

THE ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS

Report on correspondence and papers of

SIR RUDOLPH ALBERT PETERS

(1889 - 1982)

biochemist

deposited in the Bodleian Library, Oxford

Reproduced for the Contemporary Scientific Archives Centre

(CSAC 85/3/82)

by

THE ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS
Quality House, Quality Court, Chancery Lane,
London WC2A 1HP

1982

All rights reserved

No 82/35

CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

under the guidance of the Royal Society's

British National Committee for the History of Science, Medicine and Technology

Catalogue of the correspondence and papers of

SIR RUDOLPH ALBERT PETERS, FRS

(1889 - 1982)

Deposited in the Bodleian Library, Oxford

Compiled by: Jeannine Alton
Julia Latham-Jackson

1982

All rights reserved

The work of the Contemporary Scientific Archives Centre, and the production of this catalogue, are made possible by the support of the following societies and institutions:

The Anatomical Society of Great Britain and Ireland

The Biochemical Society

The British Pharmacological Society

The Charles Babbage Foundation for the History of Information
Processing

The Institute of Physics

The Institution of Electrical Engineers

The Nuffield Foundation

The Physiological Society

The Royal Society of London

NOT ALL THE MATERIAL IN THE COLLECTION
IS YET AVAILABLE FOR CONSULTATION.
ENQUIRIES SHOULD BE ADDRESSED IN THE FIRST
INSTANCE TO:

THE KEEPER OF WESTERN MANUSCRIPTS,
BODLEIAN LIBRARY,
OXFORD.

LIST OF CONTENTS

	<u>Items</u>	<u>Page</u>
GENERAL INTRODUCTION		4
SECTION A BIOGRAPHICAL AND PERSONAL	A.1 - A.42	7
A.1 -A.21, Miscellaneous items of biographical A.42 interest		
A.22-A.41 Membership of committees, societies, organisations		
SECTION B OXFORD UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY	B.1 - B.24	13
SECTION C VITAMINS AND NUTRITION	C.1 - C.77	16
C.1 -C.45 Work on vitamin B, 1925-39		
C.46-C.77 Wartime and Post-War work on nutrition		
SECTION D BRITISH ANTI-LEWISITE	D.1 - D.29	31
D.1 -D.19 Research reports, drafts, lectures, c.1939-50		
D.20-D.27 Correspondence on BAL and related research, 1940-67		
D.28, D.29 Reports and papers on mustard gas		
SECTION E F COMPOUNDS AND OTHER LATER RESEARCH	E.1 - E.84	38
E.1 -E.41 Laboratory records, drafts, data, 1952-74		
E.42-E.84 Correspondence, 1948-77		
SECTION F LECTURES, DRAFTS, PUBLICATIONS	F.1 - F.55	52
F.1 -F.32 Lectures, drafts, publications, 1945-70		
F.33-F.51 Undated material		
F.52-F.55 Shorter unindexed correspondence <u>re</u> lectures and publications		
SECTION G GENERAL CORRESPONDENCE	G.1 - G.34	58
INDEX OF CORRESPONDENTS		66

GENERAL INTRODUCTION

PROVENANCE

Through the good offices of Lady Chain the majority of the collection was passed to the Contemporary Scientific Archives Centre for cataloguing by Sir Rudolph himself after his final retirement from scientific work in July 1980 at the age of 91.

A small number of letters and papers, chiefly relating to the Oxford University Department of Biochemistry, were added to the main collection by Lady Peters after Sir Rudolph's death in January 1982.

Item B.24 is included in the collection by kind permission of Dr. L.A. Stocken.

SUMMARY OF THE CAREER AND WORK OF SIR RUDOLPH PETERS

Rudolph Albert Peters was born in Hampshire in 1889, the son of Dr. A.E. Peters who practised in Petersfield. He was educated at Wellington College and Gonville and Caius College, Cambridge, and became a research Fellow of Caius in 1911.

In 1913 he went to St. Bartholomew's Hospital to complete his medical training, and after graduating in 1915 he joined the Royal Army Medical Corps. His service in the field gained him the Military Cross and bar (see A.3) but in 1917 he was recalled to start work on chemical defence under J. (later Sir Joseph) Barcroft at Porton Down.

After the First World War, Peters returned to Cambridge where he was elected into a Fellowship at his old college and joined the Department of Biochemistry as Senior Demonstrator. In 1923 he was appointed to the recently founded Whitley Chair of Biochemistry at Oxford University, where he built up a flourishing department and began investigations into the structure and mode of action of Vitamin B₁. One of the results of this work was the firm establishment of the concept of 'biochemical lesion' in relation to deficiency disease.

During the Second World War, Peters returned once again to problems of defence against chemical weapons. He directed a small research team in his Department at Oxford working mainly on mustard gas and the arsenicals and his main success was the discovery of British Anti-Lewisite (BAL). After the war he

continued to work on toxicological problems with particular reference to the biochemical mechanism involved in poisoning by fluoroacetate. In 1954 he retired from the Chair at Oxford and moved to the Agricultural Research Council Animal Physiology Unit at Babraham where he remained for 5 years before joining the Cambridge University Biochemistry Department as Senior Visiting Fellow in 1959. Here he continued his research on F compounds and other related problems until his final retirement in July 1980. He was knighted in 1952.

DESCRIPTION OF THE COLLECTION

The collection documents some aspects of Peters's life quite fully while in other respects there are large gaps. There is, for example, nothing about his early life and indeed very little 'biographical' material at all, and almost nothing in the way of conferences and lecture tours, etc., although it is clear from odd references in the correspondence that he did travel, particularly after the Second World War. On the other hand, Section B has some interesting material relating to the building and funding of the new Department of Biochemistry at Oxford in the 1920s, while Sections C and E contain extensive laboratory notes and correspondence documenting his scientific research before and after the Second World War. There are also quite substantial sequences of correspondence and papers on the formation of the International Union of Biochemistry (see A.24 - A.37) and on Peters's service on various Sub-Committees of the Medical Research Council Accessory Food Factors Committee (see C.46ff.).

The correspondence in Section G is less substantial, since most of the scientific letters remain with the relevant notes and data in Sections C - E, but there are nevertheless a few interesting exchanges.

LOCATIONS OF OTHER MATERIAL

Committee papers relating to Peters's service on the M.R.C. Accessory Food Factors Committee have been returned to the Council.

Some offprints and printed items of historical interest have been accepted for the library of the Wellcome Unit for the History of Medicine, Oxford.

An aerial photograph, taken in December 1917, of a section of the Western Front between Albert and Peronne, was passed to the Department of Photographs of the Imperial War Museum, London.

Two notebooks and a tape-recording of early and wartime reminiscences remain in family hands.

ACKNOWLEDGEMENTS

We are grateful to:

Dr. L.A. Stocken and Mr. B. Taylor of the Department of Biochemistry, Oxford University, for advice and information and for making available item B.24.

Professor R.H.S. Thompson for comments on the draft catalogue and for making available item A.42.

SECTION A

BIOGRAPHICAL AND PERSONAL A.1 - A.42

The collection contains little in the way of biographical material. In particular there are only a few surviving papers to document the many honours and awards received by Peters in the course of his long scientific career.

The material is presented in two sequences: A.1-A.21 consists of miscellaneous items of biographical interest, presented in chronological order from 1913-1930. A.22-A.41 is a second, roughly chronological, sequence documenting Peters's membership of various committees, societies and organisations, including extensive correspondence on the foundation of the International Union of Biochemistry in which Peters played an active part.

Correspondence and papers relating to the Department of Biochemistry, Oxford University, where Peters was Whitley Professor of Biochemistry, 1923-54, is to be found in Section B.

Attention is drawn to item A.42 which was added to the collection by Professor R.H.S. Thompson when the catalogue was already in typescript. It consists of a rough transcript of an interview of Peters conducted by Thompson on behalf of the Biochemical Society and the Open University in March 1981 containing reminiscences of his career and scientific work.

See also F.6.

Biographical and personal

- A.1-A.21 MISCELLANEOUS ITEMS OF BIOGRAPHICAL INTEREST
- A.1 Obituaries and tributes.
Photocopies of obituaries published in the Times, Lancet and British Medical Journal.
2 pp. typescript written for the Royal Society of Chemistry by L.A. Stocken.
Also included here is 3 pp. ms. summary of his career prepared by Peters for the Contemporary Scientific Archives Centre in July 1980.
- A.2 Programme of 'IX Congrès International des Physiologistes', Groningen, 2-6 September 1913.
A note attached to the programme reads 'My First Congress in Physiology ... I was wrongly listed as Teters. R.A.P.'
- A.3 Photocopy of press-cutting and ms. note re award of a bar to the Military Cross to Capt. Rudolph A. Peters for services during battles on the Ancre, April 1917.
The original is held by Lady Peters.
- A.4 Letter announcing the award of the Medal of Freedom with Silver Palm 'for meritorious service in the field of scientific research and development', 10 June 1947.
- A.5 Letter and press-cutting announcing the award of the Royal Medal, November 1949, with one letter of congratulation from the Cosmopolitan Club, Madras.
- A.6 Letters announcing the award of the Cameron Prize of Edinburgh University, February 1950, and correspondence re the Cameron Lecture delivered by Peters in November.
Letters of congratulation on the award of the Cameron Prize. In alphabetical order.
- A.7 Correspondence re election as a Foreign Member of the Royal Dutch Academy of Sciences, May-June 1950.
- A.8 Letter re election as a Foreign Honorary Member of the American Academy of Arts and Sciences, July 1950.

Biographical and personal

- A.9 Correspondence re award of Honorary Doctorate by the University of Liège, May 1950, and arrangements for the conferment of the degree on 30 September.
See also A.10.
- A.10 Ms. and typescript drafts in English and French for speech delivered by Peters as representative of recipients of honorary degrees at Liège.
- A.11 Letters from I. de Burgh Daly and others, 1952-53, re Peters's proposed move to Cambridge after retirement from the Department of Biochemistry, Oxford, in 1954.
- A.12 Letters from H.A. Freeth, April-May 1954, re his portrait drawing of Peters for the Department of Biochemistry, Oxford. A later letter from Freeth is also included here.
- A.13 4 pp. ms. review of the highlights of his scientific work, written by Peters at the request of J. Yudkin, 1959.
Correspondence with Yudkin and some background material are also included in the folder.
- A.14 Draft letter of thanks from Peters to the Registrar, Australian National University, accepting award of honorary doctorate, November 1960.
- A.15 2 letters from the Editor of The Armorial, 1968, requesting information on Peters's Coat of Arms and enclosing a description of the blazon.
(Peters was knighted in 1952.)
- A.16 Correspondence re arrangements for visit to U.S.A., 1968.
- A.17 Letters from the Department of Biochemistry, Cambridge and the Biochemical Society, 1969, re arrangements for celebrating Peters's eightieth birthday.
- A.18 Letters of congratulation on the award of the British Nutrition Foundation prize, 1972.
- A.19 Correspondence re lunch in honour of Peters held at Trinity College, Oxford, 21 April 1979.
Includes a list of guests and regrets from those unable to attend.
- A.20 Letter from the Science Museum, London, 8 August 1980, re presentation by Peters of 2 resistances boxes.
- A.21 Miscellaneous photographs, some identified on verso.

Biographical and personal

A.22-A.41 MEMBERSHIP OF COMMITTEES, SOCIETIES, ORGANISATIONS

A.22 Membership lists for the Medical Research Council Accessory Food Factors Committee and its various Sub-Committees, n.d., c.1945-46.

Peters is listed as Chairman of the main committee, the Vitamin B Sub-Committee, Vitamin C Sub-Committee, Vitamin Claims Sub-Committee, and Sub-Committee for Post-War Opportunities for Research in Occupied Europe, and member of the Sub-Committee on Tables of Food Composition.

See Section C for correspondence and papers re the Vitamin B and Vitamin C Sub-Committees.

A.23 Letters of thanks at the conclusion of Peters's period of service on the Medical Research Council, September-October 1950.

A.24-A.37 Correspondence and papers, 1951-54, re the formation of the International Union of Biochemistry.

The material documents the progress of negotiations with I.C.S.U., I.U.P.A.C. and others in which Peters played an active part.

A.24 Correspondence, December 1951-June 1952.

Mainly copies of letters sent to Peters for information.

A.25 Correspondence, June-July 1952.

Mainly replies to a circular letter from Peters, 28 June 1952, to members of the Biochemical Society Committee re delegates to the International Committee for Biochemistry and the Section of Biological Chemistry of I.U.P.A.C.

A.26 Correspondence and papers, July 1952.

Mainly re arrangements for a meeting of the International Committee for Biochemistry with the Section of Biological Chemistry of I.U.P.A.C., Paris, 23 July 1952.

A.27 Draft minutes of meetings of the International Committee on 23 and 26 July, and minutes of a meeting of the Section of Biological Chemistry of I.U.P.A.C. on 23 July, sent to Peters by J.N. Davidson with accompanying correspondence, 21 August 1952.

Biographical and personal

- A.28 Correspondence with J.N. Davidson, L. Young and others, August-September 1952. Includes arrangements for a meeting of the International Committee with the Executive Board of I.C.S.U. (see A.29 below).
- A.29 'Notes on representations made to the Executive Board of the International Council of Scientific Unions (I.C.S.U.) by delegates from the International Committee of Biochemistry in Amsterdam on 30th September, 1952'.
4 pp. duplicated typescript by J.N. Davidson.
Correspondence commenting on the Amsterdam meeting is also included here.
- A.30 Correspondence and papers, October 1952.
Includes a letter from L.J. Harris re the International Union of Nutrition Sciences.
- A.31 Correspondence with M. Florkin and J.N. Davidson, November-December 1952, with a letter from Peters to A.V. Hill, 4 December.
Correspondence with Florkin includes an account of an informal meeting between Peters, A.V. Hill, R. Frazer and G.L. Brown to discuss proposals for an International Union of Biochemistry.
- A.32 Chairman's Agenda for meeting of the Biochemical Society Committee, 18 December 1952.
- A.33 Correspondence, December 1952-February 1953.
- A.34 Correspondence, March-May 1953.
- A.35 Correspondence, June 1953-January 1954.
re arrangements for the establishment of the International Union of Biochemistry, and the British National Committee for Biochemistry.
- A.36 Correspondence and papers, February-July 1954.
Includes draft answers to a questionnaire by M. Florkin re the activities of the International Union of Biochemistry.
- A.37 Miscellaneous circulars and printed matter.
- A.38 Brief correspondence, 1959, re membership of the Advisory Committee (on fisheries research) to the Development Commission.

Biographical and personal

- A.39 Natural Environment Research Council. Fisheries Biochemical Research Committee.
Correspondence re expenses for attendance at a meeting of the Committee, 1968.
- A.40 2 pp. ms. draft written by Peters in 1972 to describe his part in the origins of the International Biological Programme.
Folder also includes correspondence from E.B. Worthington (Scientific Director, I.B.P.) enclosing 8 pp. typescript note by C.H. Waddington on 'The Origin of I.B.P.'
- A.41 Brief correspondence, etc. arising from membership of other committees, societies and organisations, 1926-80.
Not indexed.

ADDITIONAL BIOGRAPHICAL MATERIAL

- A.42 'Sir Rudolph Peters interviewed for the Biochemical Society on 6th March 1981'
19 pp. typescript of interview containing reminiscences of Peters's career and scientific work at Cambridge and Oxford and during both World Wars. The interview was conducted by R.H.S. Thompson on behalf of the Biochemical Society and the Open University and this roughly edited transcript was kindly made available by him in June 1982 for incorporation into Peters's manuscript collection.

SECTION B

OXFORD UNIVERSITY, DEPARTMENT OF BIOCHEMISTRY
B.1 - B.24

Peters was elected to the Whitley Chair of Biochemistry in 1923 in succession to B. Moore. At that time the Biochemistry Department was accommodated in 3 rooms in the Department of Physiology, but Peters was asked to submit estimates for a new building with extended staff and facilities. This was duly completed in 1927 with the aid of a generous grant from the Rockefeller Foundation.

The following papers include Peters's first draft estimate and miscellaneous other correspondence re the new Biochemistry building and the further expansion of the Department in the 1930s, including various applications for grants towards the costs of staff and equipment.

Also included here is a set of notebooks (B.13-B.15) belonging to R.W. Wakelin who was Peters's technician during most of his time at Oxford.

The final item in this Section (B.24) is a speech delivered by Peters in 1966 containing historical reminiscences of the Oxford Department of Biochemistry.

- B.1 Ms. and typescript drafts of estimated cost of proposed new Department of Biochemistry, sent to Sir Archibald Garrod in February 1923.
- B.2 Letter from Sir Charles Sherrington, 12 February 1923, commenting on the estimates submitted to Garrod, with a letter from Peters to Sherrington, 19 March 1923, enclosing a further revised estimate and an outline of the proposed development of the Department of Biochemistry.
- B.3 3 letters from Garrod, March-September 1923, mainly re progress of negotiations with R.M. Pearce for a grant from the Rockefeller Foundation.

Oxford University, Department of
Biochemistry

- B.4 Ms. and typescript notes on the financial position of the Department of Biochemistry (one dated 7 October 1923), and brief correspondence with staff.
- B.5 3 letters from the Architect of the Biochemistry Department (H. Redfern), July and October 1924.
- B.6 Application from Peters to the Oxford University Chest for a grant of £75 to purchase a Super-Centrifuge, 24 November 1924.
- B.7 3 pp. typescript report on research in the Department of Biochemistry, n.d., c.1924-25.
- B.8 Undated ms. of letter addressed to 'All who have been engaged in the building of the new Rockefeller Laboratory', with a later annotation by Peters 'Letter which I had to write when a strike was threatened'.
- B.9 Letters from the Rockefeller Foundation, 1925-28. Includes requests for an article by Peters describing his new Department and arrangements for a visit to Oxford by R.M. Pearce.
- B.10 Table plan for Vice-Chancellor's Dinner on the occasion of the Opening of the School of Biochemistry, Oxford, 21 October 1927.
- B.11 Pages from a printed pamphlet describing the Biochemistry Department, with ms. and typescript corrections and additions, perhaps prepared for the Rockefeller Foundation (see B.9).
- B.12 Correspondence with the Medical Research Council re arrangements for various research grants, 1926-30.
- B.13-B.15 Notebooks of R.W. Wakelin, 1931-51.
Wakelin was Peters's technician at Oxford and published several collaborative papers with him, 1938-56. The notebooks include some entries in Peters's hand.
For Peters's own notebooks for this period see C.2, C.3.
- B.13 c. Spring 1931-4 October 1940
(in poor condition)
- B.14 8 October 1940-25 May 1945
- B.15 6 June 1945-September 1951

Oxford University, Department of
Biochemistry

- B.16 2 pp. ms. on 'Proposed constitution of new Biochemical departments (Nuffield)', n.d.
- B.17 Brief correspondence, 1935-36, re proposed extension to the Department of Biochemistry.
- B.18 Correspondence, 1937. Includes letters of application for a grant to S. Ochoa, and miscellaneous re funding, staff, equipment, etc.
- B.19 Correspondence with the Rockefeller Foundation, 1937-39, re various grants for research on brain metabolism at the Department of Biochemistry.
- B.20 Brief correspondence with A.D. Lindsay, 1938-39, re staff salary arrangements.
Folder also includes 3 pp. undated ms. notes re the Department of Biochemistry.
- B.21 Miscellaneous correspondence and notices re wartime administrative arrangements. Includes letter, 15 May 1940, in reply to suggestion by Peters that the roof of the Biochemistry Laboratory should be used for the mounting of an Anti-Aircraft gun.
- B.22 Brief correspondence, 1945, re establishment of Research Fellowship for the study of problems of brain metabolism in relation to nervous and mental disease.
- B.23 'Application for Grant for teaching post in Biochemistry of Microorganisms and Fermentations'.
2 pp. typescript, n.d.
- B.24 'Some historical remarks on the occasion of a dinner in Oxford in February 1966'.
Photocopy of 11 pp. typescript with 5 pp. addenda containing detailed reminiscences of the expansion of the Oxford Department of Biochemistry and the early work on vitamin B.
This item is included in the collection by kind permission of Dr. L.A. Stocken. The original is in the Department of Biochemistry, Oxford.

SECTION C VITAMINS AND NUTRITION C.1 - C.77

The material is presented as follows:

C.1 - C.45 Work on vitamin B, 1925-39

C.46- C.77 Wartime and Post-War work on nutrition

Peters became interested in vitamin B in the early 1920s and much of his early work in the Department of Biochemistry at Oxford was concerned with large-scale attempts to prepare vitamin B (thiamine) from yeast, and with studies of its nature and mode of action. This led him to the demonstration of a 'biochemical lesion' in the pyruvate oxidase system of pigeons suffering from vitamin B₁ deficiency.

Although by no means all the records of Peters's work during this period have survived, there are two notebooks (C.2, C.3) containing detailed accounts of experiments by Peters 1926 - 33 and further documentation is to be found in the notebooks of R.W. Wakelin in Section B.

During and after the Second World War, Peters served as Chairman of various Sub-Committees of the Medical Research Council Accessory Food Factors Committee, including the vitamin B and C Sub-Committees. The material in C.46 - C.77 consists mainly of correspondence and papers connected with this work (see also A.22, C.21 - C.23).

Later (i.e. post-1953) correspondence on vitamin B is in Section G.

Vitamins and nutrition

- C.1-C.45 WORK ON VITAMIN B, 1925-39
- C.1 'Animal Quinoidine'
- 21 pp. typescript draft with ms. corrections of paper
 published in Biochem. J., 19, 404 (1925).
- C.2 Blue hard-cover notebook containing records of experiments
 c. April-November 1926, with an index by Peters at the
 back of the book.
- 1 p. loose ms. notes is tucked inside the rear cover.
- C.3 Blue hard-cover notebook, labelled on spine 'Notes 1. R.A.P.'
- The pages, which are numbered 1-174, were originally
 loose-leaf notes on experiments which Peters evidently
 had bound at some later date. The notebook opens with
 some unpaginated notes on 'Problems' (March 1928) and
 'Revision of Problems' (August 1930) containing lists of
 experiments to be undertaken under headings such as
 'B₁ isolation', 'Birds' tests', 'Fermentation tests', 'Other
 sources of vitamin B'. Records of experiments run
 March 1927-October 1932 and October-December 1933
 and include evidence of Peters's early interest in Bence-
 Jones protein (p.40). The book ends with some brief
 notes for 1934.
- Some of the entries open with brief diary notes, often
 partly in shorthand, combining personal observations
 such as '1 May. Very sunny day tho' rather cold' (p.132)
 '12 April ... Camb. won boat race by 4 lengths' (p.129)
 with accounts of scientific work planned or in progress,
 attendance at meetings and conferences, visits to other
 laboratories, letters and publications read, etc.
- C.4 Undated ms. note describing work by Kinnersley and Peters
 on the anti-neuritic properties of Vitamin B.
- C.5 'Avian Polyneuritis, a Study of the Relation between Vitamin
 B₁ and the Metabolism of the Brain in the Pigeon. A thesis
 by A.P. Meiklejohn, Magdalen College, July 1933'. 25 pp.
 typescript.
- Offprint of a paper by Peters, Meiklejohn and others,
 1932, is also included in the folder.
- C.6 2 pp. typescript reviewing work on Vitamin B arising from a
 paper by Jansen and Donath in 1926. The typescript is headed
 'Prof. Robinson', n.d. c.1934.

Vitamins and nutrition

- C.7 Notebook containing records of patient treated with vitamin B tablets, 1936.
- C.8-C.15 Correspondence with hospital staff, general practitioners, and consultants re treatment of Pink Disease with vitamin B, 1934-39.

This correspondence was set aside by Peters from the rest of the vitamin B correspondence so it has been retained as a separate sequence. It is mainly concerned with arrangements for clinical trials with some case histories and comments on results. Many of the letters bear Peters's annotation 'PD' in the top right-hand corner.

The correspondence is arranged in alphabetical order.

C.8	Aubrey I.	1939
	Bell, A. D.	1937-38
	Braithwaite, J. V. C.	1935
C.9	Cruchet, R.	1935, 1939
	Garrett, E. B.	1938
C.10	Hospital for Sick Children, Great Ormond Street	1934-36
C.11	Hutchison, R.	1935
	Leys, D.	1938
	Moncrieff, A.	1935-36
	O'Reilly, J. N.	1935
C.12	Parsons, L. G.	1937-39
C.13	Radcliffe Infirmary, Oxford	1935-37
C.14	Radford, M. C.	1939
	Royal Waterloo Hospital, London	1936
	St. Thomas's Hospital, London	1935

Vitamins and nutrition

- C.15 Spence, J. C. 1935
 Wright, J. n.d.
 Folder also includes 1 p. ms. notes and printed
 matter re Pink Disease.
- C.16-C.45 General correspondence on Vitamin B, 1926-39
 In alphabetical order.
 Many of the letters bear Peters's annotation 'B'
 in the top right-hand corner.
- C.16 Aykroyd, W. R. 1935
 Enclosing report on League of Nations Second
 International Conference on Vitamin
 Standardisation.
- Bacharach, A. L. 1934-35
 Includes exchange re quality of rats supplied
 by Glaxo Laboratories.
- Banga, I. 1939
 Peters's carbon only, re arrangements for
 publication of collaborative papers.
- C.17 Barger, G. 1927, 1935-36
 re details of experimental methods and results.
- C.18 Barnett, H. M. 1936
 re formaldehyde-azo test for vitamin B.
- Bemax Vitamins Limited 1936
 Peters's carbon only.
- Bernal, J. D. 1933
 re analysis of vitamin B₁ crystals.
- Bertrand, 1936
 Peters's ms. draft and carbon only.

Vitamins and nutrition

- C.19 · Boyland, E. 1933
Includes comments on draft paper by Boyland.
- British Drug Houses Limited 1925, 1930
re supply of yeast extract.
- Buchman, E. R. 1938
re vitamin B₁ analogs.
- C.20 Cairns, H. W. B. 1938
- Carmichael, E. A. 1935-36
Mainly re clinical trials with vitamin B.
- C.21, C.22 Chick, H. 1926-37
The correspondence consists mainly of incoming letters to which Peters probably replied in manuscript. It includes exchanges of information and samples, comments on experimental results and material relating to meetings of the Medical Research Council Accessory Food Factors Committee of which Harriette Chick was Secretary.
- C.21 1926-30
Includes material re nomenclature of vitamin B constituents.
- C.22 1931-37
- C.23 Coward, K. H. 1933
re meeting of Accessory Food Factors Committee.
- Cramer, W. 1930
- Davies, W. 1935
Enclosing 4 pp. typescript on 'Flavine from Yeast. Large Scale operation with Frankonite'.
- Denny-Brown, D. 1937
Arrangements for clinical trial of vitamin B.
- Dey, A. 1935-36

Vitamins and nutrition

- | | | |
|------|---|---------------|
| C.24 | Dhéré, C. | 1936 |
| | Drummond, J. C. | 1934 |
| | Dudley, H. W. | 1934 |
| | Durand, J. I. | 1939 |
| C.25 | Fairley, N. H. | 1938 |
| | <u>re</u> tropical sprue. | |
| | Gavrilescu, N. | 1931-32, 1937 |
| | <u>re</u> experimental results and preparation of papers for publication. | |
| | Gibson, A. C. | 1929 |
| | Enclosing data on pigeons' hearts. | |
| | Graham, G. | 1937 |
| | <u>re</u> clinical trial of vitamin B. | |
| C.26 | Granit, R. | 1938 |
| | <u>re</u> lactoflavine. | |
| | György, P. | 1933, 1934 |
| | Halliday, M. | 1933 |
| | Harden, A. | 1930 |
| | Hardy, W. B. | 1930 |
| C.27 | Harris, L. J. | 1934, 1937 |
| | Hartfall, S. J. | 1934 |
| | Heard, R. D. | 1933 |
| | Peters's ms. draft only. | |
| | Herbert, F. K. | 1936 |
| | Heyroth, F. F. | 1935 |

Vitamins and nutrition

- C.28 Hobson, F. G. 1938
 Arrangement for clinical trial of vitamin B.
- Hobson, R. P. n.d.
 re samples and methods for vitamin B experiments.
- Hoffman-La Roche & Company 1936
 re supply of lactoflavine.
- Hogan, A. G. 1936
 re vitamin B₄.
- Holiday, E. 1936
- C.29 Hurst, A. F. 1936-37
 re various clinical trials with vitamin B.
- C.30 Innes, F. R. 1939
- Jansen, P. C. C. 1930
 Comparison of experimental results. Includes
 a letter from J.L. Drummond re possible
 visit to Jansen in Amsterdam.
- Johnson, R. E. 1936
- C.31 Kjerrman, B. 1936
 re vitamin B. concentrate.
- Knight, 1935
 Peters's carbon only.
- Kogl, F. 1935-36
- Kon, S. K. 1937
 Peters's carbon only, re International Unit
 for vitamin B₁.

Vitamins and nutrition

- | | | |
|------|--|---------|
| C.32 | Kuhn, R. | 1935 |
| | <u>re</u> thiochrome. | |
| | Lohmann, K. | 1937 |
| | Comparison of experimental methods and results. | |
| | McMullan, G. | 1936-37 |
| | <u>re</u> clinical trial of vitamin B. | |
| C.33 | Macrae, T. F. | 1938 |
| | (Secretary, Vitamin B ₁ Sub-Committee of the
Accessory Food Factors Committee) | |
| | Includes copy of memorandum on 'Proposed
Adoption of Pure Synthetic Vitamin B ₁ (Aneurin)
Hydrochloride as International Vitamin B ₁
Standard'. | |
| | Martin, C. J. | 1926 |
| | Comparison of experimental methods and results. | |
| | Mellanby, E. | 1935 |
| C.34 | Merck, E. | 1938 |
| | Middlesex Hospital, London | 1936 |
| | <u>re</u> vitamin B ₂ . | |
| | Moncrieff, A. | 1938 |
| | <u>re</u> clinical trial of vitamin B. | |
| | Moore, C. U. | 1933 |
| | Moore, D. F. | 1939 |
| | <u>re</u> use of B vitamins in the treatment of
pellagra. | |

Vitamins and nutrition

- | | | |
|------|--|------------|
| C.35 | Napp, H. R. | 1936 |
| | Needham, J. | 1936 |
| | Norris, L. C. | 1931 |
| | O'Brien, J. R. P. | 1933 |
| | Reports on work in progress during Peters's
absence from the Department of Biochemistry. | |
| | Ogston, A. G. | 1935, n.d. |
| | <u>re</u> work on thiochrome. | |
| C.36 | Passmore, R. | 1936 |
| | Peters, A. E. | 1935, 1939 |
| | (Peters's father) | |
| | <u>re</u> clinical trials of vitamin B. Includes personal
correspondence, family news, etc. | |
| | Platt, B. S. | 1936, 1938 |
| | Prener, S. | 1935 |
| | <u>re</u> chemical test for vitamin B. | |
| C.37 | Reader, V. | n.d. |
| | Rosedale, J. L. | 1935-36 |
| | <u>re</u> methods for extraction of pure B ₁ concentrate. | |
| | Rydin, H. | 1934-36 |
| | Includes arrangements to work in Peters's laboratory. | |
| | St. Johnstone, H. | 1936 |
| C.38 | Schopfer, W. H. | 1935 |
| | Seidell, | 1933 |
| | Peters's ms. drafts only. | |
| | Selfridge, G. | 1936 |
| | Smith, M. I. | 1933 |

Vitamins and nutrition

- | | | |
|------|---|------------|
| C.39 | Sure, B. | 1935 |
| | Surrey County Council | 1936 |
| | <u>re</u> clinical trial of vitamin B ₁ . | |
| | Thomas, G. | 1937 |
| | Todd, A. R. | 1936 |
| | <u>re</u> experiments with synthetic vitamin B preparations. | |
| C.40 | Ungley, C. C. | 1935-38 |
| | <u>re</u> clinical trials of vitamin B ₁ and estimation of blood pyruvates in cases of polyneuritis. | |
| | Includes typescript of paper presented to the Association of Physicians (1936) on 'Polyneuritis in a case of Pernicious Anaemia: treatment with vitamin B ₁ parenterally'. | |
| C.41 | Van Veen, H. | n.d. |
| | Verzár, F. | 1933, 1937 |
| | Requests for samples for experiments, comments on methods and results. | |
| | Von Euler, H. | 1934 |
| | Request for samples for experiments. | |
| | Vorhaus, M. G. | 1937 |
| C.42 | Wagner-Jauregg, T. | 1933 |
| | <u>re</u> experimental methods and results, exchange of samples. | |
| | Warburg, O. | 1937 |
| | Westenbrink, H. G. K. | 1937 |
| | Account of work undertaken following a visit by Peters to Amsterdam. | |

Vitamins and nutrition

- C.43 Williams, R. R. 1930-38
Comments on experimental results and publications.
Correspondence 1930 is re nomenclature of vitamin B.
Correspondence 1934 is mainly re vitamin B₃.
- C.44 Witts, L. J. 1937
Arrangement for clinical trial of vitamin B.
- Wood, I. n.d.
Arrangement for clinical trials of vitamin B.
- Yuille, D. F. 1936
Request for information re commercial vitamin B preparations.
- C.45 Illegible signatures. Miscellaneous ms. and typescript notes are also included in the folder.

Vitamins and nutrition

C.46-C.77 WARTIME AND POST-WAR WORK ON NUTRITION

Much of this work was done under the auspices of the Medical Research Council Accessory Food Factors Committee and its various sub-committees.

The following papers consist of correspondence, committee papers and reports on nutrition, 1940-53.

C.46-C.50 Correspondence, 1940-42

In alphabetical order.

- C.46 Chick, H. 1941, n.d.
re arrangements for experiments to determine the vitamin B content of National Flour.
- Dixon, M. 1940
- Drummond, J. C. 1940
re organisation of wartime nutrition research.
- C.47 Harris, L. J. 1940-42
Includes correspondence re methods of determining vitamin B content in flour and bread.
- C.48 Kon, S.K. 1940
re organisation of wartime nutrition research.
- Macrae, T. F. 1941
(Secretary, Accessory Food Factors Committee, Vitamin B Sub-Committee)
re arrangements for tests to determine the nutritional effects of yeast.
- C.49 Magee, H. E. 1941
re arrangements for tests to determine the nutritional effects of yeast.
- Moore, D. F. 1940
- Moran, T. 1940
Peters's carbon only.

Vitamins and nutrition

- C.50 · Vigor, H. D. 1941-42
(Chairman, Flour (Vitaminisation) Advisory Committee)
- Zilva, S. S. 1941
re effect of cooking methods on vitamin C loss in potatoes.
- C.51 'Interim Report on Heythrop College Nutritional Trial'
2 pp. typescript by F.L. King, R.A. Peters and H.M. Sinclair, n.d., c.1942.
2 letters referring to this report, August and September 1951, are also included in the folder.
- C.52 'The Vitamin B₁ Content of National Flour and Bread - the Results of Comparative Tests by Various Methods'.
Report of the Vitamin B₁ Sub-Committee, published in Biochem. J., 37, 3 (1943). Offprint.
Miscellaneous notes and data associated with the preparation of the report are also included in the folder.
- C.53 'Memorandum on the British National Standard for Vitamin B₁'
Duplicated typescript, September 1943.
Correspondence arising from the Memorandum with the Secretary, British Pharmacopoeia Commission, 1944-45, is also included in the folder.
- C.54 Agenda, minutes, etc. for meetings of the Vitamin B Sub-Committee on 14 December 1943 and 10 January 1944.
A letter from the Secretary (T.F. Macrae), 26 February 1944, is also included here.
- C.55 Correspondence with S.K. Kon (Acting Secretary in the absence of T.S. Macrae), March-May 1944. Includes arrangements for a meeting of the Vitamin B Sub-Committee, 16 May 1944.
- C.56 Correspondence with S.K. Kon re arrangements for a meeting of the Vitamin B Sub-Committee with other participants in collaborative assays of riboflavin in samples of food-stuffs, 1 June 1944.
Minutes and reports arising from the meeting are also included in the folder.

Vitamins and nutrition

- C.57 'Human Nutrition in War-Time'
1 p. typescript outline of memorandum 'to outline contribution of science of nutrition to success of war-time food policy', with annotation 'copy handed to Prof. Peters, 22 Mar. '44'.
- C.58 'Case History Relating to Suggested Vitamin B Deficiency. (Cambridge Hospital, Aldershot)'
Folder containing correspondence re 2 case histories, 1944-45
- C.59 Correspondence with S.S. Zilva, 1944-45.
Mainly re vitamin C requirements.
An undated note from E. Holiday re aneurin is also included here.
- C.60 Correspondence with T.F. Macrae, June 1944-March 1945.
Includes draft minutes of a meeting of the Vitamin B Sub-Committee, 18 January 1945.
- C.61 1 p. typescript by Peters on 'Proposed Nutritional Trial', 26 April 1945.
- C.62 Correspondence with S.K. Kon, April 1945, re supply of casein for vitamin B tests.
- C.63 Minutes, correspondence and other related papers for meetings of the Vitamin B Sub-Committee, July 1945-May 1946.
- C.64 Ms. and typescript drafts outlining the wartime activities of the Vitamin B Sub-Committee, n.d.
- C.65 'Estimation of B Vitamins in Dried Yeast, Dried Beef, Skimmed Milk Powder and 85% Extraction Flour'
30 pp. duplicated typescript containing a summary of results of collaborative experiments organised by the Vitamin B Sub-Committee. The title page is headed 'Draft No.1', n.d.
A letter from S.K. Kon, 12 September 1951, is also included in the folder.

Vitamins and nutrition

- C.66-C.76 Correspondence and drafts exchanged with members of the Vitamin C Sub-Committee and others, 1948-53, re preparation of report on 'Vitamin C Requirements of Human Adults'.
- C.66 'Vitamin C Requirements of Human Adults. An Experimental Study of Vitamin C Deprivation in Man. Preliminary Report'
20 pp. duplicated typescript with several ms. annotations and corrections, 1948.
- C.67 Correspondence, January-May 1948.
Includes minutes of meetings on 12 February and 11 March.
- C.68 Correspondence, June-September 1948.
Includes draft lay-out for the final report with schedule of chapter headings, authors, etc.
- C.69 Correspondence, March-November 1949.
- C.70 Correspondence, July-December 1950.
- C.71 Correspondence, January-November 1951.
- C.72 Correspondence, January-February 1952.
- C.73 Correspondence, April-May 1952.
- C.74 Correspondence and papers, June 1952.
Includes minutes of meeting on 10 June, and reports, etc. re the Vitamin C intake of children under 5.
- C.75 Correspondence and papers, July-December 1952.
Includes 2 typescript drafts, 8 pp. and 2 pp. headed 'Introduction. Previous Trials' and 'Vitamin C Trial'.
- C.76 Correspondence, January-May 1953.
- C.77 Ms. letter from H. Chick, 15 May 1956, re the future of the Accessory Food Factors Committee.

SECTION D BRITISH ANTI-LEWISITE D.1 - D.29

The material is presented as follows:

- D.1 -D.19 Research reports, drafts, lectures, c.1939-50
- D.20-D.27 Correspondence on BAL and related research, 1940-67
- D.28, D.29 Reports and papers on mustard gas.

With the outbreak of the Second World War, Peters was invited by the Ministry of Supply to engage in research on the medical aspects of defence against chemical weapons. He therefore organised a small group of workers whose investigations led to considerable information about the action of mustard gas and to the discovery of British Anti-Lewisite (BAL). The initial members of this team were H.M. Sinclair and R.H.S. Thompson (working on arsenicals) and E. Holiday, A.G. Ogston, J.St.L. Philpot, L.A. Stocken and R.W. Wakelin (on mustard gas). Wakelin's notebooks for this period are to be found in Section B.

In the later years of the war, work was also done on burns, but most of the surviving material from this period relates to BAL.

British anti-Lewisite

- D.1-D.19 RESEARCH REPORTS, DRAFTS, LECTURES, c.1939-50
- D.1 'Arsenic compounds and -SH groups'
- 4 pp. typescript with ms. note by Peters 'Copy of document prepared for Sir R[obert] Robinson early in the war'. The typescript is dated 6 October 1939 and contains a review of previous work on arsenic compounds with a brief discussion of future research plans.
- An earlier draft of the typescript with related ms. notes is also included in the folder.
- D.2 pp.24-36 of a lecture or paper on BAL. Typescript with ms. corrections, n.d.
- Folder also contains a few unnumbered pages which were found with the above.
- D.3 2 research reports on BAL by members of the Department of Biochemistry, Oxford, as follows:
- 'The Antidotal Activity of BAL against Therapeutic Compounds of Antimony, Gold and Mercury', by V.P. Whittaker. 7 pp. duplicated typescript, September 1945.
- 'The use of BAL in the treatment of mercury poisoning', by L.A. Stocken. 4 pp. duplicated typescript, October 1945.
- D.4 'Sulphydryl compounds as antidotes to the toxicity of mercury compounds'.
- Ms. draft written for publication in The Lancet, 1946.
- Brief correspondence from the Assistant Editor is also included in the folder.
- D.5 'The Treatment of Arsenical Dermatitis with Dimercaptopropanol (BAL). A report to the Medical Research Council', by A.B. Carlton, R.A. Peters and R.H.S. Thompson.
- 37 pp. duplicated typescript, n.d. c.1947.
- D.6 'B.A.L. Prof. R.A. Peters, Dr. L.A. Stocken and Dr. R.H.S. Thompson (delivered by Professor Peters)'
- 8 pp. typescript + figures. The title page of the lecture bears the date 'Mar. 19' but no indication of the year.

British anti-Lewisite

- D.7 'The development of British anti Lewisite and its scientific interest for biochemistry'
16 pp. typescript with ms. corrections and additions, n.d., but with a note on the title page 'Italy and Norway in March'.
- D.8 'Lecture II. The Arsenical lesion and its antidote'
24 pp. typescript, n.d.
- D.9 'La lesione biochimica nell' intossicazione arsenicale e la B.A.L.'
15 pp. typescript for lecture in Italian, n.d.
- D.10 Miscellaneous ms. notes and data on BAL, mostly undated.
- D.11-D.18 Copies of research reports from other laboratories sent to Peters for information, 1946-50 and n.d.
See also D.21, D.23
- D.11 'The Toxicity of DTH', by E.C. Webb and Ruth van Heyningen.
8 pp. typescript, n.d. c.1941, with a ms. note 'Unofficial copy, minus figs.'.
- D.12 'Bal-Intrav: a new non-toxic thiol for intravenous injection in arsenical poisoning', by J.F. Danielli, Mary Danielli, P.D. Mitchell, L.N. Owen and G. Shaw.
12 pp. duplicated typescript, n.d. c.1944.
- D.13 'Prevention of Mapharside Poisoning by Balintrav in Mice', by M. Weatherall.
15 pp. duplicated typescript, January 1946.
- D.14 'Iodine Titration and Toxicity of Balintrav Solutions', by M. Weatherall.
5 pp. duplicated typescript, 1946.
- D.15 'The comparative Efficacy of BAL, $\text{Na}_2\text{S}_2\text{O}_3$ and NaI against Thallium Acetate Poisoning in Rabbits', by B.P. McNamara and F.H. Hopkins.
5 pp. printed report, 3 May 1946.
- D.16 'A new Method for the Determination of 1.2 Dithiols', by W.N. Aldridge.
20 pp. duplicated typescript + 2 pp. figures, 24 June 1946.

British anti-Lewisite

- D.17 'BAL in Antimony Intoxications', by D.A.W. Rittey.
8 pp. duplicated typescript, January 1950.
- D.18 'Communiqué du Ministère du Travail et de la Prévoyance
Sociale aux Membres du Corps Médical Belge concernant
L'Intoxication Professionnelle par L'Hydrogène Arsénié'.
19 pp. duplicated typescript with ms. note '1950'.
- D.19 Miscellaneous offprints and press-cuttings re various aspects
of BAL, 1946-51.

British anti-Lewisite

- D.20-D.27 CORRESPONDENCE ON BAL AND RELATED RESEARCH,
1940-67
- D.20 Albert, A. 1955
 Includes note from N.V. Sidgwick.
- Arvy, L. 1952
- D.21 Bacq, Z. M. 1951
 re Mel B (a product of the interaction of
 Melarsen Oxide and BAL).
 Also included here is a typescript by Bacq and
 others on 'Action du B.A.L. sur les accidents
 ophthalmiques de la thérapeutique à la tryparsamide',
 headed 'To be read at the Royal Belgian Academy of
 Medicine, September 1948'.
- D.22 Berner, E. 1950
- Cahn, R. S. 1952
 re nomenclature.
- Cameron, G. R. 1945-46
- Findlay, H. T. 1948
- D.23 Friedheim, E. A. H. 1949
 Includes copies of reports by Friedheim and
 others on compounds introduced by Friedheim
 including Mel B (see also D.21, D.27).
- D.24 Gibson, C. S. n.d.
 Part of letter only.
- Green, J. H. 1950, 1951
 re reference to BAL in the Official Medical
 History of the War.
- Harrison, K. n.d.
 re use of BAL against Mapharside poisoning.

British anti-Lewisite

D.25	Keilin, D. (Peters's carbon only)	1940
	Mellanby, E.	1948
	Miller, H. <u>re</u> use of BAL in treatment of muscular sclerosis.	1967
	Moureau, P.	1950, 1952
D.26	Stocken, L. A.	1955, 1961
	Tahourdin, P. A. <u>re</u> wider therapeutic use of BAL.	1953
	Thompson, R. H. S.	1953
	Uffelman, F. B. <u>re</u> publication of work on BAL.	1946
D.27	Waugh, G. D. <u>re</u> treatment of copper tainted oysters with BAL.	1961-62, 1964
	(Signature illegible) <u>re</u> Mel B.	1951

British anti-Lewisite

D.28, D.29 · REPORTS AND PAPERS ON MUSTARD GAS

D.28 'Skin Proteinase and Mustard Gas', by A. Beloff, R.A. Peters and R.W. Wakelin.

Duplicated typescript report, July 1945.

2 pp. typescript by A. Beloff, 27 February 1945, entitled 'Report on the Protease Activity of Sheep Skin' is also included in the folder.

D.29 'The Chemical Reactions of Mustard Gas in aqueous solution'.

12 pp. typescript by A.G. Ogston, n.d. c.1946.

SECTION E F COMPOUNDS AND OTHER LATER RESEARCH E.1 - E.84

The material is presented as follows:

- E.1 -E.41 Laboratory records, drafts, data, 1952-74
E.42-E.84 Correspondence, 1948-77

The work on F compounds (in particular the biochemical mechanism involved in fluoroacetate poisoning) began after the Second World War as an extension of Peters's continued interest in toxicological problems. It was continued in Cambridge after his move to the Agricultural Research Council Animal Physiology Unit at Babraham in 1954, and remained his chief research interest until the end of his working life. During the 1960s he also collaborated with J.M. Walshe in a study of the mechanisms of copper toxicity for the brain enzymes.

Peters's experimental work for this period is well documented with an extensive series of laboratory notes and records. There are also some substantial sequences of correspondence as, for example, E.42-E.46 (R. Allcroft), E.51- E.56 (P. Buffa), E.72, E.73 (L.R. Murray).

- E.1-E.41 LABORATORY RECORDS, DRAFTS, DATA, 1952-74
- E.1 Bundle of loose-leaf records of experiments, mainly 1952-54. This represents Peters's last work at the Department of Biochemistry, Oxford, before his retirement in 1954.
- E.2 Dark green loose-leaf binder containing laboratory notes. The index at the front of the binder lists 5 series of experiments, but only no.3 'Guinea pig Kidney Experiments' and no.4 'In Vivo Experiments on Rats' now remain in the binder (but see E.3 below).
- Entries date from 1955-62.

F compounds and other later research

- E.3 Bundle of laboratory notes, some of which were originally contained in the binder at E.2 above. The notes are divided and labelled as follows:
- '5. Pigeon Brain Experiments' (1955-57, 1959, 1961)
 - '1. Sheep Heart Experiments' (1955)
 - '2. Rat and Guinea Pig Heart Experiments' (1955)
 - 'Pyruvate Experiments' (1958)
 - 'Miscellaneous Animal Experiments / Miscellaneous Experiments and Methods' (1955-58)
- E.4 Bundle of laboratory notes from a loose-leaf binder, 1955-59, 1962
- E.5 Bundle of laboratory notes from a loose-leaf binder, 1956-58
- E.6 Envelope containing loose laboratory notes labelled 'Rat results (antidote) to end of 1959'. Records of experiments date from February 1957.
- E.7 Bundle of laboratory notes from a loose-leaf binder, 1957.
- E.8 Small notebook labelled 'Citric Acid Determinations' containing experimental data, 16 September 1957-30 May 1958.
- E.9 Similar notebook labelled 'Citric Dets.', containing experimental data, 18 September 1958-16 November 1959.
- E.10 Similar notebook labelled 'Citrates' containing experimental data 16 October 1957-12 September 1958.
- E.11 Similar notebook labelled 'Aconitase Experiments I' containing experimental data 15 September 1958-13 February 1959.
- E.12 'Aconitase Experiments II', 16 February 1959-28 May 1959.
- E.13 'Aconitase III', 15 June 1959-24 November 1959.
- E.14 Envelope containing bundles of laboratory notes in Peters's hand, 1959-66.
- E.15 'Report for 1961/62'
- 1 p. typescript account of research, lectures, publications, etc., dated 11 October 1962.

F compounds and other later research

- E.16 Bundle of laboratory notes, 1962-64.
Includes a long series of experiments with Acacia georginae (Gidyea).
- E.17-E.19 Laboratory notes and drafts re work on Acacia georginae, c.1964-66. These were originally contained in a single envelope, but they have now been split up into 3 units for ease of reference. The original envelope bearing Peters's annotations is now at E.19.
- E.17 Records of chromatography, with some related ms. notes and drafts and a letter from D.J. Silvester re supply of ^{18}F , 4 December 1964.
- E.18 Bundles of laboratory notes, 1965-66 by M. Shorthouse, some with annotations by Peters.
- E.19 'Experimental attempts to delineate the path for the synthesis of the C-F bond in Acacia georginae'
7 pp. ms. draft, n.d. This has been left in Peters's original envelope, accompanied by a few more fragmentary drafts.
- E.20 Bundle of laboratory notes, January-November 1965, contained in an envelope labelled 'Pyruvate kinate etc. experiments'.
- E.21 Miscellaneous loose laboratory notes, c.1965-68, including some in Peters's hand; contained in an envelope labelled 'Important sheets. Older work'.
- E.22 Miscellaneous notes by Peters and others, some dated 1966.
- E.23 Laboratory notes, 1966 and n.d., contained in an envelope labelled 'Microsomal membranes'.
- E.24 Small bundle of laboratory notes, 1967, labelled 'Ghosts with Dr. [J.M.] Walshe'.
- E.25 Bundle of laboratory notes, December 1967-March 1968, re experiments with brain microsomes.
- E.26 2 small bundles of laboratory notes, 1968 and n.d., contained in an envelope labelled 'Peterborough grass'.
- E.27 Miscellaneous data, mainly 1968.

F compounds and other later research

- E.28 Bundles of laboratory notes, mainly in Peters's hand, 1968-69, contained in an envelope labelled 'DK Analysis'.
- E.29 'Aconitate hydratase; some new observations with especial relation to its use as a test system for fluorocitrate, together with studies on the electrophoretic separation of components of the crude enzyme', by R.A. Peters and M. Shorthouse.

Photocopy of typescript draft for paper published in Biochim. Biophys. Acta, 220 (1970).
- E.30 Background material for E.29 above.

Includes drafts for correspondence with publishers re corrections, ms. notes, data, lists of references, etc.
- E.31 Envelope labelled 'New experimental details' containing laboratory notes, 1970-71 (some in Peters's hand) and 1 p. ms. draft headed 'The reactions of some thiols with CF compounds and their significance'.
- E.32 Envelope labelled 'Rats, expts. for [vivisection] returns' containing laboratory notes in Peters's hand, 1970-71, 1975.
- E.33 Envelope labelled 'Important oddments connected with F cit. Analysis. F cit in tea' containing laboratory notes, 1970, 1971.
- E.34 Envelope labelled 'F cit in bone. Heroin results' containing laboratory notes, 1972, and 1 p. ms. draft headed 'Fluorocitrate and bone'.
- E.35 Small notebook labelled '26/1/71 Weighing Book'.
- E.36 Envelope labelled 'Some later results' containing laboratory notes and graphs, 1972-73.
- E.37 Envelope labelled '-SH results' containing laboratory notes, June-July 1973.
- E.38 Envelope containing further laboratory notes, June-July 1973.

F compounds and other later research

E.39-E.41	Miscellaneous loose ms. notes, drafts and data, 1950-74 and n.d.
E.39	1950-69
E.40	1971-74
E.41	n.d.

F compounds and other later research

E.42-E.84

CORRESPONDENCE, 1948-77

In alphabetical order.

E.42-E.46

Allcroft, R.

1963-68

Correspondence, notes, drafts and laboratory records re investigation of a case of fluoroacetamide poisoning at a farm in Smarden, Kent.

See also E.50, E.62

E.42

Bundle of ms. notes on laboratory tests conducted by Peters, September-October 1963, some headed 'Mrs Allcroft'.

1 p. typescript with ms. note by Peters 'Results from Mrs Allcroft ?1963'.

E.43

Ms. and typescript drafts for 'Report upon material supplied by Mrs R. Allcroft O.B.E.', n.d. [1963].

E.44

Correspondence, December 1963-September 1964, including copy of report on investigation into the poisoning incorporating Peters's results, and 2 letters from E.W. Bentley.

E.45

Correspondence, 1965-67. Includes 1 p. typescript note by Allcroft on 'Effect of fluoroacetamide on testicular germinal epithelium'.

E.46

Correspondence, June-September 1968. Includes drafts for 2 papers on fluoroacetamide poisoning for publication in the Veterinary Record.

E.47

Armstrong, W. D.

1967

re use of F¹⁸ in experiments.

Backholer, J. R.

1977

Bacq, Z. M.

1948-52

Several letters re various aspects of work on F compounds and other related research.

Balázs, R.

1963

F compounds and other later research

- | | | |
|-----------|--|------------|
| E.48 | Bartley, W. | 1968 |
| | Beaconsfield, P.
<u>re</u> work on drug addiction. | n.d. |
| | Bell, T. N. | 1967 |
| E.49 | Binns, H. R.
<u>re</u> genus <u>Dichapetalum</u> . | 1957 |
| | Birks, F. T. | 1953 |
| | Boyland, E.
Includes copy of typescript <u>re</u> toxicity of a pesticide produced by the Nippon Soda Co. Ltd., October 1968. | 1967-68 |
| | Brady, R. O. | 1955, 1957 |
| E.50 | Bremer, J. | 1966 |
| | Brentnall, E. W.
<u>re</u> methods for detection of <u>fluoroacetamide</u> poisoning.
See also E.42-E.46, E.62. | 1964 |
| | Brown, R. | 1955, 1965 |
| E.51-E.56 | Buffa, P.
Buffa worked for a time in the Department of Biochemistry, Oxford, and continued to maintain close contact with Peters after his return to Italy in July 1950. They published several collaborative papers on fluoroacetate poisoning from 1949 onwards.
The correspondence is extensive, much of it containing detailed descriptions of experiments and interpretation of results. Incoming letters predominate, as Peters's replies would often have been in manuscript, but there are a few letters from Peters in the sequence.
The material has been divided into several folders for ease of reference. | 1949-69 |

F compounds and other later research

- E.51 . 1949-50
- Buffa's letters only, apart from 1 ms. draft by Peters, July 1950, almost all written from the Department of Biochemistry, Oxford, during Peters's absence on holiday or lecture tours, and describing work in progress. Letter of 18 March 1949 encloses draft for note to Nature by Buffa and Peters; letter of 28 July 1950 follows Buffa's return to Italy.
- E.52 1951-53
- E.53 1960-62
- E.54 1964-65
- E.55 1966-67
- Includes arrangements for Peters to lecture in Modena, March 1967.
- E.56 1968-69
- E.57 Burgstahler, A. W. 1966
- re American Society for Fluoride Research
(later the International Society for Fluoride Research) including invitation to Peters to join the Board of Directors.
- Also includes 1 p. typescript describing Peters's work with M. Shorthouse and others on fluoride metabolism in Acacia georginae with a list of publications to August 1966.
- Carmichael, E. A. 1951
- re Dichapetalum toxicarium.
- Cheesman, E. E. 1955
- Chenoweth, M. B. 1952-53, 1967
- E.58 Coman, B. J. 1977
- Corkey, B. E. 1969
- (Peters's carbon only)
- Coventry, J. E. C. 1960
- re Dichapetalum cymosum.
- Crawford, M. 1960
- re Dichapetalum cymosum.

F compounds and other later research

- | | | |
|------|---|------------|
| E.59 | Dagley, S. | 1955 |
| | Davies, D. D. | 1954 |
| | De Oliveira, M. M. | 1967-68 |
| | <u>re supply of seeds of <u>Palicourea marcgravii</u>.</u> | |
| | Dyer, R. A. | 1959, 1961 |
| | <u>re supply of <u>Dichapetalum cymosum</u>.</u> | |
| E.60 | Emeleus, H. J. | 1967 |
| | (Peters's carbon only) | |
| | Ennor, A. H. | 1953 |
| | Fell, H. B. | 1958 |
| | Enclosing 3 pp. typescript 'Résumé of Experiments on the Toxic Effects of Methyl Fluoroacetate, 1943-44'. | |
| | Folkes, B. | 1953 |
| E.61 | Fowden, L. | 1965 |
| | Friedmann, H. C. | 1950 |
| | Games, W. | 1968 |
| | (Peters's carbon only) | |
| | Garattini, S. | 1968 |
| | (Peters's carbon only) | |
| | <u>re collaborative research.</u> | |
| | Getz, G. L. | 1953 |
| E.62 | Goldman, P. | 1965, 1969 |
| | Good, F. D. T. | 1964 |
| | Includes drafts of article on 'Pesticides and the Swarden Affair'. | |
| | See also E.42-E.46, E.50. | |
| | Grant, P. T. | 1960 |
| | Greenway, P. J. | 1957 |
| | <u>re distribution of the genus <u>Dichopetalum</u> in East Africa.</u> | |

F compounds and other later research

E.63, E.64	Hall, R. J.	1964, 1967-73
E.63	Correspondence, 1964-73, mainly <u>re</u> methods of fluoride analysis. Includes detailed comments by Peters on a draft paper by Hall, now at E.64.	
E.64	2 typescript drafts and final version of paper by Hall on determination of fluorine compounds in biological materials.	
E.65	Haves, C. S.	1950
	Hebb, C.	1970
	<u>re</u> use of toxic stabilisers in plastics manufacture.	
	Hele, P.	1954
	Hoare, D. S.	1962
E.66	Kent, P. W.	1955, 1962, 1974
	Koenig, H.	1965, 1968-69
	Kun, E.	1963, 1965, 1978
	Kuzemko, J. A.	1969
	Lewis, G.	1968-69
E.67	Liebecq, C.	1948-50
	Mainly comments on experimental results and publications.	
E.68	Little, M. F.	1968
	Long,	1966
	Macara, T. J. R.	1966
	<u>re Palicourea marcgravii.</u>	
	McFarlane, A. S.	1948-49
	<u>re</u> supply of samples for experiments. See also E.78 (Saunders)	

F compounds and other later research

- E.69 McIlwain, H. 1965-66
re experiments to examine the action of copper on brain tissue. Includes typescript draft by Peters on 'A Study of the Toxic Action of Copper on Brain Tissue in vivo and in vitro'.
- E.70 Maizels, M. 1951
Meyer, H. 1967
(Peters's carbon only)
Miles, A. 1967
(Peters's carbon only)
Miller, G. W. 1972, 1977
Mills, C. F. 1969
re Symposium on Trace Element Metabolism in Animals, Aberdeen, July 1969.
- E.71 Mitchell, P. 1960, 1962-63
Includes arrangements for Peters to open British Biophysical Society Meeting, Edinburgh, April 1962.
Morrison, J. F. 1959, 1968
Muir, A. 1952
- E.72, E.73 Murray, L. R. 1962, 1965-67
E.72 Correspondence 1962 re arrangements for Murray to spend a year at the Department of Biochemistry, Cambridge. Includes domestic arrangements and discussion of scientific work to be undertaken (on Gidyea - Acacia georginae).
E.73 Correspondence, 1965-67, including accounts of experimental work in progress and comments on results.
- E.74 National Pure Water Association 1967
re fluoridation of public water supplies.
Netter, K. J. 1967
Nimmo, I. A. 1974
re effects of fluoroacetate and fluorocitrate on fish.
Noguchi, T. 1969

F compounds and other later research

- E.77 (Cont'd.) Sapiro, M. L. 1964, 1968
re Dichapetalum stuhlmanni.
- E.78 Saunders, B. C. 1949-53
re preparation of carbon-labelled sodium
fluoroacetate.
See also E.68 (McFarlane)
- Shorthouse, M. 1955-69
Various letters written from the Department
of Biochemistry, Cambridge, during Peters's
absence abroad, containing reports on experi-
mental work in progress.
- Siesjö, B. K. 1964
- Simonsen, J. L. 1952-53
- Simpson, A. C. 1964, n.d.
re fluoroacetamide poisoning.
- E.79 Smith, F. G. 1969
re evidence for honey bee deaths from
fluoroacetate.
- Smith, M. J. H. 1962
- Stoner, H. B. 1956
- Suttie, J. W. 1969
(Peters's carbon only)
- Taves, D. R. 1968
- E.80 Thomas, L. C. 1953, 1968-69
Correspondence 1953 includes draft for letter
to Nature, by Peters, Thomas and others.
Correspondence 1968-69 is re collaborative
work on Acacia georginae.

F compounds and other later research

- | | | |
|------|---|------------|
| E.81 | Treble, D. H. | 1968 |
| | Van Heyningen, R. | 1952 |
| | Verney, E. B. | 1952 |
| | Wakelin, R. W. | 1950, 1954 |
| | 1954 letter is <u>re</u> Peters's move to Cambridge. | |
| | Ward, P. F. V. | 1968 |
| | Includes 4 pp. typescript draft on metabolism of fluoroacetate by plants. | |
| E.82 | Weinstein, L. H. | 1971 |
| | Copy of letter to M.-H. Yu <u>re</u> <u>Acacia georginae</u> . | |
| | Wellcome Trust | 1968 |
| | Whittem, J. H. | 1961, 1966 |
| | <u>re</u> <u>Acacia georginae</u> . | |
| | Williams, L. T. D. | 1950-53 |
| E.83 | Williamson, J. R. | 1968 |
| | Woolley, D. W. | 1953 |
| | Worthy, T. S. | 1951 |
| | Young, F. G. | 1967 |
| | Copy of letter to E. Bursell. | |
| | Unidentified correspondents. | 1967, n.d. |
| E.84 | Shorter, unindexed correspondence: exchange of specimens and cultures, brief requests for information, exchange of reprints, etc., 1951-75. | |

SECTION F LECTURES, DRAFTS, PUBLICATIONS F.1 - F.55

The material is presented in 2 sequences. F.1 - F.32 contains drafts, etc. which are dated, or to which a date can be assigned with reasonable certainty; F.33 - F.55 consists of undated material, followed by a few folders of shorter correspondence with publishers, invitations to lecture, requests for reprints, etc.

See also Section D for material on British Anti-Lewisite.

F.1-F.32 LECTURES, DRAFTS, PUBLICATIONS, 1945-70

- F.1 Opening remarks at joint meeting of Nutrition and Biochemical Societies, 28 April 1945.
2 typescript drafts, one with extensive ms. corrections.
Brief correspondence with S.K. Kon is also included in the folder.
- F.2 Bundle of ms. notes, labelled by Peters 'Various lecture notes, mainly aimed at understanding cell surfaces'.
Some pages bear dates between 1947 and 1952, the rest are undated.
- F.3 'Some recent work upon the biochemistry of fluoroacetate poisoning'
Lecture delivered in Norway, 3 April 1950. Correspondence only.
- F.4 'Fluoroacetate poisoning and 'jamming' of the tricarboxylic acid cycle; mode of action of an 'active' fluorocompound synthesised via this cycle', by P. Buffa, W.D. Lotspeich, R.A. Peters and R.W. Wakelin.
Typescript summary of paper presented at a meeting of the Biochemical Society, 19 May 1950.
- F.5 'Bristol. June 1950. Modern biochemical approaches to pharmacology'.
5 pp. ms., brief correspondence.
- F.6 Draft for autobiographical article.
25 pp. typescript with ms. corrections, n.d., probably early 1950s.

Lectures, drafts, publications

- F.7 Ms. notes for lecture on Fluoroacetate delivered in Boston, n.d., c.1952.
- F.8 'Fluoroacetate poisoning: comparison of synthetic fluorocitric acid with the enzymically synthesized fluorotricarboxylic acid', by R.A. Peters, R.W. Wakelin, D.E.A. Rivett and L.C. Thomas.
5 pp. typescript, March 1953.
- F.9 Ms. notes for 2 lectures on fluoro-compounds headed as follows:
'3rd lecture. 11 May 53'
'U.S. May '53. Lecture 4'
- F.10 'Hormones and the cytoskeleton'
2 typescript drafts with ms. corrections. The second of these is dated 9 December 1955.
- F.11 'Biochemical lesions, keto acids and the citric acid cycle'
10 pp. typescript of lecture, possibly delivered at a meeting of the Association of Clinical Biochemists, n.d., 1956. A letter from the Editor of the Association's Newsletter is included in the folder.
- F.12 Ms. and typescript drafts for introductory remarks at Biochemical Society Symposium on 'The Structure and Function of Sub-Cellular Components', 23 February 1957.
Correspondence with the organiser of the Symposium (E. M. Crook) is also included in the folder.
- F.13 Notes and drafts for report to the Agricultural Research Council on visits to various laboratories and institutions in U.S.A. and Canada, July-September 1957.
- F.14 'Vitamin B Group of Disorders'
15 pp. typescript for lecture, n.d., c.1957.

Lectures, drafts, publications

- F.15-F.17 'Some reminiscences upon Sir Charles Sherrington'
Article published in The Caian, Michaelmas Term 1957.
- F.15 2 typescript drafts, one with corrections by Peters, the other annotated by the editors of The Caian.
Folder also contains 2 letters from Sir James Chadwick, 1952, asking Peters to write an obituary of Sherrington for The Caian and brief correspondence re permission to quote, etc., 1957
- F.16 Letters from family and colleagues, 1955-57, in reply to requests for reminiscences of Sherrington.
- F.17 Various printed obituaries and tributes to Sherrington, including a volume of 'Memories' by C.E.R. Sherrington (son) printed for private circulation.
A photograph of Sherrington is also included here.
- F.18 Ms. drafts for speech at dinner celebrating the centenary of Sir Charles Sherrington, 23 November 1957.
Folder also includes a letter from R.E. Threlfall, 30 October 1957, containing anecdotes about Sherrington, and the menu and seating plan for the dinner.
- F.19-F.21 Memoir of J.B. Leathes, published in Biographical Memoirs of Fellows of the Royal Society, 4, 1958.
- F.19 Two typescript drafts of the Memoir, one with ms. corrections.
- F.20 Correspondence, 1956-58
Includes request from the Royal Society for Peters to write the Memoir in collaboration with G.A. Clark and replies from family and colleagues to requests for information and reminiscences.
A letter from Sir Robert Platt about Leathes's ancestry, June 1964, is also included here.
- F.21 Miscellaneous background material: ms. and typescript notes and drafts; copies of printed obituaries of Leathes by others.

Lectures, drafts, publications

- F.22 2 pp. typescript beginning 'The object of this communication is to draw attention to one point, viz. that it is possible to get a soluble preparation of aconitase which behaves very sensitively to inhibition by fluorocitric acid'.
The first page is annotated 'Biochem. Soc. Oxford, Mar. 1959'.
- F.23 1 p. typescript résumé of 'Talk to Enzyme Unit - 14th November 1959'.
- F.24 Script of talk on thiamine broadcast on Australian radio, 14 May 1961.
- F.25 'Speech as President of Clinical Chemistry Congress in Edinburgh'
10 pp. typescript, n.d. c.1962.
- F.26 Correspondence re arrangements for Peters to give a lecture at the University College of Wales, Aberystwyth, 1962.
- F.27 Speech at the opening of Fisheries Biochemistry Laboratory, Aberdeen, c.1966.
12 pp. ms.
- F.28 'Structure and Function in cells'
Ms. and typescript drafts, n.d. c.1966.
- F.29 Correspondence arising from a letter to the Times by Peters, 18 August 1966.
- F.30 'The metabolism of fluoroethanol by *A. georginae* in the presence of fluoroacetate'
2 pp. ms. draft with later annotation by Peters '1967. A fragment not written up'.
- F.31 'An organically combined fluorine compound in bone', by R.A. Peters, M. Shorthouse and P.F.V. Ward.
Ms. and typescript drafts, possibly for letter to Nature, n.d. c.1968.
- F.32 Bundle of ms. notes taken at a conference, including outline of address by Peters and notes on papers delivered by others. One of the pages is headed 'Chicago '70'.

Lectures, drafts, publications

- F.33-F.51 UNDATED MATERIAL
- F.33 'Vitamin B₁ and scientific endeavour'
 2 drafts for review of book by [R.R. ?] Williams, n.d.
- F.34 2 pp. ms. notes headed 'Fluoroacetates. Lecture 3', n.d.
- F.35 2 pp. ms. notes for brief lecture on 'Metals and living systems',
 n.d.
- F.36 5 pp. typescript draft with ms. corrections for foreword
 to a volume of essays on the chemistry and biochemistry
 of the nervous system, n.d.
- F.37 Ms. and typescript drafts for paper given at International
 Symposium on 'Enzimi in Medicina', n.d.
 Folder also includes an Italian translation of the paper
 under the title 'Significance for Medicine of
 Biochemical Lesions in Pyruvate Oxydase System
 including Tricarbossilic Acid cycle'.
- F.38 'Further study of the toxic principle in the seeds of
 Dichapetalum toxicarium'
 1 p. ms., perhaps draft for letter to Nature. There
 is a pencil note at the head of the page '? not sent'.
- F.39 'Modern views on the Nature of Toxicity'
 4 pp. typescript with 1 p. ms. notes for lecture on
 carbon-fluorine compounds, n.d.
- F.40 Ms. and typescript drafts for lecture headed 'Vancouver,
 June', n.d.
- F.41 4 pp. typescript for talk on Sir Frederick Gowland Hopkins,
 n.d.
 Contains reminiscences of the Cambridge physiological
 laboratory before the First World War.
- F.42 Bundle of ms. notes headed 'Edinburgh, Points to make'.
 Contains outline for a lecture on cell structure,
 apparently at a symposium or conference, as there
 are also some notes on papers given by others, n.d.
- F.43 Typescript drafts for lecture on fluorocitric acid and
 fluoroacetate, n.d. One draft is headed 'First Babraham'.

Lectures, drafts, publications

- F.44 'Lethal Synthesis'
4 pp. typescript for talk (incomplete), n.d.
- F.45 Ms. and typescript of contribution to an unidentified discussion on cell structure, n.d.
- F.46 'The biochemical mechanism of fluoroacetate poisoning'
1 p. ms., n.d.
- F.47 'Attempt to solve toxicity of arsenicals and M[ustard] G[as] (antidotes) and to unravel [?] B₁ deficiency'.
1 p. ms., n.d.
- F.48 5 pp. ms. draft for undated lecture on biochemistry.
- F.49 Ms. and typescript draft of undated memorandum re plans for an experiment. The ms. was originally cast in the form of a letter to P. Buffa.
- F.50 Miscellaneous fragmentary drafts for lectures and publications.
- F.51 Notebook containing undated ms. draft of letter to the press re the importance of fundamental research. The remaining contents of the notebook are bibliographical references and brief notes.
- F.52-F.55 SHORTER UNINDEXED CORRESPONDENCE RE LECTURES AND PUBLICATIONS
- F.52 Correspondence with publishers, editors, etc. re publication arrangements, permission to quote or reproduce, 1935-73.
- F.53 Requests to write books, articles, serve on editorial boards of journals, etc., 1928-69.
- F.54 Invitations to lecture/thanks for lectures delivered, 1943-62. Includes miscellaneous printed matter.
- F.55 Miscellaneous requests for reprints, 1925-35, 1968.
Mainly re the Harben Lectures, 1929, on 'Coordinative Biochemistry of the Cell and Tissues'.

SECTION G GENERAL CORRESPONDENCE G.1 - G.34

The following sequence consists of material that does not fit conveniently into Sections C - F. Many of the letters fall more readily into the category of personal correspondence, but these are interspersed with some more scientific exchanges.

Most of the sequences are rather short, but there are a few correspondents who are fairly well represented, including Sir Robert Robinson (G.24) and Sir Charles Sherrington (G.26).

The correspondence is presented in alphabetical order with terminal dates and a brief indication of content where appropriate.

G.1	Adam, N. K.	1945
	Correspondence arising from Adam's book on the physics and chemistry of surfaces.	
	Adrian, E. D.	1950
	Reply to letter of congratulation on Presidency of the Royal Society.	
	Alexander, S. A.	1944
G.2	Anderson, H. K.	1917-23
	Mainly personal correspondence.	
G.3	Barnes, J. M.	1962
	Batt, R.	1966
	Boycott, A. E.	1926
	Proposal to invite C. Harington to Oxford. Includes letters from C.S. Sherrington and G. Barger.	

General correspondence

G.4	Burn, J. H.	n.d.
	Canosa, C. A.	1968
	Cavanagh, J. B. <u>re</u> method for producing acute thiamine deficiency in pigeons.	1967
	Chadwick, J.	1956
G.5	Chain, E. B.	1956-58, 1969
	Mainly <u>re</u> his work at the Istituto Superiore di Sanità, Rome.	
G.6	Channon, H. J.	1939
	(Peters's carbon only) <u>re</u> coordination of wartime scientific research.	
	Chibnall, A. C.	1959
	Clarke, H. E.	1962
	Cohen, J. A.	1961
G.7	Cooper, J. R.	1968
	Cori, C. F.	1950
	Dale, H. H.	1953, 1961
	1961 correspondence contains recollections of early days of Biochemistry at Cambridge. Folder also includes a signed photograph of Dale.	
	Danielli, J. F.	1950, 1962
	<u>re</u> surface structures.	
G.8	Dodds, E. C.	1954
	Dohrn, R.	1950
	Offer of research facilities at the Stazione Zoologica, Naples.	
	Douglas, C. G.	1954
	Dowdle, E. B.	1960

General correspondence

- | | | |
|------|---|------------------|
| G.9 | Dreyfus, P. M. | 1968 |
| | Drummond, J. C. | 1929, 1935, 1942 |
| | Wartime correspondence is <u>re</u> feeding of undergraduates. | |
| | Drury, A. N. | n.d., 1950 |
| | The undated letter is <u>re</u> arrangements for collaboration in research on Vitamin B. | |
| G.10 | Evans, H. M. | 1928, 1933 |
| | Ewert, A. | 1965-66 |
| | Fabre, M. | 1953 |
| | Farber, E. | 1966 |
| | <u>re</u> biochemical lesions. | |
| G.11 | Farrer, A. M. | 1955 |
| | Fastier, F. N. | 1950 |
| | Enclosing 5 pp. typescript on 'Effects of Guanidine, Synthalin and other Amidine Derivatives on Carbohydrate Metabolism'. | |
| | Fletcher, W. | 1930 |
| | Florey, H. W. | 1957 |
| G.12 | Gardner, A. D. | 1950 |
| | Gardner, J. G. | 1928 |
| | Includes correspondence from the Board of Trade. | |
| | Garrod, D. A. E. | 1957 |
| | <u>re</u> photographs of Sir Archibald Garrod. | |
| G.13 | Gask, G. E. | 1915 |
| | Gavrilescu, N. | 1961 |
| | Gelatine and Glue Research Association | 1968 |
| | <u>re</u> electron microscopy of gelatin gels. | |

General correspondence

G.14	Gordon, A.	1947, 1949
	Mainly personal correspondence.	
	Gordon, G.	1941
	Green, D. E.	1949
	<u>re</u> organisation of enzyme processes.	
	Gubler, C. J.	1966
G.15	Hastings, A. B.	1954, 1968, 1970
	Hechter, O.	1966, 1970
	<u>re</u> cytoskeleton theory.	
	Hill, A. V.	1955, 1959
	Includes a 3 pp. letter <u>re</u> proposed review of research on physiology and biochemistry of muscle.	
G.16	Hopkins, F. G.	1935
	Imperial Chemical (Pharmaceuticals) Ltd.	1952
	<u>re</u> filming of scientific research.	
	Irish, D. D.	1957
G.17	Knoop, F.	1939
	Krebs, H. A.	1956
	<u>re</u> early history of the Biochemistry Department at Oxford.	
	Lathe, G. H.	1950
G.18	Leach, E. H.	1949
	Lipmann, F.	1966
	Lotspeich, W. D.	1952
	Lu, G.	1940
	<u>re</u> vitamin E deficiency.	

General correspondence

G.19	McCay, C. M.	1935
	McIlwain, H.	1967
	<u>re</u> proposed Neurochemical Group of the Biochemical Society.	
	McLaren, A. D.	1970
	(Peters's carbon only) <u>re</u> surfaces.	
	MacLeod, R. M.	1972
	<u>re</u> preservation of scientific papers.	
G.20	Marini Bettolo, G. B.	1967
	Marrack, J. R.	1930
	<u>re</u> immunity reactions.	
	Moran, T.	1946, 1950
	Mott, N. F.	1959
G.21	Needham, J.	1939
	<u>re</u> coordination of wartime biochemical research.	
	Neuberg, C.	1949, 1950
	Nichol, C. A.	1968
	Nicolaysen, R.	1980
G.22	O'Brien, J. R. P.	1966
	Ockrent, C.	1932
	Ogston, A. G.	n.d. c.1954
	<u>re</u> Peters's departure from Oxford. Also included is a small drawing with ms. note by Peters, 'Ogston's idea July 19 1950'.	
	Oliver, G.	1933
	Ord, M. G.	1966

General correspondence

- G.23 Page, I. H. 1957
- Parke, D. V. 1967, 1968
- Includes correspondence re proposed degree
 course in toxicology at the University of Surrey.
- Passmore, R. 1941
- Phelps, H. J. 1928
- Ramsden, W. 1930
- Risinger, G. E. 1966
- (Peters's carbon only)
- G.24 Robinson, R. 1935-69
- Personal and scientific correspondence on a
 wide range of topics. 1940 correspondence
 includes a description of research in progress
 in the Oxford Department of Biochemistry.
- G.25 Roche, J. 1968
- Ruddle, D. A. 1923
- re lecithin and cancer.
- Schulman, J. H. 1945
- Seifriz, W. n.d.
- re surface structure.
- G.26 Sherrington, C. S. 1928-46
- Incoming correspondence only, except for
 1 letter, 1928, as Peters's replies were probably
 mainly ms. Topics include:
- arrangements for Peters's election to the
 Athenaeum (1937-40);
- reminiscences of E. Whitley and early days
 of biochemistry at Oxford (1945-46);
- reflections on the changing position of veterinary
 science in England (in a letter to I. de Burgh Daly,
 1947).

General correspondence

G.27	Sinclair, H. M.	1951
	Smith, D.	n.d.
	Stocken, L. A.	1964
	Svedberg, T.	1937
	Thomas, D.	1950
G.28	Thompson, R. H. S.	1937
	Thornton, J. L.	1964, 1966
	<u>re</u> biography of Sir Archibald Garrod. A letter from the Editor of <u>Genetics</u> is also included here.	
	Truman, D.	1963
	Von Euler, H.	192-, 1950
G.29	Walker, E.	1941
	Westenbrink, H. G. K.	1957-58
	<u>re</u> method for removing cocarboxylase from yeast.	
	Wheare, K. C.	1965
	<u>re</u> policy in regard to the Chair in Microbiology at Oxford.	
G.30	Whelan, W. J.	1968
	Whitley, E.	1937
	Williams, R. R.	1940
	<u>re</u> wartime domestic arrangements.	
	Williams, R. S.	1928-30
	Mainly <u>re</u> research on the physiology of milk secretion.	
	Woods, D. D.	1955
Young, E. G.	1928	
Young, J. Z.	1953	

General correspondence

- G.31 Shorter scientific correspondence: brief exchanges of information re equipment, jobs, examining of theses, references, etc., 1925-68, not indexed.
- G.32 Correspondence re visitors to Peters's laboratory: research and grant arrangements, thanks for hospitality, letters of introduction, etc., 1925-68, not indexed.
- G.33 Shorter personal correspondence, 1925-80, not indexed.
- G.34 Illegible and first name signatures, 1927-55 and n.d. Includes some ms. drafts of letters from Peters.

INDEX OF CORRESPONDENTS

ADAM, Neil Kensington	G.1
ADDISON, Christopher, Baron	A.23
ADRIAN, Edgar Douglas, Baron	G.1
ALBEMARLE, Diana Cicely, Countess of	A.38
ALBERT, Adrien	D.20
ALEXANDER, S. A.	G.1
ALLCROFT, Ruth	E.44-E.46
ANDERSON, Hugh K.	G.2
ARMSTRONG, W. D.	E.47
ARVY, Lucie	D.20
AUBREY, Ian	C.8
AYKROYD, Wallace Ruddell	C.16
BACHARACH, Alfred L.	C.16
BACKHOLER, J. R.	E.47
BACQ, Z. M.	A.9, D.21, E.47
BAKER, Raymond W. R.	F.16
BALÁZS, Robert	E.47
BANGA, I.	C.16
BARGER, George	C.17, G.3
BARNES, John M.	G.3
BARNETT, Harold M.	C.18
BARTLEY, Walter	E.48
BATT, Richard	G.3
BEACONSFIELD, Peter	E.48
BELL, Arthur Doyne Courtenay	C.8, C.14
BELL, T. N.	E.48
BENTLEY, E. W.	E.44
BERGEL, Franz	C.56
BERNAL, John Desmond	C.18
BERNER, Endre	D.22
BEZNÁK, A. B. L.	A.6

Index of correspondents

BINNS, Howard Reed	E.49
BIRKETT, F. K.	C.63
BIRKS, F. T.	E.49
BOYCOTT, A. E.	G.3
BOYD, D. W.	A.19
BOYLAND, Eric	C.19, E.49
BRADY, Roscoe O.	E.49
BRAITHWAITE, J. Vernon C.	C.8
BREMER, Jon	E.50
BRENTNALL, Edward W.	E.50
BRIGGS, George M.	A.16
BROWN, Richard	E.50
BRUNT, Sir David	A.5
BUCHMAN, Edwin R.	C.19
BUFFA, Paolo	E.51-E.56 See also F.49
BURGSTHALER, Albert W.	E.57
BURN, Joshua Harold	G.4
BUZZARD, Sir (Edward) Farquhar	B.18, C.9
CAHN, R. S.	D.22
CAIRNS, Sir Hugh William Bell	C.20
CAMERON, E. S.	F.16
CAMERON, Sir G. Roy	D.22
CAMERON, John Forbes	A.6
CANOSA, Cipriano A.	G.4
CAPEL, E. H.	C.34
CARMICHAEL, Edward Arnold	C.20, E.57
CAVANAGH, J. B.	G.4
CHADWICK, Sir James	A.9, F.15, G.4
CHAIN, Sir Ernst (Boris)	G.5
CHEESMAN, E. E.	E.57
CHENOWETH, Maynard B.	E.57, E.62
CHIBNALL, Albert Charles	G.6

Index of correspondents

CHICK, Dame Harriette	C.21, C.22, C.46, C.77
CLARK, George A.	F.20
CLARK, V. M.	F.15
CLARKE, H. E.	G.6
COHEN, Henry, Baron Cohen of Birkenhead	F.16
COHEN, J. A.	G.6
COHEN, Richard Henry Lionel	C.71, C.74, C.75
COMAN, Brian J.	E.58
COOK, Robert P.	A.25
COOPER, Jack R.	G.7
CORI, Carl Ferdinand	G.7
COVENTRY, James E. C.	E.58
COWARD, Katharine H.	C.23, C.68
CRAMER, W.	C.23
CRAWFORD, M.	E.58
CREED, Rufus S.	F.20
CREED, Sybil	F.16
CROOK, E. M.	F.12
CRUCHET, René	C.9
DAGLEY, S.	E.59
DALE, Sir Henry Hallett	G.7
DALY, Ivan de Burgh	A.6, A.11, F.13
DANIELLI, James Frederick	G.7
DARKE, C. S.	C.29
DAVIDSON, (James) Norman	A.24, A.26-A.31, A.34
DAVIES, D. D.	E.59
DAVIES, W.	C.23
DAVIS, D. Russell	C.34
DAWSON, E. R.	C.55
DENNY-BROWN, Derek Ernest	C.23
DE OLIVEIRA, Marilda Meirelles	E.59

Index of correspondents

DEY, A.	C.23
DHERE, Ch	C.24
DICKENS, Frank	A.35
DIXON, Malcolm	C.46
DODDS, Sir (Edward) Charles	A.6, A.26, A.36, C.67, G.8
DOHRN, Reinhard (Rinaldo)	G.8
DOUGLAS, C. G.	G.8
DOWDLE, Eugene B.	G.8
DREYFUS, Pierre M.	G.9
DRUMMOND, Sir Jack Cecil	C.24, C.30, C.46, G.9
DRURY, Sir Alan (Nigel)	G.9
DUDLEY, H. W.	C.24
DURAND, Jay I.	C.24
DYER, R. A.	E.59
ELLINGER, P.	C.63
ELLIOTT, T. M.	F.16
ELSDEN, Sidney Reuben	A.25
ELVIDGE, W. F.	C.55
ENNOR, Sir Arnold Hughes	E.60
EVANS, Herbert McLean	G.10
EWERT, Alfred	G.10
FABRE, M.	G.10
FAIRLEY, Sir Neil Hamilton	C.25
FARBER, Emmanuel	G.10
FARRER, Austin (Marsden)	G.11
FASTIER, F. N.	G.11
FELL, Dame Honor Bridget	E.60
FINDLAY, H. T.	D.22
FLETCHER, Walter	G.11
FLOREY, Howard Walter, Baron	G.11

Index of correspondents

FLORKIN, Marcel	A.9, A.29, A.31, A.33, A.35
FOLKES, B.	E.60
FOLLEY, Sydney John	A.25
FOWDEN, Leslie	E.61
FRASER, R.	A.35
FREDERICQ, Henri	A.9
FREETH, H. Andrew	A.12
FREINKEL, Norbert	A.16
FRIEDHEIM, Ernst A. H.	D.23
FRIEDMANN, Herbert C.	E.61
FULTON, John F.	F.15
GARDNER, Arthur Duncan	G.12
GARDNER, J. G.	G.12
GARRETT, E. B.	C.9
GARROD, Sir Archibald Edward	B.3
GARROD, Dorothy Annie Elizabeth	G.12
GASK, George E.	G.13
GASKILL, J. F.	F.16
GAVRILESCU, N.	C.25, G.13
GETZ, G. L.	E.61
GIBSON, A. G.	C.8, C.13, C.25
GIBSON, C. S.	D.24
GOLDMAN, Peter	E.62
GOOD, F. Douglas T.	E.62
GOODWIN, Trevor Walworth	F.26
GORDON, Athol	G.14
GORDON, G.	G.14
GOSSET, I. H.	C.13
GRAHAM, George	C.25
GRANIT, Ragnar Arthur	C.26
GRANT, Patrick T.	E.62

Index of correspondents

GREEN, David E.	G.14
GREEN, J. H. K.	D.24
GREENWAY, P. J.	E.62
GUBLER, Clark J.	G.14
GYÖRGY, P.	C.26
HALL, Ronald J.	E.63
HALLIDAY, M.	C.26
HAMPSHIRE, Charles Herbert	C.53
HARDEN, Arthur	C.26
HARDY, Sir William Bate	C.26
HARINGTON, Sir Charles (Robert)	A.24, A.26
HARRIS, Leslie J.	C.27, C.47
HARRIS, Ralph	F.29
HARRIS, Wilfred	F.16
HARRISON, Kenneth	D.24
HARTFALL, Stanley Jack	C.27
HARTLEY, Percival	C.55
HASLEWOOD, Geoffrey Arthur Dering	A.25
HASTINGS, A. Baird	G.15
HAVES, Charles S.	E.65
HAWKINS, G. F. C.	C.13
HEBB, Catherine	E.65
HECHTAR, Oscar	G.15
HELE, Priscilla	E.65
HERBERT, Freda K.	C.27
HEYROTH, Francis F.	C.27
HILL, Archibald Vivian	A.33, G.15
HIMSWORTH, Sir Harold (Percival)	C.70, C.73
HOARE, D. S.	E.65
HOBSON, Frederick Greig	C.28
HOBSON, R. P.	C.28
HOGAN, A. G.	C.28

Index of correspondents

HOLIDAY, Ensor	C.28, C.59
HOLT, S. J.	F.12
HOPKINS, Sir Frederick Gowland	G.16 see also F.41
HUME, E. M. M.	C.67, C.69-C.76
HUNTER, Andrew	F.20
HURST, Arthur F.	C.29
HUTCHISON, Robert	C.11
INNES, Flora R.	C.30
IRISH, Don D.	G.16
JANSEN, B. C. P.	A.7, C.30
JOHNSON, Robert E.	C.30
KENNAWAY, Sir Ernest Laurence	F.20
KENT, Paul Welberry	E.66
KETCH, L. T.	C.62
KINGAN, R.	D.26
KJERRMAN, Bengt	C.31
KNOOP, F.	G.17
KNOWLES, James	C.13
KOENIG, Harold	E.66
KÖGL, F.	A.7, C.31
KON, S. K.	C.48, C.55, C.56, C.62, C.65, F.1
KREBS, Sir Hans (Adolf)	C.67-C.74, G.17
KUHN, Richard	C.32
KUN, Ernest	E.66
KUZEMKO, J. A.	E.66
LANDON, Philip Aislabie	B.17
LATHE, Grant Henry	G.17
LEACH, E. H.	G.18
LEATHES, John Beresford	see F.19-F.21

Index of correspondents

LEWIS, Gwyneth	E.66
LEYS, Duncan G.	C.11
LIEBECQ, Claude	A.26, E.67
LINDSAY, Alexander Dunlop, Baron Lindsay of Birker	B.20
LIPMANN, Fritz	G.18
LITCHFIELD, Jack Watson	C.10
LITTLE, Marguerite F.	E.68
LOENING, Ulrich	A.19
LOHMANN, K.	C.32
LOTSPEICH, William D.	G.18
LU, Gwei-Wjen	G.18
McARDLE, B.	C.10
McCANCE, Robert Alexander	C.51
McCAY, C. M.	G.19
McFARLANE, A. S.	E.68
MACFARLANE, Marjorie	A.25
McILWAIN, Henry	E.69, G.19
MACKIE, Thomas Jones	A.6
MACLEOD, Roy M.	G.19
McMULLAN, George	C.32
MACRAE, T. F.	C.33, C.48, C.54, C.60, C.63
MAGEE, H. E.	C.49
MAIZELS, Montagu	E.70
MAPSON, Leslie William	C.74
MARINI BETTOLO, G. B.	G.20
MARRACK, John Richard	G.20
MARRIAN, Guy Frederic	A.6
MARTIN, Sir Charles James	C.33
MELLANBY, Sir Edward	C.33, C.68, D.25
MENEMEY, William H. M.	F.29
MILLER, Gene W.	E.70

Index of correspondents

MILLER, H. J. W.	C.10
MILLER, Henry	D.25
MILLS, Colin F.	E.70
MITCHELL, Peter	E.71
MONCRIEFF, Sir Alan (Aird)	C.11, C.34
MOORE, C. Ulysses	C.34
MOORE, D. Figgern	C.34, C.49
MORAN, Thomas	G.20
MORGAN, Walter Thomas James	A.33
MORRISON, Herbert Stanley, Baron Morrison of Lambeth	A.23
MORRISON, J. F.	E.71
MOTT, Sir Nevill (Francis)	G.20
MOUREAU, P.	D.25
MUIR, Adam	E.71
MUNRO, H. N.	A.25
MURRAY, L. Ray	E.72, E.73
NAF, Ulrich	A.18
NEEDHAM, Joseph	C.35, G.21
NETTER, K. J.	E.74
NEUBERG, Carl	G.21
NEUBERGER, Albert	A.25, A.33
NICHOL, Charles A.	G.21
NICOLAYSEN, Ragnar	F.3, G.21
NIMMO, I. A.	E.74
NOGUCHI, Teruhisa	E.74
O'BRIEN, Daniel P.	B.19
O'BRIEN, J. R. P.	C.35, C.67, C.69-C.71, C.73, C.75, G.22
OCHOA, Severo	A.19
OCKRENT, Charles	G.22
O'CONNOR, F. W.	B.9
OELRICHS, Peter B.	E.75

Index of correspondents

OGSTON, Alexander George	G.22
OLIVER, Gordon	G.22
ORD, Margery G.	G.22
O'REILLY, J. N.	C.11
PAGE, Irvine H.	G.23
PARKE, Dennis V.	G.23
PARKES, Sir Alan (Sterling)	A.25
PARR, W. H.	E.75
PARSONS, Sir Leonard Gregory	C.12
PASSMORE, R.	A.6, C.36, G.23
PASTERNAK, C. A.	E.76
PATTISON, Fred L. M.	E.76
PEARCE, Richard M.	B.9
PESKETT, Geoffrey L.	B.4
PETERS, Albert Edward	C.36
PHELPS, Harold J.	G.23
PLATT, Benjamin Stanley	C.36
PLATT, Robert, Baron	F.20
PORTER, Rodney Robert	A.19
PRENER, Samuel	C.36
QUAGLIARIELLO, G.	A.30
RADFORD, M. C.	C.14
RAISTRICK, Harold	A.24
RAMSDEN, W.	G.23
READER, Vera	C.37
REDFERN, Harry	B.5
RICHARDSON, Sir John (Samuel)	C.58
RIMINGTON, Claude	E.76
RIVETT, D. E. A.	E.77
ROCHE, Jean	G.25

Index of correspondents

ROSEDALE, J. L.	C.37
ROSSITER, Roger J.	A.16
RUDDLE, David Allen	G.25
RUFFO,	E.77
RYDIN, Håkan	B.37
ST. JOHNSTON, H.	C.37
SALISBURY, Sir Edward James	E.77
SAPIRO, M. L.	E.77
SAUNDERS, B. C.	E.78
SCARBOROUGH, Harold	C.69, C.71, C.72
SCHOPFER, W. H.	C.38
SCHULMAN, J. H.	G.25
SEIFRIZ, William	G.25
SELFRIEDGE, Grant	C.38
SHERRINGTON, C. E. R.	F.16
SHERRINGTON, Sir Charles Scott	B.2, G.3, G.26 see also F.15-F.17, F.18
SHORTHOUSE, M.	E.18, E.78
SIDGWICK, Nevil Vincent	D.20
SIESJÖ, B. K.	E.78
SILVESTER, David J.	E.17
SIMONSEN, J. L.	E.78
SIMPSON, A. C.	E.78
SINCLAIR, Hugh Macdonald	C.58, G.27
SLATER, Sir William (Kershaw)	A.11
SMITH, David	G.27
SMITH, Francis G.	E.79
SMITH, M. I.	C.38
SMITH, M. J. H.	E.79
SMITH, Sir Sydney Alfred	A.6
SMYTH, P. M.	C.13
SPENCE, Sir James Calvert	C.15
STENHOUSE, Arnold B.	C.13

Index of correspondents

STOCKEN, Lloyd A.	A.24, D.26, G.27
STONER, H. B.	E.79
STOTZ, Elmer H.	A.16
STRATTON, Frederick John Marrian	A.29
SURE, Barnett	C.39
SVEDBERG, The	G.27
TAHOUREDIN, Peter A.	D.26
TAVES, Donald R.	A.16, E.79
TAYLOR, William H.	A.6
THOMAS, David	G.27
THOMAS, Garfield	C.39
THOMAS, L. C.	E.80
THOMPSON, Robert Henry Stewart	A.25, A.34-A.36, D.26, G.28
THOMSON, Sir (Arthur) Landsborough	B.12
THORNTON, John L.	G.28
THORPE, W. V.	A.25
THRELFALL, R. E.	F.16, F.18
TIZARD, Sir Henry Thomas	F.16
TIZARD, Sir (John) Peter (Mills)	C.58
TREBLE, Donald H.	E.81
TRUMAN, Donald	G.28
UFFELMAN, F. B.	D.26
UNGLEY, C. C.	C.40
VAN BEKKUM, D. W.	A.18
VAN HEYNINGEN, Ruth	E.81
VAN VEEN, H.	C.41
VARLEY, Harold	F.11
VERNEY, Ernest Basil	E.81
VERZÁR, Fritz	C.41
VICKERY, H. B.	C.69
VIGOR, H. D.	C.50

Index of correspondents

VON EULER, H.	C.41, G.28
VORHAUS, Martin G.	C.41
WAGNER-JAUREGG, Th.	C.42
WAKELIN, R. W.	E.81
WALKER, Ernest	B.18, G.29
WARBURG, Otto Heinrich	C.42
WARD, Peter F. V.	E.81
WATERLOW, John C.	C.67
WAUGH, G. Duncan	D.27
WEINSTEIN, Leonard H.	E.82
WESTENBRINK, H. G. K.	C.42, G.29
WHEARE, Sir Kenneth Clinton	G.29
WHELAN, William J.	G.29
WHITLEY, E.	G.29
WHITTEM, J. H.	E.82
WILLIAMS, Dudley	E.75
WILLIAMS, Leslie Thomas Douglas	E.82
WILLIAMS, R. R.	C.43, G.30
WILLIAMS, Robert Stenhouse	G.30
WILLIAMSON, John R.	E.83
WITTS, Leslie John	C.44
WOOD, Ian	C.44
WOODS, Donald Devereux	G.30
WOOLLEY, D. W.	E.83
WORTHINGTON, Edgar Barton	A.40
WORTHY, T. S.	E.83
WRIGHT, Joyce	C.15
YOUNG, E. Gordon	G.30
YOUNG, Sir Frank (George)	A.17, A.36, E.83
YOUNG, John Zachary	G.30
YOUNG, Leslie	A.24, A.28, A.30, A.34

Index of correspondents

YUDKIN, John	A.13
YUILLE, D. Ferguson	C.44
ZILVA, S. S.	C.50, C.59