

THE ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS

Report on the papers of  
PROFESSOR HENRY T. FLINT  
(1890-1971)

Physicist

deposited in the Archives of the  
University of London

Reproduced for the Contemporary Scientific  
Archives Centre  
(CSAC 27/4/75)

by

THE ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS  
Quality House, Quality Court, Chancery Lane,  
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1975

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No. 75/31

CSAC 27/4/75

THE ROYAL SOCIETY

THE ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS

Committee on Scientific and Technological Records

CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

Papers of

PROFESSOR HENRY T. FLINT

(1890 - 1971)

Listed by: Jeannine Alton  
Harriot Weiskittel

Deposited in the Archives of the University of London 1975  
and in the Imperial War Museum, London



Description of the collection

The papers were received from Mrs. Ruth Flint; some personal papers and correspondence remain in family hands.

The collection covers almost the whole of Professor Flint's life and career. Documents relating to his War Service 1915 - 1918 are deposited in the Department of Documents, Imperial War Museum, London, Ref. 74/123/1 (see Section H, p. 12).

The help of Dame Marjorie Williamson and Dr. V.I. Little in identifying and dating some of the notebooks is gratefully acknowledged.

Unless otherwise stated, all documents are manuscript; titles and descriptions in inverted commas are those on the manuscripts.

Summary of the career of Professor Flint

b.1890

- 1912 M.Sc., University of Birmingham
- 1915 - 18 Royal Garrison Artillery
- 1919 Assistant Lecturer in Physics, Cardiff University
- 1920 Lecturer, Reading University College
- 1920 - 26 Lecturer, King's College, University of London
- 1925 D.Sc., University of London
- 1926 - 44 Reader in Physics, King's College
- 1928 L.R.C.P. (Licentiate of the Royal College of Physicians) and  
M.R.C.S. (Member of the Royal College of Surgeons)
- 1930 D.M.R.E. (Diploma in Medical Radiology and Electrology) Cambridge
- 1930 - 33 Clinical Assistant in Radiology Department, Westminster Hospital  
(later - Consultant Physicist to Westminster Hospital and King's  
College Hospital)
- 1933 married Ruth Lieck
- 1944 - 56 Professor of Physics (Hildred Carlisle Chair), Bedford College,  
University of London
- 1956 Honorary Fellow, King's College

Contents of the handlist

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A. Biographical

- A.1 Miscellaneous printed obituaries and tributes -  
Bulletin, Hospital Physicists Association by  
 Professor L.F. Bates, F.R.S., and Professor G. Stead;  
British Journal of Radiology, 45, p.156, by 'J.P.N.'; 1972  
 Appreciation by Professor S. Tolansky, F.R.S., at  
 meeting of Board of Studies in Physics, December 1; 1971  
 Memorial address, St. Mary's Church, Pillerton Hersey,  
 24 November 1971 1971
- A.2 List of publications, November 1944 1944
- A.3 Certificate of Ph.D. in the Faculty of Science, University 1925  
 of London, 25 January 1925  
 Certificate of registration, L.R.C.P. 1928
- A.4 Application for chair of Physics at Birkbeck College, 1933  
 University of London: ms. draft of Flint's letter of  
 application, curriculum vitae, list of publications,  
 list of referees. 2-page ms. draft of testimonial  
 by Professor O.W. Richardson dated 28 January 1933
- A.5 Miscellaneous 'brain teasers' and mathematical problems n.d.  
 collected by Flint
- A.6 Papers relating to Flint's visit to Makerere College, the 1953  
 University College of East Africa, to advise the Senate  
 Committee on Higher Education in the Colonies on their  
 physics courses and the Intermediate Science Examinations:  
 correspondence, ms. notes and typescript of report to  
 Committee, miscellaneous printed matter re the College
- A.7 Official opening of Nigerian College of Arts, Sciences 1957  
 and Technology: programme, photographs and invitations

B. Notebooks

Those documents relating to Flint's service in the Royal Garrison Artillery during the First World War have been deposited in the Department of Documents, Imperial War Museum, London. See page 12 for a descriptive list.

B.1 - B.5 School Notebooks

c1904 - 08

- B.1 'French'
- B.2 'Scripture'
- B.3 'French'
- B.4 'Conics' (with note added later by Flint 'Wyggeston Boys' 1908  
 School, Leicester, 1908. Mathematics Master, H.E. Atkins')
- B.5 'Practical physics' (with loose notes and geological maps 1904 - 05  
 inserted)



B.6 - B.26 University notebooks (the date given is that of the first lecture in the course)

B.6	'Statics. Applied Mathematics. Course I'	October 1909
B.7	'Pure Maths. Course II'	October 1909
B.8	'Pure Mathematics. Course II'	December 1909
B.9	'Hydrostatics. Applied Mathematics. Course I'	April 1910
B.10	'Pure Maths. Course II'	April 1910
B.11	'Applied Mathematics. Course II' (with loose notes inserted)	October 1910
B.12	'Physics. Pure Science. Course III' (with loose notes inserted)	October 1910
B.13	'Pure Mathematics. Course III' (index given on page 1)	May 1911
B.14	'Theory of potential'	October 1911
B.15	'Theory of potential (2). Some theorems on curves - homogeneous co-ordinates'	December 1911
B.16	'The theory of functions' (with note 'The notes on the right are from Dr. Heath's notebook. The left have been added at later times from various sources.')	January 1912
B.17	'Convergence' (with same note as in item B.16)	January 1912
B.18	'The theory of functions of two variables'	February 1912
B.19	'Fourier's Series'	April 1912
B.20	'Pure Mathematics. Notes of lectures to Course III. Conic Sections'	September 1912
B.21	'Spherical geometry and trigonometry'	September 1912
B.22	'De Moivre's Theorem and some deductions from it'	October 1912
B.23	'Functions'	January 1913
B.24	'Total and partial differential equations' (with loose notes and examination questions inserted)	October 1913
B.25	'Legendre coefficients, II and Spherical harmonics'	March 1914
B.26	'Ricatti's equation'	February 1915
B.27	Notes on articles and books read (partial index on cover of notebook)	c. 1919 - 22
B.28	Notes on articles (by Planck, Hertz, de Donder, Pauli and others)	March 1921, 1927
B.29	'Lecture notes on the theory of relativity'	January 1922



B.30	'Generalized dynamics. The quantum theory of Spectra' (notes for lectures)	January 1923
B.31	'The kinetic theory of gases. Conduction of heat'	December 1923
B.32	'Practical organic chemistry' (notes for lectures)	January 1924
B.33	'Lectures to post-graduate students on the development of general dynamics'	October 1926
B.34	'Lectures to 2nd and 3rd year Honours physics students'	October 1927
B.35	Notes on 'the association of a surface with the track of a particle in space-time'. Notes on various articles read.	c.1931
B.36	'Notes for first lecture'; chronological list of subjects of of lectures (1937-38); drafts for some lectures	1935 - 38
B.37	'Notes on statistical mechanics. Notes on the special theory of relativity'	November 1936
B.38	Copies of examination papers for external students, University of London, pasted in notebook with miscellaneous notes by Flint	1934 - 36
B.39	'Intermediate examinations 1937 July ': copies of examination papers for external students pasted in notebook. The first page carries a note by Flint of the examiners for each paper.	1937 - 38
B.40	'Thermodynamics. Advanced course'	1938
B.41	Various ideas for research etc. especially on Meson field	1935 - 38
B.42	'Radiation' Lecture notes with draft of 'The kinetic theory of gases' added in August 1947	April 1938
B.43	Lecture notes on heat	1939 - 48
B.44	'Lectures on the Subject of Sound'	1939 - 40
B.45	Notes and drafts on 'The Anomalous Zeeman Effect' and 'Statistical Theories'	c.1939
B.46	'Notes on cylindrical coordinates'	1940
B.47	'The theory of the propagation of electromagnetic waves along hollow metal cylinders and wires': draft with notes of bibliographical references	c.1940
B.48	Lecture notes on electromagnetism	c.1940
B.49	Wartime lectures on radio '1. Conduction in Parallel Wires. 2. Electromagnetic theory of absorbing media. 3. Conduction in parallel wires with discontinuous dielectric. 4. Theory of coaxial cable (field theory compared with usual line theory).'	c.1940 - 44



B.50	'lecture notes on general physics for advanced students'	August 1945
B.51	'Matrix geometry. Theory of the co-efficients. Vector equations in nuclear fields and a more general Dirac equation '75'	1945 - 55
B.52	'Five dimensional geometry'	1945 - 55
B.53	'The theory of relativity and the quantum theory'	c.1950
B.54	'Field theory of particles without spin'	c.1947
B.55	Lecture notes on thermodynamics and on heat radiation	September 1951
B.56	'The first order equation of the quantum theory' (the title of the first entry; see complete list of contents on first page)	1951 - 52
B.57	Notes on Dirac's <u>Theory of Magnetic Poles</u> (1948)	c.1950-53
B.58	'Huygen's principle' (first entry in set of lecture notes)	n.d.
B.59	Notes for undergraduate lectures on heat	n.d.
B.60	'The formal grounds of the theory of relativity': notes on Einstein's 1914 papers	n.d.
B.61	'Reflection of e.m. waves at a boundary separating two media with condirection' (with loose notes on quantum statistics inserted)	n.d.
B.62	'Atomic Moments. 4-dim. unitary theory. notes on matrix notation'	n.d.
B.63	Lectures on 'the principles of dynamics'	n.d.
B.64	Notes on 'Adiabatic invariants of the quantum theory' (by P. Ehrenfest, 1916)	n.d.
B.65	Notes on 'Theory of dielectrics'	n.d.
B.66	Lecture notes: 'radioactivity', 'theory of perturbations' etc. with notes on practical problem exercises	n.d.
B.67	Lecture notes 'A theory of the electron' etc.	n.d.
B.68	Lecture notes 'Simple-coordinate transformations' etc.	n.d.
B.69	Lecture notes	n.d.
B.70	Lecture notes 'gyroscope', 'Cyclotron' etc.	n.d.
B.71	'Practical zoology': anatomical drawings and notes (with loose notes inserted); back of book contains notes on organic chemistry	September 1923



- |      |  |              |
|------|--|--------------|
| B.72 | Notes on X-ray treatment, bone diseases, tuberculosis. Notebook also contains notes on the quantum theory and draft of an introduction beginning 'The attempt to unite the first order equations of the quantum theory with the theory of relativity. . . ' and misc. notes entitled 'Matrix analysis and geometry' and 'A metrical theory and matrices' | January 1935 |
| B.73 | Notes on radiation treatments (see index in book)  | n.d.         |
| B.74 | Notes on 'T.B., spleen, ovaries, ringworm, menstruation'   | n.d.         |
| B.75 | Notes of lectures given in Ghana   | 1958         |
| B.76 | Notebook of lectures 'Nuclear models'  | n.d.         |

C. Lectures, addresses, working papers.

Some of the following are complete manuscripts for invitation lectures or addresses; others are shorter notes, perhaps for university lectures. Very few are dated and many are untitled.

- |      |   |
|------|---|
| C.1  | University College of South Wales Examination answer book: notes on transformation of equations.  |
| C.2  | King's College London Examination answer book, 'The Screening of Components of A.C.Circuits', 'Application of Fourier's theorem to the determination of frequency'. |
| C.3  | University of London Examination answer book.   |
| C.4  | " " " " " " " 'Uncertainty in Physics'.   |
| C.5  | Envelope, 'Intermediate Lecture Notes': misc. lectures on Physics, some dated 1937.   |
| C.6  | 'On the Electrodynamic Scalar & Vector Potential'.  |
| C.7  | 'Distant Parallelism & Matrix Representations employed on the Quantum Theory'.  |
| C.8  | 'Colour'.   |
| C.9  | 'Hering's Theory of Colour Vision'.   |
| C.10 | 'The Analogy between the Electron & the Proton'.  |
| C.11 | 'The Analogy between the Field Theory of the Nucleus and the Electromagnetic Theory of a Polarizable Medium'.   |



- C.12 'The effect of a discontinuity in the dielectric surrounding Lecher wires'.
- C.13 'Ultimate measurements of space & time in Physics'.
- C.14 'Particles and Waves'. March 1945
- C.15 Untitled (on the laws of Physics)
- C.16 Untitled (on the laws of Physics)
- C.17 'Particles'
- C.18 'Difficulties concerning the Theory of the Electron' 37pp. Nov. 29th 1954. 1954
- C.19 Address on the Centenary of the birth of Max Planck. 1958
- C.20 'Bubbles and Drops', lecture-demonstration for children.
- C.21 Script of broadcast on University of London and University College of West Indies. 1962
- C.22 - C.25 Manuscript & 3 lectures on the Chemical Elements.
- C.22 Ms. notebook 52pp.
- C.23 'The Chemical Elements', lecture at King's College Maxwell Society dated 15.I.51.
- C.24 'The Chemical Elements. A Limitation to their Number'
- C.25 Untitled lectures on elements.
- C.26, C.27 2 lectures on Discontinuity in Physics.
- C.26 'Discontinuity in Physics', Inaugural Lecture at Bedford College, Nov. 28th 1944
- C.27 Untitled lecture, perhaps for British Association.
- C.28 - C.30 3 lectures on Diathermy.
- C.28 'Modern Ways of Applying Heat to the human body', lecture at London School of Medicine Dec.15 1950. Ms & typescr.
- C.29 'Short-wave Diathermy'
- C.30 'Physical aspects of Gamma-radiation Therapy'.
- C.31 - C.33 3 lectures on Telegraphy.
- C.31 lecture to King's College Maxwell Society Feb.12th 1943
- C.32 'The Development of Telegraphy', Bedford College Maths. & Phys. Soc. Feb 23 1949
- C.33 'Submarine Telegraphy'.
- C.34 3 speeches at school prize-givings, one at Quintin School, St. John's Wood, and 2 others. 1958
- C.35 Address: 'The material and the spiritual: a new review of an old problem', given at East & West City Ruridecanal Conference 1937  
11 Feb 1937.



- C.36 'Mechanical Example of Coupled Oscillators'.
- C.37 'Perturbation in an Assembly of Independent Systems'.
- C.38 'Theorem of Bloch'.
- C.39 'Classical Statistical Theory'.
- C.40 'Brownian Movement'.
- C.41 'Specific Heat'.
- C.42 'Note to illustrate Matrix mechanics'.
- C.43 'Fundamental Physical Constants', with related offprints & notes.
- C.44 'Low Pressures'.
- C.45 'The Common Emitter Amplifier'.
- C.46 'Transistors'.
- C.47 'Impedance'.
- C.48 'Input Impedance of the Cathode Follower'.
- C.49 '6 Qualities concerned with knowledge of the structure of the universe'.
- C.50 'Possible forms of field eqns.'.
- C.51 'Interaction of Elementary Particles'.
- C.52 'Deduction of exchange forces between the neutron & proton'.
- C.53 notes on Spin, etc.
- C.54 Misc. working papers & shorter notes.
- C.55 Flint's notes on medical lecture courses; answers to revision examination questions, annotated. 1924 - 28
- C.56 Printed copies of examination papers, typescripts of notes on practical surgery. 1922 - 27
- C.57 Work & corresp. on Radiotherapy (c) 1930 - 38

Typescr. of Report for Westminster Hospital Radiotherapy Dept;  
 'The Neutron', typescr. with special reference to neutrons in  
 biology & medicine; list of publications relating to biological  
 effects of neutron (c) 1938; copies of exchange of letters between  
 Professor E.O.Lawrence, Professor F.L.Hopwood, Dr.A.Bouwers.1938.



D. Committees

- D.1 British Medical Association Committee on Radioactive Substances: minutes, memorandum, draft of letter from the Committee to the Secretary, Ministry of Health re the manufacture and use of radioactive substances 1945
- D.2 Royal Society Committee on Symbols: minutes, report 1959 - 65
- D.3 British Committee for Radiological Units: correspondence and various proposals for reconstitution 1965
- D.4 - D.13 University Grants Committee
- Professor Flint served as assessor of claims for scientific and technical equipment of new buildings and laboratories. 1959 - 68
- D.4 General correspondence with U.G.C. 1961, 1967-68
- D.5 Westfield College, University of London: correspondence, copy of Flint's report 1959 - 62
- D.6 University of Birmingham: correspondence, report 1959 - 61
- D.7 King's College, Durham University: correspondence, lists of equipment 1959 - 63
- D.8 University College of Wales, Aberystwyth: correspondence, lists and costs of equipment, draft of Flint's report to U.G.C. 1961 - 66
- D.9 Nottingham University: correspondence, schedules of equipment 1963
- D.10 University of Southampton: correspondence, ms. and typescript drafts of reports to U.G.C. 1964 - 66
- D.11 University College of Swansea: correspondence and report 1964 - 67
- D.12 Chelsea College of Science and Technology; University of Exeter; College of Advanced Technology; Birmingham: correspondence 1965  
1965
- D.13 Sheffield University: correspondence, ms. and typescript drafts of report 1966

E. Publications

- E.1 - E.3 Advanced Practical Physics for Students (with B.L. Worsnop) c.1923 ms. Draft of introduction and chapters I - VI, drawings of figures used in book. 247+ pages.
- E.4 Wave Mechanics: paperback copy of 8th edition (1953) with extensive revisions and insertions 1953
- E.5 Wave Mechanics: hardbound copy of 8th edition with many pages removed for insertion in E.4 1953



- E.6 Wave Mechanics: proof copy of 9th edition (1967) with miscellaneous annotations and revisions 1967
- E.7 - E.9 'The Quantum Theory. Its geometrical formulation and an account of some fundamental problems.': ms. draft of 7 chapters. Preface begins 'This book is written as a contribution to the study and teaching of the quantum theory.' and is dated November 1963. The chapter titles do not correspond to those of The Quantum Equation. 208+ pages 1963
- E.10 The Quantum Equation and the Theory of Fields: proof copy with several insertions of ms. drafts of new pages. Notes on 2 articles by O. Klein in Z.Phys. (1926, 1927) and translation of article by Th. Kaluza in Sber.preuss. Akad.Wiss. (1921) cited in chapter 2 of The Quantum Equation, 'The Theory of Kaluza and Klein' 1966
- E.11 'Resonant Method of Measuring Absorption by Wave Guides' 41 pp ms. draft followed by several unnumbered pages on transverse waves and another draft (1st page missing) of 47 pp. beginning 'Boundary Conditions' n.d.
- E.12 Various numbered sections of a draft of an unidentified MSS n.d.
- E.13 'Note on the communication by G.A. Dirac entitled "Equation of Motion of a Charged Particle" ': ms. draft and typescript n.d.
- E.14 Letter published in November issue of 'FRAM' re mathematical four- and five- dimensional geometry and atomic numbers 1939
- E.15 3 offprints of Flint's articles, one entitled 'A Method for the Measurement of Impedance by means of Lecher Wires' (with G. Williams) with note by Flint 'Method discovered at Pillerton Hersey, Warwick. Easter 1941. Tried out in Bristol, May 1941.' 1941 - 48
- E.16 'Fundamental Lengths and Masses of Fundamental Particles': typescript c.1951
- E.17 'Charged particles in the theory of relativity' (with M. Williamson): typescript c.1955
- E.18 'A New Uncertainty Relation' (with M. Williamson): note to Nature 1956
- E.19 Several versions of a Ms. draft beginning 'It was suggested some time ago that the limit to the number of chemical elements is 96' n.d.
- E.20 'The connection of the subject of the thesis with the motion of moving charges': ms. draft of paper n.d.



- E.6 Wave Mechanics: proof copy of 9th edition (1967) with miscellaneous annotations and revisions 1967
- E.7 - E. 9 'The Quantum Theory. Its geometrical formulation and an account of some fundamental problems.': ms. draft of 7 chapters. Preface begins 'This book is written as a contribution to the study and teaching of the quantum theory.' and is dated November 1963. The chapter titles do not correspond to those of The Quantum Equation. 208+ pages 1963
- E.10 The Quantum Equation and the Theory of Fields: proof copy with several insertions of ms. drafts of new pages. Notes on 2 articles by O. Klein in Z.Phys.(1926,1927) and translation of article by Th. Kaluza in Sber.preuss. Akad.Wiss. (1921) cited in chapter 2 of The Quantum Equation, 'The Theory of Kaluza and Klein' 1966
- E.11 'Resonant Method of Measuring Absorption by Wave Guides' 41 pp ms. draft followed by several unnumbered pages on transverse waves and another draft (1st page missing) of 47 pp. beginning 'Boundary Conditions' n.d.
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- E.16 'Fundamental Lengths and Masses of Fundamental Particles': typescript c.1951
- E.17 'Charged particles in the theory of relativity' (with M. Williamson): typescript c.1955
- E.18 'A New Uncertainty Relation' (with M. Williamson): note to Nature 1956
- E.19 Several versions of a Ms. draft beginning 'It was suggested some time ago that the limit to the number of chemical elements is 96' n.d.
- E.20 'The connection of the subject of the thesis with the motion of moving charges': ms. draft of paper n.d.



- E.21 The Commonwealth and International Library of Science, Technology, Engineering and Liberal Studies published by Pergamon Press. Professor Flint was a Managing Director of the Physics Division; the file contains correspondence with editors and director of Pergamon, with Flint's co-editor, Dr. Eric J. Irons, re proposed list of books to be commissioned and re MSS submitted, with authors; comments on the Mss, printed material re the series 1961 - 65
- E.22 - E. 26 Extensive correspondence of Dr. Eric J. Irons; Flint probably took over the files after Dr. Irons' death in 1963. The correspondence, which is arranged chronologically, contains the originals of Flint's letters (of which he himself kept no copies) and Irons' correspondence with editors and directors of Pergamon, with outside referees, with prospective authors of physics books in the series. The index is selective; a full list of correspondents appears on the cover of each file. 1960 - 63
- E.27. 'Rigid Dynamics': typescript with extensive annotations by Flint and Irons n.d.
- E.28 Misc. ms. drafts of book reviews (titles of books unknown) n.d.
- D.29 Misc. reminiscences and obituaries of Dr. Sydney Marsh, Sir Edward Appleton, William Wilson, Sir Owen Richardson
- F. Examining
- F.1 Drafts and suggestions for examination questions n.d.
- F.2 Questions for D.Phil. candidate, reports on D.Phil. theses (unidentified) n.d.
- F.3 External examining, University of the West Indies: correspondence, Flint's suggestions and comments on proposed examination questions, the University's examiners' comments 1962
- F.4 External examining: University College, Ibadan, Nigeria: correspondence, drafts of examination papers 1962 - 64
- F.5 External examining: University of the West Indies: correspondence, copies of examination syllabus 1963 - 65
- F.6 - F.7 Misc. references and testimonials 1947 - 69
- G. Correspondence
- G.1 One file. of miscellaneous scientific correspondence 1941 - 50



H. Location of other material

Deposited in the Department of Documents, Imperial War Museum, Ref. 74/123/1.

War Service 1915 - 1918

1. 3 vols. personal diaries, 1915 - 1918, relating to training, active service, demobilisation and return to university career; pencil and ink, with some later annotations and some erasures and deletions.
2. 'Army Book 3' and 'Army Book 152', containing notes taken during training.
3. 'Army Book 136', dated 25 April 1917; notes of personnel 401S Bty. R.G.A., civil and military status, subsequent history etc.
4. 'Army Book 152', Jan. - March 1918, inscribed by Flint 'Temporary Target Book of 306 Siege Battery, situated at the Village of Vendeuil in the sand pit South of the village on the road S. Quentin - La Fère. The position was held from early in Jan 1918 to about March 10th 1918 during the time of anticipation of a full German attack; which finally came on March 21st. & caused the whole 5th Army to retreat. This book contains details of preparations made by us to defend the position in a hand to hand fight & our orders were to "be buried in Vendeuil if necessary."
5. Misc. field orders 1917 - 1918, by or to Flint. Ms.
6. Personal material: Flint's Commission and Discharge papers; his Army book 439; photographs of his Battery and comrades, souvenirs, press cuttings and correspondence; includes photographs and letters "picked up on the battlefield", some French and German.
7. Misc. maps and charts of France and Belgium, some with notes by Flint.
8. Misc. aerial photographs of artillery bombardment, dated 1917 - 1918.
9. Photographs of Abbeville; views of Ypres before and after war.
10. Misc. printed Instruction Books, dictionaries etc.



I. Index of principal correspondents

Adams, Sir Walter	A.6
Bellamy, Edmund Henry	D.5
Booker, H. G.	F.5
Bouwers, A.	C.57
Buckley, E. J.	E.21
Davidson, P. M.	D.11
Deacon, George Edward R.	E.25
Dungey, J. W.	G.1
Furth, R.	G.1
Haskey, H. W.	G.1
Hunt, S. E.	D.12
Hutchinson, George William	D.10
Irons, Eric J.	E.21 - E.26
Jones, G. O.	D.7
Kennedy, Alfred James	E.25, E.26
Lawrence, Ernest O.	C.57
Lipson, Henry Solomon	E.23
Little, Victor I.	E.23
Lyon, Arthur J.	E.21
Masriera, Miguel	G.1
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Moon, Philip Burton	D.6
Murray, Keith Anderson Hope (Baron Murray of Newhaven)	D.4
Myers, W. L.	D.10
Owen, Edwin Augustin	E.23



Roberts, John Eric	D.3
Rochester, George Dixon	D.10
Runcorn, Stanley Keith	D.7
Taylor, Alfred Maurice	E.23
Tolansky, Samuel	F.3
Tucker, David Gordon	E.21, E.25, E.26
Wolfenden, Sir John(Frederick)	D.4
Wood, C. W.	E.21
Wright, Raymond H. W.	F.5