Rutherford. 1938
238. Letter to Nobel Committee for Chemistry, suggesting Fritz Paneth and George von Hevesy as candidates for Nobel Prize. 1938
239. Corr. with Professor Norman Feather FRS during preparation of Feather's biography of Rutherford; includes letter from Feather to M.Howorth. 1939
1957
240. Letter from Dr. S.T.Bowden on early use of term 'isotope'. 1939
241. Letters from Edgar C.Thrupp(Vancouver) on predictions of magnetic storms. 1939
242. From Sidney A.Reeve. 1939
243. Corr. re patents on rare-earth elements including thorium. 1940
244. Corr. with Harry W.English. 1942 - 43
245. Document on 'Relativity Nonsense' by Robert Harvey. n.d.
246. Corr. with Sir James Chadwick; includes letters from Chadwick to M.Howorth. 1942
1957 - 58
247. Corr. with Dr. F.W.Lanchester on gravity and radioactivity. 1945
248. Corr. with Sir Charles Darwin, on energy. 1945
249. Invitation to visit Moscow, Academy of Sciences USSR 1945
250. Corr. with Morris W.Travers; includes two versions of Soddy's unpublished letter to NATURE correcting Otto Hahn's New Atoms 1950, with addendum dated 1953. 1946 - 53
251. Corr. with Morris W.Travers re collaboration of Ramsay and Soddy in 1903; contains information on expts.carried out and dates of work. 1946 - 49
252. Letter from People's Common Law Parliament. 1947
253. Letter re lecture at Economic Reform Club and Institute. 1948
254. Corr. with C.H.Collie and Kurt Mendelssohn re Soddy's radioactive materials; with related offprints. 1949 - 51
255. Letter from Sir Richard Gregory. 1950
256. Corr. with Herbert Marcus Powell. 1951, 1953
257. Controversy on priority of claims of Wm.Higgins and John Dalton in modern atomic theory.; includes Ms of Soddy's letter to NATURE May 5, 1951, in response to J.R.Partington's letter of Jan 20, 1951; further corr. with J.R.Partington and Fritz Paneth. Also includes one letter from Paneth dated 1941. 1951

258. Misc. personal correspondence. 1952 - 53
259. Letter from E.R.Pounder, thanking Soddy for gift of articles 1953
260. Corr. with Sir Harold Hartley re Soddy's early ideas on atomic energy; includes cuttings of 2 articles by Soddy written 1903, on 'Recent Advances in Radioactivity' and 'Possible future applications of radium.' 1953

X Index to Principal Correspondents

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