

SILVANUS PHILLIPS
THOMPSON
F. R. S.

List of correspondence and papers in the
IMPERIAL COLLEGE ARCHIVES

IMPERIAL COLLEGE OF SCIENCE AND
TECHNOLOGY

(University of London)

List of the papers and correspondence of

SILVANUS PHILLIPS THOMPSON

F R S

preserved in the Imperial College Archives

C O N T E N T S

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SILVANUS PHILLIPS THOMPSON, F. R. S.

1851 - 1916.

Professor Thompson was a student of the Royal College of Chemistry from 1875 - 1876, and the first Principal, and Professor of Applied Physics and Electrical Engineering, at the Finsbury Technical College, from 1885 until his death. The College was administered by the City and Guilds College, one of the constituent Colleges of the Imperial College.

Silvanus Thompson showed at an early age great vigour and breadth of mind, considerable literary and artistic talent, and untiring industry that never abated throughout his life... the coincidence of Thompson's scientific life with the inauguration of the age of electrical engineering gave an irresistible opportunity for the exercise of his special talents... he attained the position of a pioneer in the development of applied electricity... His public lectures attracted large audiences and aided greatly in promoting technical education, especially in electrical engineering. Thompson pursued with zest his literary, antiquarian and artistic tastes... He was a skilful painter especially of Alpine scenery, and an accomplished linguist. He came of Quaker stock and was throughout his life an earnest member of the Society of Friends, in which he was recognised as a minister in 1903.

These extracts from the biographical notice in the 'Dictionary of National Biography' give some impression of the Professor's importance in the history of electrical engineering and also indicate the breadth and versatility of his talents and interests.

Miss Helen G. Thompson, one of the four daughters of the Professor, presented his correspondence, some valuable items from his famous library, and a number of his own publications, to the Imperial College, in 1962. A description of the books does not come within the scope of this list, but they include a first edition of the 'De Magnete' of William Gilbert, and the beautiful facsimile translation of this work, produced for Gilbert's tercentenary by Professor Thompson and his fellow members of the Gilbert Club. The Professor was an enthusiastic bibliophile, and as 'Brother Magnetizer' was a member

of the 'Sette of Odde Volumes', in which he played a prominent part. He was of course also a distinguished member of the many professional societies to which he belonged, some of which he helped to found. He was President at different times of the Röntgen Society, the Institute of Electrical Engineers, and the Physical, Optical and Illuminating Engineering Societies.

The Imperial College is most grateful to Miss Thompson for this generous gift.

Jeanne Pingree,
College Archivist,
March, 1967.

LETTERS, etc.

The correspondence listed here includes letters written by and to S. P. Thompson, and also items from his collection of manuscripts. Lady Wilson, daughter of Richard Phillips, gave Thompson the letters which Faraday wrote to her father.

The Professor also possessed autographs collected by his father and grandfather, which may have included the letters by Ampère and Volta, etc.

Unless described otherwise, all the letters are holograph letters, a note being given of typewritten letters. The description 'dictated' indicates the employment of an amanuensis. Some of the letters relating to the Kelvin biography are arranged in a book.

A reference is given for any letters which are printed or quoted in 'Silvanus Phillips Thompson. His life and letters' by J. S. and H. G. Thompson, published in 1920 by Fisher Unwin and referred to in this list as the 'Life'. Letters used in the biography of Lord Kelvin, published in 1910, are also noted.

The compiler is indebted to Mrs. Magda Whitrow and Dr. Umberto Ratti for their help in translating the letters.

The following abbreviations have been used : -

B.A.	British Association for the Advancement of Science.
F.T.C.	Finsbury Technical College.
I.E.E.	Institution of Electrical Engineers.
p. m.	Postmark.
P.R.S.	President of the Royal Society.
R.S.	Royal Society.

IMPERIAL COLLEGE ARCHIVES.

List of correspondence and papers of S. P. THOMPSON.

ADDENDUM, p. 17.

FARADAY, Michael. 1791 - 1867.

The following letters were written to Dr. Richard Phillips (1778 - 1851) References are given for those printed in 'Michael Faraday; his life and work', by S.P.Thompson, published by Cassell in 1898.

- | | | |
|------|---|---|
| 439. | July 10, 1830.
Royal Institution. | Analyses a packet of alkali sent by RP; his opinion of the comparative powers of soda and potash in their action on organic bodies. |
| 440. | June 21, 1831.
The same. 'Life',
p. 61. | His anxiety about the progress of RP's affairs; does not require payment for his professional advice. |
| 441. | September 23, 1831.
The same. 'Life',
p. 109. | Comments on a letter from RP to Dr. Reid; 'am busy just now again with Electro-Magnetism and think I have got hold of a good thing.' |
| 442. | October 15, 1834.
The same. | Will write a paper for the Philosophical Magazine for Phillips. |
| 443. | January 22, 1835.
1-10. The same. | Memorandum; reply to statements made by Dr. Davy, that he had claimed the discoveries of Sir H. Davy as his own. |
| 444. | October 10, 1835.
The same. | Letter about the above memorandum 'Mr. Faraday's reply to Dr. Davy's remarks'. Asks that as Davy has published his statements if Phillips will publish his reply to them in the Philosophical Magazine. |

ABEL, Sir Frederick Augustus. 1827 - 1902.

1. March 3, 1885. Congratulates SPT on his appointment as Principal of the F.T.C. [See 'Life', p. 130.]

ALLBUTT, Sir Thomas Clifford. 1836 - 1925.

2. February 4, 1912. Postcard. Acknowledgement of Cambridge. SPT's offer of copies of translations of 'De Magnete' and 'Gilbert, Physician'.

ALVERSTONE, 1st Viscount. See WEBSTER, Sir Richard Everard.

AMPÈRE, André Marie. 1775 - 1836.

438. June 16, 1828. In French. Gives permission to Paris. M. Bachelier to obtain packet of his papers from a library.

AYRTON, Hertha. Mrs. W.E. Ayrton, née Marks.

12. July 16, 1893. Enquiry about feeding arc lamps in vacuum; asks for loan of apparatus if possible.
41, Kensington Park Gardens.
13. August 2, 1895. Enquiry about experiments on electric arc; also on SPT's method of measuring the length of the arc.
Suffolk.
14. January 8, 1896. Acknowledgement of copy of Cantor lectures; interpretation of results of phenomena of the crater-current relationship.
41, Kensington Park Gardens.
15. January 18, 1900. Acceptance of an invitation to a meeting of the 'Odde Volumes'.
The same.
16. Photograph of Mrs. Ayrton.
- 14a. September 8, 1900. Thanks SPT for supporting admission of women to the committees of the B.A. (The letter is bound in the copy of E. Sharp's biography of Mrs. Ayrton in the Thompson Collection.)
The same.

See also AYRTON, William Edward. 6.

AYRTON, William Edward. 1847 - 1908.

3. February 14, 1883.
74, Queen Street. Enquiry about publications by Deprez on governing motors. Reply from SPT on back of sheet.
4. February 16, 1885.
68, Sloane Street. Describes his 'periodic' governor; does not think that Deprez solved the converse of his dynamo governing problem.
5. June 17, 1891.
Central Institution. Advises the appointment of C.G. Lamb to Leicester.
6. January 25, 1895.
41, Kensington Park Gardens. Possible misunderstanding by Mrs. Ayrton of statement in SPT's first Cantor lecture, on the relative sizes of crater and current, which has not been proved by her own experiments.
7. May 9, 1899.
Central Technical College. Arrangements for the participation of the staff of the C.T.C. and F.T.C. in laying of foundation stone [for the Victoria and Albert Museum.]
8. October 27,
Central Technical College. Description of the circumstances of the appointment of Greenslade to post in Cork.
9. February 5,
2, Upper Phillimore Gardens. [before 1891.] Asks SPT to send a copy of Air Pump paper to an American firm.
10. n.d.
41, Kensington Park Gdns. Special thanks for Christmas card, designed by SPT.
11. December 30,
20, Lower Road Garden,
Brighton. Asks for material on American technical colleges and details of any electrotechnical laboratories.

BAKER, John Gilbert. 1834 - 1920.

458. June 19, 1916.
3, Cumberland Road, Kew. To Mrs. Thompson. Letter of condolence on the death of SPT.

BANTI, Angelo.

17. June 29, 1902.
Rome. Typewritten. In French. Has published the results of his researches on 'le Coherer Castelli'; enquires about articles on the 'pettogolezzo' about which Marconi spoke when in England.

BARLOW, Thomas.

18. February 10,
The Athenaeum. Asks SPT to vote for his son James Alan Barlow at the next Athenaeum election.

BARNARD, Jane.

506. February 8, 1910. Thanks for copy of the 'Life of
12, Highbury Terrace, N. Kelvin. '

BARRETT, Sir William Fletcher. 1844 - 1925.

19. [1878] Congratulations on success in London University [award of D.Sc.]; unable to give him a room for the B.A. meeting; insanity of his sister-in-law; invitation to dinner.
20. November 10, 1879. Thanks for a pamphlet [on Technical
1-2. Royal College of Education?] with comments on it; Science, Dublin. desire of 'artisan classes' for knowledge; importance of systematic instruction for trade apprentices; unsuccessful experiment with telephones; hopes that Letts may obtain new post.
21. December 11, 1879. Testimonial for the Chair of Physics at
The same. Josiah Mason's College.
22. April 20 [1882] Successful results using a Reis receiver
The same. and his transmitter; his participation in a lawsuit about a specification of Edison's .
23. February 16, [1885.] Withdrew his application for the F.T.C.
The same. See 'Life' post when he heard that SPT was applying p. 129. for it; has spoken to Magnus on his behalf; Armstrong's attempts to secure the appointment of a chemist.
24. [1896 ?] Regrets that he cannot be present at a
6, De Vesce Terrace, lecture of Thompson's; refers to his Kingstown, Dublin. experiments on the perception of luminosity in a magnetic field, with details of his published results.
25. December 8, Is lecturing on 'the Electric Light' and
Royal College of Science, hopes he may call on SPT if he finds Dublin. himself short of experiments; admiration of SPT's latest book; hopes that SPT's 'secondary batteries' will be 'the primary of them all. '

26. December 13,
The same. Appreciation of SPT's book [unnamed.]
Suggests arrangements for its sale;
enquires how much he owes SPT for slides
of Edison's machine, Swan lamps etc. ;asks
for copies of slides of dynamo machines, etc.

BARRY, Sir John Wolfe. 1836 - 1918.

27. January 31, 1913. Asks if SPT is willing to be appointed
Delahay House, as Professor of Applied Physics by the
Chelsea. University of London.

BARWICK, George Frederick. 1853 - 1931.

28. June 18, 1914. Thanks for sending copy of the 'Rose
British Museum. of the winds. '

BEALE, Dorothea. 1831 - 1906.

29. March 1, 1880. Arranges possible dates for a course
Ladies' College, of lectures on 'Heat' by SPT.
Cheltenham.

BECQUEREL, Antoine Henri. 1852 - 1908.

139. January 19, 1902. In French. Will come to a reception
6, Rue Dumont d'Urville, at SPT's home in March, when he
Paris. hopes to arrive in England.

140. December 25, 1902. In French. New Year greetings. Touched
The same. to have seen letters by his father and
grandfather in SPT's collection; sends
photographs of their portraits; recalls
seeing his grandfather write the letter
to Valipocelli now in SPT's possession,
at their country home; set up the
experiment which Valipocelli came to
see there, himself.

141. December 2 [?] 1908. Postcard, in French. Photograph of
The same. Becquerel's country home, referred to
in 140. Thanks for greetings.

142. December 23, 1908. From Mme. Becquerel, in French. Thanks
The same. SPT for condolences on the death of her
husband; is glad that he has written an
obituary notice which she will try to see.

143. December 27, 1908. Mourning visiting card of Mme. Becquerel.
Paris. Thanks for copy of memorial notice in
'Nature. '

144. Copy of photograph of Antoine César Becquerel.
145. Two copies of photographs of Alexandre Edmond Becquerel.
- BEHREND, Bernard Arthur. 1875 - 1932.
572. March 27, 1901. Typewritten. Appreciation of reference
1-2. Cincinnati, Ohio. to his work in 'Polyphase electric currents', mentions a few points which seem to him to be incorrect, in descriptions of Oerlikon motor, etc.
- BELL, Alexander Graham. 1847 - 1922.
30. March 7, 1879. Letter written by 'A.E.R.' Replies to
1509, Rhode Island Avenue, enquiry; experiments made with two pair
Washington, D.C. Partly telephones made in London in 1878, are
quoted, 'Life', p. 108. not yet published, but he has expanded
his researches which he will shortly
communicate to the American Academy
of Sciences. Is writing History of Tele-
phony; describes a case of binaural
audition and gives references; mentions
recent foundation of the American Journal
of Otology and its contributors.
31. December 27, 1879. Hopes that SPT will have time to carry on
904, 14th Street NW, his valuable researches in Bristol, and
Washington, D.C. Partly not have to seek for a professorship else-
quoted, 'Life', p. 109. where. Mentions a forthcoming article on
Binaural Audition in the Journal of Otology.
32. January 30, 1880. Written by 'A.E.R.'. Will send advance
1-4. Washington, D.C. copy of his paper on Binaural Audition;
Quoted, 'Life', p. 109. would like to have details of instrument for
compound analysis when possible; mentions
his arrangements for a siren, devised in
1874. Refers to high reputation of Hoboken
Institute; has written to its President for
an explanation of some affair alluded to by
Thompson.
33. October 28, 1880. Dictated. Sends copy of 'La Nature' with
Metropolitan Hotel, drawings of photophone; describes working
Rue Cambon, Paris. of apparatus in great detail; diagrams.
34. November 20, 1880. Hopes that SPT will not allow personal
Langham Hotel, London. feeling to prevent him from lecturing on
the photophone.

35. November 28, [1880?]
Metropolitan Hotel,
Paris. Dictated. Interested in press notices of
SPT's lecture on 'Waves of sound' and
improved phonograph.

BIDWELL, Shelford. 1848 - 1909.

48. May 26, 1887.
Riverstone Lodge,
Wandsworth. Thanks for copy of 'Lessons in
Electricity.'

BIRKELAND, Kristian. 1867 - 1917.

36. April 18, 1910.
Christiania. Interested in SPT's study of physiological
effect of an alternating magnetic field,
mentions where he has seen this effect;
is about to trace any effects of Halley's
comet, in Finmarken.

529. February 13, 1910.
Christiania. Thanks for copy of the 'Life of Kelvin.'

BJERKNES, Carl Anton.

37. December 30, 1879.
1-3. Christiania. In French. Writes in detail to explain
his theories on hydroelectricity.

38. March 7, 1880.
1-6. Christiania. In French. Further details about his
researches in hydroelectricity; with
seven small sheets of diagrams, in
pencil, in illustration.

The two letters above are enclosed in an envelope on which Thompson wrote:
'Manuscript of C.A. Bjerknes on his Hydrodynamic experiments.'

BODINGTON, Sir Nathan. 1848 - 1911.

51. November 16, 1908.
Woodbourne, North
Hill Road, Leeds. Thanks for congratulations [on
knighthood.]

BOISTEL, Ernest.

41. February 15, 1903.
62, Rue Madame,
Paris. Typewritten, in French. Sends list
of errata in 'Design of Dynamos.'

42. February 12, 1904. Typewritten, in French. Needs metrical
66, Rue de Vaugirard, tables from Germany to complete his
Paris. translation of the ' Design of Dynamos. '
43. October 16, 1905. Typewritten, in French. Regrets SPT's
The same. ill health. Has had no supplementary
papers for his recent translation.
540. February 16, 1910. Typewritten. Thanks for copy of the
The same. ' Life of Kelvin. '

BOTTOMLEY, James T.

495. February 9, 1910. Thanks for copy of the 'Life of Kelvin. '
13, University Gardens,
Glasgow.
498. February 19, 1910. From Mrs. Bottomley. Admiration for
1-2. The same. the 'Life.' [A page appears to be missing;
it probably referred to Lady Kelvin's
dislike of the photographs of Lord Kelvin.]
497. February 23, 1910. From Mrs. Bottomley. Arrangements for
1-2. The same. smoothing over difficulties about Miss
King's photograph of Lord Kelvin, which
Lady Kelvin particularly disliked; further
admiration of the 'Life. '
496. June 16, 1915. Typewritten. Can give no information
1-3. The same. about a sonnet written about Lord Kelvin,
but will arrange a search for it in the
library; is busy providing periscopes and
aviation compasses for the war effort.

BOUSFIELD, Sir William. 1842 - 1910.

573. October 27, 1884. Joint opinion, with Henry James, on
Inner Temple. SPT's ' Valve Telephone', which they
did not hold to be an infringement of the
Bell and Edison patents.

BOYD, Stanley.

44. October 14, Thanks for an unnamed brochure.
134, Harley Street.

BOYS, Sir Charles Vernon. 1855 - 1944.

45. August 12, 1915. An enquiry about the alleged necessity
1-2. Metropolitan Gas for moderate acceleration in firing
Referees, mechanism in some unspecified weapon
66, Victoria Street. [perhaps a trench mortar ?] which he
was designing.

BRAMWELL, Sir Frederick Joseph. 1818 - 1903.

87. October 26, 1898. Typewritten. Discussion of the
1-2. 5, Great George character of the Royal Institution and
Street, S.W. its possible liability for parochial rating
if described as a 'Club'; returns proof
slip from Chapter II of a new work by
SPT and asks if references to the
Institution can be re-worded.

BRIGHT, Sir Charles. 1863 - 1937.

542. February 10, 1910. Thanks for copy of the 'Life of
Caxton House, S.W. Kelvin.'

BROWN, C. E. L.

574. February 10, 1900. Typewritten. Expression of
Brown, Boveri & Cie., appreciation of 'Polyphase Electric
Baden and Frankfurt. Currents.'

BRYCE, James. 1st Viscount Bryce. 1838 - 1922.

49. February 14, 1907. Thanks for kind greetings and
On board H. M. S. reference to his 'Flora of Annan.'
'Oceanic.'

BURDON - SANDERSON, Sir John Scott. 1828 - 1905.

286. December 21, 1879. Testimonial in favour of SPT's
application for the Chair of Physics
at Mason's College, Birmingham.

BURKITT, Francis Crawford. 1864 - 1935.

46. October 12, 1907. Asks for title of SPT's forthcoming
1-2. Grange Road, paper at the Cambridge Theological
Cambridge. Society.

47. June 6, 1912. Afflictions of May Week; comments on
1-2. Westroad Corner, passage from Timothy, Corinthians,
Cambridge. etc., in the Greek Bible.

BYWATER, Ingram. 1840 - 1914.

50. November 21, 1907. Declines invitation to dine with the
6, Norham Gardens, 'Odde Volumes.'
Oxford.

CALLENDAR, Hugh Longbourne. 1863 - 1930.

52. September 20, 1907. Refers SPT to his statement on
49, Grange Road, Griffith's claims to the Rumford
Ealing. medal, which should be of help in
some unspecified matter.

CARDANI, Pietro. 1858 - 1924.

53. December 29, 1899. In Italian. New Year greetings.
Istituto Fisico, Parma.

CARDEW, Philip. 1851 - 1910.

54. November 28, 1888. Asks if SPT can lecture on electrical
1-2. Electrical School, engineering to the R. E. officers at
Chatham. Chatham; gives details of time, etc.;
comments on misstatement in 'Dynamo
Electric Machinery' about his method
of testing dynamos for efficiency, which
is not, as alleged in that book, a
modification of Hopkinson's method.

CARHART, Henry Smith. 1844 - 1920.

55. February 23, 1896. Typewritten. Jokes about the use of the
1-2. University of Michigan. word 'rotatory.' Mentions books he is
writing or has written; Rowland's work
on Röntgen photography.

56. October 29, 1908. Thanks for copies of Thompson's
Piccadilly Hotel, books.
London.

460. July 23, 1916.
1-2. Pasadena, California. To Mrs. Thompson. Letter of
condolence on the death of SPT.

CHANNING, William Francis. 1820 - 1901.

267. June 29, 1883.
Providence,
Rhode Island. Describes the scope, etc. of his
review of SPT's biography of
Phillip Reis, for the 'Popular
Science Monthly', and hopes that
SPT will like it; refers to the Bell
telephone monopoly in the States
and to the 'frightful exactions' on
the public.

CHRISTIE, Sir William Henry Mahoney. 1845 - 1922.

57. January 10, 1906.
Royal Observatory,
Greenwich. Declines an invitation to become
President of the Optical Society.

CLIFTON, Robert Bellamy. 1836 - 1921.

58. January 10, 1889.
Portland Lodge, Park
Town, Oxford. Thanks for papers. Comments on
SPT's account of the mercurial
air pump.

CLODD, Edward. 1840 - 1930.

59. February 15, 1908.
Savile Club. As Chairman of the Rationalist
Press Association asks SPT to
write a History of Physics, as
part of a projected series on the
history of the sciences.

COALES, John Dennis. 1876 - 1942.

461. June 16, 1916.
4, Sion Road,
Twickenham. To Mrs. Thompson. Letter of
condolence on the death of SPT.

COCKERELL, Sir Sydney. 1867 - 1962.

601. October 28, 1911.
Fitzwilliam Museum,
Cambridge. Thanks for photographs of the
Gilbert portrait; he questions
its genuineness, as the inscript-
ion seems dubious to him.

60. June 15, 1914. Thanks for SPT's paper on the
The same. compass card.

CONYNGHAME, Henry.

61. n. d. Sends a copy of a book [on
The Temple. electricity ?] which he has written
from a legal point of view; expresses
his appreciation of a book by SPT
which has been very useful.

COOKE, Conrad W. See GILBERT CLUB.

CORMACK, John Dewar. 1870 - 1935.

515. February 8, 1910. Thanks for copy of the 'Life
University College. of Kelvin.'

CORTI, Antonio.

All letters written in Italian, from Como, in 1803, to Carlo Raimondi.
See also the letter by Alessandro Volta, (446) about the purchase of
the house mentioned in these letters.

448. April 16. Corti appears to have been an
449. May 7. agent or bailiff in Raimondi's
450. May 20. service. These letters discuss
451. June 1. the possible sale of a house and
452. June 15. other property belonging to
453. June 22. Raimondi, at Como. The Volta
454. July 31. brothers' offer of 27,000 lire
455. August 26. for the house is mentioned.
456. October 13.

CREAK, Ettrick William. 1835 - 1920.

62. November 30, 1906. Thanks for the translation of
6, Hervey Road, 'Peregrinus'; comments on the
Blackheath. improvement of the compass by
Peregrinus.

CRICHTON - BROWNE, Sir James. 1840 - 1938.

63. October 15, 1880. Thanks for corrected proofs
for a contribution to 'Brain.'

- 63a. April 4, 1910.
1-2. The Athenaeum. Expresses his interest in SPT's discovery of a new application of magnetism ' which opens up an entirely new field.' Photograph enclosed, showing SPT with his head enclosed in some large piece of apparatus.
459. June 18, 1916.
45, Hans Crescent. To Mrs. Thompson. Letter of condolence on the death of SPT.

CROOKES, Sir William. 1832 - 1919.

64. June 20, 1876.
20, Mornington Road,
London, N.W. Offers to replace some broken bulbs;will ask Dr. Guthrie what type of instrument he requires.
65. September 5, 1878.
Quarterly Journal
of Science. Would like an article by SPT on 'Priority in scientific discovery'- refers to account of a dispute between himself and M. Lamy.
66. May 5, 1887.
7, Kensington Park
Gardens. Arrangements for meeting.
67. June 23, 1888.
The same. Typewritten. Invitation to call.
68. April 23, 1889.
The same. Typewritten. Invitation to dinner to meet Oliver Lodge.
69. December 23, 1890.
The same. Typewritten. Thanks for pointing out Boltzmann's theory; mathematical error in one of his R.S. papers.
70. October 18, 1894.
The same. Postcard. Acceptance of dinner invitation.
71. June 2, 1896.
The same. Typewritten. Covering note for collection of published papers; is testing metallic uranium against platinum as radiator of the unknown X.
72. April 8, 1897.
Hotel Continental, Paris. Has seen Moisseau melt titanium; describes experiment and its effects.
73. January 1, 1902.
7, Kensington Park
Gardens. Typewritten. Thanks for copy of the 'De Magnete' translation; is still experimenting on ' electrons.'

74. March 25,
Morland, Chislett
Road. Printed in
'Life', p. 236. SPT to Sir William. Suggests possible
titles and subjects for his two forth-
coming lectures at the Royal Institution.
75. May 16, 1903.
Kensington Park
Gardens. Typewritten. Sends some tickets.
76. October 30, 1903.
The same. Typewritten. Declines dinner invitation,
and regrets that he will not therefore
hear the views of the 'Magnitiser' (sic)
on Radium.
77. May 8, 1905.
The same. Enquiry about the possibility of similarity
of crystallisation in fluor spar, spinels
and diamonds.
78. April 12, 1906.
The same. Typewritten. Celebrations of his golden
wedding; regrets SPT's absence; thanks
for gift of watercolour. [See 'Life' p. 308,
for a description of this painting.]
79. November 27, 1907.
The same. Typewritten. Thanks for portrait of
SPT.
80. May 23, 1909.
The same. Postcard. Note about spinthariscopes.
81. July 9, 1910.
The same. Thanks for congratulations on
knighthood.
82. June 19, 1912.
The same. Thanks for good wishes on 80th
birthday.
83. September 7, 1915.
Lion Mansion Hotel,
Brighton. Acknowledgement of sympathy on
death of son; staying in Brighton for
Lady Crookes' health.
84. April 17, 1916.
Kensington Park
Gardens. Typewritten. Thanks for congratulations
on Diamond wedding.
85. November 8, 1916.
The same. Typewritten. To Mrs. Aggs. Note
about return of painting by SPT.
86. 1. Photograph of Sir W. Crookes from
supplement to 'Nature', November 7, 1907.
2. Birdseye views of society, no. XV.
Science and art conversazione. Print.
3. 'A merry meeting at the Royal
Institution, Albemarle Street. 'Print
of drawing of demonstration by Huxley.

462. June 14, 1916. Postcard. To Mrs. Thompson. Sympathy
London. etc. on the death of SPT.

CRUM, Jessie.

494. February 9, 1910. Thanks for copy of the 'Life of Kelvin.'
Danefield, Largs,
Ayrshire.

503. February 16, 1910. Admiration of the 'Life'; comments on
1-3. The same. SPT's description of her sister, Kelvin's
first wife; dislike of Sir Edward Fry's
letter in vol. 2, p. 1095, and his references
to Kelvin's Episcopalian views, which she
explains to be mistaken.

CRUM - BROWN, Alexander.

505. February 12, 1910. Thanks for copy of the 'Life of
8, Belgrave Crescent, Kelvin.'
Edinburgh.

CURIE, Pierre. 1859 - 1906.

88. May 6, 1903. In French. Thanks for copy of the
Faculté des Sciences "Life of Faraday."
de Paris.

89. Photograph of Pierre Curie.

DALBY, William Ernest. 1862 - 1936.

91. October 19, 1918. Typewritten. To Mrs. Thompson.
Ealing. See 'Life', Describes work and influence of
p. 142. SPT at Finsbury.

DALTON, Ormonde M. 1866 - 1945.

90. June 15, 1914. Postcard. Thanks for copy of the
British Museum. 'Rose of the Winds.'

DARWIN, Sir George. 1845 - 1912.

92. October 28, 1908. Sends letters from Lord and Lady
Newnham Grange, Kelvin; mentions one he particularly
Cambridge. values.
93. October 2, 1909. Comments on a portion of the M.S.
The same. Partly of Kelvin's biography.
quoted, 'Life', p. 293.
509. February 8, 1910. Thanks for the 'Life of Kelvin.'
The same.

DAVIDSON, Sir James Mackenzie. 1856 - 1917.

94. December 14, 1911. Thanks for demonstration by SPT's
26, Park Crescent, assistant, Mould, of the visual effect
Portland Place. of a powerful alternating magnetic
field; regrets missing him.
95. February 29, 1912. Regrets having to decline invitation
The same. to meeting of the Röntgen Society.
96. January 12, 1915. Enquiry about telephone; winding and
The same. resistance required for voltage of
1 - 1.75, to give best results in
method of tracing bullets in wounded,
after localisation by X - ray.

DEWAR, Sir James. 1842 - 1923.

468. June 13, 1916. To Mrs. Thompson. Letter of
Royal Institution. condolence on the death of SPT.

DICKINS, Frederick Victor. 1838 - 1915.

551. June 28, 1910. Admiration of the 'Life of Kelvin.'
Seend Lodge, Wilts.

DICKSON, James Douglas Hamilton. 1849 - 1931.

378. August 1, 1929. To Mrs. Thompson. Returns the
6, Cranmer Road, letters written to him by SPT, about
Cambridge. the biography of Kelvin.
- 356 - Correspondence between Dickson and SPT from June 1908 to
377. August 1909, about details in the Kelvin 'Life.' [See the 'Life
of Kelvin', p. 286 onwards for quotations from these letters.]

507. February 8, 1910. Appreciation of SPT's allusions
6, Cranmer Road, to his help in the 'Life of Kelvin',
Cambridge. and his pleasure in giving it;
recent marriage of his daughter.

DU BOIS, Henri E.J.G. 1863 - 1918.

39. July 29, 1893. Asks permission to copy figures
1-2. Mittelstrasse 39, in SPT's Dynamo Electric
Berlin. Machinery for a forthcoming book
on magnetic circuits. Unable to
attend 'World's Congress of
Electricians'.
40. March 16, 1910. Hopes to attend B.A. meeting.
1-2. Bosschalaboratorium, Discusses a magnetic point.
Berlin.
535. March 6, 1910. Thanks, and comments, on receipt
The same. of 'Life of Kelvin': enquiry about
B.A. meeting; age of Sir Joseph
Swan; describes his methods with
large electromagnets of high satu-
rations using as many windings as
possible, about which he asks SPT's
opinion.

DUDELL, William. 1872 - 1917.

97. March 1, 1907. Thanks for the trouble taken by
47, Hans Place, SPT in bringing about his selection
S.W. [for election to the Royal Society].
98. August 9, 1914. Expresses pleasure that SPT will
The same. give paper to the O[dde] V[olumes].
Asks whether he has been able to
return home [from abroad].

See also MARCONI, Guglielmo.

DYSON, Sir Frank Watson. 1868 - 1939.

99. January 5, 1915. Thanks for congratulations on his
Royal Observatory, 'good luck' [knighthood in New Year
Greenwich. Honours].

EVANS, Sir John. 1823 - 1908.

100. March 9, 1897. Note: 'I have at last run the bombin-
Nash Mills, ating Chimaera to earth in Rabelais
Hemel Hempstead. LL. 7. Enclosed is a note from my
brother which you may like to see'.
[No enclosure].

EWING, Sir James Alfred. 1855 - 1935.

575. May 29, [must be
between 1914-16].
Froghole, Edenbridge. Would like to discuss SPT's
paper on Hysteresis Loops.

527. February 13, 1910.
The same. Thanks for copy of 'Life of
Kelvin'.

FERRANTI, Sebastian Ziani de. 1864 - 1930.

101. January 2, 1892.
London. Typewritten. Postpones appoint-
ment. Mentions proposal for
'street boxes (automatic) trans-
formers', for sections of the City.

FISHER, Sir John. 1st Baron Fisher of Kilverstone. 1841 - 1920.

102. No address; crested
paper, Admiralty,
Whitehall; endorsed
12 Nov 1908. Dated by
Fisher, 12. 11. In pencil. Postpones appoint-
ment.

538. February 14, 1910.
Kilverstone Hall,
Thetford. Thanks for copy of 'Life of
Kelvin'.

FITZGERALD, George Francis. 1851 - 1901.

105. December 12, 1881.
Trinity College,
Dublin. Thanks for book [Electricity and
Magnetism]; criticism of two
points; too large for his needs as
elementary textbook, and no ex-
planation is given why porous cell
is required in Daniel's battery.
Likes general chapters at begin-
ning of book. Dwells on dreadful
state of Ireland; difficulty of col-
lecting rents, etc.

106. January 5, 1897.
Co. Westmeath. Unsuccessfully trying to see
Trotter effect: discusses possible
mistake in rate of revolution; gives
details of experiments trying dif-
ferent rates of revolution, etc.

FLEMWELL, George Jackson. 1865 - 1928.

103. August 1, 1914.
Arveyes. Writes at some length about the impending horrors of war and the guilt of European rulers. Describes his recent painting of alpine flowers and scenery.

FORBES, George, F.R.S. 1849 - 1936.

104. February 15, 1895.
Athenaeum. Regrets that he cannot let SPT see plans of Niagara Dynamo owing to various circumstances, but they will shortly be published.

FOSTER, George Carey. 1835 - 1919.

107. February 19, 1882.
Sabden, Lancs. Is glad to propose SPT as Telegraph Engineer. Thanks him for book on Electricity which he praises.
108. June 10, 1887.
18, Daleham Gardens,
Hampstead. Thanks for new edition of 'Electricity'.

FOSTER, Sir Michael. 1836 - 1907.

109. October 21,
Shelford,
Cambs. Discusses the possible muscular character of cells in the spiral ligament of the ear.

FRANKLAND, Sir Edward. 1825 - 1899.

110. December 19, 1879.
Royal College of
Chemistry,
Kensington. A testimonial expressing the Professor's opinion of SPT's fitness for a professorial chair of Physics, based on his own personal observation.
111. December 15, 1881.
Science and Art
Dept. paper. Thanks for book on 'Electricity and Magnetism'. Describes storage batteries which he has been using, 'this will doubtless give quite a fresh impulse to the storage of force'.
112. March 2, 1884.
Normal School of
Science, Kensington. Has not parted with patent rights but is granting licenses. His batteries are now constructed without metallic plates

FRAZER, Sir James George. 1854 - 1941.

113. December 12, 1914. Postcard; thanks for leaf of the
1, Brick Court, Yardley oak. Welcomes any connec-
Middle Temple, tion with Cowper, 'whom I love and
London. venerate as a man and a writer'.

FREEMAN, Ernest Carrick. 1860 - 1932.

604. November 6 [1911], Asks for copy of photograph of the
Tymperleys, Gilbert portrait; lives in house
Colchester. where Gilbert was born.
605. November 8 [1911]. Thanks for portrait, sends photo-
The same. graph of the house.

FRY, Sir Edward. 1827 - 1918.

114. March 29, 1907. Postcard. Has signed a nomination
Failand House, paper [subject unnamed].
Bristol.
- 114a. January 6, 1908. Has some interesting letters from
The same. Kelvin which SPT might like to
use for his forthcoming biography.
115. November 15, 1909. Thanks for copy of extract from
The same. letter which SPT intends to pub-
lish. Reference to Kelvin's
failure to understand the mechan-
ism of Bell's telephone when he
showed it at Glasgow.
116. November 16, 1909. From SPT to Sir Edward. Draft.
Morland, Chislett Gives his own impression of
Road. Kelvin's failure to comprehend
action of receiver and apparent
inconsistency of his attitude; asks
Sir Edward if he has treated Kelvin
unfairly in his account of the matter,
which he has tried to make as un-
prejudiced as possible. Diagram of
'Glasgow receiver'.
510. February 8, 1910. Dictated. Thanks for copy of the 'Life
Bristol. of Kelvin'.

See also, CRUM, Jessie. 503.

FULLER, Frederick. 1819 - 1909. See THOMSON, William.
Lord Kelvin. 348 - 355.

GEDDES, Sir Patrick. 1854 - 1932.

117. December 21, 1907. Thanks for 'Faraday'; reciprocates
More House, Cheyne Christmas greetings; would like to
Walk. understand what 'you strange magi-
cians of physics have been up to'
and to interest SPT in his developing
conception of a civic academic life.

GEIKIE, Sir Archibald. 1835 - 1924.

119. November 26, 1907. Accepts invitation to meet members
Shepherds Down, of the South Eastern Union of Scien-
Haslemere, Surrey. tific Societies.
120. September 28, 1915. Unable to attend meeting of the
The same. Committee on the Catalogue of
Scientific papers. Expresses regret
at resignation of Dr. McLeod but
sees its necessity. Comments on
SPT's Report.

GÉRARD, André Eric. 1856 - 1916.

552. June 2, 1911. In French. Postcard; acknowledges
35, Rue St. Gilles, the gift of the 'Life of Kelvin'.
Liege.
121. May 18, 1915. In French. Expresses appreciation
1-2. Nieuwe of Litteraire of English sympathy for the misfor-
Societet, tune of his fellow countrymen.
The Hague. Thanks SPT for helping him to be
elected honorary member of I. E. E.
Feels he will be more useful staying
in Holland than returning to Belgium
where the university will be mori-
bund during the Occupation. Is able
to write to colleagues still in Belgium
or in exile.

GILBERT CLUB.

475. October 19, 1916. From the Secretary, Conrad W.
Hampstead. Cooke, to Mrs. Thompson. Letter
of condolence.

See also THOMPSON, Silvanus Phillips. 608.

GILL, Sir David. 1843 - 1914.

122. November 16, 1907. Unable to dine with 'Sette of Odde
Braeknowe, Dundee. Volumes'.
123. March 10, 1908. Able to dine with Sette owing to
34, De Vere Gardens. unforeseen cancellation of previous
engagement.
124. July 1, 1912. Comments on suitability of Schuster
The same. as Secretary of the Royal Society.
Has broader, more practical quali-
ties than other candidates. Will
try to influence other members of
Council on his behalf.

GLADSTONE, Florence M.

501. February 8, 1910. Thanks for copy of the 'Life of
19, Chepstow Villas, illness of Ramsay
Bayswater. Macdonald's mother.

GLADSTONE, John Hall. 1827 - 1902.

126. December 7, 1878. Comments on SPT's plan for an
17, Pembridge elementary scientific manual.
Square. States that School Board has passed
his 'Scheme of Object lessons'.
127. December 16, 1879. Testimonial for post of Chair of
The same. Physics at Josiah Mason College;
comments on SPT's particular
qualities, original work, clarity
of exposition, interest in technical
education.
128. January 24, 1885. SPT may use him for referee for
The same. Finsbury post and he will try to
speak to Perkin; is working on
refraction and dispersion of the
essential oils.
129. March 3, 1885. Congratulations on obtaining Fins-
The same. bury post.
130. June 9, Thanks for photographs of SPT
Sidmouth House, and Mrs. Thompson.
Reading.

GRASSI, Francesco.

464. June 22, 1916. In Italian. To Mrs. Thompson;
Via Bassi, 2 letter of condolence on death of
Milan. SPT.

GRASSI, Guido.

553. October 5, 1911. Typewritten in Italian. Thanks
Via Cernaia 40, for copy of the 'Life of Lord
Turin. Kelvin'.

GRAWINKEL, Auguste.

125. July 6, 1894. In German. Printed announcement
Berlin. of the death of her husband, Carl
Grawinkel, who translated a
number of SPT's books.

GRAY, Albert A.

517. February 8, 1910. Thanks for copy of the 'Life of
14, Newton Terrace, Kelvin'.
Glasgow.

GRAY, Andrew. 1847 - 1925.

512. February 8, 1910. Thanks for copy of the 'Life of
The University, Kelvin'.
Glasgow.

GREENSTREET, William John. 1861 - 1930.

554. June 21, 1910. Typewritten. His enthusiasm
1-2. The School House, for the 'Life of Kelvin';
Marling School, reasons for wishing to meet SPT.
Stroud, Glos. Would like to consult him while
preparing a series of memoirs
on famous mathematicians, etc.

GREGORY, John Walter. 1864 - 1932.

536. March 24, 1910. Apologies for delay in acknow-
4, Park Quadrant, ledging receipt of the 'Life of
Glasgow. Kelvin'; comments on the
opinions and statements of
university students on Kelvin as a
teacher.

GRUN, E

131. September 11, 1902 [3 ?]
Southwick, Brighton. An enquiry about various points in SPT's translation of Lummer's 'Optics.'. Questions formulae of von Seidel; Gauss' theory of entrance and exit pupil, etc.
132. Note date, but must be the answer in reply to 131.
Same address. Thanks for explanations. Describes a method he follows when short of suitable stops on his camera; encloses an example of his work.

GUTHRIE, Frederick. 1833 - 1886.

133. December 19, 1879.
1-2. Science and Art Department,
South Kensington. Testimonial for post at Josiah Mason's College. Praises SPT's original work, experimental illustrations, general culture, etc.

HALDANE, Richard Burdon. 1st Viscount Haldane of Cloan. 1856 - 1928.

134. January 18, 1904.
3, Whitehall Court,
S.W. Thanks for a report; would like to visit the F.T.C., but is only able to give twelve hours' notice of a projected visit.

HARRIS, David Fraser. Born 1867.

555. June 2, 1915.
Dalhousie University,
Halifax, Nova Scotia. Appreciation of the 'Life of Kelvin'; was formerly assistant in Glasgow University; gives a student's impressions of Kelvin.

HEAVISIDE, Oliver. 1850 - 1925.

135. January 17, 1889.
3, St. Augustine Road,
N.W. Disagrees with SPT's conclusions about the structure of cores. Postpones the acceptance of an invitation until nearer the date of the function.
522. February 9, 1910.
Homefield, Torquay.
See footnote, 'Life of Kelvin', vol.2, p.1070. Congratulations on 'Life of Kelvin'; comments on the allusions to himself; appreciation of Kelvin; his arrangements for buying his house; his 'rumatiks'; advice on boot polishes.

HELE-SHAW, Henry Selby. 1854 - 1941.

480. [June 1916]. To Mrs. Thompson. Letter of
64, Victoria Street. condolence on the death of SPT.

HERBERT, Auberon Edward William Molyneux. 1838 - 1906.

136. February 24 Thanks for letter. Hopes for a
Old House, meeting later to discuss educa-
Ringwood. tional matters.

HERING, Carl. 1860 - 1926.

138. October 30, 1891. Thanks for copy of 'Electromagnet'.
31816, Spring Garden Explanations for having missed
St., Philadelphia, U.S. seeing SPT in Frankfurt.

HERKOMER, Sir Hubert von. 1849 - 1914.

137. 1901. Enquires 'how to make a gutta
Lululaund, percha mounted strip comfortably
Bushey, Herts. from a piece of pewter' and des-
cribes his present unsatisfactory
method.

HODGKIN, Thomas. 1831 - 1913.

146. March 31, 1906. Supports the nomination of his
Hotel Belvedere, old friend Sir Joseph Lister 'who
Rome. ought to be carried into the Senate
by acclamation.' Relates anecdote
illustrating the international charac-
ter of Lister's reputation.

147. December 27, 1905. Thanks for Christmas present of
Barmoor Castle, treatise on magnetism. Interested
Northumberland. in its place of writing at siege of
Lucerne in 1269. Quotes Muratori.
Will send some writings of his own
on Greek archaeology.

148. January 1, 1906. Will vote for production of SPT's
The same. paper on Peregrinus at British
Academy, which he thinks very
suitable.

149. January 10, 1906. Describes reprint of Peregrinus 'Rara
Magnetica' by Prof. Hellmaun in
possession of his cousin W.D. Howard.

150. January 20, 1906. Thanks for monograph on Gilbert.
The same.

151. November 22, 1906. Regrets that he will not be able
The same. to hear Thompson read his paper
at the British Academy.

HOPKINSON, Edward. 1859 - 1922.

152. July 6, 1895. Will be glad to prepare particulars
Oakleigh, Timperley, of their latest forms of motors for
Cheshire. locomotives and alternators for
Thompson's new edition.

HUGGINS, Margaret Lindsay. Lady Huggins.

161. May 17, 1898. Thanks for Christmas gifts and
1-2. 90, Upper Tulse Hill. letter. Deeply grateful for
Browning, particularly 'Pauline',
and also for copy of SPT's lecture.

162. January 11, 1904. Comments on Peter Peregrinus for
1-2. The same. which she thanks SPT; thanks him
also for a previous gift of 'Monodies',
remarks on its ideals, on the 'rush'
in present day life, etc.

163. May 24, 1912. Long letter, mainly expressing
1-5. The same. appreciation of SPT's sympathy with
her widowhood, and her own feeling
of great loss; offers some apparatus
for the Optical Convention, made by
Fraunhofer, belonging to the R. S.
Asks SPT to write an impression of
her husband, Sir William Huggins.

164. May 27, 1912. Thanks for letter and glad that he
The same. will show Fraunhofer apparatus.
Pleased that he will write his
impressions of her husband.

HUGGINS, Sir William. 1824 - 1910.

153. December 22, 1879. Letter with attached testimonial for
1-2. Upper Tulse Hill. the post of Professor of Physics at
Mason's College. Praises SPT's
clarity as a lecturer, and his research.

154. June 8, 1881.
The same. 'By all means use the testimonial. If you wish any alteration in form I shall be glad to make it....'
155. February 21, 1905.
The same. Thanks for suggesting changes in leaking electroscope from Harvey and Peak, and encloses a note from them. Questions the improvement they claim from new insulating material.
156. February 25, 1905.
The same. Further letter about electroscope and details of its deficiencies. Diagram enclosed.
157. March 16, 1906.
The same. Addressed to 'my dear Piper'. Thanks for book. 'I am wholly under your magnetism'. Asks how he finds time - is one hour of his time equal to the working day of other people ?
158. April 11, 1907.
The same. Glad that SPT was elected to Athenaeum; as P.R.S. put his name forward to Lord Rayleigh.
159. April 22, 1907.
The same. Thanks for British Academy paper. Lost in admiration of scope of SPT's powers.
160. December 19, 1907.
The same. Returns gems in which radiation has not caused as much change as expected. Refers to Kelvin's death and his last visit.

HUGHES, David Edward. 1831 - 1900.

165. January 15, 1884.
108, Great Portland Street.
See 'Life', p. 101. Thanks for formula for graduations of magnetic balance; difficulties involved in making distance a constant; hoping to demonstrate the existence of molecules.
166. January 21, 1884.
The same. Further discussion of the use of the magnetic balance; completing researches on Magnetism, to be written up for the R.S.; comment on sketch of Helmholtz; 'when I get hold of my molecule by the tail, I will send him to you for a sketch'; suggests sending formulae to the 'Electrician'.

167. January 24, 1884.
The same. Will sponsor SPT's note on the theory of the magnetic balance for the Proc. R. S. ; comments on its use; leaves this field of research to SPT; etc.
168. January 31, 1884.
The same. Gives measurements of balance, made by Jones; no difficulties in adapting balance to help SPT's calculations.
169. February 7, 1884.
The same. Has taken SPT's paper to the Secretary of the R. S.
170. February 7, 1894.
40, Langham Street. Invitation to 'Our Club'; its foundation by Dickens, etc; Wimshurst's election to the R. S. ; etc.
171. [November, 1912.]
41, Dana Street,
Cambridge, Mass. From Mrs. Hughes. Regrets that Professor Hughes papers, about which SPT had enquired, are in London.

See also LARMOR, Sir Joseph. 189.

HUTCHINSON, John.

544. March 29, 1910.
1-2. 199, Renfrew Street,
Glasgow. Appreciation of Kelvin 'Life'; anecdote about the 'Glasgow pamphlet'; explanation of the difficulties of Thomson's assistant MacFarlane, with mathematics classes, then compulsory for all Arts students, qualified to attend or otherwise.

HUXLEY, Thomas Henry. 1825 - 1896.

172. December 21, 1879.
4, Marlborough Place. Cannot give SPT a testimonial as he does not go outside his own field.

INWARDS, Richard. 1840 - 1937.

173. October 23, 1915.
6, Croftdown Road,
London, N. W. Has all Perigal's published pamphlets and could probably identify an unnamed instrument if he saw it; will send specimen of magnetite if it would be of interest; refers to his experience of the occurrence of natural magnetic samples.

JACK, William. 1834 - 1924.

532. February 25, 1910. To Macmillan and Co.
5, St. John's Terrace, Thanks for copy of the 'Life of
Hillhead, Glasgow. Kelvin'.

JAMES, Henry. 1st Baron James of Hereford. 1828 - 1917.

573. October 27, 1884. Joint opinion, with Sir William
Inner Temple. Bousfield, on SPT's 'Valve'
telephone which they did not
hold to be an infringement of the
Bell and Edison patents.

JEBB, Caroline. Lady Jebb, wife of Sir Richard Jebb. 1840 - 1930.

621. Springfield, To Lady Thomson. Admiration
Newnham, of Mr. Balfour's speech at the
Cambridge. presentation of his portrait to
Sir William: her busy social life
in Cambridge: Mrs. Creighton's
dislike of Peterborough, and the
contrast between being the wife
of a professor and a bishop 'a
wholesome recollection of Mrs.
Proudie pervades their profession.'

KAPP, Gisbert. 1852 - 1922.

576. May 28, 1892. Typewritten, including signature.
Wimbledon. Arrangements for marking exam-
ination papers.

577. September 23, 1895. Thanks for book on multiphase
3, Lindenallee, motors. Thinks it will not be
Berlin. possible to publish Dobrwalsky's
work. Describes opposition of
physical laboratories to electrical
railways because of disturbance;
gives advice on giving a lecture to
German technical societies.

KELVIN , Lord. See THOMSON, Sir William, 1st Lord Kelvin.

KELVIN, Frances. Lady.

485. December 27, 1909. Thanks for letter.
Netherhall.

486. February 8, 1910. Thanks for book ['Life of Kelvin' ?].
The same.
487. February 18, 1910. Admiration of biography; dislike of
The same. photograph by Agnes King; Kelvin's
episcopalian views and Sir Edward
Fry's mistaken views on subject.
488. January 1, 1911. Thanks for greetings.
The same.
489. May 4, 1912. Asks SPT to speak for her at un-
London. veiling of bust of Lord Kelvin at
I. E. E.
490. May 13. (No year but Arrangement for SPT to call.
this and following
letters seem to be in
sequence).
491. May 15. Asks SPT to see that her relations
are found seats at ceremony.
492. June 6. Dr. Bottomley will call at the
Institution to see two places
suggested [for bust of Lord Kelvin
to be placed ?].

KEMP, C. I. P.

578. January 29, [1904]. Typewritten. Sends model which
1-4. Mersey Railway, illustrates rotary magnetic fields
Resident Engineer's in three phase motors; asks for
Office. opinion about it; information about
tank for testing H. T. 3 phase
alternators of large (K. W.)
capacity, and use of induction
motors as generators, at Stuart
Street Station.
579. February 6, 1904. Typewritten. Discussion of his
1-3. The same. model and its possible use and
publication, in form suitable for
students and practising engineers.

KEMPE, Sir Alfred Bray. 1849 - 1922.

466. June 15, 1916. To Mrs. Thompson. Letter of
22, Pembridge sympathy on the death of SPT.
Square, W.

KENNEDY, Sir Alexander Blackie William. 1847 - 1928.

174. January 5, 1907. Describes the difficulties of
Caledonian United keeping staff going owing to
Service Club, shortage of work and the limited
Edinburgh. number of vacancies available.

KENNELLY, Arthur Edwin. 1861 - 1939.

467. July 22, 1916. To Mrs. Thompson. Letter of
Islesford, sympathy on the death of SPT;
Maine. admiration of his work in many
fields.

KENYON, Sir Frederick George. 1863 - 1952.

580. June 22, 1912. Postcard. Thanks for note.
British Museum.

KING, Agnes Gardner.

499. February 8, 1910. Thanks for copy of 'Life of
Hartwell, Wroxham, Lord Kelvin'; illness of her
Norfolk. sister.

KING, George.

500. March 9, 1910. Congratulations on 'Life of
1, Cardigan Gate, Lord Kelvin'.
Richmond Hill,
Surrey.

KIRNER, Joseph.

581. September 15, 1909. In German. Discusses a mathe-
1-2. Tiergartenweg 1, matical problem of fields of
Stuttgart. alternating currents in electrical
engineering with examples from
Ernst's 'Die Hebezeuge', vol. 2,
diagrams.

KNAPP, Wilhelm.

175. January 27, 1897. In German. Answer to an enquiry
Mühlweg 19, about three volume work by
Halle. Nernst and Borcker, which will
not be ready until the end of the
year; gives SPT first option for
its translation. Pleased he is pre-

paring a new edition of Polyphase electric currents: will settle their accounts after the book fair in May.

177. February 2, 1897.
The same. In German. Professor Lummer is prepared to consider translating 'Light visible and invisible'; would like to know size of book, so asks him to send proofs as soon as possible.
178. February 11, 1897.
The same. In German. Is still negotiating with Lummer about the translation: if he refuses will approach a translator recommended by Nernst: asks for proofs.

KOENIG, Karl Rudolph. 1832 - 1901.

179. January 29, 1889.
27, Quai d'Anjou,
Paris. In French. He finds he owes SPT 5 francs but hopes he can settle this small account at a later meeting.
180. March 13, 1889.
The same. In French. Thanks for sending details of 'sifflets' of Lord Rayleigh; which he will try out as soon as possible.
181. December 4, 1898.
Paris. In French. Thanks for 'Life of Faraday'. Describes decline of health since their last meeting; still carries out experiments, has not published any results, however, etc.

KÖNIGSBERGER, Leo.

530. February 11, 1910.
Heidelberg. In German. Thanks for copy of the 'Life of Kelvin'.

LANE, John. 1854 - 1925.

469. June 15, 1916.
8, Lancaster Gate
Terrace, W. To Mrs. Thompson. Letter of condolence.

LANKESTER, Sir Edwin Ray. 1847 - 1929.

182. June 14.
29, Thurloe Place. Numerous enquiries about lightning, and personal safety in varying circumstances.

183. November 14. Enquiries about length of sound
 1-2. The same. waves and time rate of light waves;
 method of determination of wave
 length of light and determination of
 limit of microscopic vision.

LARMOR, Sir Joseph. 1857 - 1942.

184. June 14, 1902. Unable to accept invitation.
 Athenaeum.
185. December 19, 1906. Insertion of further letters in his
 St. John's College, edition of Stokes.
 Cambridge.
186. June 14, 1907. Expresses the regret of the Council
 Royal Society. at SPT's absence from a meeting.
187. April 25, 1908. Unable to accept invitation.
 St. John's College,
 Cambridge.
188. January 24, 1908. Asks SPT to make a further report
 Royal Society. on a paper for the Physics Commit-
 tee of the Society.
189. April 5, 1910. Letter dealing with technical
 St. John's College, points in SPT's R.S. paper 'Physio-
 Cambridge. logical effects of an alternating
 magnetic field'.
190. November 15, 1910. Discusses how sound effect is
 The same. obtained when horn is blown,
 sound waves etc.
191. July 16, 1913. Denies responsibility for loss of
 The same. some paper [?].
524. February 12, 1912. Thanks and congratulations for
 The same. 'Life of Kelvin'.
470. June 14, 1916. To Mrs. Thompson. Letter of
 The same. condolence.

LARSEN, Absalom.

192. July 18, 1912. Probably in answer to an enquiry;
 1-3. Copenhagen. discusses, and quotes extensively
 (in German) from H. C. Oersted's
 'Ansicht der chemischen Natur-
 gesetze', 1812, with reference to
 his theory of light.

LEE, Sir Sidney. 1859 - 1926.

193. October 7, 1912. Will shortly be sending proof of
Dictionary of National article on Lord Kelvin. Details
Biography, of article.
15, Waterloo Place.
550. March 9, 1910. Postcard about SPT's article
The same. on Kelvin for the D.N.B.
471. June 15, 1916. Postcard to Mrs. Thompson.
108a, Lexham Condolences on death of SPT.
Gardens, W.

LENARD, Philipp. 1862 - 1947.

194. January 8, 1908. In German. New year greetings
Heidelberg. and good wishes. Invitation to
visit Heidelberg.
195. In German. Unable to accept
Heidelberg. invitation to Optical Convention.

LINDT, W.

582. January 8, 1908. In German. Asks for permission
Dreysestrasse 3, to translate 'Light, visible and
Berlin. invisible'.

LIPPMANN, Gabriel. 1845 - 1921.

196. July 7, 1912. In French. Letter from Mrs.
10, Rue de l'Eperon. Thompson to Mme. Lippmann
Paris. has been lost in post; regrets he
cannot accept invitation when he
visits London.

LISTER, Joseph. 1st Baron Lister of Lyme Regis. 1827 - 1912.

197. June 8, 1897. Thanks for congratulations [on
12, Park Crescent, peerage].
Portland Place.
198. December 17, 1903. Thanks for note on Dr. Gilbert.
Palace Villas,
Devonshire Road,
Buxton.

LIVEING, George Downing. 1827 - 1924.

221. July 14, 1909. Describes Kelvin's style as a lecturer; his tendency to digress from the subject in hand, etc, Lancrigg, Grasmere. Quoted, 'Life of Kelvin', Vol. 1, p. 442.

See also HUTCHINSON, John, 544, for a comment on this.

LOCKYER, Sir Joseph Norman. 1836 - 1920.

199. September 15, 1904. Will be pleased to join SPT 'if Sidmouth. Mayor invites me' [to Colchester Oyster feast ?].

LODGE, Sir Oliver Joseph. 1851 - 1940.

200. June 29, 1897. Thanks for article in the 'Saturday'; 2, Grove Park, is glad to see SPT with his other Liverpool. friends agreeing with his views. Encloses unpublished paper.
201. July 1, 1897. Note about experiment with mirror. The same.
202. January 2, 1901. New year greetings, note about Mariemount, article of SPT's in Phil. Mag. Birmingham.
203. February 22, 1903. Describes his method of electri- The same. fying the air.
204. September 26, 1904. Dictated. Acknowledges letter. Birmingham University.
205. November 17, 1904. Dictated. Remarks on Kapp's visit The same. and health. Describes experiment he has been making, and asks Thompson to advise whether it is more suitable for the Royal Society or the Inst. Elec. Eng. - a 'method of maintaining a continuous current of very high potential. . at something the order of a million volts'.
206. November 21, 1904. Will take up SPT's suggestion to The same. name current; will send note to R.S. which he is sending first for SPT to see.

207. May 3, 1905. Dictated. Enquiry about experimental alternator.
208. November 15, 1919. To Mrs. Thompson. Thanks for proof. Had completely forgotten having written letter.
Edgbaston.
514. February 9, 1910. Thanks, congratulations on the
The same. 'Life of Kelvin.'
472. June 14, 1916. To Mrs. Thompson. Letter of
The same. condolence.

LONDON. Institution of Electrical Engineers.

463. June 22, 1916. Typewritten. From the Secretary,
Victoria Embankment. P. F. Rowell, to Mrs. Thompson.
Sends copy of telegram of sympathy
from Associazione Elettrotecnica
Italiana.

LONDON. Hampstead Scientific Society.

465. June 14, 1916. From the Secretary, C. Bartrum,
32, Willoughby Road, to Mrs. Thompson. Letter of
Hampstead. sympathy on the death of SPT.

LORENTZ, Hendrik Antoon. 1853 - 1928.

209. October 15, 1913. Postcard. Thanks for translation
Haarlem. of Huygens' Treatise on Light.

LOVE, Augustus Edward. 1863 - 1940.

508. February 8, 1910. Thanks for copy of the 'Life of
34, St. Margaret's Kelvin.'
Road, Oxford.

LUBBOCK, Sir John. 1st Baron Avebury. 1834 - 1913.

210. February 6, 1895. Thanks for 'Elementary lessons
2, St. James' Square. in electricity.'
211. p. m. January 19, 1906. Postcard. Note about a nomination
High Elms, Farnborough. [?] form.

LUMMER, Otto. 1860 - 1925.

212. December 27, 1893. In German. New Year greetings.
Leibnitzstrasse 72,
Charlottenburg.
213. December 26, 1897. New Year greetings. Delay of
Charlottenburg. the printing of his translation
of SPT's book.
214. December 28, 1898. In German. Thanks for Christmas
The same. greetings, and the dedication in
SPT's latest book; hopes he will
soon receive copy of the transla-
tion of 'Light visible and invisible'.
215. November 1, 1911. Gratitude for SPT's edition of his,
The same. Lummer's, articles; regrets that
they have not been able to meet in
Paris, etc. In German.
216. January 1, 1902. In German. Thanks for Christmas
Friedrich-Karlplatz 14, greetings; best wishes for future.
Charlottenburg.

MCDOWELL, J. H. M.

473. June 17, 1916. To Mrs. Thompson. Letter of
1-2. 9, Linden Road sympathy on the death of SPT;
Garden City, recollections of him.
Newport, Mon.

MACH, Ernst. 1838 - 1916.

217. March 1, 1879. In German. Observations on
Prague. binaural audition, with a list of
references to articles in period-
icals, and comments on the
validity of the opinions expressed.
218. March 22, 1880. In German. Sends copy of an
Obstmarkt 7, article on Binaural audition and
Prague. would be grateful if SPT would
send any of his articles on the
subject in return.

MADAN, Falconer. 1851 - 1935.

219. June 7, 1914. Thanks for the catalogue of SPT's
94, Banbury Road, library which he will put in the
Oxford. Bodleian.

MARCONI, Guglielmo. 1874 - 1937,

445. January 28, 1916. Rome. Typewritten to W. Duddell. Letter of introduction for Professor Guglielmo Mengarini, designer of the electric power transmission scheme from Tivoli to Rome in 1892.

MARGOLIOUTH, David Samuel. 1858 - 1940.

220. September 28, 1914. Oxford. Typewritten. No light to be thrown on word 'calamita', from Islamic languages.

MARTIN, Thomas Commerford. 1856 - 1924.

583. May 17, 1906. Electrical World, 114, Liberty Street, New York. Typewritten. Discussion of the possible theft of the copyright of one of SPT's books.
559. May 12, 1910. National Electric Light Association, 29, West 39th Street, New York. Typewritten. Sends a copy of his review for the 'New York Tribune', of the 'Life of Kelvin'.

MASCART, Eleuthère Elie Nicholas. 1837 - 1908.

584. October 28, 1900. Bureau Central Météorologique, 176, Rue de l'Université. In French. Admiration of SPT's versatility; thanks for gift of 'Photographic optics' which will be valuable to scientific students of photography.

MATTHEY, George. 1825 - 1913.

222. July 25, 1899. Hatton Gardens. Hopes SPT will accept one of his firm's screens [?].

MELDOLA, Raphael. 1849 - 1915.

223. October 17, 1913. 6, Brunswick Square, London. Deplores the lack of an organic chemist on the council[of the R.S.]; states views on modern 'mathematical physicist'; lists the representatives at a Chemistry Congress [held that day at the Institute of Chemistry].

513. February 8, 1910. Thanks for copy of the 'Life
The same. of Kelvin.'
- MENDENHALL, Thomas Corwin. 1841 - 1924.
224. November 7, 1893. Thanks for an 'Odde Volume';
U.S. Coast and Geodetic would like another photograph
Survey, Washington. of SPT.
- MENGARINI, Guglielmo. 1856 - 1927.
474. August 20, 1916. Typewritten. To Mrs. Thompson.
Rome. Letter of condolence.
- See also MARCONI, Guglielmo. 445.
- MERZ, John Theodore. 1840 - 1922.
225. February 1, 1909. Thanks for copies of SPT's works;
The Quarries, Newcastle. enjoyment of his visit.
523. February 10, 1910. Dictated. Thanks for copy of the
The same. Kelvin 'Life'.
- METCALF, Henry B.
226. September 8, 1883. Thanks for 'Life of Philipp Reis';
Pawtucket, R.I. will try to promote its sale in the U. S.
- MEYNELL, Wilfrid. 1852 - 1948.
227. n. d. 2a, Granville Place, Has not found a missing book; hopes
Portman Square. to meet the Thompsons in Rome,
where Mrs. Meynell has just arrived.
- MILLAR, W. J.
560. May 13, 1910. Details of his student days under
Rothesay. Rankine and James Thomson;
anecdotes of Lord Kelvin.
- MILLER, Dayton Clarence. 1866 - 1941.
477. Case School of Applied To Mrs. Thompson. Letter of
Science, Cleveland, Ohio. sympathy on the death of SPT.

MINCHIN, George M. d. 1914.

533. February 19, 1910. Lists some misprints in the 'Life of Kelvin'; suggests that Carnot's views could be explained more fully.
149, Banbury Road,
Oxford.

MOND, Ludwig. 1839 - 1900.

228. December 4, 1906. Typewritten. Reminder that SPT was to call upon him the next day.
20, Avenue Road,
Regent's Park.
229. December 7, 1906. Regrets that SPT has been called away from town; is anxious to see him as soon as possible.
The same.

MOSCHELES, Felix. 1833 - 1917.

476. June 28, [1916]. To Mrs. Thompson. Letter of condolence on death of SPT.
The Grelix,
80, Elm Park Road. Written by Margaret Moscheles.

MOULTON, John Fletcher. 1st Baron Moulton. 1844 - 1921.

230. January 11, 1890. Thanks for loan of Wimshurst machine; has no longer much leisure time for experiments.
57, Onslow Square.

MURRAY, Sir James Augustus Henry. 1837 - 1915.

233. January 8, 1904. Reply written on verso of an enquiry by SPT dated January 7, asking whether there is word for mineral 'vincentina'. Reply in negative. Both printed in 'Life', pp. 242-3.
Oxford.
235. June 1, 1905. Asks for explanation of word 'phonophore'.
Oxford.
234. [1906] Thanks for copy of 'Peregrinus';
Oxford. praise of British Academy paper.
236. May 6, 1906. Asks for definition of 'phasing'.
Oxford.
237. December 12, 1906. Asks for proofs. Asks for explanation of 'polyphase'; source, first use, etc.
Oxford.

238. December 17, 1907.
Oxford. Sends some information about an unspecified word; difficulties of tracing use, etc.
239. March 16, 1908. Thanks for papers on 'temperature'; asks about origin of the name 'primium nobile'.
240. March 4, 1909.
Oxford. Asks for explanation of 'puppet valve' and early instance of use.
241. June 3, 1910.
Oxford. Asks for explanation of word 'teaser'.
242. November 25, 1911.
Oxford. Discusses use and source of word 'telegrapher'.
243. January 29, 1913.
Oxford. Asks for definition and use of word 'torsion'.

NEWCOMB, Simon. 1835 - 1909.

244. April 8, 1907.
Washington, D.C.
U.S.A. Typewritten. Thanks for election as Hon. Fellow of Physical Society of London (written to SPT as Secretary of the Society).

NEWMAN, Sir George. 1870 - 1948.

526. February 12, 1910.
Hatch End,
Middlesex. Congratulations on 'Life of Kelvin'.
478. June 13, 1916.
Grims Wood,
Harrow Weald. To Mrs. Thompson. Letter of condolence on death of SPT.

NIPHER, Francis Eugene. 1847 - 1927.

245. November 11, 1895.
St. Louis,
Missouri. Thanks for book; sends book of his own which he hopes SPT will review, and copy of his photograph; would like SPT's in return.
246. July 14, 1908.
1-2. Washington University,
St. Louis. Sends account of recent research with Holtz machine with page of diagrams.

OSTLER, William E.

586. April 19, 1902. An enquiry about the possibilities
8, Oxford Terrace, of a 'Frequency transformer'
Islington. which as yet he has only visualised.

PARSONS, Sir Charles Algernon. 1854 - 1931.

247. November 8, 1906. Thanks SPT for his letter about
Holeyn Hall, Campbell Swinton, will do what he
Wylam on Tyne. can to further his chances.
248. February 11, 1907. Thanks for loan of lecture on
The same. 'Manufacture of light'.

PEDLER, Sir Alexander. 1849 - 1918.

249. February 4, 1908. Enquires where a portrait of
British Science Guild, Gilbert might be found, as Sir
Queen's Gate. Norman Lockyer has suggested
that one might be shown at the F.B.
Exhibition.

PERCIVAL, John. 1834 - 1918.

587. January 27, 1916. Glad that SPT has approved his
The Palace, views on 'war fever' [as expressed
Hereford. in a letter to the 'Times' on
January 21, "The clergy and war
fever" - a cutting of it is enclosed
in this letter].

PERCY, Henry George. 7th Duke of Northumberland. 1846 - 1918.

250. January 3, 1913. Typewritten. Refers to case of
Alnwick Castle. electricity, used as remedy for loss
of speech, in 1752; which Crookes
has said may interest SPT. Would
like to know how the electricity
could have been applied.

PERRY, John. 1850 - 1920.

543. March 23, 1910. Congratulations on 'Life of Kelvin';
1-4. Imperial College. detailed comments on Kelland's
misapprehension of Fourier's
theorem: appreciation of SPT's
treatment of the history of thermo-
dynamics.

PETSIK, Leopold.

269. June 14, 1892.
Trieste. Is about to publish account of the English and American works on Reis and asks permission to reproduce certain figures from SPT's 'Life'.

PINTO,

479. June 16, 1916.
Hazelmere,
12, Ellington Road,
Ramsgate. To Mrs. Thompson. Letter of sympathy on the death of SPT.

PLANTÉ, Gaston. 1834 - 1889.

588. December [?] 8, 1881.
Paris. In French. Appreciation of 'Electricity and Magnetism'; suggests a French translation; and possible publishers, etc: sends a photograph of his battery to be used for the next edition of Electricity and Magnetism.

PLAYFAIR, Lyon. 1st Baron Playfair. 1818 - 1898.

251. December 15, 1895.
68, Onslow Gardens. Will be unable to attend meeting in College of Physicians.

POGGI, Cencio.

252. May 5, 1909.
Lugano. In Italian. Thanks for news about Marcoldi. Information about a manuscript of which several copies exist, he understands; recommends its sale for 75 fr.

POULTON, Sir Edward Bagnall. 1856 - 1943.

253. April 5, 1913.
St. Helen's,
I. O. W. Dictated. Has no further information about Scholar Gipsy; Arnold may be referring to Carlyle. Is going to ask Mrs. Humphry Ward about this.

PRAIN, Sir David. 1857 - 1944.

254. January 19, 1912. Thanks for letter offering Mr. Tatham's herbarium to the Gardens. See Life, p. 4. John Tatham was SPT's grandfather.
Kew.

PREECE, Sir William Henry. 1834 - 1913.

255. December 2, 1879. Asks for details of any striking experiments, suitable for R.S.A. lectures for children on Light and Sound.
General Post Office.
256. December 6, 1879. Praises SPT's 'idear'. Will carry out balloon plan. Asks for details of experiment with balls and their means of suspension. Possible arrangement illustrated in a diagram.
Gothic Lodge, Wimbledon.
Quoted 'Life', p. 41.
257. January 22, 1880. Sends pencil drawing showing how he made hat speak [for lectures mentioned in 255 ?].
1-2. General Post Office.
258. June 5, 1912. Says that Lady K. [Kelvin ?] need not write to Ferranti. Refers to his ill health.
Penrhos, Carnarvon.

RACKHAM, Arthur. 1867 - 1939.

259. November 19, 1905. Thanks for sending copy of the 'Pied Piper'; mentions intention of painting subject some day, 'which I am afraid will not be for a long time yet'; discusses problem of costume, etc.
3, Primrose Hill Studios, Fitzroy Road.
Note. Rackham illustrated the story in 1934.

RAMSAY, Sir William. 1852 - 1916.

260. December 13, 1895. Regrets not having answered enquiry about cerium; doubts its possibility of having magnetic properties; will try and make some. Has heard from A. J. Balfour that he hopes to put forward a Bill [on University of London ?] 'on lines we want'.
University College, London.

261. July 12, 1906.
The same. Hopes that his son, who is concentrating on chemistry, will be able to go to SPT's lectures. Discusses his abilities, and ways of arranging the affair.
262. December 9, 1907.
The same. Regrets that SPT has decided not to stand for Senate.
263. July 3, 1910.
19, Chester Terrace,
Regent's Park. As Chairman of the 'Energy' Committee of the British Science Guilds, asks SPT to write memorandum on the possibility of gaining energy 'making use of difference of atmospheric potential as an available and profitable source of energy'.

RAYLEIGH, 3rd Baron. See STRUTT, John William, 3rd Baron Rayleigh.

REIS, Carl. (Son of Philipp Reis).

264. December 30, 1883.
Frankfurt. Thanks for book on telephone. Lists reviews of it in German papers, refers to celebration of his father's birthday.
265. September 23, 1885.
Friedrichsdorf. Thanks for letters and shares in New Telephone Co. His father's monument will soon be finished and he hopes SPT will come to festival; hopes to visit England to improve English when he completes his military service.
266. September 28, 1885.
Friedrichsdorf. Has been present at unveiling of monument. Asks if SPT can help to get him a place in England.

RIGHI, Augusto. 1850 - 1920.

271. [1902 ?].
Istituto di Fisica,
Università di Bologna. In French. Discussion of his possible nomination as candidate for a Nobel prize; he himself proposed Lorentz; influence of the international representatives in Sweden.
272. [1902 ?].
The same.
See *Révue générale des Sciences*, 1901, p. 994. In French. To Oliver Lodge. States that Henri Poincaré was the supporter of the views of Cremieu.

273. Annotated, 'Received June 24, 1902'.
The same. In Italian. He is returning a portrait which he has had copied. Suggests that SPT publishes a letter which would help to disprove legends [he is probably referring to the dispute about the Marconi patents : see Life, p.81-4]. Invitation to the meeting of the Italian Physical Society at Brescia, in September.
274. [1902].
The same. Postcard. In French. Expresses pleasure that SPT will give paper in person at the Brescia congress. Would like to see the 'Saturday Review' letter [on Marconi].
275. [1902].
Vergato per Moulese. In French. Regrets that SPT cannot attend Brescia meeting; hopes that he will send his written paper. Asks if SPT can send him copies of the correspondence about Marconi.
276. [1907]. Postcard. In Italian. Thanks for election as a Foreign Member of the Royal Society.
277. [1913]. In French. Enquiry about the editor of the 'Philosophical Magazine' in which he would like to have an article published; is unable to accept Lodge's invitation to Birmingham [to attend B.A. Meeting ?].
278. [1914 - 16 c]. In Italian. Reaffirms his opinions about Anglo-Italian friendship which he had stated at a soirée of the Royal Society; the intolerable position of his country had led to the need to go to war.
279. June 6, 1916.
Istituto di Fisica. In French. Thanks for report of the British Science Guild; the importance of government support of science; life in Italy untroubled by the war; reliance on friendship with England; his son, now a soldier, wishes to be remembered to SPT.
280. [1916]. Mourning postcard. In Italian. Acknowledgement of letter of sympathy.

ROBERTS - AUSTEN, Sir William Chandler. 1843 - 1902.

281. December 16, 1896. Thanks for a specimen of brass, will try and take its 'cooling-curve' with his recording pyrometer.
The Royal Mint.

ROMANES, C.H.

282. November 15, 1882. Thanks for latest edition of 'Electricity and magnetism'.
Worthing.

ROSCOE, Sir Henry Enfield. 1833 - 1915.

516. February 19, 1910. Congratulations on 'Life of Kelvin'.
10, Bramham
Gardens, S.W.

ROSS, Sir Ronald. 1857 - 1932.

283. December 3, 1912. Will be coming to London and be available for Committees [of Royal Society?]. Agrees that Tropical Committee needs revivifying.
Berners Hotel,
London.

RÜCKER, Sir Arthur William. 1848 - 1915.

284. June 30, 1882. Thanks for copy of 'Electricity and Magnetism'. Recommends his assistant Starling, who was applying for post with SPT, as an examiner.
Claremont,
Leeds.

RUTHERFORD, Ernest. 1st Baron Rutherford of Nelson.

457. July 30, 1907. Unable to attend committee meeting of the Franco-British Exhibition; hopes SPT will be his representative; has list of suggestions for exhibits; considers 'Radioactive substances' should be included.
Manchester University.
285. January 6, 1914. Thanks for congratulations [on knighthood] 'while it is very pleasant to have one's work recognised, the form is rather embarrassing for a relatively youthful and impecunious professor like myself'.
17, Wilmslow Road,
Withington.

SACK, Hilmar.

270. January 11, 1884. In German. Asks if he may translate 'Life of Philipp Reis'.
Kaiserstrasse 13,
Wurzburg.

SAUNDERS, Thomas Bailey. 1860 - 1928.

287. March 12, 1907. Thanks for material sent to him;
Eastbourne. will keep Sotheby's catalogue if possible as he will refer to it in his preface to the 'Life and letters of P. M. [Melancthon]. Discusses the judgements of the compiler of this catalogue on Melancthon's M.S.
288. May 24, 1907. Thanks for SPT's letter from
Eastbourne. Paris describing London University visit there [see Life, pp. 181-2, for extracts from Thompson's letter]. Thinks that article should be written on the 'failure of the University of London'. Refers to newly founded Imperial College which it 'will rapidly eclipse in popular imagination and eventually become a separate University for Science'.
530. February 13, 1910. Thanks for copy of 'Life of Kelvin'.
The same.
547. p. m. February 14, 1910. Postcard, in German. Address given as 'Wittenberg, 1546' signed 'dein Ph. M'; states that he is no prophet and cannot be expected to be familiar with contemporary Oxford writings; greetings from Luther.
289. May 6, 1910. Postcard. In Latin. Thanks for
p. m. Eastbourne. reference to Melancthon.
290. June 11, 1910. Thanks for portraits of Melancthon
Fern Lodge, and SPT. Would like to know the
Milnthorpe Road, provenance of Melancthon prints.
Eastbourne.

SCHUSTER, Sir Arthur. 1851 - 1934.

481. June 26, 1916. To Mrs. Thompson. Letter of
Yeldall, condolence on the death of SPT.
Twyford, Berks.

SHAW, Sir William Napier. 1854 - 1945.

231. March 10, 1908. Invitation to meet Hellmann, the
10, Moreton Gardens, Director of Prussian Meteorological Institute.
S.W.
232. June 8, 1915. Thanks for congratulations [on
The same. knighthood].

SIDGWICK, Mrs. Eleanor Mildred. 1845 - 1936.

268. May 11, 1903. Typewritten. SPT's daughter
Newnham College, [Helen] is registered at the
Cambridge. College for the next session.

SIEMENS, Alexander. 1847 - 1928.

291. May 15, 1896. Thanks for tickets [for lecture
12, Queen Anne's Gate. by SPT ?].

SIEMENS, Sir William. 1823 - 1883.

292. July 26, 1883. Thanks for copy of Life of Phillip
12, Queen Anne's Gate. Reis.

SMIRNOFF, Alexander.

293. January 30/February 11, 1892. In German. States the need to
Fontanka 145, . translate the 'Electromagnet'
St. Petersburg. into Russian, and the importance
of spreading knowledge of this
important book.
294. March 24/April 5, In French. Dictated. Sends first
1892. proof of Russian translation of the
St. Petersburg. 'Electromagnet'.

SNELL, B.H.

295. August 29, 1888. Astonished at the amount of work
Putney. done by SPT. Admiration for 3rd
edition of Dynamo electric machinery.

Refers to article in B.A. report, 1864, on induction apparatus by a J.B. Thompson.

SNELL, Sir John Francis Cleverton. 1869 - 1938.

589. July 9, 1915.
8, Queen Anne's Gate. Thompson is entitled to his own views on the Volunteer Training Corps; statement of his opinion of militarism and the importance of defending the 'Fatherland'.

STOKES, Sir George Gabriel. 1819 - 1903.

296. February 29, 1896.
Lensfield Cottage,
Cambridge.
See 'Life', p. 185-6. Typewritten. SPT has made interesting discovery which he should publish soon. Believes that Röntgen rays are transversal vibrations of excessive frequency. Discusses calorescence.
297. March 2, 1896.
The same.
Partly quoted, 'Life'
p. 186. Typewritten. SPT has been anticipated by Becquerel; gives reference.
298. May 28, 1896.
The same.
Partly quoted, 'Life'
p. 191. Describes a recent experiment with uranine and also one carried out 4 years before.

STONEY, George Johnstone. 1826 - 1911.

299. December 10, 1907.
30, Chepstow Crescent,
London. Asks SPT to sign a certificate in application for Fellowship of the Royal Society for Gerald Stoney; matter is urgent.
300. December 13, 1907.
The same. Thanks for SPT's acceptance.
301. Undated.
The same. Expresses anxiety at not hearing from SPT. Had posted certificate 3 days ago.
302. December 17, 1907.
The same. Thanks for receipt of certificate.

303. June 18, 1910.
The same. Asks SPT's permission to write note of introduction for W.J. Greenstreet at H.D. Ellis' request. Expresses admiration for 'Life' of Lord Kelvin.

STRECKER, Karl George Christian Bernhard. 1858 - 1934.

590. May 11, 1902.
Berlin. Postcard. In German. Enquires if he may have further chapters of 'Polyphase electric currents' for translation.

304. December 14, 1905.
1-2. Berlin. In German. The first volume of 'Dynamo electric machinery' is not yet printed; account of his summer holiday travels in the Tyrol.

STROH, John Mattihias Augustus. 1828 - 1914.

305. May 22, 1890.
98, Haverstock Hill,
N.W. Glad to hear subject of SPT's Friday evening lecture at the Royal Institution; will lend him any apparatus he requires.

STRUTT, John William. 3rd Baron Rayleigh. 1842 - 1919.

306. January 20, 1878.
Terling Place,
Witham, Essex. Will give SPT a piece of photographic apparatus.

307. March 1, 1879.
4, Carlton Gardens, S.W. Grants permission to quote any of his writings on Binaural audition.

308. December 19, 1879.
Terling Place. States that SPT would make good use of further opportunities for scientific work in the post for which he is applying.

309. October 31, 1900.
The same. Thanks for copy of translation of Lummer's 'Optics'. In pencil.

310. February 3, 1902.
10, Downing Street. Having a piece of apparatus made described in 'Polyphase Electric Currents'; requires further information. In pencil.

311. October 30, 1908.
The same. Is sending Kelvin's letters to SPT.

- 356- Correspondence between J. D. Hamilton Dickson and
 377. Thompson, from June 1908 to August 1909, about
 details in the 'Life of Kelvin'.

See also -

- AYRTON, William. 3.
 THOMSON, William. Lord Kelvin 326, 342, 353.
 WILKS, Sir Samuel, 397.

THOMSON, Elihu. 1853 - 1937.

320. December 29, 1893. Thanks for invitation to join SPT
 Swampscott, Mass., next summer; expresses pleasure
 U. S. A. in his recent visit; is looking out
 a lecture about which SPT enquired.
321. June 11, 1894. Long letter, with cover, which is
 The same. endorsed 'on silicide of carbon
 and on alterno-current motors,'
 which are described in detail.
 Refers to ill health and inability to
 make trip to Europe.
322. January 1, 1898. Thanks for copy of life of Faraday.
 The same. Season's greetings.
323. July 27, 1914. Thanks for copy of 'Rose of the
 The same. Winds'; alludes to possibility of
 SPT visiting the States the next year.
482. June 26, 1916. To Mrs. Thompson. Letter of
 The same. condolence on the death of SPT.

THOMSON, James.

493. February 8, 1910. Thanks for a copy of the 'Life of
 1-2. 22, Wentworth Place, Kelvin'.
 Newcastle.
502. February 20, 1910. Points out a few errors in the
 The same. 'Life'.

THOMSON, John M.

325. October 18, 1881. Is sending dichroic crystals, and
 Arts Club, describes their method of growth.
 Hanover Square.

THOMSON, Sir Joseph John. 1856 - 1940.

324. February 1, 1906. Regrets inability to attend SPT's
Cavendish Laboratory, lecture. Describes process at
Cambridge. Siemens and Hulckes for produc-
tion of nitrates from the air.

THOMSON, William. 1st Lord Kelvin. 1824 - 1907.

326. February 27, 1882. Draft. SPT to Sir William.
London. Enquires about detail of construct-
ion of receiver, referred to in
Maclean telephone case, once
demonstrated by Sir William at a
B.A. meeting.
327. March 1st, 1882. Dictated. Gives details of action
1-2. University, Glasgow. of disc in relation to electromagnet,
used in receiver.
328. December 19, 1890. Discusses spelling of their respec-
The same. tive names; family crests, etc.
329. January 23, 1891. Postcard. Thanks for copy of
p.m. Glasgow. Gilbert of Colchester.
330. February 24, 1891. Dictated. Is writing to Electrical
The same. Review about S.A. Varley's 'vile
insinuation against Jenkin of false-
hood'.
331. May 24, 1893. To Kennedy. Technical details of
6, Cadogan Place. reading of wattmeter.
332. June 21, 1893. Dictated. Will visit SPT to see
The same. 'pyroelectric experiments', etc.
333. June 30, 1893. Dictated. Thanks for information
The same. on quartz, and experiments he saw.
334. July 6, 1896. Thanks to the F.T.C., for the
Glasgow. address received on the occasion of
the Jubilee of his Professorship.
335. October 12, 1896. Dictated. Thanks for Kepler's paper.
Netherhall. Observations on appearance of 'green
ray'.
336. January 17, 1899. Appreciation of honour of being made
Glasgow. first Honorary Member of the I. E. E.

337. October 10, 1899. Typewritten. Enquiries about
1-2. Netherhall. effect of temperature on luminous
Printed, Life of paint, etc.
SPT, p. 201.
338. October 14, 1899. Typewritten. Thanks for informa-
1-2. Netherhall. tion supplied. Hopes to visit SPT
Printed, Life, p.202. cannot attend E. E. dinner.
339. February 6, 1901. Hopes SPT will join deputation to
Fleming's Hotel. see Lord George Hamilton.
340. February 10, 1904. Typewritten. Encloses subscription
Netherhall. for Gilbert Tercentenary Fund.
341. September 8, 1904. Typewritten. Unable to attend
1-2. The same. oyster feast. Dissatisfied with
explanations of radiometer:
enquiry about publications on sub-
ject.
342. September 11, 1904. SPT to Lord Kelvin, answer to 341;
West Hampstead. draft. Details of radiometer, with
diagrams.
343. December 19, 1905. Dictated. Nominates J. J. Thomson
Netherhall. for 1906, Nobel Prize in Physics.
344. May 8, 1906. Dictated. Thanks for Life of Faraday.
15, Eaton Place, S. W. Has complete confidence in SPT
and his suggestion to write about
Kelvin's scientific work.
345. October 18, 1906. Typewritten. Lists the merits of
Netherhall. his siphon recorder for submarine
Quoted, Life, p. 284. telegraphy.
346. January 8, 1907. Typewritten. Refers to SPT as
1-2. Netherhall. 'living encyclopaedia of all science'
about projected experiment on
Ether drift, which he discusses.
347. January 23, 1907. Typewritten. Thanks for letter
Netherhall. about bibliography and electric
experiments.
348. July 7, 1849. Frederick Fuller to William Thom-
Hull. son. Difficulties of travelling to
Denmark because of quarantine for
cholera, etc.

349. July 16, 1849. Hotel Royal, Copenhagen. Frederick Fuller to W. Thomson. Arrangements to meet in Sweden.
350. September 6, 1849. Stockholm. [To his aunt, Mrs. Gall.] Details of his Swedish travels. [See 'Life of Kelvin', vol. 1, pp. 218 - 219.]
351. October 14, 1849. St. Peter's College, Cambridge. Frederick Fuller to W. Thomson. Cambridge gossip, etc.
352. April 9, 1850. The same. The same to the same. Thanks for hospitality in Glasgow, etc. - his uncomfortable return journey to Cambridge, on five different railroads.
353. Jun 9, 1908. ' Morland. ' SPT to the Registrar, Peterhouse. Enquiry about Frederick Fuller.
354. June 13, 1908. 9, Palace Road, Kingston. Frederick Fuller to SPT. Delighted to help with the biography; their holidays together, etc.
355. March 29, 1909. The same. The same to the same. Details of Macpherson; his own recent severe operation.

THORPE, Sir Thomas Edward. 1845 - 1925.

379. January 6, 1916. Whinfield, Salcombe. Thanks for a ' list of Rücker's. '

TILDEN, Sir William Augustus. 1842 - 1926.

380. n. d. Clifton College, Bristol. Thanks for copy of an address.
483. June 15, 1916. Northmead, Middlesex. To Mrs. Thomson. Letter of sympathy on the death of SPT.

TOBLER, August. 1872 -

567. January 27, 1913. Winkelwiese 4, Zurich. Enquiry about a memoir of Fleeming Jenkin; admiration of Kelvin ' Life'; SPT should write a biography of Varley.

TROTTER, Alexander Pelham. 1857 - 1947.

381. June 29, 1895. Asks advice about publisher for
28, Victoria Street. a projected book of his lectures
S.W. 'Royal roads to calculation';
describes the contents and scope.

TUTTON, Alfred Edwin Howard. 1864 - 1938.

382. March 15, 1909. Wishes to show right and left
41, Ladbroke Square, rotation of two quartz plates
W. during lecture at Winnipeg.
Asks for loan of equipment.
383. May 4, 1909. Thanks for loan of slides; is
The same. purchasing quartz specimens.

TYNDALL, John. 1820 - 1893.

384. [1850]. Draft. Addressee unnamed.
Hammond's Hotel, Wishes to follow up the magnetic
St. Martin's Court. studies he has commenced in
German, and asks advice about the
possibilities of obtaining part time
literary employment.
385. December 20, 1879. Dictated; perhaps in Mrs. Tyndall's
Royal Institution. handwriting. Praises a paper by
SPT; states his views on unilateral
conductivity.
- 385a. June 2, [1882 ?]. Note about the source of figures
Royal Institution. used by SPT for some article.

UNWIN, William Cawthorne. 1838 - 1933.

386. September 24, 1907. Asks SPT to sign Dugald Clerk's
Palace Gate Mansions, proposal form for the Royal Society.
29, Palace Gate, W.

VAGNONE, Guglielmo Orazio.

387. December 19, 1913. In Italian. Gratitude for SPT's
1-2. Via Roma 36, past kindness; details of courses
Turin. in electrical engineering in Italy;
does not now wish to study this at
an English University, but would
like to work as trainee in some
industry and asks for help in achieving
this if possible.

VIAUDET, A.

388. December 12, 1881. In French. Has received book on
Société Française de Electromagnetism and will review
Physique, 44 Rue de it shortly; need to teach physics in
Rennes, Paris. a new manner.

VILLARI, Emilio. 1836 - 1904.

389. March 29, 1890. He is anxious about the possible loss
Istituto Fisico, of proof sheets of his translation which
University of Naples. may have been lost in the post.
390. April 20, 1890. He is sending a further set of proofs by
The same. registered post; asks if SPT will
consider correcting them.

VOLTA, Alessandro. 1745 - 1827.

446. July 26, 1803. In Italian. To Carlo Raimondi.
Como. Makes an offer for a house which
Raimondi has put on the market,
and which the Volta brothers would
like to buy. [See also CORTI,
Antonio.]

VOLTA, Alessandro.

447. December 30, 1899. In Italian. New Year greetings.
Milan.

WALKER, Miles. 1868 - 1941.

391. February 5, 1904. Praises the latest edition of
Old Trafford, Manchester. 'Dynamo Electric Machinery.'
392. November 7, 1915. Thanks for copy of 'Electricity
Buxton. and Magnetism'; 'the book will
always be to me the authority
for first principles.'
484. June 14, 1916. To Mrs. Thompson. Letter of
Little Haven, Spencer condolence on the death of
Road, Buxton. SPT.

WARREN, Sir Thomas Herbert. 1853 - 1930.

545. March 31, 1910. Expresses his pleasure at the
1-2. Athenaeum. quotation of his work at the end of
the 'Life of Lord Kelvin'.
546. April 2, 1910. Again expresses appreciation,
Hampstead. thanks for letter from SPT.

WEBSTER, Sir Richard Everard. 1st Viscount Alverstone. 1842 - 1915.

393. June 26, 1891. Dictated. Acknowledges receipt of
information about Henderson, 'will
speak to the Home Secretary on his
behalf'.
394. November 1, 1909. Acknowledges receipt of an Odde
Volume.
528. February 22, 1910. Thanks for 'Life of Kelvin'; anec-
1-2. London. dotes of Kelvin: explanation of
Kelvin's misapprehension about
Bell's Telephone at the Glasgow
B.A. meeting; anecdote of Sir
Joseph Swan who was similarly
mistaken about an electric lamp.
Comments on his marine compass;
his improved tachymeter.

WILKS, Sir Samuel. 1824 - 1911.

395. n.d. [before 1901]. Will add his name to the memorial.
72, Grosvenor Street.
396. January 7, 1904. Thanks for work on Gilbert. Enquiry
8, Prince Arthur Road, about loadstone.
Hampstead.
397. February 28, 1908. Asks SPT if he will support the
The same. Research Defence Society. Draft
of SPT's reply, dated March 1, on
back of the same letter. Will not
support the society if it defends vivi-
section for purposes of instruction
in medical schools: is heartily in
favour of such research in the proper
research laboratories.

WIMSHURST, James. 1832 - 1903.

398 - 39 letters, 1882 - 1894, principall on the design and
436. performance of the influence machines designed by
Wimshurst, and discussion of the experiments carried
out with them by Thompson and himself.

ZEEMAN, Pieter. 1865 - 1943.

437. January 31, 1912. Thanks for packet; recalls
Stadhouderskade 158, former B.A. Portsmouth meeting
Amsterdam. with pleasure; does not know who
will represent the Academy at
the July celebration [250th] of
the Royal Society.

MANUSCRIPTS

595. Lecture . . . on the Compass. Saturday, April 20, 1907. Typescript, 35 ff. [Studies in Magnetism, at the Royal Institution.]
596. Myths of the Magnet, and other Essays Magnetical. 1 f. A list of projected titles for articles, etc.
597. Legends concerning the Lodestone. 13 ff.
598. The Lucky Horseshoe. 12 ff.
608. Memorandum concerning the affairs of the Gilbert Club. November, 1915. 1 f.
- 609 - 612. The Life of Lord Kelvin. M.S. Four bound volumes. Presented to the Imperial College in 1951.

PHOTOGRAPHS

etc.

613. ZIGZAG. Cartoon by " F.G.L. " Poor Kit. Print, c. 1882. Thompson is drawn treading on a cat's tail in the shape of a report, a moon (labelled ' Electric Light ') grinning in the background. The caption is as follows :
- " A little further enquiry must have shown the makers of the report, how completely misinformed they were. " Professor Thompson's letter on Mr. Kitt's report.
614. Photograph of Professor Thompson with a group of friends, which includes Otto Lummer, seated outside a restaurant. Most of the party are in full academic dress. Probably taken in Breslau in August, 1911. 9" x 6". Mounted. There is a description of the occasion when the photograph might have been taken in the 'Life', p. 340.

- 615, Two photographs taken by J. Russell, probably both about
616. 1910. In one the Professor is shown standing in his laboratory, (this is reproduced facing p. 148 in the 'Life. ') In the other he is seated working at his desk. 8" x 6". Mounted.
617. Cartoon, by L. R. Jacobs, from ' Electrical Engineering', December 4, 1913. " Experiments in terminology; what might happen." Print. (Reproduced, without the caption, in the 'Life', facing p. 138.)

See also the photograph enclosed in the letter from Sir James Crichton - Brown, no. 609.

618. Portrait, head and shoulders, by Elliott and Fry.
Framed. $17\frac{1}{2}$ " x $23\frac{1}{2}$ ".
619. Christmas card, 1899, from Professor and Mrs. Thompson.
Designed by the Professor.
- 626- A collection of photographs, etc. , of Lord Kelvin, from
657. 1870 onwards. They include a number of portrait studies by T.R. Annan and Sons of Glasgow, the photograph taken in 1888 by Miss Agnes King, and three small photographs of Kelvin at Netherhall, experimenting out-of-doors with an azimuth mirror, on September 27, 1904.
There are also three photographs, copies of prints and paintings, of the first wife of Lord Kelvin.

