

Catalogue of the papers and correspondence of

**Sir Frank George Young FRS**

(1908-1988)

by Timothy E. Powell and Peter Harper

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George Young FRS (1908-1988), biochemist

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## GENERAL INTRODUCTION

### PROVENANCE

The papers were received from Cambridge University Library in April 1999.

### OUTLINE OF THE CAREER OF SIR FRANK YOUNG

Frank George Young was born in London on 25 March 1908. He was educated at Alleyn's School, Dulwich 1916-1926 and then entered University College London. He graduated in chemistry and physics in 1929 and went on to postgraduate work in biochemistry and physiology at University College under J.C. Drummond, C. Lovatt Evans and A.V. Hill. After one year 1932-1933 as an Honorary Assistant in the Department of Physiology at University College, Young held research fellowships successively at the University of Aberdeen under J.J.R. Mcleod and the University of Toronto under C.H. Best, studying diabetes. He returned to University College in 1935 before in 1936 being appointed to the Scientific Staff of the Medical Research Council's National Institute for Medical Research, under the Directorship of Sir Henry Dale.

In 1942 Young was appointed Professor of Biochemistry at St Thomas's Hospital Medical School, University of London and three years later was appointed to the Chair in Biochemistry at University College London. Young left London in 1949, when he was appointed Sir William Dunn Professor of Biochemistry at Cambridge, succeeding A.C. Chibnall. He retired from the Chair in 1975. On moving to Cambridge Young was made a Fellow of Trinity Hall but he resigned this Fellowship in 1964 when he became the first Master of Darwin College, the newly founded Cambridge postgraduate college. He stood down from the Mastership in 1976.

Young devoted much of his time to service with national and international bodies. In the UK he was a member of the Medical Research Council 1950-1954, served on the Executive Council of the Ciba Foundation from 1954 to 1977 (appointed Chairman of the Council and Trustee in 1967) and was a co-founder of the British Nutrition Foundation in 1967 (serving as President 1970-1976). Young served on a number of government advisory bodies including the Committee on Medical Aspects of Food Policy 1957-1980, and the Advisory Committee on the Irradiation of Food from 1967 (as Chairman). He was also a member of the Royal Commission on Medical Education 1965-1968. International commitments included membership of the Council of the International Union of Biochemistry 1961-1972 (Treasurer 1967-1972) and the Executive Board of the International Council of Scientific Unions 1970-1974 (Vice-President 1970-1972). Young was particularly active in diabetes research organisations. He was a Vice-President of the British Diabetic Association from

1948, President of the European Association for the Study of Diabetes 1965-1968, and President of the International Diabetes Federation 1970-1973.

Young received numerous honours and awards, many from overseas, including the Banting Memorial Medal of the American Diabetes Association in 1950 and the Upjohn Award of the US Endocrine Society in 1963. He was elected to the Fellowship of the Royal Society in 1949 (Croonian Lecturer 1962) and knighted in 1976.

Young's principal research contribution was in the field of endocrinology, with particular reference to the study of diabetes. In autobiographical notes composed in September 1976 (A.6) Young described his work as follows:

'In 1937 he described a new method of inducing experimental diabetes in animals by the administration of an extract of the anterior pituitary gland for a short time, later showing that the persistence of the diabetic condition was caused by damage to the insulin-producing cells of the pancreatic islets and that the causative agent was anterior pituitary growth hormone. These investigations have been described as "some of the classical experiments in endocrinology"....With his collaborators he developed the view that diabetes mellitus can sometimes originate from an imbalance between the actions of insulin and growth hormone with respect to the utilization of glucose, a secondary result of this imbalance being damage to the pancreatic islets.'

Young did little laboratory work himself after 1945 and effectively ceased active research when he came to Cambridge, although from the late 1950s he oversaw work on growth hormone, undertaken with a technician D.C. Gardiner.

Young died on 20 September 1988.

For further information on the life and work of Young, see 'Sir Frank George Young' by Sir Philip Randle, *Biographical Memoirs of Fellows of the Royal Society*, vol 36 (1990), pp 583-599.

#### DESCRIPTION OF THE COLLECTION

The material is presented in the order given in the List of Contents. It covers the period 1913-1988. Much of the material, particularly Young's research papers, was found in very poor condition and preliminary conservation work notwithstanding, significant quantities of material could not be preserved and had to be discarded. Much of what has been retained requires careful handling as many documents are in a fragile condition.

Section A, Biographical, includes a little autobiographical material including full curricula vitae. There is considerable material relating to Young's knighthood, chiefly letters of congratulation. The section also includes a little family material, some personal correspondence and material relating to Young's historical interests.

Section B, University of Cambridge, is disappointing given Young's contributions to the Department of Biochemistry, the development of medicine in Cambridge and his Mastership of Darwin College. It includes documentation of Young's teaching in the Department of Biochemistry, some departmental administration material and a little material relating to the development of the Clinical School and to arrangements for his post-retirement research. His involvement with the Medical Research Council's Dunn Nutrition Unit is documented, including his service on the Unit's Ethical Committee.

Section C, Research, presents uneven coverage of Young's research from 1929 to the 1970s, presented in a broadly chronological order. The bulk of the material relates to Young's work on the cause and mechanism of diabetes, a line of research he began under J.J.R. Mcleod at Aberdeen and then C.H. Best at the University of Toronto. Running from 1958 to 1975 is an incomplete sequence of numbered experiments 1-607, relating to work on the relationship between growth hormone and diabetes. These were performed by D.C. Gardiner, an assistant in the Department of Biochemistry working under Young.

Section D, Publications, offers only partial coverage of Young's publications from 1938 to 1982. Documentation of Young's published scientific work, in particular, is disappointing; the section is dominated by material relating to Young and C.N. Hales's 1982 Royal Society Biographical Memoir of C.H. Best. The section also includes sets of Young's offprints.

Section E, Lectures and speeches, covers Young's public and invitation lectures and speeches 1936-1977 and n.d. Young was frequently invited to lecture and some of his lectures were subsequently published. He was also a sought-after speaker at social functions and as a Trustee and member (then Chairman) of the Executive Council of the Ciba Foundation he was called upon to speak at many Ciba Foundation functions.

Section F, Societies and organisations, is the largest in the collection. It includes significant documentation of some of Young's principal responsibilities including the Ciba Foundation, the International Diabetes Federation, chiefly its Special Committee established in 1970 to report on the 'work leading up to the discovery of insulin', and the British Nutrition Foundation during the period of Young's Presidency. International Union of Biochemistry material mostly relates to the problems in rearranging the 8th International Congress of Biochemistry scheduled for Rome in September 1970; Young played a leading role in ensuring its successful relocation at short notice to Switzerland. Young's service on government advisory committees is represented by papers and correspondence



relating to the Committee on Medical Aspects of Food Policy - including its Panels on Recommended Allowances of Nutrients, Diet in relation to Cardiovascular and Cerebrovascular Disease, and Bread, Flour and other Cereal Products - and the Advisory Committee on the Irradiation of Food. Young's membership of the Royal Commission on Medical Education is also well documented, including responses to the Commission's report (the Todd Report). Other organisations represented include the University College of Rhodesia and Nyasaland (later the University of Rhodesia). Young was a member of the College's Council as a representative of the Inter-University Council for Higher Education Overseas, and there are papers relating to the problems confronting the institution in its relations with the Rhodesian government.

Section G, Visits and conferences, covers only a very small proportion of Young's visits and attendance at conferences, 1955-1977. The most extensive material relates to the 9th International Diabetes Federation Congress, New Delhi, India, 1976, which in the event Young was unable to attend. Some further material relating to lectures given at events can be found in section E, Lectures and speeches.

Section H, Correspondence, includes general scientific correspondence presented in alphabetical order. Principal correspondents include C.H. Best, J. Bornstein, Sir Henry Dale, I. Hais, W.D. Tigertt and Lord Zuckerman. There is also Young's letter file of outgoing letters, January - September 1975, and some references and recommendations.

There is also an index of correspondents.

T.E. Powell  
P. Harper  
Bath, 2001

**SECTION A                      BIOGRAPHICAL                      A.1-A.69**

A.1-A.10	BIOGRAPHICAL AND AUTOBIOGRAPHICAL
A.11-A.42	CAREER, HONOURS AND AWARDS
A.43-A.49	FAMILY
A.50-A.53	PERSONAL CORRESPONDENCE
A.54-A.62	HISTORICAL INTERESTS
A.63-A.68	PHOTOGRAPHS
A.69	MISCELLANEOUS

**Biographical**

A.1-A.10	BIOGRAPHICAL AND AUTOBIOGRAPHICAL	1968-1988
A.1	Obituary of Young, <i>The Times</i> , 21 September 1988.	
A.2	Obituary of Young by P.J. Randle and E. Leedham-Green, <i>Independent</i> , 26 September 1988.	
A.3	Report of Memorial Service for Young, Great St Mary's Church, Cambridge, 27 November 1988.	
A.4	Curriculum vitae, May 1968.	
A.5	Curriculum vitae, August 1975, 'Annotated 1984'.	
A.6	Typescript 'Biographical notes', 2pp and 4pp, September 1976.	
A.7	Manuscript biographical notes.	
A.8	Notes for Debrett's Handbook, 1980.	
A.9, A.10	Bibliographies.	
A.9	'Series 1 Publications - Scientific papers', 1931-1974.	
A.10	'Series 2 Publications - Non-scientific and minor scientific papers', 1930-1975.	

### Biographical

- | A.11-A.42 | CAREER, HONOURS AND AWARDS   | 1936-1937 |
|-----------|--|-----------|
| A.11      | <p>Chair of Biochemistry at Queen's University, Kingston, Ontario, Canada, 1936-1937.</p> <p>Young reached the stage of negotiating about terms of appointment but decided to remain in the UK.</p> <p>Correspondence <i>re</i> terms etc.</p> |           |
| A.12      | <p>Corresponding Member, Sociedad Argentina de Biologia, 1946.</p> <p>Correspondence, 1946-1953.</p>   |           |
| A.13      | <p>Honorary Member, Academia Nacional de Medicina de Buenos Aires, 1950, and Corresponding Member, Asociacion Medica Argentina, 1951.</p> <p>Correspondence, 1950-1951.</p>  |           |
| A.14      | <p>Corresponding Member, Sociedad de Biologica de Montevideo, 1950.</p> <p>Correspondence, 1955.</p>   |           |
| A.15      | <p>Honorary Doctorate, University of Montpellier, 1959.</p> <p>Correspondence <i>re</i> arrangements, programme, letter of 9 March 1940 found with preceding.</p>  |           |
| A.16      | <p>Honorary Member, Biochemical Society of Iran, 1961.</p> <p>Exchange of correspondence, 1961.</p>  |           |
| A.17-A.36 | <p>Knighthood, 1973.</p>   |           |
| A.17      | <p>Correspondence <i>re</i> award and arrangements for investiture etc, 1972-1973.</p>   |           |

### Biographical

A.18-A.35	Letters of congratulation. Arranged by Young in an alphabetical sequence. Not indexed.
A.18	A.
A.19	B.
A.20	C.
A.21	D.
A.22	E., F.
A.23	G.
A.24	H.
A.25	I., J.
A.26	K.
A.27	L.
A.28	M.
A.29	N., O.
A.30	P.

**Biographical**

- A.31 Q., R.
- A.32 S.
- A.33 T., V.
- A.34 W.
- A.35 Y., Z.
- A.36 Correspondence with Imperial Society of Knights Bachelor, 1974-1986.
- A.37 Scientific Adviser, British Industrial Biological Research Association, 1975-1979.  
Correspondence *re* appointment, reappointment and resignation, 1975-1979.
- A.38 Dinner in honour of Sir Frank Young on his retirement, September 1975.  
Seating plan; 10pp typescript and manuscript draft of Young's speech of thanks.
- A.39 Honorary Member, Society for Endocrinology, 1976.  
Exchange *re* membership, 1976.
- A.40 Knight of Mark Twain, 1980.  
Notification, December 1980.
- A.41 Nestle Foundation Meeting in Honour of Sir Frank Young, 10 April 1981.  
Notice of meeting, 1981.

**Biographical**

- A.42                      Honorary Member, Section of Endocrinology, Royal Society of Medicine, 1982.  
  
Exchange *re* membership, 1982.

**A.43-A.49                      FAMILY    1961-1981**

- A.43                      Manuscript and typescript notes on Young family history.  
  
The notes trace the family to Robert Young of Cranbourne, Dorset (1703-1807).

- A.44                      Ruth Young (wife)  
  
Photocopy of article from *Cambridge Evening News* featuring Dr Ruth Young, 18 November 1975.

- A.45, A.46                Peter N. Young (eldest son)

- A.45                      Exchange *re* Haile Sellassie I University, Ethiopia, with associated printed material on the university, February 1964.

Young wrote enquiring about employment possibilities for his son Peter.

- A.46                      Correspondence, 1968, 1971.

- A.47                      Thomas Nesbitt Young (second son)

Correspondence *re* possibilities of teaching in East Africa, 1961.

Young wrote to the press urging the benefits of British school leavers gaining work experience in Africa and Commonwealth countries in 1961 (see D.59, D.60).

- A.48                      Simon Young (third son)

Correspondence with J.C. Kendrew *re* suitable book on crystal structure, 1961.

**Biographical**

A.49 Sarah [?] (grand-daughter)  
Letter, 1981.

**A.50-A.53 PERSONAL CORRESPONDENCE 1961-1981**

Chiefly family and social news.  
In chronological order.

A.50 1961-1969.

A.51 1971-1974.

A.52 1975-1980.

A.53 1981.

**A.54-A.62 HISTORICAL INTERESTS 1913-1971, n.d.**

A.54 Correspondence *re* chapter on 'Biochemistry' for *A Century of Science*, 1949.

A.55 Correspondence *re* history of biochemistry, 1953.

A.56 Manuscript notes by C. Carrington on the murder of the Princes in the Tower, December 1953.

A.57 Correspondence and papers *re* history of British biochemistry, including correspondence with R.A. Peters, and material sent to Young by F. Challenger.



### Biographical

- A.58 Manuscript and typescript notes on Cambridge biochemistry.  
May relate to Young's publication 'The rise of biochemistry in the nineteenth century with particular reference to the University of Cambridge' (see D.28).
- A.59 Material *re* history of the Biochemical Society, sent to R.A. Morton by Young, February 1971; 6pp typescript draft on the history of the Society, n.d.
- A.60, A.61 Typescript drafts by M. Teich, n.d.  
Teich was a historian of science of Czechoslovak origin.
- A.60 'On the historical foundations of modern biochemistry', 23pp typescript + references.
- A.61 'The history of the uric acid synthesis. From Scheele to Horbaczewski', 4pp typescript.
- A.62 Miscellaneous material: letter from H. Kronecker to unknown recipient, 15 January 1913; reference from *US Armed Forces Medical Journal*, 1954; typescript list of references on the history of science, n.d.
- A.63-A.68                      PHOTOGRAPHS    1949, 1976, n.d.**
- A.63 Two photographs of Windermere, South Africa, 1949.  
Windermere was a shanty town in the shadow of Table Mountain, near Cape Town.
- A.64 Two photographs of Young and others at Ciba Foundation Conference on Control Processes in Multicellular Organisms, New Delhi, India, March 1969.  
See also E.48.
- A.65, A.66 Mounted group photographs of Darwin College occasions, 1976.  
Those featured are identified with a key.

**Biographical**

- A.65 'Charter Dinner'.
- A.66 'The Master and Fellows'.
- A.67 Mounted group photograph at unidentified occasion, n.d.
- A.68 Mounted group photograph at unidentified occasion, n.d.  
Participants have signed the bottom of the mount.
- A.69 **MISCELLANEOUS**
- A.69 Memorabilia, including poems.

**SECTION B**

**UNIVERSITY OF CAMBRIDGE**

**B.1-B.52**

B.1-B.21	LECTURES AND TEACHING
B.22-B.30	DEPARTMENT OF BIOCHEMISTRY
B.31-B.33	SCHOOL OF CLINICAL MEDICINE
B.34-B.36	ADMINISTRATION OF YOUNG'S POST- RETIREMENT RESEARCH
B.37-B.50	DUNN NUTRITION UNIT
B.51, B.52	MISCELLANEOUS

University of Cambridge

B.1-B.21	LECTURES AND TEACHING	1958-early 1970s
	Principally the contents of Young's folders of manuscript notes, pages of typescript drafts, duplicated typescript hand-outs. The inscriptions on the folders have been reproduced in the catalogue entries.	
B.1	'Part I Lecture 10.3.62 Inorganic metabolism'.	
B.2, B.3	'General Hand out sheets Part I 1968-69'. 2 folders.	
B.4	'Part 1A and 1B courses. Summary 1970-71'. Lists of lectures, lecturers, practicals etc.	
B.5	'Part 1A Lecture 2'. Some material dated 1969, 1973.	
B.6-B.8	'Part 1A Lecture 3'. Some material dated 1969, 1973-74. 3 folders.	
B.9	'Hormonal Control'. N.d. Manuscript notes not in Young's hand.	
B.10	'Hormones'. Reading list for Part II Biochemistry, 1958-1959.	
B.11	'Membrane structure & function'. N.d. Manuscript notes not in Young's hand.	

**University of Cambridge**

- B.12                    'Metabolic regulation Dr C.N. Hales'. N.d.  
Manuscript notes not in Young's hand.
- B.13                    'Nutrition'. Material used 1969-1974.  
This material relates to Part 1A Biochemistry lectures on nutrition.
- B.14-B.16            'Nutrition Diploma'.  
Lecture course delivered in Department of Agricultural Science and Applied  
Biology.
- B.14                    Correspondence *re* establishment and running of the course, 1968-1970.
- B.15                    Printed and duplicated typescript information, course syllabus, etc. 1968-  
1970.
- B.16                    Manuscript notes not in Young's hand.
- B.17, B.18            'Transport'.  
Manuscript notes not in Young's hand.  
2 folders.
- B.19                    Programme of Postgraduate Medical School Course on Fundamental and  
Practical Aspects of Diabetes, Addenbroke's Hospital, Cambridge, 16-18  
April 1959.
- B.20                    Duplicated typescript material for Department of Biochemistry, early 1970s.
- B.21                    Manuscript notes on lecture, n.d.

**University of Cambridge**

**B.22-B.30**                      **DEPARTMENT OF BIOCHEMISTRY**                      **1950-1973**

Young was appointed to the Sir William Dunn Professorship in Biochemistry, succeeding A.C. Chibnall in 1949. He retired from the Chair in 1975.

The material presented here is very scanty and bears little relation to the responsibilities of Young as Head of Department during a challenging period.

- B.22                      Cards with lists of Part II students, 1950-51 - 1971-72.
- B.23                      Cards with lists of new research workers, 1963-64 - 1972-73.
- B.24                      'Note on the subjects which may be studied at School as preparation for entry to University course in biochemistry', 2pp duplicated typescript, 1963.
- B.25                      'Extract from the Minutes of the Staff Meeting, Department of Biochemistry, 28 September 1965' on plans for the new building. 5pp duplicated typescript.
- B.26, B.27              Publicity brochure on 'The need for a new building for the Department of Biochemistry', 1966.
- B.26                      5pp duplicated typescript draft.
- B.27                      Copy of brochure.
- B.28                      Departmental booklet 'Arrangements for Research Workers, October 1969.
- B.29                      Report of the Head of Department for 1 October 1971 - 30 September 1972.
- B.30                      List of subjects of research within the department for 1972-73, 19 January 1973.

**University of Cambridge**

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|------------------|---|------------------|
| <b>B.31-B.33</b> | <b>SCHOOL OF CLINICAL MEDICINE</b>  | <b>1965-1981</b> |
| B.31             | 'Redraft by F.G. Young of the Report on the Institution of a Clinical School of Medicine in Cambridge', 14pp typescript, 6 September 1965.  |                  |
| B.32             | Spiral bound proceedings of meeting on 'Problems & Progress in the New Medical Schools' held in ?London on 15 July 1971.  |                  |
| B.33             | Correspondence with Sir John Butterfield, Regius Professor of Physic, <i>re</i> meetings of the School of Clinical Medicine Appeals Committee, 1980, 1981.  |                  |
| <b>B.34-B.36</b> | <b>ADMINISTRATION OF YOUNG'S POST-RETIREMENT RESEARCH</b>   | <b>1974-1977</b> |
|                  | Following retirement Young continued research with support from a Wellcome Trust grant for his 'investigation into the mechanisms whereby growth hormone diminishes the uptake of glucose by adipose and muscle tissue'. The work was undertaken in a laboratory at the new Addenbrooke's Hospital. |                  |
|                  | Correspondence with Wellcome Trust, University authorities, Professor J.S. Mitchell and others <i>re</i> the grant, accommodation for the work and progress on research, 1974-1977.   |                  |
| B.34             | 1974-1975.  |                  |
| B.35             | January - March 1976.   |                  |
| B.36             | April 1976 - January 1977.  |                  |

**University of Cambridge**

**B.37-B.50                      DUNN NUTRITION UNIT                      1977-1981**

The Dunn Nutrition Unit was a Medical Research Council (MRC) unit based in Cambridge.

B.37-B.39                      Dunn Nutrition Unit review

B.40-B.50                      Ethical Committee

**B.37-B.39                      Dunn Nutrition Unit review                      1977**

Young was asked by the MRC to comment on the Dunn Unit's report for 1973-1976.

B.37                      Brief correspondence and manuscript note on telephone conversation *re* the review, 1977.

B.38, B.39                      Background material including Dunn Nutrition Unit report.  
2 folders.

**B.40-B.50                      Ethical Committee                      1977-1981**

Young joined the Unit's Ethical Committee in 1978. The Committee reviewed research proposals involving human experiments for the ethical implications of their objectives and methodology.

B.40                      Introductory correspondence, February 1978, with background information.

B.41-B.43                      Papers of meetings of the Committee.

B.41                      20 March 1978.

B.42                      7 November 1978.

B.43                      9 October 1979.



**University of Cambridge**

- B.44-B.50                      Submissions to the Committee, 1977-1981.  
7 folders.
- B.51, B.52                      MISCELLANEOUS                      1963, 1981**
- B.51                              'Memorandum by F.G. Young, based on the Statement made at the Meeting of the [?Cambridge University] Press Syndicate on 15 February 1963', 19 February 1963.
- B.52                              Correspondence and papers *re* meetings of the Society for the History of the University, 1981.

**SECTION C**

**RESEARCH**

**C.1-C.106**

The material in this section is patchy coverage of Young's research from 1929 to the 1970s. The bulk of the material was found in very poor condition and preliminary conservation work notwithstanding, significant quantities of material could not be preserved and had to be discarded. Much of what has been retained requires careful handling as many documents are in a fragile condition.

The papers are presented in a broadly chronological order. Some were found in Young's own folders with an inscription thereon and these have been reproduced in the catalogue entries.

The bulk of the material relates to Young's work on the cause and mechanism of diabetes, with particular reference to the effect of growth hormone. The largest component of the section is an incomplete sequence of numbered experiments 1-607, running from 1958 to 1975 (see C.49-C.65, C.77-C.93, C.96-C.100, C.101-C.105). These were performed by D.C. Gardiner, an Assistant in the Cambridge Department of Biochemistry working under Young.

### Research

- C.1-C.3                      Work on Shea fat, 1929-1930.
- This was work carried out by Young and S.J. Hopkins at University College London under the direction of J.C. Drummond for the Advisory Committee on Oils and Fats of the Imperial Institute.
- The material was located by Young in the 1970s in response to a query from J. McL. Philp of Unilever who was researching shea fat.
- C.1                            'Report on Shea Fat Experiment Results to Sept 17th 1929', 3pp manuscript + typescript tables.
- C.2                            'A confidential report on the chemical and nutritive properties of Shea fat'. Presented to the Director of the Imperial Institute. Nov. 3rd, 1930'.
- 40pp typescript + 2pp tables.
- C.3                            Correspondence with J. McL. Philp, 1976, 1978.
- C.4-C.7                      'Glycogen'. Contents of Young's folder so inscribed divided into four for ease of reference. *Ca* 1932-1935.
- C.4                            Instructions for isolation of glycogen etc. *ca* 1932.
- C.5                            Miscellaneous data, including letter from A. Schoeller with results of tests, 9 December 1935.
- C.6                            Typescript bibliographies.
- C.7                            Graphs. Some dated 1935.
- C.8-C.11                      Contents of Young's folder divided into four for ease of reference: manuscript graphs, data and notes, 1935-1940.
- C.12                           'Statistics'. Contents of Young's folder so inscribed: duplicated typescript sheets of calculations from statistics; manuscript calculation. 1937.

### Research

- C.13 'Histology'. Contents of Young's folder so inscribed: typescript and manuscript instructions for preparations, notes, calculations etc, *re* work on pituitary gland. 1938-1939.
- C.14 'Immediate blood sugar raising action'. Contents of Young's folder so inscribed: pages of rough manuscript draft 'Anterior pituitary fractions and carbohydrate metabolism 3. The immediate glycaemic action', with manuscript data, calculations etc. 1940.
- C.15-C.25 'Early expts'. Contents of Young's box file so labelled.  
Work on diabetes in dogs, 1941-1944.  
The material within the box file was found in Young's folders, the inscriptions upon which have been reproduced in the catalogue entries.
- C.15 'Dog weights'.  
Data on weights of dogs, March 1941 - September 1943.
- C.16 'Dogs'.  
Graphs, data, 1941.
- C.17 '124 & 126'.  
Data from and photographs of two dogs. 1941-1942.
- C.18 'Puppies'.  
Data on growth rate of puppies, 1941-1942.
- C.19 'Dog summary tables'.  
Data from dogs, 1941.
- C.20 '4th paper. Diet & diabetes'.  
Data, 1941.

**Research**

- C.21-C.23            'Water balance 5th paper'.
- C.21                Typescript and graphs of work on 'F.G.S.' (extracts of fresh anterior pituitary), sent to Young by Cuthbertson, July 1944.
- C.22, C.23           Manuscript and typescript data, graphs etc. 1941-1944.  
2 folders
- C.24                'General species growth & diabetes. 6th paper'.  
Data, mostly work on puppy growth, 1941-1942.
- C.25                'N retention'.  
Typescript and manuscript data on nitrogen retention, n.d.
- C.26, C.27           'Thyroid expts (Rowlands)'. Contents of Young's folder so inscribed divided into two for ease of reference. 1943-1948.
- C.26                Correspondence with I.W. Rowlands, chiefly *re* supply of anterior pituitary extract, 1943-1948.
- C.27                Data, graphs etc, 1944-1946.
- C.28-C.32           'Current Notes'. Contents of Young's folder so inscribed divided into five for ease of reference. 1948-1958.
- C.28                Typescript notes on diabetes literature, 1948-1949.
- C.29-C.32           Data from diabetes experiments on cats, 1955-1958.  
4 folders.

**Research**

- C.33-C.40            'Miss M.B. Thomas Results'. Contents of Young's box file so labelled. 1954-1961, n.d.
- Marjory Thomas assisted with research into diabetes in rats.
- Much of the material within the box file was found in Young's folders, the inscriptions upon which have been reproduced in the catalogue entries (C.34-C.40).
- C.33                Correspondence with A. Jefferson, Radcliffe Infirmary, Oxford (later at the Royal Infirmary, Sheffield), 1954-1961.
- The correspondence mainly concerns human pituitary glands.
- C.34-C.40           Folders of data.
- C.34, C.35           'Assays on Human pituitary'.
- Data, 1954-1955.
- 2 folders.
- C.36                'Protocols for experiments'.
- Data, 1955-1957.
- C.37                'Surveyed results for each test'.
- Data, 1958.
- C.38                'Detailed results for each test'.
- Data, 1958.
- C.39                'Assays on Ox fractions'.
- Data, n.d.
- C.40                'Thyroids, Adrenals, Uteri, Ovaries'.
- Data, n.d.

### Research

- C.41, C.42                    Contents of Young's folder: data on growth hormone, May - June 1955.  
  
2 folders.
- C.43                            'Preparation of Ox growth hormone'. Contents of Young's folder so  
inscribed: 2pp typescript note on 'Some observations on the first attempt to  
prepare growth hormone by Li's method', by B.R. Slater, 26 July 1956;  
correspondence with G.H. Lathe and K. Weinbren, 1957-1962; 2pp  
typescript instruction for 'Preparation of growth hormone'.
- C.44, C.45                    'Insulin (Misc)'. Contents of Young's folder so inscribed divided into two for  
ease of reference. 1957-1961.
- C.44                            Instructions of extraction of insulin from cat pancreas, December 1957;  
correspondence with I. de B. Daly, University Laboratory of Physiology,  
Oxford, re uptake of glucose by lung tissue, 1961.
- C.45                            Typescript drafts by Young prepared on the award of the Nobel Prize for  
Chemistry to F. Sanger in 1958.  
  
Sanger received the award for his research on the structure of insulin.  
  
2pp, for *Nature*; 7pp + captions for lecture.
- C.46                            Manuscript notes on experiment on glucose uptake and insulin, 9 October  
1958. Signed 'D. Gardiner'.
- C.47                            'Research. Current calculations'. Contents of Young's folder so inscribed:  
manuscript data, graphs, calculations on effect on insulin on adipose and  
diaphragm tissue, 1958-1959.
- C.48                            'Human growth hormone'. Contents of Young's folder so inscribed: typescript  
notes on 'Human growth hormone - a situation report' by A. Korner, 4pp, ca  
1958; 'Extraction of growth hormone from human pituitaries', 6pp; data on  
amino acid composition of growth hormone, n.d.

### Research

- C.49-C.65                      Numbered experiments, 1958-1961.
- This material is the beginning of an extended project of work 1958-1975. It comprises manuscript notes on experiments conducted by D.C. Gardiner, an assistant in the Department of Biochemistry. The material includes number, date, description of the procedure and results. Most of the individual pages are initialled or signed by Gardiner.
- The sequence continues at C.77-C.93, C.96-C.100 and C.101-C.105.
- C.49                              List of experiments 9-159, (8 December 1958 - 9 October 1961).
- The list gives number, date, type of animal, source of blood and remarks on the experiments.
- C.50-C.56                      Experiments 1-19, 21-45 (17 October 1958 - 12 August 1959).
- 7 folders.
- C.57-C.61                      Experiments 47-86 (17 September 1959 - 28 June 1960).
- 5 folders.
- C.62-C.64                      Experiments 88-124 (29-30 August 1960 - 22 February 1961)
- 3 folders.
- C.65                              Experiments 131-145 (18 April - 14 June 1961)
- C.66, C.67                      'Human diabetic pancreas'. Contents of Young's folder so inscribed divided into two for ease of reference: correspondence *re* supply of frozen pancreas samples, 1959-1961.
- C.68                              Laboratory reports on samples of blood, 1959-1960; 4pp manuscript note on 'Blood Gases' found therewith, 22 March 1960.
- All in hand of 'Davison'.
- C.69                              'Some notes on protein synthesis. A note for the RNA Tie Club' by F.H.C. Crick and S. Brenner, 8pp duplicated typescript, December 1959.



### Research

- C.70-C.73 'Dr Martin-Hernandez'. Contents of Young's folder so inscribed divided into four for ease of reference: manuscript data, notes and calculations on epididymal adipose and diaphragm tissue, *ca* 1959.
- Martin-Hernandez was a Juan March Foundation Fellow in the Department of Biochemistry. He was a co-author with D.C. Gardiner and Young of 'Influence of oxygenation and deoxygenation on distribution of insulin activity among blood-plasma protein fractions', *The Lancet*, 10 December 1960.
- Includes material in Young's hand.
- C.74 Manuscript and typescript data etc from experiments on diabetes in dogs, September - November 1960.
- C.75 Correspondence with D.C. Gardiner (Young in Australia and Singapore) *re* progress of experiments, November 1960.
- C.76 Manuscript data on 'Assay 39', 25 October 1961.
- C.77 'Dog Expts'. Contents of Young's folder so inscribed: letter from G. Whitby with data on dog plasma, May 1962; manuscript data and graphs, 1962.
- C.77-C.93 Numbered experiments, 1962-1968.
- Manuscript notes on experiments conducted in Department of Biochemistry. The material may include number, date, and description of the procedure and results. Some of the individual pages are initialled or signed by D.C. Gardiner.
- The sequence is continued from C.49-C.65 and continues at C.96-C.100 and C.101-C.105.
- C.77, C.78 Experiments 173-189 (8 January 1962 - 3 April 1962).
- 2 folders.
- C.79 Experiment 233 (23 April 1963).
- C.80 Experiment 243 (9-13 September 1963), with associated data 1962.

**Research**

- C.81 Experiments 262-269 (30 April - 16 June 1964).
- C.82 Experiments 272-281 (29 July 1964 - 21 January 1965).
- C.83 Experiment 291 (25 March 1965).
- C.84 Experiments 301 and 306 (5 August and & October 1965).
- C.85 Experiments 317-326 (27 January - 3 May 1966).
- C.86 Experiments 338-340 (6-19 October 1966).
- C.87-C.89 Contents of Young's folder.
- C.87 Data from experiments 346, 348, 349 (dated in January 1967).
- C.88 Data from experiments 377, 380, 385 (dated 1967-1968).
- C.89 Correspondence with colleagues requesting advice on various aspects of work on proteins in blood, July 1968.  
  
Correspondents are G.S. Adair, A.S.V. Burgen, R.A.Kekwick, A.T. Phillipson.
- C.90 Experiments 348-351 (15 December 1966 - 12 January 1967).
- C.91 Experiments 355-359 (6 April - 20 June 1967).
- C.92, C.93 Experiments 371-394 (6 October 1967 - 22 May 1968).  
  
2 folders.

### Research

- C.94 'Dr Rosie Young'. Contents of Young's folder so inscribed: 3pp manuscript notes, April 1963.
- C.95 1p typescript note on 'Preparation of insulin inhibitor from pancreas', June 1963.
- C.96-C.100 Numbered experiments, 1968-1970.  
  
Manuscript and photocopy manuscript notes on experiments conducted in Department of Biochemistry. The material may include number, date, description of the procedure and results.  
  
The sequence is continued from C.49-C.65, C.77-C.93 and continues at C.101-C.105.
- C.96 Experiments 408-412 (26 September - 7 November 1968).
- C.97 Experiment 420 (10 January 1969).
- C.98 Experiments 425-438 (25 February - 1 August 1969).
- C.99 Experiments 441-447 (30 September - 26 November 1969).
- C.100 Experiments 468-472 (7 August 1970 - 9 October 1970).
- C.101-C.105 Numbered experiments, 1974-1975.  
  
Manuscript and photocopy manuscript notes on experiments conducted in Department of Biochemistry. The material may include number, date, description of the procedure and results.  
  
Some of the individual pages are initialled or signed by D.C. Gardiner.  
  
The sequence is continued from C.49-C.65, C.77-C.93 and C.96-C.100.
- C.101-C.103 Experiments 541-585 (22 May 1973 - 30 November 1974).  
  
3 folders.

**Research**

- C.104, C.105            Experiments 587-607 (12 December 1974 - 23 September 1975).  
2 folders.
- C.106                    'Extract from a Letter from F.G. Young to Dr P.O. Williams, Director of the  
Wellcome Trust, dated 7 November 1975', 3pp typescript.
- The extract reports on Young's research from March 1974 on growth  
hormone and glucose uptake.

**SECTION D**

**PUBLICATIONS**

**D.1-D.63**

The material in this section is uneven coverage of Young's publications from 1938 to 1982, presented in a chronological sequence. Documentation of Young's published output is disappointing; the section is dominated by material relating to Young and C.N. Hales's 1982 Royal Society Biographical Memoir of C.H. Best.

Where applicable reference is made to Young's two bibliographies at A.9 and A.10. The first bibliography is titled 'Series 1 Publications - Scientific papers'. It covers what he considered to be his weightier scientific articles and runs 1931-1974. The second is 'Series 2 Publications - Non-scientific and minor scientific papers', 1930-1975. The references are in the form *Bibliog. 1*, no. ... and *Bibliog. 2*, no. ... respectively. A number of drafts were not listed in the bibliographies.

At D.62, D.63 are sets of Young's offprints from series 1 and series 2 respectively.

D.1-D.57	DRAFTS
D.58-D.60	LETTERS TO THE PRESS
D.61	EDITORIAL CORRESPONDENCE
D. 62, D.63	OFFPRINTS

**Publications**

D.1-D.57	DRAFTS	1938-1982
D.1	'Studies on the fractionation of diabetogenic extracts of the anterior pituitary gland', <i>Bibliog. 1</i> , no. 25 (1938).  23pp typescript.	
D.2	'Growth and diabetes in normal animals treated with pituitary (anterior lobe) diabetogenic extract', <i>Bibliog. 1</i> , no. 65 (1945).  47pp typescript with manuscript corrections.	
D.3	'Growth and diabetes in diabetic animals treated simultaneously with pituitary (anterior lobe) diabetogenic extract and insulin', Not listed in <i>Bibliogs.</i> , but relates to D.2 above. ca 1945.  3pp typescript.	
D.4	'Part 2 An anti-insulin factor from the pancreas'. Latest bibliographical reference 1945.  33pp typescript and manuscript draft.	
D.5	'Species variation in growth-promoting and diabetogenic activities of extracts of the anterior pituitary gland'. Latest bibliographical reference 1945.  7pp typescript.	
D.6	'Biochemistry', <i>Bibliog. 2</i> , no. 44 (1951).	
D.7	'A note on the possible agricultural usefulness of growth hormone'. Latest bibliographical reference 1953.  6pp duplicated typescript.	
D.8	'The chemistry of growth hormone'. Latest bibliographical reference 1954.  11p typescript + bibliography.	

### Publications

- D.9 'Melanocyte-stimulating hormone and corticotropin'. Latest bibliographical reference 1954.  
11pp typescript.
- D.10 'The chemistry of insulin'. November 1955.  
8pp typescript.
- D.11, D.12 'The hormones of the anterior pituitary gland'. Latest bibliographical reference 1955.  
64pp typescript + bibliography.  
2 folders.
- D.13 'Synthesis of ascorbic acid in animal tissues', *British Medical Journal*, 18 June 1960. No author given.  
7pp typescript annotated 'corrected' + photocopy of published article.
- D.14 'Insulin activity in circulating blood plasma', *Bibliog.* 1, no. 139 (1961).  
13pp typescript.
- D.15 '50th anniversary celebrations of the Biochemical Society', *Bibliog.* 2, no. 64 (1961).  
3pp typescript.
- D.16 'The rise of biochemistry between 1800 and 1900', *Bibliog.* 1, no. 144 (1962).  
25pp typescript.
- D.17 'The problem of insulin action', *Bibliog.* 2, no. 70 (1963).  
16pp typescript.

### Publications

- D.18 'The role of pituitary growth hormone in the control of metabolic processes', *Bibliog. 1*, no. 150 (1965).  
13pp typescript + table and bibliography.
- D.19 'Outstanding unanswered questions concerning experimental diabetes', *Bibliog. 1*, no. 155 (1965).  
25pp + 4pp references.
- D.20 'General metabolism', annotated 'New Scientist 1965'. Probably early version of 'The uses of energy', *Bibliog. 2*, no. 75 (1965).  
18pp.
- D.21 'Growth hormone and carbohydrate metabolism in vitro' with G. Bolodia, *Bibliog. 1*, no. 153 (1967).  
3pp typescript.
- D.22 'The pituitary gland and diabetes', *Bibliog. 1*, no.154 (1967).  
20pp duplicated typescript + 4p references.
- D.23 'Growth hormone and diabetes mellitus', *Bibliog. 2*, no. 79 (1967).  
3pp typescript.
- D.24 'A short history of Darwin College, Cambridge', *Bibliog. 2*, no. 80 (1967).  
9pp duplicated typescript.
- D.25 'Experimental diabetes following growth-hormone' with T.E. Martin, *Bibliog. 1*, no.158 (1969).  
16pp typescript.



### Publications

- D.26 'The development of ideas about the mode of action of insulin', *Bibliog. 1*, no. 159 (1969).  
23pp + 2pp references.
- D.27 'The evolution of ideas about animal hormones', *Bibliog. 1*, no. 161 (1970).  
48pp.
- D.28 'The rise of biochemistry in the nineteenth century with particular reference to the University of Cambridge', *Bibliog. 1*, no. 163 (1971).  
See also A.58.  
27pp + 3pp references.
- D.29 Obituary of Asher Korner, for *The Times*, dated 24 September 1971.  
1p typescript.
- D.30 Obituary of B.A. Houssay, for *British Medical Journal*, dated 24 September 1971.  
1p typescript.  
Addition to obituary of Houssay in *The Times*, dated 24 September 1971.  
1p typescript.
- D.31 Material assembled in connection with obituary of H. Lehmann for *The Times*, 1971.  
Young was asked to prepare an advance obituary for Lehmann for *The Times* by L.P. Wilkinson in 1971.  
Includes correspondence *re* Young's draft and miscellaneous biographical information on Lehmann.
- D.32 'B.C. Guha - Friend and colleague for nearly forty years', *Bibliog. 2*, no. 96 (1972).  
3pp typescript.

### Publications

- D.33 Manuscript draft biographical note on Joseph Needham, dated November 1981.
- D.34-D.56 'Charles Herbert Best' with C.N. Hales, *Biographical Memoirs of Fellows of the Royal Society*, vol 28 (1982).
- This extensive material was assembled by Young in preparing his Royal Society Biographical Memoir of Best, who worked with F.G. Banting, winner of the 1923 Nobel Prize for work on insulin. See also H.3-H.16.
- It includes historical material, including photocopies of archival material held in Canada and London, relating to the career of Best and the discovery of insulin, some of which may originally have come to Young through his work on the International Diabetes Federation's Special Committee established to report on the 'work leading up to the discovery of insulin', 1970-1971 (F.114-F.121).
- D.34 Proof copy of memoir.
- D.35 51pp photocopied typescript draft.
- D.36 Correspondence 1971-1972.
- Correspondents include Best, Sir Charles Dodds and Sir John Butterfield.
- D.37-D.39 Correspondence, chiefly with the Royal Society and C.N. Hales, re preparation of the Memoir, 1978-1982.
- D.37 April - August 1978.
- D.38 September 1978.
- Bibliography of Best's publications.
- D.39 November 1978 - June 1982.
- D.40-D.45 'Documents in Wellcome Inst. for the History of Medicine and relevant correspondence'. Contents of Young's folder so inscribed divided into six for ease of reference.

### Publications

- D.40 Correspondence, chiefly with Wellcome Institute for the History of Medicine re archive material relating to the discovery of insulin, 1978-1979.  
  
Includes 1971 correspondence referred to by Young.
- D.41 Manuscript notes by Young:  
  
'Note by the late Sir Henry Dale F.R.S. about discovery of insulin', 3pp.  
  
'Unpublished note by the late Sir Henry Dale F.R.S. on the discovery of insulin', 2pp.
- D.42 'Notes dated October 1959 by H.H. Dale, on the documents bearing on the "Insulin Controversy", which were submitted by C.H. Best for deposition in the Wellcome Historical Medical Library'.  
  
6pp photocopied typescript; copy of first page 'Edited by F.G.Y. Dec. 1971'.
- D.43-D.45 Photocopied typescript copies of correspondence 1922 and 1957.  
  
3 folders.
- D.46-D.50 'Correspondence with Michael Bliss'. Contents of Young's folder so inscribed divided into five for ease of reference.  
  
Bliss was Professor of History at the University of Toronto, writing a book on the history of the discovery of insulin. He and Young exchanged information and copies of relevant documents.
- D.46 June - December 1980.
- D.47 27 November 1980.  
  
Copies of archival material 1921-1922.
- D.48 January 1981.
- D.49 February - July 1981.

### Publications

- D.50 September 1981 - January 1982.
- D.51-D.56 'C H Best Misc articles including obituary notices'. Contents of Young's folder so inscribed divided into six for ease of reference: printed and typescript background material.
- D.57 'The Reverend Canon Arthur Royle', n.d.  
2pp typescript.
- D.58-D.60                    LETTERS TO THE PRESS                    1958-1962**
- D.58 1958. *The Times*. Letter on Scholarship awards, published 5 February 1958.  
  
1961. *The Times*. Letter on heating in trains. No evidence of publication.
- D.59 1962. *The Times* and the *Guardian*. Letters on school leavers gaining work experience abroad before taking up university places.  
  
The letter was rejected by *The Times* and sent to the *Guardian* who published it on 22 March 1962.  
  
Young's son Thomas worked in Uganda between leaving school and going to university.
- D.60 1962. *The Times*. Letter on shortage of qualified staff in newly-independent countries. No evidence of publication.
- D.61                         EDITORIAL CORRESPONDENCE                         1968-1974**
- D.61 Correspondence with Italian journal *Recenti Progressi in Medicina* re article for the journal.  
  
The correspondence was protracted, with Young eventually offering to co-author an article with C.N. Hales.

### Publications

D.62, D.63

**OFFPRINTS**

**1931-1982**

D.62

Offprints from 'Series 1'. Also includes three later offprints.

D.63

Offprints from 'Series 2'.

**SECTION E                      LECTURES AND SPEECHES**

**E.1-E.88**

The material in this section covers Young's public and invitation lectures and speeches 1936-1977 and n.d. Young was frequently invited to lecture and some of his lectures were subsequently published. He was also a sought-after speaker at social functions and as a Trustee and member (then Chairman) of the Executive Council of the Ciba Foundation he was called upon to speak at many Ciba Foundation functions.

Presented in a chronological sequence.

- E.1                      'Glycogen and the metabolism of carbohydrates', course of four lectures, University College London, January - February 1936.
- Poster only.
- E.2                      'Experimental diabetes mellitus', 16th Charles E. Dohme Memorial lectures, Johns Hopkins University, Baltimore, 8 and 9 February 1950.
- Young lectured on 'The role of the anterior pituitary gland in carbohydrate metabolism' and 'The control of experimental diabetes'.
- Notice; typescript notes for first lecture + manuscript list of slides; manuscript note for second lecture.
- E.3                      Speech seconding toast to the Department of Biochemistry at University College London, ca 1950.
- 3pp typescript notes.
- E.4                      'CUP Old Comrades Dinner 14/1/54'.
- 2pp manuscript notes.
- E.5-E.11                'Sudbury'. Contents of Young's folder so inscribed divided into seven for ease of reference.
- The material relates to three addresses and lectures that Young gave which referred to Simon Theobald (Simon of Sudbury) (d.1381), Archbishop of Canterbury 1375-1381. He was killed in the Peasants' Revolt and a head, purported to be his, was to be seen at St Gregory's Church, Sudbury, Suffolk.

**Lectures and speeches**

- E.5 Oration on Dr Eden's Day, Trinity Hall, 3 December 1954.  
10pp typescript (Latin); 4pp duplicated typescript translation.
- E.6 Correspondence and papers arising.  
Chiefly correspondence with W.L. Warren, a historian at Exeter College Oxford researching Simon of Sudbury, 1954-1955.
- E.7 'Simon of Sudbury's Head', address at Ciba Foundation Dunant Coterie dinner meeting, 6 February 1961.  
Notice and menu of dinner; 13pp typescript.
- E.8 Correspondence *re* the head, 1962-1965.
- E.9 'Simon of Sudbury's Head', lecture at College of St Mark, Audley End, Essex, 3 February 1972.  
Correspondence *re* arrangements, 1971-1972; 18pp typescript, with manuscript notes on last page, 31 January 1972.
- E.10 Correspondence and papers, 1977-1981.  
Includes material *re* Canterbury Cathedral commemoration of Simon of Sudbury, 13 June 1981.
- E.11 Printed and typescript background information on Simon of Sudbury.
- E.12 Speech introducing K.U. Linderstrøm-Lang as 9th Ciba Foundation Lecturer, 4 December 1957.  
3pp typescript notes.
- E.13 'Some aspects of the biochemistry of insulin' with K.L. Manchester and P.J. Randle, Istituto Superiore di Sanita, Rome, Italy, 19 February 1958.  
29pp typescript + legends for figures.

**Lectures and speeches**

- E.14                      Speech at Alleyn's School prize-giving, 24 July 1958.  
6pp typescript notes with manuscript additions.
- E.15                      Speech at Ciba Foundation dinner, 29 July 1958.  
3pp typescript notes.
- E.16                      Speech proposing toast to Fred Sanger, November 1958.  
3pp typescript notes.
- E.17                      Proposal of vote of thanks to C.H. Best, 23 June 1959.  
2pp typescript.
- E.18                      Speech at University College [London] Physiological Society dinner, 23  
November 1959.  
6pp typescript.
- E.19                      Speech at 'S.K.F. Dinner', 29 April 1960.  
2pp typescript.
- E.20-E.23                'Lectures in Australia', August 1960.  
  
Series of four lectures numbered A-D. 'A' has the annotation 'Lectures in  
Australia'.
- E.20                      'Experimental investigations on diabetes mellitus'.  
25pp typescript + list of slides.
- E.21                      'The influence of hormones on protein biosynthesis'.  
19pp typescript + list of slides.



**Lectures and speeches**

- E.22                    'Recent researches on the mechanism of action of insulin'.  
31pp typescript + list of slides.
- E.23                    'Some aspects of the hormonal control of growth'.  
24pp typescript + list of slides.
- E.24                    'Talk recorded for "Speaking Generally" on 25.11.60'. Annotated 'Sydney, Australia'.  
4pp typescript.
- E.25                    Speech at Hopkins Centenary Tea Club, 11 October 1961.  
5pp typescript.
- E.26                    Speech at Alleyn's School Old Boys dinner, 15 November 1961.  
4pp typescript.
- E.27                    'Draft Speech for 20 March 1962. Principal Assistants Forum'.  
4pp typescript with manuscript corrections and additions.
- E.28                    Talk to 'Tea Club', 23 May 1962.  
Manuscript and typescript draft.
- E.29                    Speech proposing health of J.F. Danielli, Ciba Foundation, 13 February 1963.  
6pp typescript with manuscript corrections.
- E.30-E.32             Three lectures dated March 1963.  
  
Similar in format to those at E.20-E.23 above, these may be a series of lectures delivered while on a visit.

**Lectures and speeches**

- E.30                    'The aetiology of diabetes'.  
31pp typescript.
- E.31                    'On insulin and its action'.  
28pp typescript.
- E.32                    'The hormonal control of protein biosynthesis'.  
32pp typescript.
- E.33                    Speech at meeting of British Diabetic Association and ?Irish Diabetic  
Society, Dublin, Ireland, '26 & 27 April 1963'.  
4pp typescript with manuscript corrections.
- E.34                    Speech at dinner of the Conference on Metabolism and Physiological  
Significance of Lipids, Cambridge, 20 September 1963.  
6pp typescript with manuscript corrections.
- E.35                    Speech at Medical and Scientific Section of British Diabetic Association  
Dinner, 11 October 1963.  
5pp manuscript.
- E.36                    'On insulin and insulin antagonism', Finlayson Lecture, Royal College of  
Physicians and Surgeons of Scotland, 11 November 1963.  
39pp typescript.
- E.37                    'One hundred and fifty years of biochemistry', 'paper delivered to Eranus', 19  
November 1963.  
30pp typescript.

**Lectures and speeches**

- E.38                      Speech to 'C.G.S.C.', May 1964.  
  
2pp typescript + manuscript annotation.
- E.39                      Speech of welcome as Master of Darwin College to the 'Vice-Chancellor, Mr Rayne, Lord Tangly and the Trustees of the Max Rayne Foundation, Trustees of Darwin College', 28 January 1965.  
  
15pp typescript.
- E.40                      'The education of scientists', Annual Conference of the Regional Advisory Council for Technological Education, London and Home Counties, Cambridge, 13-17 September 1965.  
  
12pp duplicated typescript.
- E.41                      'Studying in depth. Part II of the Natural Sciences Tripos in Biochemistry, University of Cambridge', Association for the Study of Medical Education, Royal College of Physicians of London, 13 May 1966.  
  
Published as *Bibliog.* 2, no. 77 (1967).  
  
12pp duplicated typescript.
- E.42                      Speech at Presentation of Certificates, Owlstone Road Nurses Home, Cambridge, 26 January 1967.  
  
15pp typescript with manuscript corrections and additions.
- E.43                      Speech at dinner of British Society for International Health Education, Ciba Foundation, London, 5 January 1968.  
  
6pp typescript 'Draft (2nd)' with extensive manuscript corrections.
- E.44                      'Hormones and biochemistry. Growth and future aspects', 2nd Capri Conference, 9 April 1968.  
  
13pp typescript.

**Lectures and speeches**

- E.45 'Growth and diabetes', 'CGSC', 6 May 1968.  
40pp typescript.
- E.46 'Growth hormone insulin antagonism', 7th Research Symposium, American Diabetes Association, Boston, Massachusetts, USA, September 1968.  
19pp + figures for slides.
- E.47 Speech for 'Marrian Dinner', 3 October 1968.  
7pp typescript with manuscript corrections.
- E.48 Chairman's Speech at Ciba Foundation Symposium dinner, New Delhi, India, 20 March 1969.  
See also A.64.  
3pp typescript.
- E.49 1p manuscript notes titled 'Speeches', April 1969.
- E.50 Speech at Osler Medical Society dinner, Oxford, 20 May 1969.  
8pp manuscript; 3pp typescript 'typed 26 May 1970'.
- E.51 'Hormones, enzymes and drugs', Inaugural lecture, 29th International Congress of Pharmaceutical Sciences, 8 September 1969.  
Published as *Bibliog.* 2, no. 87 (1969).  
42pp typescript + references.
- E.52 Speech on farewell dinner for A.C. Stewart-Clark, 8 January 1970.  
Typescript draft.

**Lectures and speeches**

- E.53                      Speech at Ciba Foundation molecular biology symposium dinner in honour of F.H.C. Crick.  
  
5pp typescript with manuscript corrections.
- E.54                      Speech at Darwin College Commemoration Dinner, 29 January 1970.  
  
4pp typescript.
- E.55                      Speech at AGM of British Nutrition Foundation, 20 October 1970.  
  
7pp typescript.
- E.56                      Speech at dinner for the Medical Advisory Board of the British Sugar Bureau, 10 December 1970.  
  
Manuscript draft.
- E.57                      Speech at Ipswich Hospital Management Committee Annual Christmas Dinner, 13 January 1971.  
  
6pp typescript with manuscript corrections.
- E.58                      Speech at Ciba Foundation dinner in honour of Professor Hans Keller, 26 March 1971.  
  
4pp typescript with manuscript corrections.
- E.59                      Speech at Annual Luncheon of the Flour Milling and Baking Research Association, 28 April 1971.  
  
5pp typescript.
- E.60                      Speech at luncheon of the AGM of the British Nutrition Foundation, 14 October 1971.  
  
3pp typescript.

**Lectures and speeches**

- E.61 Introduction of R.A. McCance on the occasion of his Prize Lecture of the British Nutrition Foundation, 14 October 1971.  
2pp typescript.
- E.62 Speech at Ciba Foundation Symposium dinner, 20 October 1971.  
7pp typescript.
- E.63 Speech at Ciba Foundation Symposium on Hard Tissue, Growth, Repair and Remineralisation', 27 June 1972.  
7pp typescript with manuscript corrections.
- E.64 Speech at luncheon of the AGM of the British Nutrition Foundation, 7 November 1971.  
6pp typescript.
- E.65 Introduction of Sir Rudolph Peters on the occasion of his Prize Lecture of the British Nutrition Foundation, 7 November 1971.  
2pp typescript.
- E.66 Speech at Ciba Foundation Symposium on Corneal Graft Failure, 16 November 1972.  
4pp typescript.
- E.67 Speech at Deborah Yoffe's wedding to Nigel Bax, January 1974.  
3pp typescript draft with manuscript additions and corrections.
- E.68 Speech at dinner to celebrate A.C. Chibnall's 80th birthday, February 1974.  
7pp typescript draft with manuscript additions and corrections.

**Lectures and speeches**

- E.68A 'Metabolic balance', British Diabetic Association Branches Conference, Edinburgh, 5-7 April 1974.  
Manuscript draft paginated [1]-21.
- E.69 Speech at Ciba Foundation 25th Anniversary Symposium, June 1974.  
4pp typescript with manuscript corrections.
- E.70-E.73 'Insulin in retrospect and prospect', University of Aberdeen, 17 October 1974.
- E.70 32pp typescript with manuscript corrections and additions.
- E.71 Typescript sections of draft; manuscript notes.
- E.72 Figures for slides.
- E.73 Correspondence found with preceding, chiefly *re* history of insulin, and *re* arrangements, 1971-1976.
- E.74 Speech at Ciba Foundation dinner in honour of A. Haddow, 17 January 1975.  
6pp typescript draft with manuscript corrections.
- E.75 Speech at Ciba Foundation Symposium on Monoamine Oxidase, May 1975.  
4pp typescript.
- E.76 'The nutrition of a biochemist', Annual Lecture of British Nutrition Foundation, 27 November 1975.  
18pp typescript.

**Lectures and speeches**

- E.77                      Speech at dinner marking final meeting of the Clinical School Planning Committee, Cambridge, 14 December 1975.  
  
9pp typescript with manuscript additions.
- E.78                      'Nutrition and its study', Royal Society of Medicine, 19 January 1976.  
  
8pp typescript with manuscript corrections + 1p manuscript notes.
- E.79                      Speech at [?Darwin] College Commemoration, 29 January 1976.  
  
2pp manuscript notes.
- E.80                      Speech at Ciba Foundation Symposium on Breast-feeding and the Mother, 3 March 1976.  
  
8pp typescript.
- E.81                      Speech at Darwin College occasion, 7 May 1976.  
  
2pp manuscript notes.
- E.82, E.83                'Insulin, 1921-1977', Linacre Lecture, St John's College Cambridge, 6 May 1977.  
  
E.82                      38pp manuscript draft.
- E.83                      Brief correspondence *re* arrangements, 1977; poster.
- E.84                      'Introduction of Dame Harriet Chick', Ciba Foundation, n.d. [ca 1974]  
  
5pp typescript with manuscript corrections.
- E.85                      'Caries-resistant teeth', Ciba Foundation, n.d.  
  
8pp typescript.



**Lectures and speeches**

- E.86                    'Biochemistry', inscribed 'Penguin symposium', n.d.  
18pp typescript.
- E.87                    Manuscript drafts of speeches and lectures, n.d.
- E.88                    'Words'. Contents of Young's folder so inscribed: miscellaneous anecdotes,  
puns etc kept by Young for use in speeches and lectures.

**SECTION F**                      **SOCIETIES AND ORGANISATIONS**                      **F.1-F.331**

F.1	AMERICAN DIABETES ASSOCIATION
F.2	ASSOCIATION OF FRIENDS OF UNIVERSITY COLLEGE LONDON
F.3	BIOCHEMICAL SOCIETY
F.4-F.16	BRITISH DIABETIC ASSOCIATION
F.17-F.45	BRITISH NUTRITION FOUNDATION
F.46-F.48	CAMBRIDGE PHILOSOPHICAL SOCIETY
F.49-F.73	THE CARPHOLOGISTS
F.74-F.77	CHINESE UNIVERSITY OF HONG KONG
F.78-F.97	CIBA FOUNDATION
F.98-F.112	EDWARD ALLEYN CLUB
F.113	ENDOCRINE SOCIETY
F.114-F.123	INTERNATIONAL DIABETES FEDERATION
F.124, F.125	INTERNATIONAL DICTIONARY OF BIOLOGY AND MEDICINE
F.126-F.152	INTERNATIONAL UNION OF BIOCHEMISTRY
F.153-F.156	MEDICAL RESEARCH COUNCIL
F.157-F.275	MINISTRY OF HEALTH (later DEPARTMENT OF HEALTH AND SOCIAL SECURITY)
F.276-F.279	ROYAL COLLEGE OF PHYSICIANS OF LONDON

**Societies and organisations**

F.280-F.306	ROYAL COMMISSION ON MEDICAL EDUCATION
F.307-F.311	ROYAL SOCIETY CLUB
F.312-F.331	UNIVERSITY COLLEGE OF RHODESIA AND NYASALAND

**Societies and organisations**

**F.1                    AMERICAN DIABETES ASSOCIATION                    1973-1975**

F.1                    Notices of 1974 and 1975 annual meetings.

**F.2                    ASSOCIATION OF FRIENDS OF UNIVERSITY COLLEGE                    1980**  
**LONDON**

F.2                    Correspondence *re* membership and events.

**F.3                    BIOCHEMICAL SOCIETY                    1981**

F.3                    Correspondence *re* Young's Honorary Membership of the Society and  
exchange with W.F.J. Cuthbertson *re* the membership records of the  
Society.

**F.4-F.16                    BRITISH DIABETIC ASSOCIATION                    1973-1981**

F.4-F.12                    Review Body

F.13-F.16                    Executive Council

**F.4-F.12                    Review Body                    1973-1976**

This was established in April 1972 to assess work done by the Association's Research Groups at universities and hospitals in the UK, comment on whether support should be continued and make other relevant suggestions. Young was appointed convenor of the Review Body.

The material is the contents of Young's three paper folders and this arrangement has been retained. Young's inscriptions on the folders have been reproduced in the catalogue entries.

**Societies and organisations**

- F.4, F.5                    'File copies of review body reports', March - December 1973.  
  
2 folders.
- F.6-F.9                    'Visit to Dr J.D.N. Nabarro's Group', October 1973 - April 1975.
- F.6                        Correspondence, chiefly *re* arrangements to visit Nabarro's research group at the Middlesex Hospital, October 1973 - March 1975.
- F.7                        'Report of the work done by the British Diabetic Association Research Group at the Middlesex Hospital and Medical School October 1970 - December 1974.' by J.D.N. Nabarro, 21pp typescript.
- F.8                        Photocopy of original 'Application for the formation of a British Diabetic Association Research Group at the Middlesex Hospital Medical School' by Nabarro, found with preceding, *ca* 1969.
- F.9                        Young's manuscript note 'B.D.A. Review 11.4.75'.
- F.10-F.12                'B.D.A. General Review. Comments of members', October 1973 - January 1976.  
  
General correspondence *re* work of the Review Body and report
- F.10                        1973, 1974.
- F.11                        January - June 1975.  
  
Includes Young's draft notes for 'British Diabetic Association - Proposed review by the Review Body of its activities to date', February 1975.
- F.12                        July 1975 - January 1976.  
  
Includes first draft of Review Body report by J.D. Baird and comments thereon, July 1975.

**Societies and organisations**

<b>F.13-F.16</b>	<b>Executive Council</b>	<b>1979-1981</b>
	Papers of meetings of Council.	
F.13	July 1979.	
F.14	September 1979.	
F.15	November 1979.	
F.16	September 1981.	
<b>F.17-F.45</b>	<b>BRITISH NUTRITION FOUNDATION</b>	<b>1970-1980</b>
	Young was President of the British Nutrition Foundation (BNF) 1970-1976, resigning for health reasons, although he continued to serve on Council.	
F.17-F.32	General correspondence and papers	
F.33-F.42	Council meetings	
F.43-F.45	Printed material	
<b>F.17-F.32</b>	<b>General correspondence and papers</b>	<b>1970-1980</b>
F.17	'Notes by F.G. Young on the policy of the British Nutrition Foundation Ltd', 6pp photocopy of typescript, July 1970.	
F.18	'Facts behind the headlines. Botulism', 5pp typescript, 25 August 1971.	
F.19	'Review of the functions and administration of the British Nutrition Foundation' by F.G. Young, 5pp duplicated typescript, January 1972.	
F.20	'Calories or joules?' by Young, 6pp typescript, March 1972.	

**Societies and organisations**

- F.21 Correspondence and papers *re* fibre in the diet, July - October 1972.  
The material relates to whether increased fibre intake helped prevent diseases of the bowel and diabetes.
- F.22 'Note about folic acid and related substances' by D. Hollingsworth, 2pp typescript with covering letter, August 1973.
- F.23 'The national diet and the National Food Survey, Sainsbury's Club, 22 October 1973', 27pp typescript lecture notes ?by Young.
- F.24 Correspondence, 1975.
- F.25, F.26 'The nutrition of a biochemist' by Young, 5th British Nutrition Foundation Lecture, London, 27 November 1975.
- F.25 18pp typescript + manuscript list of slides and manuscript note of opening sentences.
- F.26 Correspondence *re* the lecture, November 1975.
- F.27 Correspondence, 1976.  
Includes exchange *re* Young's resignation.
- F.28 Duplicated typescript memoranda: 'Aide-memoire on the functions of the BNF' and ' "Food and profit it makes you sick" - Guidelines for statement to the media', June 1979.  
These are concerned with the presentation of the BNF.
- F.29 Correspondence, July - October 1979.

**Societies and organisations**

- F.30 Correspondence and papers *re* obituaries of Sir Ernst Chain and A.C. Frazer by Young, October 1979.  
  
Includes 1p typescript 'Second draft' of obituary for Chain and 2pp typescript obituary of Frazer.
- F.31 Correspondence and papers *re* AGM, November 1979.  
  
Includes correspondence *re* renewal of Young's membership of Council.
- F.32 Correspondence and papers, 1980.
- F.33-F.42 Council meetings 1976-1980**
- Papers for meetings of Council.
- F.33 27 May, 25 November 1976.
- F.34 16 March, 27 July 1977.
- F.35 21 March, 31 May, 26 July 1978.
- F.36 13 March, 22 May 1979.
- F.37, F.38 26 July 1979.  
  
2 folders.
- F.39 22 November 1979.
- F.40 Papers, 1979.
- F.41 13 March 1980.



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F.42	13 May 1980.	
<b>F.43-F.45</b>	<b>Printed material</b>	<b>1976-1980</b>
F.43, F.44	Annual Reports.	
F.43	1975-1976, 1976-1977.	
F.44	1977-1978, 1978-1979.	
F.45	Newsletters 20-22, 1980.	
<b>F.46-F.48</b>	<b>CAMBRIDGE PHILOSOPHICAL SOCIETY</b>	<b>1967-1976</b>
F.46	Correspondence <i>re</i> Vice-Presidency, 1967. Young accepted the Vice-Presidency of the Society.	
F.47	Papers 1974-1975.	
F.48	Papers <i>re</i> future of the Cambridge Scientific Periodicals Library, 1976.	
<b>F.49-F.73</b>	<b>THE CARPHOLOGISTS</b>	<b>1955-1980</b>
	Young was a founder member of the Carphologists in 1955. This dining club was 'a forum for discussion in Cambridge of common interests in teaching and research in medical and paramedical subjects'.	
	The material is chiefly arrangements for meetings, speakers and dining arrangements.	

**Societies and organisations**

- |            |       |   |
|------------|-------|---|
| F.49       | 1955. | Arrangements for inaugural dinner, 24 November.   |
| F.50       | 1956. |   |
| F.51       | 1957. | Includes correspondence with A.L. Hodgkin <i>re</i> College Fellowships for medics.                 |
| F.52, F.53 | 1958. |   |
| F.52       |       | Correspondence <i>re</i> arrangements for dinners.  |
| F.53       |       | 'What is a hormone?', 30pp typescript draft of Young's paper to The Carphologists, 31 October 1958. |
| F.54       | 1959. |   |
| F.55       | 1960. |   |
| F.56       | 1961. |   |
| F.57       | 1962. |   |
| F.58       | 1963. |   |
| F.59       | 1964. |   |
| F.60       | 1965. |   |

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F.61	1966.
F.62	1967.  Includes correspondence <i>re</i> establishment of a formal structure for the Carphologists club.
F.63	1968.
F.64	1969.
F.65	1970.
F.66	1971.
F.67	1972.
F.68	1973.
F.69	1974.
F.70	1975.
F.71	1976-1977.  Includes 'Customs of the Carphologists'.
F.72	1978-1979.

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F.73

1980.

Includes drafts on the origin and history of the Carphologists.

**F.74-F.77**

**CHINESE UNIVERSITY OF HONG KONG**

**1975-1977**

Young was on the University's Academic Advisory Board in Natural Sciences; he was Chairman to 1976.

The bulk of the material relates to the planning of a new Medical School at the University.

F.74

Correspondence, 1975.

F.75

Correspondence and papers, July - August 1976.

Includes annual report of the Board of Studies in Biochemistry for 1975-1976.

F.76

Correspondence and papers, September - December 1976.

Includes report on proposals for the new Medical School, sent to Young September 1976.

F.77

Correspondence, 1977.

**F.78-F.97**

**CIBA FOUNDATION**

**1954-1983**

The CIBA Foundation 'exists to promote international co-operation in medical and chemical research'. It was established in 1947 by the Swiss chemical and pharmaceutical company CIBA Ltd and began its work in London in 1949.

Young joined the Foundation's Scientific Advisory Panel in 1949. He was invited to assist the Executive Council in 1954, prior to his formal election to it in 1956. He served as Chairman 1967 to 1977 when he resigned from the Council due to ill health. Young was appointed a Trustee of the Foundation in 1967 and continued to serve to 1983.

**Societies and organisations**

F.78-F.80	Record of service
F.81-F.83	Executive Council meetings
F.84-F.89	Directorship
F.90, F.91	Director's reports
F.92-F.97	Miscellaneous correspondence and papers

**F.78-F.80                      Record of service                      1954-1983**

F.78                      'Administration file. F.G.Y.'s appointment'. Contents of Young's file so inscribed: correspondence 1954-1967.

Includes Young's appointment to the Executive Council and the chairmanship thereof, and his appointment as a Trustee. Also includes correspondence *re* other appointments, 1956.

F.79                      'My resignation May 1977'. Contents of Young's file so inscribed: correspondence 1977.

F.80                      Correspondence and papers *re* resignation as Trustee, 1982-1983.

Includes Ciba Foundation 'Bulletin', summer 1983, with tribute to Young on page 1.

**F.81-F.83                      Executive Council meetings                      1977-1982**

Minutes of Executive Council, 1977-1982.

F.81                      1977-1978.

F.82                      1979.

F.83                      1980-1982.

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<b>F.84-F.89</b>	<b>Directorship</b>	<b>1975-1977</b>
	Correspondence and papers relating to the appointment of a successor to Sir Gordon Wolstenholme as Director of the Foundation.	
F.84	1975.	
	Includes 3pp typescript draft by Young on the post of Director, 24 October.	
F.85	March, April 1976.	
F.86	May, June 1976.	
	Includes minutes of meeting, 4 May	
F.87	June 1976.	
	Includes minutes of meeting, 1 June, and Young's manuscript notes.	
F.88	July 1976 - May 1977.	
F.89	September 1977.	
<b>F.90, F.91</b>	<b>Director's reports</b>	<b>1977-1983</b>
	Monthly reports, 1977-1983.	
	Not a complete series.	
F.90	1977-1981.	
F.91	1982, 1983.	

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<b>F.92-F.97</b>	<b>Miscellaneous correspondence and papers</b>	<b>1968-1982</b>
	Includes arrangements for Foundation functions.	
F.92	1968, 1970.	
F.93	'Correspondence with K.E.', 1974-1978. Katherine Elliott was Assistant Director of the Foundation	
F.94	1975, 1976.	
F.95	1977.	
F.96	1979.	
F.97	1980-1982.	
<b>F.98-F.112</b>	<b>EDWARD ALLEYN CLUB</b>	<b>1969-1983</b>
	Young attended Alleyn's School, Dulwich, 1916-1926. He was Deputy President of the Edward Alleyn Club (formerly the Alleyn Old Boys' Club) 1975-1976 and President 1976-1977.	
F.98-F.104	Miscellaneous correspondence and papers, 1969-1983.	
F.98	1969-1971.	
F.99	1972.	

**Societies and organisations**

- F.100                    1973-1975.  
                              Chiefly *re* Deputy Presidency and Presidency of the Club.
- F.101                    1976.
- F.102                    1977 (1).  
                              Correspondence, chiefly arrangements for the Club Annual Dinner on 25 November.
- F.103                    1977 (2).  
                              Papers for Annual Dinner, including 4pp typescript and manuscript draft of 'Speech by F.G. Young proposing the toast'.
- F.104                    1978, 1983.
- F.105, F.106            Papers for Committee meetings and AGMs, 1976-1979, 1984.
- F.105                    1976, 1977.
- F.106                    1978, 1979, 1984.
- F.107-F.112            Issues of the 'Edward Alleyn Magazine', October 1972-Spring 1986.  
                              Not a complete sequence.
- F.107                    1972-1973.
- F.108                    1974-1975.
- F.109                    1976-1977.



**Societies and organisations**

F.110 1978-1979.

F.111 1980-1981.

F.112 1984-1986.

**F.113 ENDOCRINE SOCIETY 1973-1980**

F.113 Correspondence and papers *re* membership, 1973-1980.

**F.114-F.123 INTERNATIONAL DIABETES FEDERATION 1970-1980**

The bulk of this material relates to the work of the International Diabetes Federation (IDF) Special Committee established to report on the 'work leading up to the discovery of insulin'. This was established in 1970, prior to the celebration of the fiftieth anniversary of the isolation of insulin in 1921. The Committee was chaired by Young.

The Committee was established particularly to investigate the claims made for the Romanian physiologist N.C. Poulesco (1869-1931). The isolation of insulin was traditionally credited to F.G. Banting and J.R.R. Mcleod, who were awarded the 1923 Nobel Prize for Physiology for the discovery. Two young researchers, C.H. Best and J.B. Collip, were given shares in the prize by Banting and Mcleod respectively. However, some researchers felt the anniversary was an opportunity to recognise the contribution made independently by Poulesco. He had published his results just prior to Banting and Best and his work was known to them, but Banting claimed to have mistranslated it and hence not realised its significance.

The Committee's report concluded that Poulesco did deserve a share of the credit but that the original Nobel award was justified.

F.114 Correspondence with I. Murray *re* Poulesco's work on insulin, 1970-1971.

F.115-F.117 Correspondence with I. Pavel, Institute Endocrinologie, Bucharest, Romania, *re* Poulesco's work, 1970-1977.

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- /... Includes Young's translations of Pavel's letters (in French).  
3 folders.
- F.118 Draft of 'Report of the Special Committee set up to present a written summary of work leading up to the discovery of insulin', 12pp duplicated typescript, April 1971.
- F.119 Correspondence *re* the work of the Special Committee and the isolation of insulin, 1971.
- F.120 Correspondence *re* publication of the letters exchanged between Pavel and Young, 1974-1975, and related, 1980.  
  
Pavel proposed to reproduce his correspondence with Young in a publication on Poulesco. Young agreed provided the correspondence was reproduced in full.
- F.121 Printed and photocopied background material.
- F.122, F.123 General International Diabetes Federation material. 1973-1979.
- F.122 Proposed revision of Federation Constitution, 1973.
- F.123 Miscellaneous, 1974-1979.
- F.124, F.125 INTERNATIONAL DICTIONARY OF MEDICINE AND HEALTH 1976-1977**
- This was a project to create an English language equivalent of the *Dictionnaire francais de Medecine et Biologie*. Young was invited to become an Advisory Editor in 1976. He agreed, with the proviso that he was assisted by H.L. Kornberg.

**Societies and organisations**

F.124 Material sent to W.J.H. Butterfield as a member of the Editorial Board, August 1976.

Includes list of the Advisory Board; 'Contents of the Dictionary'.

F.125 Correspondence *re* advisory editorship, 1976-1977.

**F.126-F.152 INTERNATIONAL UNION OF BIOCHEMISTRY 1968-1976**

Young's involvement with the International Union of Biochemistry (IUB) dated from 1964 when he was appointed to chair the Committee responsible for revising IUB Statutes. In 1967 he took over as Treasurer of IUB.

Most of the material here relates to the problems surrounding the Eighth International Congress of Biochemistry to be held in Rome, Italy, 3-9 September 1970. In April 1969 the Italian biochemists decided that, with student unrest and the discipline struggling nationally, they could not host the Congress and Young played a leading role in ensuring its successful relocation at short notice to Switzerland.

F.126-F.147 Eighth International Congress of Biochemistry

F.148-F.152 General IUB business

**F.126-F.147 Eighth International Congress of Biochemistry 1968-1971**

Correspondence and papers relating to the collapse of plans to hold the International Congress in Rome and its transfer to three venues in Switzerland. It includes correspondence with officials of IUB, the Swiss Society for Biochemistry and other national biochemical societies.

The bulk of this material was found in Young's own folders organised by reference code 'F (a)' to 'F (c)'. There were also a number of folders not in this sequence. All the folders were titled and the title and reference code where given are reproduced in the catalogue entries.

F.126 'F (a) (ii) Rome Congress 1970 (Cancelled)'.

May 1968-May 1969.

Includes copy of letter from A. Rossi Fanelli notifying IUB that it would not be possible to host the Congress in Rome.

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- F.127 'F (a) (iii) Possible substitutes for Rome Congress 1970'.  
May 1969-July 1969.  
Includes Young's manuscript notes on alternatives.
- F.128 'F (b) (i) Mtg in Switzerland Monday 30 June 1969. Travel, accommodation, finance etc'.  
Itinerary etc.
- F.129 'F (b) (ii) Possible finance for Swiss Congress'.  
IUB budget for 1969; draft Treasurer's Report, October 1968; manuscript note on 'IUB balance sheet for 1970'.
- F.130-F.132 'F (b) (iii) Special meeting in Geneva 30 June 1969'.
- F.130 Correspondence *re* possible change of venue to Switzerland, April - May 1969.
- F.131 Correspondence *re* venue and visit by Young to Switzerland, June 1969.  
Includes Young's 3pp duplicated typescript interim report on 'Operation Switzerland', 19 June 1969.
- F.132 Agenda for meeting; manuscript notes by Young on his visit, 30 June 1969.
- F.133, F.134 'F (b) (iv) Correspondence arising from meeting in Geneva 30 June 1969'.
- F.133 Manuscript notes by Young arising from visit, 1 July 1969; 5pp duplicated typescript report, 2 July 1969.
- F.134 Correspondence *re* decision to move the Congress to Switzerland, July-August 1969.
- F.135, F.136 'F (c) 1 Secretary General'.

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- F.135 Correspondence *re* appointment of Colonel F.J. Griffin as Secretary General of the Congress, July 1969.
- F.136 Correspondence with Griffin *re* accommodation etc arrangements for the Congress, November 1969 - August 1970.  
  
Includes lists of members of Council and national delegates.
- F.137-F.139 'F (c) (3) Misc correspondence etc'.
- F.137 June - July 1969.
- F.138 August -September 1969.
- F.139 January - July 1970.  
  
Includes correspondence *re* publicity given to IUB and the International Congress.
- F.140 'F (c) (4) FGY's travel arrangements etc'.  
  
October 1969 - September 1970.  
  
Includes itinerary.
- F.141 'Nomination of candidates for elections by Council to offices in IUB'.  
  
July 1969.
- F.142 'Correspondence with and about Desnuelle concerning GA Agenda'.  
  
The inactivity of P. Desnuelle, Secretary General of IUB from April 1970 onwards was the cause of growing concern.  
  
April 1970 - April 1971.



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**F.153-F.156                      MEDICAL RESEARCH COUNCIL                      1976-1977**

Chiefly material relating to the Medical Research Council (MRC) Collection of Human Pituitary Glands. Young chaired the MRC's Steering Committee on Collection of Human Pituitary Glands to 1976.

F.153                      Correspondence and papers, 1976.  
  
Includes material *re* article in *Sunday People* newspaper *re* alleged commercial trade in pituitary glands.

F.154                      Second draft of 'Report to the Cell Board of the Steering Committee for Human Pituitary Collection December 1972 - March 1977'.

F.155                      Correspondence, chiefly *re* moves by the Nordisk Foundation to establish UK base for production of human growth hormone, April - July 1977.

F.156                      Staff correspondence, 1976.

**F.157-F.275                      MINISTRY OF HEALTH (later DEPARTMENT OF HEALTH                      1965-1981  
AND SOCIAL SECURITY)**

F.157-F.215                      Committee on Medical Aspects of Food Policy

F.216-F.275                      Advisory Committee on the Irradiation of Food

**F.157-F.215                      Committee on Medical Aspects of Food Policy                      1965-1981**

Young had joined the Committee on Medical Aspects of Food Policy (COMA) in 1957 but the material dates from its reconstitution in 1965. Its terms of reference were:

'To consider and advise on:  
(a) the medical and scientific aspects of policy in relation to nutrition;

/...

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/... (b) at the request of, or in association with, the Advisory Committee on Pesticides and other Toxic Chemicals, Food Additives and Contaminants Committee, Food Standards Committee, Milk and Milk Products Technical Advisory Committee, or any other committee as appropriate, the medical and nutritional aspects of the introduction of new substances and practices in the agricultural and food industries including the fortification and extraction of food;

(c) at the request of Departments, any matters falling within these terms of reference'.

F.157-F.177	General COMA correspondence and papers
F.178-F.193	Panel on Recommended Allowances of Nutrients
F.194-F.203	Panel on Diet in relation to Cardiovascular and Cerebrovascular Disease
F.204-F.215	Panel on Bread, Flour and other Cereal Products

F.157-F.177	<b>General COMA correspondence and papers</b>	<b>1965-1981</b>
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F.157	Terms of reference 1965.
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F.158-F.164	Minutes of meetings of COMA, 1965-1980.
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F.158	1965, 1966.
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F.159	1967, 1968.
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F.160	1969-1971.
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F.161	1972-1974.
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F.162	1975-1977.
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F.163	1978.
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**Societies and organisations**

- F.164 1979-1980.
- F.165-F.169 Papers for COMA meeting, 6 June 1980.  
5 folders.
- F.170-F.173 Papers for COMA meeting, 5 December 1980.  
4 folders.
- F.174 Correspondence *re* reappointment to COMA, 1973, 1978, and end of service 1980-1981.
- F.175 Correspondence and papers *re* COMA visit 8 May 1975 to Human Nutrition Studies Unit, London School of Hygiene and Tropical Medicine, and related material *re* nutrition. 1975.
- F.176 Correspondence and papers *re* fructose in diabetic foods, 1976.
- F.177 Miscellaneous correspondence and papers, 1977, 1979.
- F.178-F.193 **Panel on Recommended Allowances of Nutrients** **1975-1978**
- This Panel was reconvened in 1975 'to discuss what amendments should be made, in the light of recent information, to the Panel's report which was published in 1969'. Young was a member. It was chaired by R. Passmore of the Department of Physiology, University of Edinburgh, 1975-1977 and then by Professor H. Yellowlees, Chief Medical Officer at the Department of Health and Social Security.
- The first draft of the report was circulated in January 1978 and met with criticism partly because of the contents and partly because of apparent deficiencies in the decision-making process.
- The material is the contents of Young's folders.
- F.178-F.187 'RA 1) Minutes 2) Correspondence 3) Drafts & comments'.

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- F.178 Minutes of meetings March 1975 - March 1977.
- F.179, F.180 Correspondence, chiefly with J.M.L. Stephen of the London School of Hygiene and Tropical Medicine, S.J. Darke, Principal Medical Officer, Nutrition, of the Department of Health and Social Security and R. Passmore, 1975-1977.
- F.179 1975-1976.
- F.180 1977.
- F.181, F.182 Papers on recommended allowances of nutrients submitted to the Panel, 1975.  
2 folders.
- F.183 Young's manuscript notes, October 1975.
- F.184 Correspondence, chiefly with Passmore *re* presentation and content of the Panel's report, March 1976 - March 1978.
- F.185 Draft of Panel report, January 1978.
- F.186 Correspondence *re* draft report, February 1978.
- F.187 Young's manuscript and typescript notes on the draft report.
- F.188 'Dietary allowances of energy and nutrients' by R.G. Whitehead, 103pp typescript, *ca* February 1978.  
  
This was written in response to the work of the Panel.

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- F.189                      Draft of short Report, with Young's comments thereon, April 1978.
- In April 1978 in view of disagreements as to how to proceed, Sir Henry Yellowlees proposed publishing Table 1 of the report, giving recommended allowances, with short accompanying explanation. However, members of the Panel felt a longer report was required and the short draft was incorporated into it.
- F.190                      Draft of section of the report, with corrections by Young, ca June 1978.
- F.191-F.193                Drafts of report.
- F.191                      August 1978.
- F.192                      October 1978.
- F.193                      December 1978.
- F.194-F.203                **Panel on Diet in relation to Cardiovascular and Cerebrovascular Disease**                      **1975-1980**
- Young chaired this Panel that had reported in 1974 (*Diet and Coronary Heart Disease*, HMSO, London, 1974). However the material chiefly relates to the reception of the report *Prevention of Coronary Heart Disease* by a Joint Working Party of the Royal College of Physicians and the British Cardiac Society, April 1976.
- The advice given in the 1976 report, which recommended a partial substitution in the diet of saturated with polyunsaturated fats, appeared to conflict with the 1974 report that recommended a reduction in total fat in the diet, without stating a preference for any type of fat.
- F.194                      Copy of letter to S.J. Darke, Principal Medical Officer, Nutrition, of the Department of Health and Social Security, from J. Robertson on updated figures for *Diet and Coronary Heart Disease*, May 1975.
- F.195                      'The possible importance of diet in the cause of coronary heart disease' by Young, lecture at Royal Society of Health Congress, Eastbourne, Sussex, 27-30 April 1976.
- Published version, Young's manuscript notes.

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- F.196 Correspondence with M.F. Oliver, University of Edinburgh Department of Medicine and a member of the Joint Working Party of the Royal College of Physicians and the British Cardiac Society, January 1976 - June 1977.
- F.197 Copy of *Prevention of Coronary Heart Disease*, Joint Working Party of the Royal College of Physicians and the British Cardiac Society, April 1976.
- F.198 Correspondence arising from apparent discrepancies in the two reports and the Department of Health and Social Security response thereto, chiefly with S.J. Darke, May 1976 - May 1977.
- F.199 Typescript papers commenting on the two reports, with manuscript annotations by Young, May 1976.  
  
Includes 'Comments by F.G. Young on "Prevention of Coronary Heart Disease"', 4pp duplicated typescript.
- F.200 Correspondence with *Which?* Magazine, June - July 1976.  
  
*Which?* asked Young to comment on a draft of their report on Polyunsaturated Fats.  
  
Includes copy of the draft report.
- F.201 Miscellaneous correspondence and papers, 1977 - 1980.
- F.202, F.203 Background material, 1976-1980.  
  
Photocopied articles and typescript papers.  
  
2 folders.
- F.204-F.215 **Panel on Bread, Flour and other Cereal Products** **1971-1980**  
  
It was first proposed to establish this Panel in 1977. However, the Royal College of Physicians was also studying the area of dietary fibre and it was felt that the COMA Panel might duplicate work already underway.

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### Societies and organisations

- /...
- Young was subsequently invited to join the Royal College's Committee on the Medical Aspects of Dietary Fibre but argued that COMA should still consider establishing a Panel which might look at aspects not considered by the Royal College's Committee. The Panel was established in 1978 and Young resigned from the Committee. He resigned from the Panel in 1980 on health grounds.
- For material relating to the Royal College of Physicians Committee see F.279.
- F.204 Correspondence *re* possible establishment of Panel and relations with Royal College of Physicians Committee, chiefly with S.J. Darke, Principal Medical Officer, Nutrition, of the Department of Health and Social Security, 1977-1978.
- F.205 Young's typescript and manuscript notes *re* COMA and dietary fibre, 1977.
- F.206 Young's typescript and manuscript notes, 1978.
- F.207 Correspondence, 1980.
- F.208 Draft of Panel report, August 1980, with Young's manuscript annotations.
- F.209-F.215 Miscellaneous typescript, duplicated and printed background material. 1971-1979.
- Includes material produced when COMA had considered the issue of dietary fibre earlier in the 1970s.
- 7 folders.
- F.216-F.275                      Advisory Committee on the Irradiation of Food                      1966-1975**
- In 1962 the Ministry of Health established a Working Party on Irradiation of Food under the Committee on Medical Aspects of Food Policy. Young was a member of this Working Party. It reported in March 1964 (*Report of the Working Party on Irradiation of Food*, HMSO, London, 1964) and advised that irradiation of food and food products be controlled by legislative prohibition with exemptions to be granted under specified conditions.
- /...

### Societies and organisations

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In March 1967 the Minister of Health and Agriculture, Fisheries and Food established an Advisory Committee on the Irradiation of Food. Young was its first chairman.

Its terms of reference were:

'At the request of the Minister of Health, the Minister of Agriculture, Fisheries and Food, the Secretary of State for Scotland or the Minister of Health and Social Services, Northern Ireland,

- (1) to consider applications for exemption from the prohibition on the sale and importation of irradiated food intended for human consumption;
- (2) to advise whether such applications should be accepted and, if so, under what conditions, or, if not, to give the reasons for rejection;
- (3) to advise generally on matters relating to the irradiation of food'.

F.216-F.221	Formation of the Advisory Committee
F.222-F.233	Meetings
F.234-F.251	General correspondence and papers
F.252-F.263	Visit to USA
F.264-F.275	Background material

F.216-F.221      **Formation of the Advisory Committee**      **1964-1974**

Material found in Young's folders. The inscriptions on the folders are reproduced in the catalogue entries.

F.216      'Correspondence about chairmanship and membership', 1966-1968, 1974.

F.217      'Preliminary meeting of officers Tuesday 23 May 1967'.  
  
Chiefly correspondence *re* Committee membership and May meeting. Also includes draft 'Application form for exemption from the regulations prohibiting the irradiation of food'. March - May 1967.

F.218      'Memorandum and schedule', describing the work of the Committee, 1967.

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- F.219 'Statutory instruments'.  
Copies of 'Draft proposals for regulations', June 1966; 'Food (Control of Irradiation) Regulations 1967'; 'Food (Control of Irradiation) (Amendment) Regulations 1969'; 'Food (Control of Irradiation) (Amendment) Regulations 1972'.
- F.220, F.221 'Miscellaneous correspondence about formation of Committee', 1964-1967.
- F.220 1964, 1966.
- F.221 1967.  
Includes correspondence *re* international confusion *re* apparent changes to UK regulations on irradiated food and 'revised note of the meeting on food irradiation held at the Ministry of Technology on 11th July'.
- F.222-F.233 **Meetings** **1967-1971**  
Correspondence *re* arrangements for and papers of meetings of the Committee, 1967-1971.
- F.222, F.223 First meeting, 3 July 1967.  
2 folders.
- F.224, F.225 Second meeting, 24 October 1967.  
2 folders.
- F.226, F.227 Third meeting, 25 November 1969.  
2 folders.
- F.228-F.233 Fourth meeting, 22 January 1971.  
6 folders.

**Societies and organisations**

- | F.234-F.251 | <b>General correspondence and papers</b>  | <b>1967-1975</b> |
|-------------|---|------------------|
| F.234-F.244 | 'Correspondence between meetings'. Contents of Young's folders so inscribed divided into eleven for ease of reference. 1967-1975  |                  |
| F.234       | 1967-1968.<br><br>Includes draft regulations covering the irradiation of food for those requiring a sterile diet as part of treatment, December 1968.   |                  |
| F.235       | 1969.<br><br>Chiefly correspondence with E. Boyland.  |                  |
| F.236       | 1970.   |                  |
| F.237       | 1971.   |                  |
| F.238       | January - April 1972.   |                  |
| F.239       | May - November 1972.<br><br>Chiefly correspondence with O.N. Jarvis, Atomic Energy Research Establishment, Harwell, Berkshire, <i>re</i> legal limit on energy of ionising radiation for radioisotope equipment to test moisture content of tea leaves. |                  |
| F.240       | 1973.<br><br>Includes draft memorandum by Young arising from correspondence with O.N. Jarvis.<br><br>The memorandum asked for views on the current legal limit and whether there should be a change in the regulations.                                 |                  |
| F.241       | January - April 1974.<br><br>Chiefly <i>re</i> Young's memorandum, including copy as circulated, and responses thereto.   |                  |



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- F.242                      May - June 1974.  
Chiefly *re* queries raised by M. Ebert to Young's memorandum.  
Includes draft of Young's second memorandum drafted in response.
- F.243                      July - December 1974.
- F.244                      1975.
- F.245-F.247                'Miscellaneous non-official correspondence'. Contents of Young's folder so inscribed divided into three for ease of reference. 1967-1972.
- F.245                      1967-1968.
- F.246                      1969-1970.  
Includes 25pp typescript letter from R.A. Silow *re* irradiation of foodstuffs.
- F.247                      1971-1972.  
Includes correspondence *re* policy on irradiation of food in India.
- F.248                      'The irradiation of food' by Young, 3pp typescript, 12 February 1974.  
The paper explains the work of the Committee.
- F.249, F.250                Papers from International Symposium on Radiation Preservation of Food, Bombay, India, 13-17 November 1972.  
E. Boyland attended on behalf of the Committee.  
2 folders.
- F.251                      'Meeting with L.G. Smith & Dr Bostock Tuesday 26 February 74'. Contents of Young's folder so inscribed: correspondence and papers January - February 1974.

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- F.264-F.266 'Official international reports'. Contents of Young's folder so inscribed divided into three for ease of reference. 1965-1970.
- F.267, F.268 'International Project 1971'. Contents of Young's folder so inscribed divided into two for ease of reference. 1971-1972.
- This 'International Project in the Field of Food Irradiation' was run jointly by the International Atomic Energy Agency, the Food and Agriculture Organisation of the UN and the European Nuclear Energy Agency.
- F.269 US Army Medical Research and Development report 'Animal Feeding Protocol for Irradiation Sterilised Beef', 1970, sent to Young September 1971.
- F.270-F.272 'Material received from the German Bundesforschungsanstalt fur Lebensmittelfrischhaltung as requested by FGY'. Contents of Young's folder so inscribed divided into three for ease of reference. Papers sent to Young September 1972.
- F.273 'Newspaper cuttings'. Contents of Young's folder so inscribed. 1967-1970.
- F.274, F.275 'Miscellaneous offprints'. Contents of Young's folder so inscribed divided into two for ease of reference.
- F.276-F.279 ROYAL COLLEGE OF PHYSICIANS OF LONDON 1975-1980**
- F.276-F.278 General correspondence and papers, 1975-1980  
Chiefly edited abstracts of proceedings of the College's 'Comitia'.
- F.276 1975-1977.
- F.277 1978-1979.
- F.278 1980.

### Societies and organisations

F.279 Correspondence *re* Royal College of Physicians' Committee on the Medical Aspects of Dietary Fibre, 1977-1979.

Young became a member on its establishment in 1977. However, he resigned from the Committee in 1978 on the establishment of the Committee on Medical Aspects of Food Policy's Panel on Bread, Flour and other Cereal Products (see F.204-F.215).

F.280-F.306

#### ROYAL COMMISSION ON MEDICAL EDUCATION

1965-1975

This was established in 1965 under the Chairmanship of Lord Todd. Young was a member. Its terms of reference were:

'To review medical education, undergraduate and post-graduate, in Great Britain, and in the light of national needs and resources, including technical assistance overseas, to advise Her Majesty's Government on what principles future development (including its planning and co-ordination) should be based. In particular, in the light of those principles and having regard to the statutory functions of the General Medical Council and the current review by that Council of recent changes in the undergraduate curriculum, to consider what changes may be needed in the pattern, number, nature or location of the institutions providing medical education or in its general content; and to report'.

The Commission organised itself into eight committees. Young chaired that on the London Medical Schools and served on the Committees on Overseas Technical Assistance and School and Undergraduate Education.

The Commission reported in April 1968 (the Todd Report), making radical proposals for the reshaping of future medical practice and undergraduate and postgraduate education.

Following the publication of the report Young retained an interest in developments through his membership of the Medical Sub-Committee of the University Grants Committee.

At F.300-F.306 is material relating to lectures given by Young on the Todd Report.

F.280

Appointment and terms of reference, 1965; members of the Commission's Committee, 1966; 2pp duplicated typescript note on the Commission, February 1967.

F.281-F.283

Papers of 27th - 31st (final) meetings of Commission, December 1967 - March 1968.

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- F.281                      December 1967.
- F.282                      27 January 1968.
- F.283                      30 March 1968.
- F.284                      Submissions to the Commission, 1965-1966.
- F.285                      Miscellaneous background material, 1965-1967.
- F.286                      Correspondence *re* concluding work of the Commission and the publication of the Todd Report, January - May 1968.
- F.287                      Press cuttings on the immediate reaction to the Todd Report from medical and national newspapers and journals, April 1968.
- F.288                      Agenda and introductory paper for meeting at the Ministry of Health on the implications of the Todd Report, 4 June 1968.
- F.289                      Correspondence arising from the Todd Report, 1968-1971.
- F.290, F.291              Press cuttings on the Todd Report from medical, scientific and national newspapers and journals, October - November 1968.
- F.290                      October - November 1968.
- F.291                      1969-1971.
- F.292-F.294              Responses to the Todd Report from London specialist medical teaching institutions, 1968-1969.
- 3 folders.



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**F.307-F.311                      ROYAL SOCIETY CLUB                      1951-1978**

Young was elected a member of the Club in 1951.

F.307                      Correspondence, 1951-1976.

Includes invitation to join the Royal Society Club, July 1951.

F.308-F.311                      Papers of Royal Society Club Annual Dinner meetings, 1952-1978.

F.308                      1952-1959.

F.309                      1960-1966.

F.310                      1967-1970.

F.311                      1974-1978.

**F.312-F.331                      UNIVERSITY COLLEGE OF RHODESIA AND NYASALAND                      1964-1980**

This College, later the University of Rhodesia, was founded by Royal Charter in 1955 and began teaching in 1957. Young was a member of Council as a representative of the Inter-University Council for Higher Education Overseas.

The Charter declared that 'no test of religious belief or profession or of race, nationality or class should be imposed', so relations with the government after the 1965 Unilateral Declaration of Independence were often strained.

F.312-F.316                      Minutes of meetings of Council, 1964-1969.

F.312                      1964.

F.313                      1965.

**Societies and organisations**

- F.314 1966.
- F.315 1967.
- F.316 1968-1969.
- F.317-F.320 Reports by Young from visits to the University College in 1969.
- F.317 'Confidential Report [...] on a visit to Salisbury for a meeting of the Council of the University College of Rhodesia and Nyasaland on 16 May 1969'.  
The report chiefly concerns a 'Week of Protest' in April 1969.  
7pp duplicated typescript + attachment.
- F.318 'Notes on a meeting between Sir Henry McDowell, Mr T.G. Miller, Dr R.B. Hunter and Professor F.G. Young at the University College of Rhodesia and Nyasaland on Monday 19 May 1969'.  
The meeting concerned the resignation of the Principal, T.G. Miller.  
3pp duplicated typescript.
- F.319 'Confidential Notes by F.G. Young about the future relationship between the IUC [Inter-University Council for Higher Education Overseas] and the University College of Rhodesia', 23 May 1969.  
2pp typescript.
- F.320 'Report on a visit to Rhodesia 9-15 December 1969 by F.G. Young'.  
5pp duplicated typescript.
- F.321, F.322 Correspondence with colleagues at the University of Rhodesia, 1975-1980.
- F.321 With M. Gelfand of the Department of Medicine, 1975-1976.  
Includes 'Notes about proposals for the registration of Maluleke as a student [...] 26 April - 1 May 1966', sent to Gelfand for information.



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- F.322                      Chiefly with Robert Craig, Principal and Vice-Chancellor, 1976-1980.
- F.323                      Principal's Reports to Council, 1976-1978.
- F.324                      Press-releases, 1977-1979.
- F.325-F.331                Printed background material. 1950s-1970s.
- F.325                      Higher education in Central and Southern Africa.
- F.326-F.328                University College of Rhodesia and Nyasaland and University of Rhodesia.  
3 folders.
- F.329, F.330                Inaugural lectures.  
2 folders.
- F.331                      Miscellaneous printed material.

SECTION G

VISITS AND CONFERENCES

G.1-G.26

Only a very small proportion of Young's visits and attendance at conferences is documented here. Some further material relating to lectures given at events can be found in section E, Lectures and speeches. Some idea of the extent of his overseas visiting before retirement can be seen in the lists of visits abroad for 1970-1972 at G.26.

- G.1                      Invitation (declined) to 25th Anniversary of the Faculty of Medicine of the Catholic University of Chile, Santiago, 1955.
- G.2                      Visit to Singapore and Australia, September - December 1960.  
25pp typescript 'record' by Young covering 11 - 30 September.
- G.3                      Visit to Washington D.C. and Boston, USA, 4-11 January 1964.  
11pp typescript report by Young.
- G.4                      Invitation to 150th Anniversary of the University of Liège, Belgium, 5-7 November 1967.
- G.5                      Visit to Malaysia, 5-10 September 1968.  
9pp photocopy typescript 'Notes by F.G. Young on University Education in Malaysia'.
- G.6-G.11                Medical Research Council Committee on General Epidemiology Ad hoc meeting of experts, Woodstock, Oxfordshire, 29-30 June 1973.
- G.6                      Correspondence *re* arrangements, January - April 1973.
- G.7                      Agenda, list of participants, Young's manuscript notes on proceedings.
- G.8                      Correspondence *re* Young's contribution to discussion, July 1973.

### Visits and conferences

- G.9-G.11                      Conference report including summaries of contributions.  
  
3 folders.
- G.12                              Meeting of Executive Board and General Committee of the International Council of Scientific Unions, Leningrad, USSR, 17-22 September 1973.  
  
4pp typescript report by Young, chiefly on the attendant travel difficulties.
- G.13                              Invitation to visit Saudi Arabia in 1975.  
  
Young was asked to advise on the Faculty of Medicine at the University of Riyadh and a new medical school at the King Abdul Aziz University in Jeddah. After some correspondence with J.K. Candlish, Professor of Biochemistry at the University of Riyadh and Lord Ashby who was a recent visitor to Saudi Arabia, Young suggested that he might not be the best person to advise.  
  
Correspondence, chiefly with Candlish, 1974-1975.
- G.14-G.16                      Royal Society of Health Congress, Eastbourne, Sussex, 27-30 April 1976.  
  
Young lectured on 'The possible importance of diet in the cause of coronary heart disease' in the Preventive medicine, community health and food and nutrition session.
- G.14                              14pp typescript of Young's contribution.
- G.15                              Correspondence *re* arrangements, 1975-1976.
- G.16                              Programmes, memorabilia.
- G.17-G.24                      9th International Diabetes Federation Congress, New Delhi, India, 31 October - 5 November 1976.  
  
As an Honorary President of the Federation, Young was intending to go to this meeting and deliver the first Bernardo A. Houssay Memorial Lecture. He was also to address the All India Institute of Diabetes, Bombay. Shortly before he was due to travel, however, illness prevented him from attending

**Visits and conferences**

- G.17 Correspondence chiefly with J.G.L. Jackson, Secretary of the IDF, and R. Luft, President of the IDF, *re* location of and arrangements for the Congress, 1974-1976.
- G.18-G.22 Correspondence *re* arrangements, 1975-1977.  
Chiefly with organisers in India.
- G.18 1975.
- G.19 January - May 1976.
- G.20 June - September 1976.
- G.21 October - December 1976.
- G.22 1977.
- G.23, G.24 Conference information.  
2 folders.
- G.25 Drummond Trust Symposium and Dinner, 11 March 1977.  
Correspondence and papers *re* arrangements.
- G.26 Lists of Young's visits abroad, 1970-1972.

**SECTION H**

**CORRESPONDENCE**

**H.1-H.147**

H.1-H.120

GENERAL SCIENTIFIC CORRESPONDENCE

H.121-H.135

LETTER FILE 1975

H.136-H.147

REFERENCES AND RECOMMENDATIONS

**Correspondence**

**H.1-H.120                      GENERAL SCIENTIFIC CORRESPONDENCE                      1934-1983**

In alphabetical order.

H.1                      **A.**                      1961-1981

H.2                      **Ba. - Be.**                      1957-1982

H.3-H.16                      **Best, C.H.**                      1934-1975

Best was a researcher working under F.G. Banting who played a part in the discovery of insulin, for which Banting and J.J.R. Mcleod won the 1923 Nobel Prize for Physiology. Best was subsequently Professor of Physiology at the University of Toronto.

In 1938 Best was made a Fellow of the Royal Society and he was appointed a Companion of Honour in 1971. Young wrote Best's Biographical Memoir for the Royal Society. See D.34-D.56.

H.3                      April 1934 - April 1935.

Chiefly relates to visit Young made to Best's laboratories in 1934 and correspondence (including telegrams) arising reporting on the effect of a low choline diet with insulin on dogs.

H.4                      May - December 1935.

Chiefly *re* research on choline diet.

H.5                      1936.

Includes correspondence *re* possible post for Young at the University of Toronto, and progress of research.

H.6                      1938.

Includes correspondence *re* research on diabetes in dogs and arrangements for visit by Young to Canada and USA in 1939.

### Correspondence

- |      |  |
|------|--|
| H.9  | 1939.<br><br>Chiefly arrangements for Young's visit.   |
| H.10 | 1940-1946.<br><br>Correspondence <i>re</i> research in progress etc.   |
| H.11 | 1949-1960.   |
| H.12 | 1961-1963.<br><br>Includes correspondence and papers <i>re</i> nomination of Best for the Balzan Prize, 1962.  |
| H.13 | 1969-1970.<br><br>Personal news.   |
| H.14 | 1971 (1).<br><br>In 1971 Best was made a Companion of Honour by the Queen. He visited London to receive the award and dined at the Ciba Foundation on 16 December 1971.<br><br>The correspondence concerns these matters, together with the possible nomination of Best for the Copley Medal of the Royal Society and the report of the Special Committee of the International Diabetes Foundation instituted to investigate the discovery of insulin (see F.114-F.121). |
| H.15 | 1971 (2).<br><br>Correspondence <i>re</i> arrangements for Ciba Foundation dinner.   |
| H.16 | 1972-1975.   |
| H.17 | <b>Bj. - Bu.</b><br><br>1970-1981  |

**Correspondence**

H.18-H.27	<b>Bornstein, J.</b>	1951-1975
	Bornstein worked at King's College Hospital, London before returning to Australia where he was appointed Professor of Biochemistry at Monash University in 1961.	
	The correspondence chiefly relates to Bornstein's career.	
H.18	1951-1956.	
H.19	1959-1960.	
	Includes correspondence <i>re</i> visit of Bornstein to England, 1960.	
H.20	1961-1963.	
	Includes correspondence <i>re</i> visits to England.	
H.21	1964-1965.	
H.22	1966-1967.	
H.23	1967.	
H.24	1968.	
H.25	1968-1969.	
H.26	1971.	
	Chiefly <i>re</i> visit of Bornstein to England.	
H.27	1975.	



**Correspondence**

- H.28                    **Cmelik, S.H.W.**                    1974-1975  
Cmelik was a biochemist at the University of Rhodesia.
- H.29                    **Co. - Cr.**                    1965-1968
- H.30                    **Currie, A.R.**                    1954-1956  
Currie worked at the Department of Pathology, Royal Infirmary, Glasgow.  
Correspondence *re* supply of growth hormone and assays of growth hormone.
- H.31-H.40            **Dale, H.H.**                    1935-1975  
Sir Henry Dale was Head of the National Institute for Medical Research, Hampstead, London.
- H.31                    1935-1936.  
Chiefly *re* Young's career.  
Dale offered Young a post at the National Institute for Medical Research following the end of his Beit Fellowship in September 1936.
- H.32                    1938-1949.  
Chiefly *re* Young's career.
- H.33                    1954-1955.  
6pp typescript 'Sir Henry Dale's Eightieth Birthday' by Young for the *British Medical Journal*.
- H.34                    1956-1957.  
Includes correspondence *re* histamines in ergot.



**Correspondence**

- |            |  |           |
|------------|--|-----------|
| H.45-H.57  | <b>Hais, I.M.</b>  | 1946-1975 |
|            | Hais was a Czechoslovak worker at the United Pharmaceutical Works, Prague. He came to London in 1946 to work under Young and gain practical laboratory experience. |           |
| H.45       | 1946.  |           |
|            | Correspondence <i>re</i> possibility of Czechoslovak workers gaining experience in the UK.   |           |
| H.46       | 1947.  |           |
|            | Arrangements for Hais's visit and research.  |           |
| H.47       | 1948-1949.   |           |
| H.48-H.51  | Miscellaneous background material from Hais's time in the UK, 1947-1949.   |           |
| H.48       | Memorabilia of Hais, including academic credentials.   |           |
| H.49, H.50 | Material relating to activities of the Czechoslovak YMCA, 1947-1948.   |           |
| H.51       | Sketches and paintings by Hais.  |           |
|            | Some were found in envelope inscribed: 'To F.G. Young: I have looked up my file and have found some sketches from 1947 which might be of interest June 17, 1971'.  |           |
| H.52       | 1963.  |           |
|            | Visit by Hais to England.  |           |
| H.53       | 1968-1969.   |           |
|            | Chiefly <i>re</i> possible visits to England by researchers and Hais himself.  |           |

**Correspondence**

- H.54 1970.  
Includes correspondence *re* Hais's difficulties with University authorities in Czechoslovakia for his political views.
- H.55 1971.  
Chiefly *re* wedding of Hais's daughter in Edinburgh.  
Hais was unable to leave Czechoslovakia and therefore Young acted *in loco parentis*, giving the bride away.
- H.56 1972-1974.
- H.57 1975.  
Chiefly *re* planned visit to the UK.
- H.58-H.60 **Hales, C.N.** 1971-1983  
Hales was a Research Fellow, later Lecturer in the Cambridge Department of Biochemistry. He took up a post as Professor of Chemical Pathology (later Medical Biochemistry) at Welsh National School of Medicine in 1970.
- H.58 1971.  
Nomination.
- H.59 1973-1974.  
Includes correspondence *re* arrangements for Young's lecture on 'The Royal Commission on Medical Education and its Aftermath' at the School of Medicine, 26 February 1975. See F.306.
- H.60 1975, 1983.  
Includes correspondence *re* arrangements for Young's lecture.

### Correspondence

- |            |  |            |
|------------|--|------------|
| H.61       | <b>Hall, D.L.</b>  | 1974-1975  |
|            | Diana Long Hall was studying the history of sex endocrinology 1890-1930.   |            |
| H.62       | <b>Hartree, A.S.</b>   | 1964-1967  |
|            | Anne Hartree worked in the Cambridge Department of Biochemistry.<br>Chiefly <i>re</i> supply of growth hormone.      |            |
| H.63       | <b>Hawtrey, A.O.</b>   | 1968-1975  |
|            | Hawtrey worked at the University of Rhodesia.  |            |
| H.64       | <b>Ha. - Hu.</b>   | 1961-1980  |
| H.65       | <b>Hemingway, J.T.</b>   | 1966       |
|            | <i>Re</i> ox growth hormone.   |            |
| H.66       | <b>Henriksen, P. Kock-</b>   | 1974-1975  |
|            | Chiefly <i>re</i> EEC Panel.   |            |
| H.67       | <b>Hey, W.H.</b>   | 1939-1942  |
| H.68       | <b>Horn, J.S.</b>  | 1970, 1975 |
|            | Chiefly <i>re</i> proposed visit of Horn to Cambridge, 1970.   |            |
| H.69, H.70 | <b>Ilyan, V.S.</b>   | 1957, 1958 |
|            | Professor Ilyan worked at the Department of Biochemistry at the Institute of Experimental Medicine, Leningrad, USSR. |            |
| H.69       | Correspondence and papers arising from visit of Young to Ilyan's laboratory and research arising, 1957-1958.         |            |

### Correspondence

- |            |   |            |
|------------|---|------------|
| H.70       | Off-prints, 1956.<br>In Russian.  |            |
| H.71       | <b>J.</b>   | 1963-1982  |
| H.72       | <b>K.</b>   | 1964, 1969 |
| H.73       | <b>La. - Le.</b>  | 1957-1980  |
| H.74       | <b>Lawtry, R.E.</b><br>Lawtry worked for the British Council.<br>Chiefly social, personal and career.   | 1966-1978  |
| H.75       | <b>Lloyd, H.M.</b><br>Lloyd worked at the University of Queensland, Australia.<br><i>Re</i> growth hormone.   | 1961-1962  |
| H.76       | <b>Ma. - Mo.</b>  | 1961-1980  |
| H.77       | <b>Macrae, T.F.</b><br>Macrae worked at Glaxo Laboratories, Greenford, Middlesex.<br><i>Re</i> monkey pituitary.  | 1957       |
| H.78, H.79 | <b>Manchester, K.L.</b><br>Manchester was a student of Young's before taking up posts at University College London and then moving to the University of the Witwatersrand, South Africa.<br><i>Re</i> career. | 1974-1978  |

### Correspondence

- |           |  |           |
|-----------|--|-----------|
| H.78      | 1974.  |           |
| H.79      | 1977-1978  |           |
| H.80-H.82 | <b>Maxwell, I.C.M.</b>   | 1980-1981 |
|           | Maxwell was Deputy Director of the Inter University Council for Higher Education Overseas (IUC).   |           |
|           | Chiefly correspondence and papers <i>re</i> the work of the IUC, with particular reference to its work in Rhodesia/Zimbabwe, and to the incorporation of the IUC within the British Council. |           |
| H.80      | 1980.  |           |
| H.81      | 1981.  |           |
|           | Includes copy report of 'Visit to University of Zimbabwe', By Maxwell and R.W. Steel, November 1980.   |           |
| H.82      | 1982.  |           |
| H.83      | <b>O., Pa.</b>   | 1961-1975 |
| H.84      | <b>Pe. - Pr.</b>   | 1957-1973 |
| H.85-H.87 | <b>Pfeiffer, E.F.</b>  | 1968-1973 |
|           | Pfeiffer worked at the University of Ulm, Germany.   |           |
| H.85      | 1968.  |           |
| H.86      | 1972.  |           |
|           | Includes drafts of sections of 'Hypophysis and function of pancreatic islets' sent to Young for comment.   |           |

**Correspondence**

- |            |   |           |
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| H.87       | 1973.<br><br><i>Re</i> disagreements expressed at the General Assembly of the European Association for the Study of Diabetes.   |           |
| H.88-H.90  | <b>Prior, I.A.</b><br><br>Prior worked at the Wellington Hospital, New Zealand.   | 1963-1973 |
| H.88       | 1963, 1968.   |           |
| H.89, H.90 | 1973.<br><br>Chiefly <i>re</i> work carried out by Prior on diabetes in Tonga.<br><br>2 folders.  |           |
| H.91       | <b>Ra. - Ry.</b>  | 1957-1981 |
| H.92-H.94  | <b>Renwick, A.G.C.</b><br><br>Renwick worked in the Department of Biochemistry, University of Auckland, New Zealand.<br><br>Chiefly correspondence and papers <i>re</i> career. | 1976-1980 |
| H.92       | 1976.   |           |
| H.93       | 1977.   |           |
| H.94       | 1978-1980.  |           |
| H.95       | <b>Sh. - Sm.</b>  | 1939-1981 |



### Correspondence

- |             |   |            |
|-------------|---|------------|
| H.96-H.98   | <b>Sourkes, T.L.</b>  | 1972-1975  |
|             | Sourkes worked in the Department of Psychiatry at McGill University, Montreal, Canada.                        |            |
| H.96        | 1972.   |            |
|             | Chiefly <i>re</i> Sourkes's visit to Cambridge in 1973.   |            |
| H.97        | 1973.   |            |
|             | Chiefly <i>re</i> arrangements for Sourkes's visit.   |            |
| H.98        | 1975.   |            |
|             | Chiefly <i>re</i> Sourkes's visit to Cambridge in 1975.   |            |
| H.99, H.100 | <b>Taylor, K.W.</b>   | 1964-1978  |
|             | Taylor worked at King's College Hospital Medical School before moving to the University of Sydney, Australia. |            |
| H.99        | 1964-1966   |            |
|             | <i>Re</i> ox growth hormone.  |            |
| H.100       | 1978.   |            |
|             | <i>Re</i> career.   |            |
| H.101       | <b>Th. - Tu.</b>  | 1966, 1976 |
| H.102-H.106 | <b>Tigertt, W.D.</b>  | 1954-1975  |
|             | Tigertt worked at the US Army Walter Reed Army Medical Centre.  |            |
| H.102       | 1954-1957.  |            |
|             | Chiefly social correspondence and <i>re</i> prospective visits.   |            |

**Correspondence**

- H.103                      1958-1959.
- Chiefly correspondence *re* W.S. Greenfield.
- Tigertt wrote to Young on 28 April 1959 enquiring why the pioneering work of Greenfield on 'attenuated' vaccines, which seemed to predate that of Pasteur, had not received more recognition. Young initiated a correspondence with colleagues in the UK on the subject.
- H.104                      1961.
- Includes correspondence *re* possible visit to Cambridge, and article by Tigertt on W.S. Greenfield.
- H.105                      1962-1964.
- H.106                      1966-1975.
- Chiefly social and personal correspondence.
- H.107                      **Wallis, M.**    1978-1979
- Wallis worked at the University of Sussex.
- Re* career.
- H.108                      **Wa. - Wr.**    1949-1981
- H.109                      **Whelan, D.J.**    1975-1976
- Whelan was editor of *Trends in Biochemical Sciences*.
- H.110, H.111              **Whitehead, R.G.**    1971-1980
- Whitehead was head of the Medical Research Council's Child Nutrition Research Unit based in Uganda until 1973, when he became Director of the Dunn Nutrition Unit in Cambridge.

**Correspondence**

- H.110                      1971-1973.  
Chiefly *re* work of the Child Nutrition Research Unit, and career.
- H.111                      1980.
- H.112-H.114              **Young, D.A.B.**    1967-1976  
Young worked in the Oxford University Department of Biochemistry on diabetes before moving to the Institut de Biochimie Clinique in Geneva, Switzerland. He returned to the UK to join the Nuffield Institute of Comparative Medicine
- H.112                      1967-1968.  
Chiefly *re* career.
- H.113                      1969, 1971.  
Reports on research.
- H.114                      1973-1976.  
*Re* career.
- H.115                      **Y., Z.**    1961-1981
- H.116-H.120              **Zuckerman, S.**    1943-1975
- H.116                      1943-1949.
- H.117                      1950.  
Includes correspondence *re* the *Journal of Endocrinology*, edited by Zuckerman, and shortage of cellulose film.
- H.118                      1951-1952.

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H.119 1953, 1959.

H.120 1975.

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H.141	1975 (1).	
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H.143	1976 (1).	

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H.145 1977-1980, n.d.

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