

# **CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE**

Catalogue of the papers and correspondence of

**CYRIL DEAN DARLINGTON, FRS**

(1903-1981)

Compiled by Jeannine Alton and Peter Harper

## **VOLUME I**

List of Contents

General Introductions

Sections A - E

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# LIST OF CONTENTS

|                           | <u>Item</u>   | <u>Page</u> |
|---------------------------|---|-------------|
| GENERAL INTRODUCTION      |   | 5           |
| SECTION A                 | BIOGRAPHICAL AND PERSONAL A.1 - A.207   | 10          |
| A.1 -A.16                 | Autobiographical and bibliographical  | 10          |
| A.17 -A.98                | Diaries and jotters   | 12          |
| A.99 -A.118               | School and university   | 17          |
| A.119-A.138               | Personal correspondence and material  | 18          |
| A.139-A.199               | Family correspondence and material  | 20          |
| A.200-A.207               | Photographs and press-cuttings  | 25          |
| SECTION B                 | JOHN INNES HORTICULTURAL INSTITUTION<br>(from 1960: JOHN INNES INSTITUTE)<br>B.1 - B.98 | 26          |
| Introduction to Section B |   |             |
| B.1 -B.18                 | Darlington's career at John Innes, 1923-40  | 28          |
| B.19-B.50                 | General administration and organisation, 1930-53  | 29          |
| B.51-B.79                 | Later correspondence and papers, 1954-80  | 32          |
| B.80-B.92                 | Minutes and reports   | 37          |
| B.93-B.98                 | Lectures and summer courses   | 38          |
| SECTION C                 | OXFORD C.1-C.125  | 40          |
| Introduction to Section C |   |             |
| C.1 -C.11                 | Darlington's career at Oxford   | 42          |
| C.12-C.82                 | Botany Department   | 43          |
|                           | Lectures and teaching   | 43          |
|                           | General administration  | 45          |
|                           | Botanic and Genetic Gardens   | 48          |
|                           | Nuneham Courtenay Arboretum   | 49          |

|  | <u>Item</u>                            | <u>Page</u> |
|--|--|-------------|
| C.83 -C.109                            | Oxford reform                          | 50          |
| C.110-C.115                            | Magdalen College                       | 53          |
| C.116-C.121                            | Oxford colleges and societies          | 53          |
| C.122-C.125                            | Historical miscellany                  | 54          |
| SECTION D                              | RESEARCH                               | D.1-D.206   |
| Introduction to Section D              |  |             |
| List of topics                         |  |             |
| SECTION E                              | PUBLICATIONS                           | E.1-E.710   |
| Introduction to Section E              |  |             |
| E.1 -E.653                             | Publications and drafts                | 80          |
| E.654-E.675                            | Miscellaneous and unpublished material | 138         |
| F.676-E.710                            | Editorial correspondence and material  | 141         |
| SECTION F                              | LECTURES AND BROADCASTS                | F.1-F.120   |
| Introduction to Section F              |  |             |
| F.1 -F.66                              | Lectures                               | 146         |
| F.67-F.120                             | Broadcasts                             | 153         |
| SECTION G                              | SOCIETIES AND ORGANISATIONS            | G.1-G.110   |
| Introduction to Section G              |  |             |
| List of contents                       |  |             |
| SECTION H                              | VISITS AND CONFERENCES                 | H.1-H.187   |
| Introduction to Section H              |  |             |
| SECTION J                              | CORRESPONDENCE                         | J.1-J.287   |
| Introduction to Section J              |  |             |
| INDEX OF INDIVIDUALS AND ORGANISATIONS |  | 230         |

## GENERAL INTRODUCTION

### PROVENANCE

The material, which is very extensive, was assembled at various dates between August 1981 and March 1985, from Darlington's room at the Department of Botany, Oxford, and his home at South Hinksey, Oxford, through the courtesy of his widow, Mrs. Gwendolen Darlington, and of Professor P.D.A. Harvey, his stepson and literary executor.

### OUTLINE OF THE CAREER OF C.D. DARLINGTON

Darlington was born in 1903, in Chorley, Lancashire, the second son of a serious-minded and hard-working family. His father was a schoolmaster until ill health obliged him to adopt a new career as private secretary to the distinguished German chemist K.E. Markell and to move with his family to Ealing. Darlington was educated at Mercer's School, Holborn, 1912-17, St. Paul's School, 1917-20 and Wye College, Ashford, 1920-23. In 1923 he began an association of more than thirty years with the John Innes Horticultural Institution which he entered as a 'volunteer unpaid worker', later becoming head of the Cytology Department (1937) and Director (1939). Here much of his most important work on cytology and chromosome theory was done, augmented by expeditions and work abroad and by contacts with many distinguished British, American and Russian workers in the field.

In 1953 Darlington resigned from the Institution, which had removed in 1949 from its original home at Merton to a new site at Bayfordbury near Hertford, and accepted the Sherardian Professorship of Botany at Oxford. Here, in addition to the 'routine' work of teaching, research and publication, he took a keen interest in the Botanic Garden, created the Genetic Garden, played an active part in the acquisition of Nuneham Courtenay Arboretum, and espoused the cause of extending the teaching of genetics in particular and science in general in the University. A lasting result was the new School of Human Sciences, which he had encouraged. On retirement in 1971 Darlington remained in Oxford where he continued to study and publish extensively until his death in 1981.

An account of Darlington's life and work by D. Lewis can be found in Biographical Memoirs of Fellows of the Royal Society, 29, 1983, pp.113-157, to which reference is made in some of the catalogue entries.



## DESCRIPTION OF THE COLLECTION

The material, which fully documents all aspects of Darlington's career, is presented in the order shown in the List of Contents; additional explanatory notes accompany many of the Sections, sub-sections and individual entries in the catalogue. The following paragraphs aim only to draw attention to matters of particular substance or interest.

The division into Sections, though real enough, is no more than convenient, and introduces a sense of linear development particularly artificial in the case of Darlington who interwove past and present, friendships and controversy, research and personality into a deliberate dialectic throughout his career. Cross-references have been provided where possible to link topics or correspondents between Sections, but these are no more than pointers and it remains essential to view the collection as an entity.

Darlington never wrote, or at least never completed, an autobiography (see E.471 for a statement of his intention to do so). In another sense, his whole life could be seen as an autobiography, seen through his diaries and jotters, the many historical accounts - published and unpublished - of episodes in his career and of friends or enemies made and cherished, or in the more extended narratives compiled for the Royal Society and other organisations. To these must be added the innumerable comments and reflections added in manuscript and at various dates to virtually every document that passed through his hands - not excepting earlier stages of his own work and certainly not sparing letters and papers received from others. Viewed in this manner, few can have revealed themselves more fully, or more deliberately, for Darlington was among the most self-conscious of men, aware of himself as an actor in his own life, aware of the value of his work, and aware of the many interlocking factors and influences of nature and nurture, heredity and circumstance which constituted his person and his role.

Section A contains the greatest number of overtly autobiographical and personal material in the form of narratives, diaries and jotters. Darlington's own career is more fully documented in Sections B (John Innes) and C (Oxford) and there are relatively few honours, awards or records of public life, for Darlington was far removed from an establishment figure. On the other hand, the family correspondence is of some general interest as well as illuminating several aspects of Darlington's early career. The letters and cards exchanged with his parents 1920-49 (A.169-A.195) are revealing of the seriousness, even austerity, of the Darlington family ambience and the seemingly affectionate and easy

relations between parents and son. Mrs. Darlington especially, who writes to both her sons as 'My dear old' Alfred or Cyril, has a spontaneous charm of expression as well as, when required, a forthrightness worthy of Cyril. Also in Section A are records of Darlington's extreme care for his own publications, their progress and incorporation in an ongoing bibliography, and his lasting resentment of any tampering with them (or, as he put it, 'censorship' or 'suppression').

Section B includes material relating to Darlington's own career at the John Innes Horticultural Institution, its uneasy constitution, the move to Bayfordbury, and the problems of the organisation of a research establishment highlighted by Darlington's departure for Oxford. There are Annual Reports and Minutes - liberally annotated - going back to the earliest days of the Institution in 1910. Section C records Darlington's career at Oxford, both in its embattled aspects of 'Oxford Reform' (C.83-C.109) and its gentler features such as the building-up of the Botanic and Genetic Gardens, and the interest in Oxford history and topography.

Section D (Research) corresponds to Darlington's own description of the material and includes his own early notebooks and observations. A substantial portion (D.31-D.122) is devoted to history of science and scientists, notably William Bateson, and to N.I. Vavilov, Russian genetics and the Lysenko controversy. This is an obvious area of overlap with other Sections such as E (Publications) and J (Correspondence) made inevitable by Darlington's own ordering of his papers which has been respected. The 'background information' in this Section not only chronicles the development of Darlington's thinking but also provides a useful assemblage of contemporary ideas and publications on various topics.

The most substantial Section in the collection is E (Publications), which enforces respect as much for Darlington's painstaking search for fluency and elegance of expression as for his prolific output as researcher, polemicist and reviewer. The material includes scientific papers of all periods and technical range, as also the drafts and publishing history of two of the major books on evolution produced in his later years - The evolution of man and society, 1969, and The little universe of man, 1978. It is interesting to note Darlington's friendly relations with his long-term publishers, his conscientious setting and keeping of deadlines, and the attention to detail which can be seen to extend to the exact layout and colour-scheme for the dustjackets of his books. Darlington's writing methods were lavish of time and effort (his own and other people's), involving multiple drafts, mostly dated but written on confusing and diverse media such as old proofs or company reports, annotated in black, blue, red or green ink, pencil and ballpoint; these were fittingly



described as a 'palimpsest' by his publisher (E.466), but they document significant changes in substance or emphasis as well as Darlington's sense of style. There is a remarkable number of papers and writings additional to the official bibliography, and some unpublished material; these are listed in the Introduction to Section E.

Section F (Lectures and broadcasts) covers a wide span of Darlington's career, including his major lectures (the Conway, Herbert Spencer, Woodhull and Gregynog Lectures) and many shorter talks. The broadcasts, often on such controversial topics as evolution, heredity, Russian genetics and the relations between politics and science, regularly elicited press comment and correspondence.

Section G (Societies and organisations) is not extensive, partly because of Darlington's abrasive individualism and impatience with officialdom. There is, however, a full account of the journal Heredity founded and owned by Darlington and R.A. Fisher, and its connection with and eventual transfer to the Genetical Society (G.19-G.65) and the immense effort Darlington invested in his responsibilities as editor and reviewer.

Section H (Visits and conferences) extends widely in time (1927-81) and space, including especially the formative early visits to Persia, America and Japan, the Klampenborg meeting in 1938 and various International Genetics Conferences in which Russian colleagues were involved, or forbidden to be involved. There are also records of the International Chromosome Conferences which Darlington considered as one of his most important tasks at Oxford. The first three of these were held in Oxford in 1964, 1967 and 1970, as was the last which Darlington attended in 1980.

Section J (Correspondence) contains some extended exchanges with colleagues over a period of time (e.g. J.B.S. Haldane, J.S. Huxley, E.K. Janaki-Ammal, P.C. Koller, H.J. Muller). Most, however, are relatively brief, but embellished with notes and comments often of scientific, historical or personal interest. These may be co-terminous with receipt of the letter or document, or added later when Darlington went through many of his papers with autobiographical or archival purposes in mind.

## LOCATIONS OF FURTHER MATERIAL

Some records of Darlington's career, and taped interviews conducted by B.J. Harrison, are held at the John Innes Institute.

At the time of his death, Darlington was working on a book, A diagram of evolution, for publication by Oxford University Press; correspondence, notes and a partial draft are currently held by his literary executor, P.D.A. Harvey.

A little correspondence is retained in family hands.

The war memoirs of Alfred Darlington (brother) are deposited in the Imperial War Museum, London.

The papers of John Harvey (cousin) which include further correspondence of the Darlington family, particularly in the period 1895-1912, are deposited at the Royal Institute of British Architects, London.

## ACKNOWLEDGEMENTS

We are grateful to Mrs. G. Darlington and to Professor P.D.A. Harvey for making the material available and for providing some information, in particular about the family correspondence, and for their comments on the draft catalogue. We thank Dr. O.F. Darlington for making available his family letters.

Sincere thanks are due to Mrs. J.R. Knowles (Radcliffe College Archivist) who did much of the preliminary sorting during sabbatical leave in Oxford.

As always, we thank Mrs. M.M. Edwards for typing various drafts of the catalogue.



SECTION A                      BIOGRAPHICAL AND PERSONAL A.1 - A.207

A.1 -A.16      AUTOBIOGRAPHICAL AND BIBLIOGRAPHICAL

A.17 -A.98      DIARIES AND JOTTERS

A.99 -A.118      SCHOOL AND UNIVERSITY

A.119-A.138      PERSONAL CORRESPONDENCE AND MATERIAL

A.139-A.199      FAMILY CORRESPONDENCE AND MATERIAL

A.200-A.207      PHOTOGRAPHS AND PRESS-CUTTINGS

A.1-A.16                      AUTOBIOGRAPHICAL AND BIBLIOGRAPHICAL

A.1                      Shorter autobiographical fragments, by or annotated by Darlington, 1904, 1907, n.d. but probably 1922 (announces intention to emigrate to Australia), 1922 (mainly diary entries 1919-22), n.d. 1940s (on MacBride and Gates), 1957 (on 'Espinasse').

A.2                      'My Approaches to Genetics & Evolution'; a 12pp. ms. account of research and colleagues at John Innes Institution, dated May 1974.

Also included is a diagram of the lay-out of the Institution in 1923, headed 'The Battlefield'.

A.3                      Autobiographical notes and jottings, October 1976 (headings of 'My Seven Ages'), December 1976, October 1977 (early impressions of London, John Innes Institution), November 1977, May 1980 (recollections of Hartley, Hall, and the 'Tots & Quots' dining club founded by Zuckerman in 1940), November 1980, and other shorter notes.

A.4-A.7                      Biographical notes, articles and c.v.s compiled by Darlington.

A.4                      1942-60

A.5                      1965. Multiple drafts for McGraw Hill, Modern Men of Science. Includes diagrams to illustrate his theory of meiosis.

A.6                      1969-71

A.7                      1972-78. Various drafts and updatings for Monadori Editore, Scienziati e tecnologi.

Biographical and personal

- A.8, A.9 'Personal record' for Royal Society.
- A.8 18pp., November 1941
- A.9 'Personal Record II (1958)'. Ms. and typescript versions (not identical).
- A.10 Biographical notes, prepared at request of the Oxford correspondent of The Times, 1961.
- A.11 Miscellaneous entries for various biographical compilations in Britain and overseas, 1963-78.
- A.12 Interview with C.J. Meyers, June 1964, on 'creativity' in science, Darlington's methods of work, family and educational influence, etc. Folder includes correspondence arranging interview, specimen questions (annotated), several drafts of transcript, and later amended version, September 1966, following further correspondence with Meyers.
- A.13-A.16 Bibliographies
- A.13 'Papers Published', 1p. ms. list, 1926-29  
'Work on Hand', 1p. ms. list, c.1927  
'Time Engaged on Papers', 2pp. ms. covering publications, 1925-37  
'Published reviews', c.1935  
1p. typescript list of publications, 1943-64  
'Current Papers', 1956  
'Oct. 1961'  
Bibliography, 1926-58 (printed booklet)
- A.14 Bibliography, 1957-65  
Typescript and ms. drafts, datings, etc.
- A.15 Bibliography, 1926-71 (printed booklet)  
With ms. drafts, information, etc.
- A.16 'Supplement to Bibliography', 3pp. typescript including entries 1927-81  
Miscellaneous ms. lists of publications in progress, under various headings: 'In the Press', 'In Statu Nascendi', 'Calendar of Commitments', 'On the Plate', 'Current Work', 'Agenda', etc., 1968-81.  
Included here is a ms. note 'Censorship', listing the occasions on which Darlington considered his work had been suppressed or tampered with.

Biographical and personal

A.17-A.98          DIARIES AND JOTTERS

DIARIES A.17-A.63

These are for the most part straightforward annual diaries in bound form, recording appointments and events, with varying degrees of detail and comment.

For some periods no bound volume survives and there may be a 'home-made' equivalent (A.22) or loose pages (A.23, A.25-A.27); occasionally these may include some more general notes and reflections which are noted in the relevant entries, but on the whole a distinction can fairly be drawn between this type of diary and the more discursive material entrusted to the 'jotters' at A.64 et seq.

- |      |  |
|------|--|
| A.17 | 1919   |
| A.18 | 1921   |
| A.19 | 1922   |
| A.20 | 1923. Includes end of Darlington's period at Wye and his start at John Innes Institution; there is a 1p. résumé of critical dates at rear of book.   |
| A.21 | 1924   |
| A.22 | 'Diary 1925'; this is a home-made assembly of loose pages, and extends to 17 October 1926 which is described as 'Beginning of a New Era' (the arrival of Sir Daniel Hall as Director of John Innes Institution on the death of Bateson). |
| A.23 | Loose pages of diary entries, not all of same format, numbered I-XVIII and covering period 29 October 1926-20 February 1929 (departure for Persian expedition).  |
| A.24 | Notebook used as diary. Begins 22 February 1929 and includes Persian expedition (to July 1929), continues to August 1930, with additional page of notes and reflections. For Persian visit see A.176-A.182, H.3-H.40.                    |
| A.25 | Loose pages of diary entries, 28 August 1930-17 May 1932.  |
| A.26 | Similar format of diary entries, 19 May 1932-12 September 1933. Includes visits to U.S.A. and Japan (see also A.66, A.67, A.184-A.190, H.45-H.50).   |



Biographical and personal

A.27                      Loose pages used as diary, with front page headed 'Diary Commonplace Quotations'. Entries run 13 September 1933-5 August 1937 (start of Darlington's honeymoon with his second wife Margaret Upcott).

A.28                      1945                                      A.30                                      1947

A.29                      1946                                      A.31                                      1948

A.32                      1949

A.33                      1950                                      A.38                                      1954-55

A.34                      1951                                      A.39                                      1955-56

A.35                      1952                                      A.40                                      1956-57

A.36                      1953                                      A.41                                      1957-58

A.37                      1953-54                                      A.42                                      1958-59

A.43                      1959-60                                      A.48                                      1964-65

A.44                      1960-61                                      A.49                                      1965-66

A.45                      1961-62                                      A.50                                      1966-67

A.46                      1962-63                                      A.51                                      1967-68

A.47                      1963-64                                      A.52                                      1968-69

A.53                      1969-70                                      A.58                                      1975

A.54                      1970-71                                      A.59                                      1976

A.55                      1972                                      A.60                                      1977

A.56                      1973                                      A.61                                      1978

A.57                      1974                                      A.62                                      1979

A.63                      1980-81

Biographical and personal

JOTTERS A.64-A.98

This term describes material in a wide variety of formats, including loose pages similar to those used for some of the diary entries. The content includes research ideas, reflections, apophthegms, notes on books read, quotations, observations on foreign travel, thoughts for speeches, articles or books, reminiscences, humorous limericks and all the varied material presented by daily life to an observant eye and witty pen.

Not all the material is dated; it is presented in chronological order as far as this is ascertainable.

- |      |   |
|------|---|
| A.64 | Hard-backed notebook inscribed 'Record 1923'. Includes transcript entries from diaries, 12 October 1923-12 February 1926, covering Darlington's first years at John Innes Institution up to the death of Bateson; several of the entries have annotations added at a later date.<br><br>At rear of book are quotations and recollections of J.B.S. Haldane, various dates, 1926-38, and (on loose page) caricature of A.D. (Sir Daniel) Hall, 1927.<br><br>Miscellaneous research notes occur on several pages of the book, which is similar to those used for early research at J.I.I. (see D.13, D.14, D.19). |
| A.65 | Small notebook, inscribed with name and address and date 'xii 27'. Both ends of book used.  |
| A.66 | Folder of notes, includes some references to impressions of America and Japan, c.1932-33.   |
| A.67 | Loose pages of notes clipped together, some references to Japan, c.1933.  |
| A.68 | Loose pages of notes, with a ms. heading by Darlington 'Aug. 1934-March 1935'.  |
| A.69 | Loose pages of notes, with a ms. heading '1937'.  |
| A.70 | Loose pages of notes clipped together, n.d., 1930s.   |
| A.71 | Small notebook, latest date 1942.   |

Biographical and personal

- A.72      Black notebook inscribed on cover 'Family History 1946'; inside front cover are notes of salient episodes and of 'Dramatis Personae'. Pages numbered 1-86.
- The main content is an account of Darlington's family history (from 1837) and his own career up to the purchase of Bayfordbury as a new site for the John Innes Institution in 1947; there is a later note on other members of the Darlington family pasted in, dated 1977, and it is possible that the narrative was written at more than one date.
- The book was originally the address book of W.H.R. Darlington (father), 1885-1916, and there are entries of names and addresses at the rear of the book, several annotated by Darlington.
- A.73      Small notebook, inscribed with name and address (Bayfordbury), n.d., c.1952.
- A.74      Small notebook, inscribed with name and address (Magdalen College) and dated 14 July 1953. Some pages dated 1954 and 1955. Both ends of book used.
- A.75      Small notebook, inscribed with name and address (Magdalen College), n.d., 1950s.
- A.76      Small spiral-bound notebook, inscribed with name and address (Magdalen College) and dated March 1957.
- A.77      Small spiral-bound notebook, inscribed with name and dated 27 March 1958.
- A.78      Loose pages torn from notebooks similar to A.76, A.77, n.d.
- A.79      Small spiral-bound notebook, inscribed with name and dated February 1959. Mainly on education.
- A.80      Spiral-bound notebook, inscribed 'Genetics of Society', with name, address (Magdalen College) and dated 1 November 1960.
- A.81      Spiral-bound notebook, inscribed with name and address (Botany School) and dated 1962. Many pages torn out.
- A.82      Spiral-bound notebook, dated 1962-63.
- A.83      Spiral-bound notebook, some pages dated 1963, 1964.
- A.84      Spiral-bound notebook, inscribed with name and address (Botany School) and dated 11 January 1964. Some pages dated 1965.
- A.85      Notebook, almost all pages torn out. Latest date 1964.



Biographical and personal

- A.86            Spiral-bound notebook, inscribed with name and address (Magdalen College) and dated 7 August 1965. One item dated 1966.
- A.87            Spiral-bound notebook, inscribed with name and address (Botany School) and dated August 1966.
- A.88            Spiral-bound notebook, inscribed with name and home address and dated August 1967. Several recollections of Haldane and others, and some items dated 1968, 1969.
- A.89-A.97       Nine small spiral-bound notebooks of identical format. Terminal dates are given though the entries do not follow in chronological sequence.
- A.89            21 March 1969-16 April 1970
- A.90            '1970-71', 20 April 1970-25 April 1971. List of topics on inside front and back covers.
- A.91            10 May-25 December 1971
- A.92            '1972 for EMS sequel'. Entries run December 1971-21 August 1972. List of topics on back cover.
- A.93            '1972-3', 15 September 1972-15 October 1973. List of topics on inside back cover.
- A.94            '1974-6', 18 January 1974-26 November 1976
- A.95            '16 May 1976', 16 May 1976-9 August 1978
- A.96            '25 Aug. 78', 25 August 1978-1 April 1980
- A.97            'On an Unforeseen Adventure 1980', 15 April 1980-13 March 1981
- A.98            Spiral-bound notebook of larger format, inscribed '1978'. Entries run 11 December 1977-22 February 1981. Both ends of book used.

Biographical and personal

A.99-A.118      SCHOOL AND UNIVERSITY

A.99, A.100      Boteler Grammar School, Warrington

School lists for 1910 (Alfred Darlington, Cyril's elder brother),  
1911 (Alfred and Cyril).

A.101-A.104      Mercer's School, Holborn

Darlington was a pupil 1912-17.

A.101      History notes.

A.102      Geography notes.

A.103      Certificate of admission, January 1912; miscellaneous fee receipts,  
examination results, 1912-16.

A.104      Material relating to closure of the school in 1958, including letters  
to the press by Darlington and others.

A.105-A.110      St. Paul's School

Darlington was a day-pupil 1917-20.

A.105      Entrance examination papers and correspondence re Darlington's  
admission to the School, November-December 1916; miscellaneous  
class lists 1917-19. Includes letter from Darlington's father to  
Headmaster of Mercer's School.

A.106      Physics notebook.

A.107      Carpentry exercises.

A.108      General essays, 1917-18.

A.109      'Introduction to Machines'.

A.110      Miscellaneous items 1920: 'Concise Encyclopaedia' (on cards);  
'Thoughts on leaving St. Paul's School'; speech day programme.  
Letter of recommendation from High Master, May.



Biographical and personal

- A.111-A.118      Wye College, 1920-23,  
and some later material 1953-80.
- A.111              Notebook, 'Organic Chemistry' and dated 1921 (material mainly on livestock and farm management).
- A.112              Notebook, 'Vet. Science' and dated 1921, notes on 'Common ailments of farm animals'.
- A.113              Notebook, 'Practical Botany 1920-2'.
- A.114              Notebook, 'Agricltl. Botany'.
- A.115              Notebook, 'Agriculture - Chemistry. Soils and Manures', one entry dated December 1922.
- A.116              Miscellaneous material and memorabilia, 1921-23. Includes correspondence re grant of the Paton-Figgis Scholarship which was twice awarded to Darlington during his period at Wye.
- A.117              Miscellaneous later material.  
Includes ms. notes for talk on 'Coming of Genetics' at Wye, 1952; correspondence, notes for speech, etc. on conferral of Fellowship of Wye College, June 1953; amended Charter of College, 1961; requests by Darlington for information on old colleagues, history of Wye College, miscellaneous invitations and printed items. Various dates to 1980.
- A.118              'Herbarium    Wye    1922-23'  
1 box.

A.119-A.138      PERSONAL CORRESPONDENCE AND MATERIAL

Health

- A.119              Miscellaneous documents and records, various dates, 1944-48, 1974.
- A.120              Letters from friends about Darlington's coronary, with some scientific and personal information, 1964.

Financial

- A.121              Miscellaneous income and investments, various dates, 1929-39.
- A.122              Miscellaneous receipts, mainly furniture, various dates, 1930s.
- A.123              Miscellaneous insurance, superannuation, etc.

Biographical and personal

Houses

- A.124 'Woodside', the house at Tubney, Abingdon, rented from Magdalen College, 1953-73.
- A.125 Pin Farm Cottage, South Hinksey, Oxford. Plans of house and garden, correspondence with previous owner re history, garden plants, etc.
- A.126 Miscellaneous correspondence and papers re Darlington's gift of trees and advice on tree-planting to replace damage caused by Dutch Elm Disease in the parish of South Hinksey.
- A.127 Miscellaneous correspondence re proposed Rail Transfer Station (rubbish crusher) at South Hinksey, 1977-78.

Career and personal

- A.128 1923-27. Includes letters and postcards, 1924-25, from friends met on visit to Germany.
- A.129 1933-44. Includes Darlington's reply to questionnaire on League of Nations.
- A.130 1944. Correspondence and papers re invitation to Darlington to stand 'as an independent progressive' for London University seat in Parliament. Includes letter from W. Beveridge.
- A.131 1948-61. Includes statement on 'Freedom in Berlin' of which Darlington was co-signatory.
- A.132 1962. Conferment of Honorary Doctorate, University of Ghent.
- A.133 1969-78. Includes note re family house at Billinge, Wigan.
- A.134 1973. 70th Birthday celebrations; greetings from friends, arrangements for dinner at Magdalen.
- A.135, A.136 Personal and social invitations. Two folders.
- A.137 Passports, 1922-73.
- A.138 Miscellaneous items of biographical interest. Includes drawings by Darlington.
- A.138A Miscellaneous material, correspondence, memoranda and notes relating to Darlington's plans for gifts or sale of his journals, reprints and books, and including letters of thanks, mainly 1970-71.

Biographical and personal

A.139-A.199 FAMILY CORRESPONDENCE AND MATERIAL

- A.139 Family Tree compiled by Darlington, probably in 1942, with subsequent additions.  
Folder includes a little miscellaneous correspondence on genealogical matters, especially the Frankland family (Darlington's mother).
- A.140 Miscellaneous birth, marriage and death certificates of members of the Darlington family.

Henry Darlington and Alice Darlington (née Dean) (Darlington's grandparents)

- A.141 Letters and postcards from Henry to W.H.R. Darlington (second son, C.D. Darlington's father), including a few replies from him, 1880-93.  
Copy of letter from Alice Darlington to W.H.R. Darlington and made by him 1901.

Alfred Darlington (Henry Darlington's eldest son) and Ellen Darlington (née Hilton)

- A.142 Letters and telegrams (few only), 1888-1941.

Edith, Maud and Bertha Darlington (daughters of Henry Darlington)

- A.143 Letters and cards (few only), 1890-1940.

William Henry Robertson Darlington, 1866-1943, and Ellen Darlington (née Frankland) 1874-1949.

Darlington's parents were married in 1896. Their two sons were Alfred Frankland Dean, b.1897, and Cyril Dean, b.1903. After several years as a schoolmaster at Leigh Grammar School, William Darlington and his family moved to Ealing, London, on his appointment as secretary to Dr. Karl Emil Markel (chief chemist of Crosfield Soap Limited). After Markel's death in 1932, he remained as secretary and adviser to Mrs. (later Lady) Vera Murray Morrison (daughter) who continued on friendly terms with the Darlington family up to and after the deaths of William and Ellen.

- A.144 1879-86. Miscellaneous letters and papers, mainly re WHRD's education; includes set of London University Matriculation Examination papers, 1884.
- A.145 'Samuel Johnson L.L.D.'. Dissertation by WHRD 'ca 1887'.
- A.146 1890-97. Miscellaneous letters and papers re degrees, applications for posts, posts at Leigh and Manchester, etc.



Biographical and personal

- A.147 Letters from C.H. Grace, 1891-92, 1897, and one letter from WHRD 1890. An artist friend, whose letters have pen and ink illustrations; he spent the last few weeks of his life in the Darlington's home, dying of tuberculosis in 1900.
- A.148 1902-3, 1916 (Special Constable), 1931 (election to Royal Institution).
- A.149 1912-14. Mainly Agreement between Brunner, Mond, Joseph Crosfield & Company, and K.E. Markel, re WHRD's appointment.
- A.150 1915. Article on British and German Dyeing and Chemical Industries, by Markel, published in 'Morning Post', March, and correspondence with H.E. Armstrong.
- A.151 Miscellaneous later material re Markel and the Markelstiftung. Includes Power of Attorney conferred on WHRD by Markel, 1926-27, and ms. draft of Markel's will, n.d.
- A.152 Letters, 1915-17, from Darlington to Markel's wife thanking her for gifts.
- A.153 Miscellaneous later letters from Vera, Markel's daughter, to WHRD and to Darlington, 1933, 1942, 1948.
- A.154 Miscellaneous memorabilia. Includes translations from the French published by WHRD in unidentified magazine.
- A.155-A.157 Two pocket diaries, 1933, 1937, and pocket notebook of miscellaneous dates and contents, 1894-1929.
- A.158-A.163 Letters exchanged by WHRD and Ellen Frankland (later Darlington). The earlier letters are all from him, the later years include more from Ellen (Nellie) during his absences abroad, holidays, periods of ill-health and convalescence, etc. Some of the letters have under-scorings and brief comments by C.D. Darlington.
- A.158 November 1893-June 1894
- A.159 July-September 1894
- A.160 1895. Letter of 24 May mentions sixty letters received from Ellen but they have not survived. Several of WHRD's letters in this folder are incomplete.
- A.161 1902, 1912-14, 1919
- A.162 1922, 1925, 1933-35

Biographical and personal

- A.163 1937, 1939, 1941. Also includes solicitors' note of sale of family house at Ealing, 1945, and two letters to Ellen from her father, J.W. Frankland, 1894, 1916.

Alfred Frankland Dean Darlington and Gwendoline (née Thompson) Darlington

Darlington's elder brother served in the First World War and won the Military Cross. He later became a doctor, living and working in Cheltenham.

- A.164 Letters from Ellen Darlington, various dates, 1918 (when Alfred was wounded on active service)-44, and one letter from AFDD 1940.
- A.165 Letters from William Darlington, various dates, 1921-41. Includes Deed of Covenant of AFDD to his father, 1932, two letters from V.M. Morrison, and one letter from AFDD 1941.
- A.166 Letters from Cyril Darlington to his brother, various dates, 1918-75. Includes reflections on 'The Great Retreat' based on Alfred's conversation when home on sick leave in March 1918, suggestion that AFDD should study human genetics, 1927, criticisms of public hospital wards during stay at Westminster Hospital, 1934.
- A.167 Letters from AFDD and Gwendoline to Darlington, various dates, 1918-78 and undated.
- A.168 Hard-backed notebook, inscribed by Darlington 'AFD Darlington 1976-79', of Alfred Darlington's reminiscences of family and childhood (to 1912 only).

Cyril Dean Darlington

A sequence of letters and postcards exchanged by Darlington with his parents, 1920-48, covering many of the important incidents of his early years; one or two letters from other relations or friends occasionally occur. Of special interest are the years at Wye College, 1920-23 (A.169-A.171), the expedition to Persia, 1929 (A.176-A.182), the visits to America and Japan, 1932-33 and Darlington's brief first marriage (A.184-A.190).

Wye College

Three folders:

- A.169 1920-21
- A.170 1922
- A.171 1923

Biographical and personal

- A.172 Letters from WHRD, 1922-27, mainly sent during Darlington's holidays abroad. Also includes letter from Darlington on family visit to Lancashire, 1921, and his account of British Association meeting at Oxford, 1926.
- A.173 Letters from EFD, 1923-28.
- A.174 Letters and postcards sent by Darlington on holidays abroad, 1922, 1924, 1925.
- A.175 Similar material, 1926-28. Includes budgets and a 4pp. narrative entitled 'Harz Adventure'.

The Persian Expedition, 1929

Letters, cards and papers from WHRD and EFD sent to Darlington, with various annotations, chronologies and comments by WHRD. Three folders.

- A.176 February-March
- A.177 April-May
- A.178 June
- A.179 Letters from other relations and friends, February-May.

Letters and cards sent home by Darlington, 1929. Three folders.

- A.180 February-March. Includes WHRD's list of 'Letters from Cyril'.
- A.181 April-May
- A.182 June-July
- A.183 Cards sent home by Darlington on holidays abroad, 1930.



Biographical and personal

Visit to America, 1932-33

Almost all letters sent to Darlington on this trip were from his mother; there are a very few from other friends and relatives but none from his father.

- A.184 Letters from EFD, June-December 1932. Includes less than favourable reaction to the news of Darlington's marriage.
- A.185 Letters from EFD, January-April 1933.
- A.186 Darlington's letters and cards to his mother, June-December 1932, with news of travel, research, colleagues, etc.; letter of 11 August contains news of marriage on 27 July to Kate Pinsdorf, a teacher of history at Vassar. Includes letter to his aunt Mary.
- A.187 Similar material, January-April 1933. Includes news of Darlington's acting début in Hamlet and (15 April) his forthcoming trip to Japan.
- A.188 Miscellaneous letters from others, mainly re Darlington's marriage, 1932.

Visit to Japan, 1933

- A.189 Letters from EFD, May-July 1933.
- A.190 Letters, cards, press-cuttings sent home by Darlington, May-July 1933, most to his mother but one to his father and one to his aunt Mary.
- A.191 1934. Includes material re Darlington's attack of jaundice and complaint of unsatisfactory conditions for patients at Westminster Hospital.
- A.192 1935-37
- A.193 Letters and cards from EFD, 1940-44. Includes a little material relating to the death and estate of WHRD and the covenant made by Vera Murray Morrison (Markel's daughter) in 1939.
- A.194 Letters from EFD, 1945-47.
- A.195 Letters to and from Darlington, his mother, brother and sister-in-law, 1948-49 (EFD died May 1949).

Biographical and personal

- A.196                      Brief correspondence and papers re Margaret (née Upcott), Darlington's second wife, 1935, 1948-49.
- A.197                      Miscellaneous biographical data, weight and height charts, etc. of Darlington's children.
- A.198, A.199              Letters from Darlington's children and grandchildren. Two folders.
- A.198                      1971-80.
- A.199                      O.F. Darlington 1960-81

A.200-A.207              PHOTOGRAPHS AND PRESS-CUTTINGS

PHOTOGRAPHS

- A.200                      Envelope of photographs of Darlington family and friends, 1890s, most identified on verso.
- A.201                      Envelope of snapshots and photographs of Darlington family and houses. Mainly 1930s, 1940s. Most identified on verso.
- A.202                      Photographs of W.C.F. Newton and of botanists at British Association Meeting, 1887.
- A.203                      Portrait photographs of members of the Darlington family.
- A.204                      Portrait studies of members of the Frankland family.
- A.205                      Portrait studies and photographs of the Markel family.

PRESS-CUTTINGS

- A.206                      1927-49
- A.207                      1950-79



SECTION B                      JOHN INNES HORTICULTURAL INSTITUTION    B.1 - B.98

(From 1960: JOHN INNES INSTITUTE)

INTRODUCTION TO SECTION B

- B.1 -B.18    DARLINGTON'S CAREER AT JOHN INNES, 1923-40
- B.19-B.50    GENERAL ADMINISTRATION AND ORGANISATION, 1930-53
- B.51-B.79    LATER CORRESPONDENCE AND PAPERS, 1954-80
- B.80-B.92    MINUTES AND REPORTS
- B.93-B.98    LECTURES AND SUMMER COURSES

Darlington spent over thirty years at the Institution, entering as a 'volunteer unpaid worker' in 1923 under Bateson's Directorship, becoming in 1937 Head of the Cytology Department and, on the retirement of A.D. (Sir Daniel) Hall in 1939, Director. He resigned in 1953 on his appointment as Sherardian Professor of Botany at Oxford. It was at the Institution that much of his crucial work on cytology and chromosome theory was carried out and that many of his deepest professional contacts were made; these included W.C.F. Newton, J.B.S. Haldane, A.D. Hall and others on the staff of the Institution, and a series of distinguished British and foreign, including Russian, visitors (see Memoir, pp.118-119).

When Darlington became Director, the Institution still occupied its original site at Merton (London) and suffered bomb damage as well as loss of charitable income during the Second World War. Some of the efforts to find a new site are documented at, e.g., B.26-B.29, B.34, B.37; eventually the Institution moved to Bayfordbury, near Hertford, in 1949. Its next move, in 1967, was part of a major re-organisation which incorporated some of its Departments into the University of East Anglia at Norwich.

The administration of the Institution in Darlington's time was uneasy and the Director's position in many ways anomalous. The Council included the Trustees of the John Innes Charity, and representatives of government, the universities and horticultural and farming interests. The Director attended Council meetings by invitation to present his reports but was not a member of it and saw its Minutes by courtesy, not of right. For a temperament as impatient of authority as Darlington's, this was particularly irksome; with other colleagues he made representations to Council for a change in conditions in 1936 (B.19-B.21) and wrote several memoranda at and after his resignation (B.48, B.52-B.54) as

John Innes Horticultural Institution

well as incorporating his views into various historical accounts (B.49, B.50) to which he continued to add to the end of his life (see especially B.78). The move to Norwich and the link with East Anglia also aroused his displeasure and his campaigning zeal (B.55-B.73). The Annual Reports and Minutes at B.80-B.92 are of interest for the underscorings and background comments, contemporary and retrospective, which Darlington freely bestowed on them.

Material relating to this long and important stage in Darlington's career is also to be found elsewhere in the collection: his own research and the history of science and scientists in Section D, expeditions, visits and conferences in Section H, correspondence with colleagues in Section J. There are abundant references to the Institution and its personnel in the autobiographical writings, diaries and jotters in Section A.

A note on nomenclature

The title 'John Innes Horticultural Institution' has been adopted as the heading for this Section, as being the original name and that operating throughout the period of Darlington's active connection with the place. The official name was changed to 'John Innes Institute' from 1960; in practice, written and spoken usage was '(the) John Innes' and this shortened form is used in the catalogue entries.

John Innes Horticultural Institution

B.1-B.18 DARLINGTON'S CAREER AT JOHN INNES

- B.1 1923  
Letter to Darlington informing him of unsuccessful application for Empire Cotton Growing Corporation studentship, July (photocopy).  
Ms. drafts of Darlington's letters of application to Bateson, photocopies of replies, November. (Memoir, pp.115-116.)
- B.2 1927, Application for Ph.D., University of London.  
1929-30, Application for D.Sc., University of London.
- B.3 1927  
Miscellaneous correspondence. Includes letter from E.S. Salmon re possible post at Wye (photocopy), and letter by Darlington on affairs of John Innes, to R.J. Chittenden, an early colleague. Included here is a letter, 1942, from Chittenden's mother, when her son was missing after the fall of Singapore.
- B.4 1928  
Applications for posts in America and Britain, notification of promotion at John Innes.  
1934  
Letter re salary.
- B.5 1937-39  
Leave of absence (for India), 1937  
Letter of appointment, 1938  
Tenancy agreement  
Application for position as Director in succession to A.D. Hall, notification of appointment (February 1939, to take effect October 1939).
- B.6-B.13 Letters of congratulation received on appointment, several with scientific or personal news, a few with drafts of Darlington's reply.
- |     |           |      |  |
|-----|-----------|------|--|
| B.6 | A - B     | B.10 | K - M - N                              |
| B.7 | C         | B.11 | O - P                                  |
| B.8 | D - E - F | B.12 | S - T - W                              |
| B.9 | G - H - J | B.13 | First name and unidentified signatures |



John Innes Horticultural Institution

- B.14 Correspondence, list of contributors to retirement presentation to A.D. Hall, September 1939.
- B.15 Miscellaneous poems, skits, cartoons, parodies by various members of John Innes staff on events and personalities. Various dates, 1931-39 and undated.
- B.16 Miscellaneous greetings and post-cards sent to John Innes, some from Russian colleagues. Mainly 1930s.
- B.17 Correspondence re Merton Cottage (Director's Residence), November 1939.
- B.18 Drafts, correspondence and memoranda re Director's Residence and its garden, errors in Council Minutes, Director's access to Minutes, and other Council matters, May 1940.

Subsequent material covering Darlington's period as Director of John Innes is included in the administrative correspondence below.

- B.19-B.50 GENERAL ADMINISTRATION AND ORGANISATION, 1930-53
- B.19-B.21 Drafts, memoranda, correspondence relating to proposed re-organisation of the Institution, 1936-37.
- Ms. and typescript drafts for various memoranda and resolutions, mainly by Darlington with the support of some of his colleagues, intended as discussion papers for submission to the Council. They concern almost all aspects of the John Innes: constitution, staff salaries, communication between Director and staff, policy-making and implementation, etc.
- B.19 1936, July-December
- B.20 1937, January-July
- B.21 Account of interview with Council, July 1936, at which D.M. Cayley and Darlington explained the Staff committee's proposals. These are ms. notes and narratives, probably contemporary with the events, and a typed-up version dated August 1961.  
See also B.90.
- B.22 Financial estimate for John Innes, February 1938.

John Innes Horticultural Institution

- B.23 Miscellaneous items on research at John Innes: Pisum investigation (1937); research application on chromosome numbers (1938); wartime research (1939). All by Darlington.
- B.24 Shorter correspondence re requests to work at John Innes, 1930, 1936-38.
- B.25 Brief correspondence with J.A. Innes, 1935, 1939.
- B.26-B.29 Correspondence, memoranda and proposals re possible move of John Innes to Waterperry House (to be leased from Magdalen College, Oxford). The correspondence is with members of the Council, the Bursar of Magdalen, and T.G.B. Osborn, Professor of Botany, Oxford.
- B.26 1940, October-December
- B.27 1941, January-June
- B.28 1941, September-October. Includes Budget and salary list for John Innes.
- B.29 Summary account of negotiations, September 1940-July 1941, 4pp. typescript, perhaps compiled at a later date.
- B.30 Shorter administrative correspondence on staff and affairs of John Innes, 1940-42.
- B.31 Shorter correspondence on research, 1940-42.
- B.32 Shorter administrative correspondence on staff and affairs of John Innes, 1943. Includes report on activities (July), and 1p. ms. draft of Director's Report.
- B.33 Shorter administrative correspondence, 1944. Includes correspondence and diagram of flying bomb damage.
- B.34 Correspondence and papers on the desirability of removal of John Innes, July-October 1943. Includes Darlington's memorandum on the subject (September) and comments by others, and a long letter by Prain (October).
- B.35 Shorter correspondence on research and visitors, 1944-46.
- B.36 General administrative correspondence, including staff, removal, endowment appeal and bequests, Council meetings, etc., principally with E.A. Courthope, 1945-46.

John Innes Horticultural Institution

- B.37 Correspondence, memoranda and reports, principally relating to various possible sites for John Innes, endowment appeal, and application for grant to ARC, 1945-46.
- B.38 Miscellaneous correspondence with colleges of London University, mainly re lectures. Includes Darlington's letter of resignation from Board of Studies in Botany (1950). Various dates, 1946-50.
- B.39 Administrative correspondence, 1947. Includes grant application to Nuffield Foundation on behalf of Cytology Department.
- B.40 Administrative correspondence, 1948. Includes exchange of letters on possibility of H.M. The Queen opening new premises at Bayfordbury.
- B.41 Administrative correspondence, 1949. Includes comments and material on Darlington's Annual Report.
- B.42 Correspondence, mainly re A.J. Bateman and Soviet genetics, 1949-52.
- B.43 Shorter correspondence on research and visitors, 1948-49.
- B.44 Miscellaneous material re move to Bayfordbury: plans and diagrams, postcards and stationery, ms. notes for Darlington's speech, draft of his note on the occasion for Nature.
- B.45 Administrative correspondence, 1951. Includes report of Quinquennial Committee of ARC, miscellaneous material re Pomology Department, Darlington's 'Memorandum on a five-year Garden Programme' for Bayfordbury.
- B.46 Administrative correspondence, 1952-53, mainly related to fruit-breeding policy, and including some photocopied material about irregular sale of John Innes varieties.
- B.47 Material relating to Secretary of John Innes, 1950-52 (photocopies).
- B.48 Correspondence and papers, February-August 1953, relating to Darlington's resignation from John Innes and the appointment of a successor; includes a copy of his 9pp. memorandum on 'The Directorship of the John Innes Horticultural Institution' sent to Rothschild, 31 July 1953 (photocopies), and ms. notes for his speech at farewell presentation, June.
- B.49 'J.I.H.I. 1939-53', Darlington's ms. account of John Innes under his Directorship, 11 May 1953.
- B.50 'John Innes Horticultural Institution. A Brief History'  
33pp. typescript with ms. corrections, 28 July 1953. Includes a letter of comment from S.C. Harland.



John Innes Horticultural Institution

B.51-B.79            LATER CORRESPONDENCE AND PAPERS, 1954-80

B.51                    Letter from K.S. Dodds (Darlington's successor as Director), 1954.

B.52-B.54            Correspondence, memoranda, drafts and report on the organisation of John Innes, submitted by Darlington to N.M.V. Rothschild and to the Agricultural Research Council, 1955-56. The material is in part a development of Darlington's memorandum of 1953 (B.48) and in part an expansion of views he expressed in an article 'Government Sponsored Research in Britain' (Science and Freedom, April 1955). Rothschild took particular exception to Darlington's reference to 'the business interests of those controlling research in the Agricultural Research Council'.

B.52                    Correspondence with Rothschild, August-December 1955. Includes long letter from Rothschild, annotated by Darlington, 15 December (photocopies).

B.53                    Correspondence with ARC re Darlington's memorandum and the Council's consideration of it, January-September 1956 (photocopies).

B.54                    Ms. and typescript drafts for correspondence with Rothschild and memorandum to ARC (January 1956).

B.55-B.73            Correspondence and papers on the move to Norwich, 1965-67.

The move from Bayfordbury to Norwich, first proposed in 1962, agreed by the Council in June 1965 and achieved in 1967, aroused dismay and protest from past and present staff members, scientists in the genetical and biological fields and others. The protest movement came to a head in 1965-66. Darlington played a prominent part, writing letters to the national and specialist press, mobilising support from colleagues, learned societies such as the Genetical Society and the Royal Society, and from the Member of Parliament for Maidstone, Mr. J. Wells. Questions were asked in the House, and the role of the Charity Commissioners was challenged.

Continued

John Innes Horticultural Institution

The move envisaged the transfer of the Departments of Cell Biology and Genetics, with professorial status for their Heads, to the School of Biological Sciences of the University of East Anglia. Other existing Departments were to be closed, and practical horticultural and agricultural work would be carried on at a separate field station. Thus, the university connection which had once existed with London would be re-established at East Anglia, but at the cost of the truncation of the Institute's Departments, the separation of fundamental and practical research, and the end of the John Innes as an independent integrated establishment. Terms such as 'dismemberment', 'dissolution' and 'dispersal' are often used (and not only by Darlington) in the papers on the subject.

Darlington himself saw the proposed action of the Trustees as a further manifestation of the divided responsibilities, multiple authorities and unworkable constitution of the Institute with which he had wrestled from 1936 onwards (B.19-B.21). His own contributions to the debate reflect this extra dimension as well as seconding the criticisms of others, and often refer to the memoranda he submitted in 1953 (B.48) and 1955-56 (B.41-B.54).

- B.55                      Drafts of two circular letters, and list of those circulated (November 1965).
- B.56-B.62                Correspondence with colleagues on future of John Innes, some in reply to circulars and some re earlier protest letters. Some are Darlington's carbons only. In alphabetical order.
- B.56                      'Archie' (A.P. Balfour)  
Beale, G.H.  
Blackman, G.E. (carbon only)  
Catcheside, D.G. (carbon only)  
Department of Education and Science
- B.57                      Fincham, J.R.S.  
Fogg, G.E.  
Frankel, O.H.  
Godward, M.B.E.
- B.58                      Harland, S.C.  
Hussey, G.  
Hutchinson, J.B.



John Innes Horticultural Institution

- B.59 Kemp, R.F.O.  
Krebs, H.A. (carbon only)  
Lawrence, W.J.C. A sequence of letters, drafts for letters to the press, comments, etc., July-December 1965.
- B.60 Lewis, D.  
Newell, J.  
Paxman, J.G.  
Race, R.R.  
Riley, R.
- B.61 Salisbury, Lord  
Skilbeck, D. (enclosing correspondence with J. Innes)  
Stern, F.G. (copy only)  
Taylor, G.  
Thoday, J.M.
- B.62 Thomas, P.T.  
Wells, J.J.  
White, M.J.D.
- B.63 Correspondence with newspaper editors re letters submitted by Darlington: in the first instance to The Times (declined), then to Nature (declined), New Statesman (no reply), Gardeners' Chronicle (agreed to publish).
- B.64 Duplicated copies of memoranda, drafts, letters to press, resolutions, with timetable of events, April-December 1965, compiled by Darlington. Not all the original documents occur in the collection.
- B.65-B.72 A chronological sequence of ms. and typescript notes and drafts, correspondence, etc. bearing on the John Innes controversy and Darlington's involvement. A few of the documents are extra copies of letters from colleagues, but most are additional material.
- B.65 1965  
Duplicated sheet of 'Historical Background'. Copy of statement of protest by senior staff of John Innes, heavily annotated by Darlington.
- B.66 1965, June-July  
Notes and drafts by Darlington.

John Innes Horticultural Institution

- B.67 1965, August-September  
Notes and drafts by Darlington
- B.68 1965, September-December  
Documents and correspondence relating to meetings of John Innes Council, and including statement by Chairman (James Innes) of decisions reached at December meeting.
- B.69 1966, January, May  
Includes correspondence with J. Wells MP, and a list of questions filed by Wells on the John Innes for reply in the House of Commons, 18 May.
- B.70 1967, January-May  
Correspondence on revised scheme for John Innes Foundation. Includes copy of Charity Commissioners Scheme of January 1909, and of revision of April 1967.
- B.71 1967, September  
Details of new appointments at East Anglia.
- B.72 Later correspondence re Charity Law Reform Committee, 1973, 1975, kept by Darlington with John Innes material.
- B.73 Press-cuttings re move to Norwich, 1965.
- 
- B.74 Miscellaneous correspondence from John Innes colleagues, J. Newell (1966), W.J.C. Lawrence (1972).
- B.75 Correspondence with colleagues and historians, mainly recollections of Bateson and early days at John Innes.  
Coleman, W. 1967  
Bateson and chromosome theory.  
Lesley, J.W. 1973  
Recollections of work with Bateson, 1912-14 and 1919.  
Mackenzie, D. 1973  
Biometrics and Mendelism (Bateson and R.A. Fisher. Includes photocopy of unpublished 1911 paper by Fisher).

John Innes Horticultural Institution

- B.75 (Cont'd.) Williams, C.B. 1973  
Work with Bateson, 1911-16.
- B.76 Miscellaneous correspondence, 1979-80 (includes letter from J. Newell on John Innes apples), Darlington's letter on death of R. Markham, and 3pp. notes for a lecture given at John Innes, 1981.
- B.77 Correspondence principally with B.J. Harrison (Archivist of the Genetical Society) and E. Atchison (Librarian, John Innes) on archive material for the archives of genetics and of the John Innes. Darlington contributed information, and a substantial file of documents. Photocopies of these were returned to him and appear at B.47, B.48, B.52, B.53. The correspondence runs 1978-81; see letters of 4, 16 October 1979 and 24 February 1981 for references to Darlington's own papers. Harrison also made available to Darlington photocopies of early Council Minutes, now at B.80, and some of the material relating to Bateson in Section D.
- B.78 Brief ms. notes by Darlington on various episodes of history of John Innes, some intended for an autobiography. Various dates, 1979-80, as follows:  
  
'JIHI', March 1979  
'Subrosa History of JIHI', July 1979  
'JIHI 1910-53' (for autobiography), November 1979  
'Autobiog.', November 1979  
'The Crucial Questions at the John Innes 1923-1953', December 1979  
Untitled (on John Innes fruit varieties), June 1980  
'The John Innes Chicanery 1953 to 1962', October 1980  
'Why I left JIHI', December 1980
- B.79 Photographs, of John Innes at Norwich site (1979), of Bateson and Vavilov (1924, reproduced).



John Innes Horticultural Institution

B.80-B.92 MINUTES AND REPORTS

MINUTES

- B.80 Council Minutes, 1923-24  
Photocopies made available by B.J. Harrison, some annotated by Darlington; includes draft letter to Harrison, March 1981, commenting on content of the documents.
- B.81 Council Minutes, Agendas, Memoranda, 1936-37, 1939-46; printed, several annotated by Darlington.
- B.82 Council Minutes, Agendas, Memoranda, 1946-47, 1949-50; typescript and duplicated, several annotated by Darlington.
- B.83 Council Minutes, etc., 1950-51.
- B.84 Council Minutes, etc., 1953-March 1954. Includes period of Darlington's resignation and the appointment of a successor.
- B.85 Minutes of meetings of Trustees, December 1952, March, June 1953 only.

REPORTS

- B.86-B.88 Three bound volumes of Annual Reports, all bearing 'J.I.H.I. Reports' and 'C.D.D.' on spine.
- B.86 1910-35. The front inside papers have comments and references by Darlington to events of special interest to him. The volume also includes a history and record of work of the John Innes Horticultural Institution prepared to commemorate its first quarter century in 1935.  
Until, and including, 1936, the reports were for Council only and inscribed 'Not for publication'. Darlington interpreted this as 'Publication suppressed' and there is a note to this effect. Several of the reports are also annotated by Darlington.
- B.87 1936-53
- B.88 1954-66. Some annotations by Darlington.

John Innes Horticultural Institution

- B.89-B.92 Additional material relating to Annual Reports and to the work of the Institution.
- B.89 Interim report by A.D. Hall on soil suitability of the Merton site (unfavourable), 1910.
- Annual Report, 1910 (original printed version; the copy in B.86 is a photocopy).
- Annual Report, 1911 (full version inscribed 'For Council Only. Not for Publication'. The version in B.86 is Abstract only.
- List of overseas workers in Cytology Department, 1928-39.
- Work in progress, 1930.
- Report of Inspectors, February 1931.
- B.90 'Report of Special Committee appointed by Council on 26th November 1936' (on organisation, conditions of work, salaries, etc.) and a little related printed matter. See also B.19-B.21.
- B.91 Darlington's drafts for reports, 1937 (?), 1939, 1941 (2).
- B.92 Drafts or proof copies of Annual Reports, 1942-48, all annotated or with marginal comments by Darlington.

B.93-B.98 LECTURES AND SUMMER COURSES

The two-week summer courses in genetics and cytology started in 1928 and were held biennially. Darlington participated in these from the first, at which he shared a course on cytology with C.L. Huskins.

For conference held in 1929 to celebrate centenary of birth of John Innes, see H.2.

- B.93 1928  
Timetable, ms. notes for Darlington's contribution to course of 10 lectures on cytology. Also includes programme for visit of Genetical Society.
- B.94 1930  
Typescript synopses, and ms. draft for course of 10 lectures on cytology, with a later ms. note 'My first lecture course'. Programme of course.

John Innes Horticultural Institution

- B.95                    1934  
Programme, timetable, syllabus of Darlington's 8-lecture course on cytology.
- B.96                    1936  
Programme, timetable, synopsis of Darlington's 8-lecture course on 'The Mechanism of Heredity'.
- B.97                    1947-48. University of London Intercollegiate Lectures, by Darlington and Mather (programme only)  
1951 'Guide for Seminars', by Darlington (1p. only)  
1951 Summer Course and Bateson Lecture (notice)  
1953 Summer Course and Bateson Lecture (notice)
- B.98                    Draft note on establishment of Bateson Lecture and correspondence with R.A. Fisher, J.S. Huxley, who gave the lecture in 1951 and 1953 respectively. Includes Darlington's ms. notes of introduction to both lectures.



SECTION C      OXFORD C.1 - C.125

INTRODUCTION TO SECTION C

|             |                               |
|-------------|-------------------------------|
| C.1 -C.11   | DARLINGTON'S CAREER AT OXFORD |
| C.12 -C.82  | BOTANY DEPARTMENT             |
|             | Lectures and teaching         |
|             | General administration        |
|             | Botanic and Genetic Gardens   |
|             | Nuneham Courtenay Arboretum   |
| C.83 -C.109 | OXFORD REFORM                 |
| C.110-C.115 | MAGDALEN COLLEGE              |
| C.116-C.121 | OXFORD COLLEGES AND SOCIETIES |
| C.122-C.125 | HISTORICAL MISCELLANY         |

Darlington's own accounts of his time at Oxford (C.11), though often characteristically sweeping and denunciatory, make clear his aims for research at Oxford and the difficulties he encountered. When he was appointed, the Botany Department was housed in a new building, inaugurated in 1951 though based on plans proposed in 1938, but its research under his predecessors Osborn and Tansley had been mainly ecological. Darlington defines his 'purpose at Oxford' as 'to make genetics in my own broad sense into the central framework of biology and biology itself integrated in this way into the central framework of education'. He goes on to enumerate the methods he intended to adopt towards achieving this as 'First, to teach undergraduates; secondly to appoint new staff in the department; thirdly to coordinate with other departments; fourthly, to establish through international conferences, which could be held with the greatest convenience in Oxford, the basic importance of chr.[osome] studies in biology which might otherwise be disregarded. Fifthly to publish books explaining my general educational goal and the means of getting there'.

Of these aims, the simplest were the teaching of undergraduates, illustrated in the carefully prepared and updated lectures (C.12-C.39) and the organisation of the chromosome conferences (see Section H). His other ambitions however drew Darlington increasingly, and not always reluctantly, into controversy with university faculty boards and administration

Oxford

(over new departmental appointments), with the colleges (over admissions policy and the tutorial system) and more generally with the existing departmental system which militated against the reformed curriculum and coordinated cross-disciplinary studies which he sought. Like many heads of science departments, he was involved in proposals for the reform of the 'Oxford system', gave evidence to the Franks Commission of Inquiry and wrote publicly on the subject (C.83-C.109). He appears to have been satisfied with the increase in the number of college Fellows appointed after the Franks Commission, while remarking that 'one of the results of course was an enormous waste of time in attending college meetings'.

Darlington's attempts to extend the scope of genetics into, for example, the new School of Human Sciences reflected a change of direction or more correctly a concentration of his own research away from plant genetics towards human and social genetics. This is shown in the major publications of his later years such as the revised Genetics and man (1964), Evolution of man and society (1969), Little universe of man (1978) as well as many articles and lectures, e.g., on cousin marriage, and reviews. See Sections D and E. His attention to these topics, though by no means new in his work and specified as his fifth step in advancing the cause of genetics, contributed to a withdrawal from university and departmental affairs, and a certain measure of isolation.

Darlington was a diligent Keeper of the Botanic Garden; in addition, he established a Genetic Garden and played a leading part in the acquisition of Nuneham Courtenay Arboretum (see C.67-C.82).



Oxford

C.1-C.11 DARLINGTON'S CAREER AT OXFORD

C.1 Application for Sherardian Professorship of Botany, Oxford, and notification of appointment, 1953.

Also included is Darlington's carbon to W.K. Slater (ARC) re new appointments at John Innes.

C.2, C.3 Correspondence with colleagues and referees re application for Oxford Chair, and related matters.

C.2 Champion, H.G.  
Fisher, R.A.  
Ford, E.B.  
Mather, K.

C.3 Osborn, T.G.B. (Darlington's predecessor at Oxford)  
Sinclair, H.M.  
Stern, F.C.

C.4-C.9 Letters and telegrams of congratulation, some including other scientific matters and a few with Darlington's reply.

|     |       |     |                                 |
|-----|-------|-----|---------------------------------|
| C.4 | B - C | C.7 | O - R                           |
| C.5 | F - H | C.8 | S - T                           |
| C.6 | K - M | C.9 | U - W and first-name signatures |

C.10 List of papers and books submitted in application for D.Sc., Oxford, 1958.

C.11 Darlington's own accounts of his period at Oxford.  
'What I did at Oxford', 2pp. ms. dated 20 October 1971.  
'Oxford Botany School 1953 to 1971', spiral-bound notebook so inscribed, 9pp. ms. n.d. but followed by additional note, mainly on discussion with J.R. Baker and A. Jensen on race, dated 14 August 1974 (see D.137).

The Sherardian Chair carried a Professorial Fellowship at Magdalen College (see C.110-C.115).

For Darlington's Inaugural Lecture at Oxford, see F.23-F.28.



Oxford

C.12-C.82      BOTANY DEPARTMENT

- C.12-C.39    Lectures and teaching
- C.40-C.66    General administration
- C.67-C.76    Botanic and Genetic Gardens
- C.77-C.82    Nuneham Courtenay Arboretum

C.12-C.39      Lectures and teaching

All the material is autograph manuscript unless otherwise indicated.

- C.12            Syllabuses, lecture lists, synopses, course outlines, 1954-70.  
Duplicated typescript with ms. annotations.
- C.13            Reading lists and bibliographies. Duplicated typescript.
- C.14, C.15      'Apomixis'
- C.14            Ring-back notebook so inscribed, with Darlington's name and dated  
'1955'. Notes for lectures.
- C.15            Tagged folder and some loose pages of notes for lectures on apomixis,  
originally tucked into C.14.
- C.16            'Oenothera    Sex Chrs'  
  
Ring-back notebook for course of four lectures, n.d. Material probably  
early 1950s, but includes updating notes and 1p. dated 1965.
- C.17, C.18      Genetics 1A and 1B  
  
Two ring-back notebooks for lecture courses so titled. Some pages  
bear various dates, 1962-66.
- C.17            'Genetics 1A'  
  
Lectures 1-4: Introduction; Mendel; nuclei; meiosis.
- C.18            Lectures 5-8: Meiosis II; polyploidy; chromosome breakage; species  
and hybrids, breeding systems.

Oxford

- C.19-C.23      'Lecture notes Genetics I 1960-70'
- Five folders of loose pages of notes and diagrams under this general heading, several using similar sub-topics to C.17, C.18, and some intended for 'Introduction to Biology'.
- C.24, C.25      Two ring-back notebooks 'Genetics IVA' and 'Genetics IVB', containing notes for course of 8 lectures on cell physiology and genetic particles. Various dates, 1956, 1958, 1959, 1963. Each book has a list of topics on the cover, though Darlington sometimes changed the order (see 1963 syllabus included in C.24). See also C.26.
- C.24            1. Nucleic Acids  
                 2. X Ray Breaks  
                 3. Chemical Breakage  
                 4. Biol. Effects of Radiation
- C.25            5. Visible Genes  
                 6. Plastids and Plasmagenes  
                 7. Nucleus and Cytoplasm  
                 8. Mutation Slides
- C.26            '4 Lectures on Development'
- Ms. notes tucked as loose pages into 'Genetics IVA'. Various paginated and dated, 1957-67.
- C.27            'Chromosome models'
- Two sets of notes and drafts, n.d.
- C.28            'Introduction to Biology. Oxford Biology Prelim'
- Two versions, October 1965.
- C.29            'Implications of the Chromosome Theory Michaelmas 1967'
- C.30            'Heterostyle Diagram 1968'
- C.31            Outline for course on 'Origins of Cultivated Plants', 4pp. 1969.
- C.32-C.38      Lectures on 'Evolution of Genetic Systems'
- Darlington lectured regularly under this general heading, often cannibalising or re-assigning previous material. It is therefore not easy to date the notes with any certainty.
- C.32            Lectures 3, 4 and 5 (2 versions of lecture 5, one dated May 1969).

Oxford

- C.33 Lectures 6 and 7.
- C.34 Syllabus of course of 4 lectures, May 1971, and extensive notes for Lecture 1.
- C.35 'EGS 2, Meiosis' May 1971.
- C.36 'EGS 3 Outbreeding' May 1971 and 1p. 'Lecture IV Summing Up'
- C.37 Various notes and narratives for lectures on Evolution of Genetic Systems, March-May 1971.
- C.38 Notes and narratives for a course of three lectures on evolution of genetic systems, April-May 1976.
- C.39 Miscellaneous notes for lectures on chromosomes and genetics.

C.40-C.66 General Administration

C.40-C.57 are a chronological sequence of correspondence and papers on matters affecting teaching, appointments, organisation and the running of the Department, and its relations with other Departments, Faculty Boards, central University administration and the development of science in general.

C.58-C.66 are shorter miscellaneous items.

Darlington's involvement in more general matters of 'Oxford Reform' is at C.83 et. seq.

- C.40 1953-54  
Includes letter from T.G.B. Osborn with account of existing organisation of Department, correspondence with members of staff re teaching, Darlington's note (March 1954) on 'Botany Tuition'.
- C.41 1955-56  
Includes Darlington's proposal for establishment of Hooke Lecture (1955), his draft memorandum on the need for 'New Biology Depts.' 1956, letter from E.B. Ford (1956).



Oxford

- C.42                    1957  
Mainly drafts and memoranda on need for change and expansion in Oxford science, preparation of memorandum on 'Growing points of Biology and Medicine', etc.
- C.43                    1958-59  
New appointments. Mainly correspondence re Darlington's proposals for Demonstrators, with colleagues, University Registry, etc. Includes 1p. later note by Darlington beginning 'Three times I tried to change the structure of botany teaching in Oxford ...'
- C.44                    1960-61  
Open Day; expansion of biology; committee for History and Philosophy of Science; ms. note on organisation of biology.
- C.45                    1961, February-April  
Correspondence and drafts re meeting of Professors of Botany in London, 4 March, to discuss recruitment of students of required quality into Schools of Botany (and a related letter, 1962).
- C.46                    1961, March-May  
Correspondence with Vice-Chancellor re wording of Darlington's Annual Report and his memorandum on 'Admissions of Botany Undergraduates to the University'.
- C.47                    1961, October, December  
October papers are Darlington's 'A day at Oxford: 25 Oct. 1961'; December correspondence is with Lord Nuffield re possible support for biology centre.
- C.48                    1962  
Correspondence re proposed research into East Africa dry country ecology.
- C.49                    1963  
Mainly papers and correspondence by Darlington and J.W.S. Pringle on new collaborative biology course at Oxford.
- C.50                    1964  
Correspondence on financial matters, and on appointments.
- C.51                    1964  
Correspondence and papers arising from Darlington's paper 'The Social Sciences' (January 1964) on proposed collaborative course in Oxford, mainly with Curator, Pitt Rivers Museum, and Professor of European Archaeology. Several of the letters refer to the heart attack which Darlington suffered in August.

Oxford

- C.52                    1965-66  
Appointments; methods of teaching, and memorandum on 'Botanical Policy at Oxford'.
- C.53                    1966-67  
Draft syllabus, reading lists, memorandum for genetics and the proposed course in Human Sciences at Oxford.
- C.54                    1967-69  
Chair of Forestry.
- C.55                    1967-69  
Chair of Genetics; recommendation for George Eastman Professorship, etc.
- C.56                    1968-69  
Correspondence on departmental affairs, sent to Darlington during his visit to Australia, 1968. See also H.125.  
  
Minutes of staff meeting, February 1969.
- C.57                    1969-71  
Sherardian Chair of Botany.

History of Science.

Shorter miscellaneous items

- C.58                    Lists of graduates of Botany School and their further careers, 1951-64, 1967.  
  
Doctors of Philosophy of Botany School, 1954-61.  
Examiners in Final Honour School of Botany, 1946-60.
- C.59                    Examination questions, various dates, 1962-69.  
  
'Graduands' Complaints', June 1966.
- C.60-C.65            Requests to visit, work in Department, see work in progress, etc.; includes some letters of thanks.
- |      |         |      |               |
|------|---------|------|---------------|
| C.60 | 1958-62 | C.63 | 1965          |
| C.61 | 1963    | C.64 | 1966          |
| C.62 | 1964    | C.65 | 1967-70, 1973 |
- C.66                    Miscellaneous items relating to the Botany Department.

Oxford

C.67-C.76      Botanic and Genetic Gardens

The Sherardian Professor was ex-officio Keeper of the Botanic Garden (originally Physic Garden, founded in 1621), the oldest in the country, situated near the 'old' Botany School near Magdalen Bridge. Darlington also established in 1954 a Genetic Garden, nearer to the new Botany Department in the Science Area, for hybrids, variegated plants and plants used for chromosome studies.

The correspondence below relates to specimens for both gardens, though the variegated plants were intended for the Genetic Garden.

See also J.238 for shorter correspondence on specimens.

- |      |   |
|------|---|
| C.67 | 1954  |
| C.68 | 1955, October-December<br>Includes 5pp. note by Darlington 'Classifying Variegated Plants',<br>13 October.  |
| C.69 | 1955-56<br>Correspondence with colleagues at John Innes Horticultural Institution.  |
| C.70 | 1955-58<br>Correspondence with Hilliers & Sons, Nurserymen. Includes 4pp.<br>classification by Darlington of 'Veitch's Grafting Experiments 1912'<br>(the year of the first R.H.S. Chelsea Show). |
| C.71 | 1957  |
| C.72 | Miscellaneous ms. and typescript notes by Darlington on variegated<br>plants from various sources (including his own garden) for the Genetic<br>Garden, 1957.                                     |
| C.73 | 1959  |
| C.74 | 1963-65<br>Includes material <u>re</u> Superintendancy of Botanic Garden, correspondence<br><u>re</u> specimens and <u>re</u> founding of Garden.   |
| C.75 | 1964<br>Ms. and typescript notes and lists of 'Genetic Garden Notes 1964',<br>'Variegated Plants at Oxford 5 Feb. 64', 'Genetic Garden Plant<br>Sources'.   |



Oxford

- C.76                      1970-71
- Correspondence 1970 is re Tercentenary Celebrations of Royal Botanic Garden, Edinburgh, and includes ms. draft for Darlington's 'Address of Congratulation' on the event.
- Correspondence and papers 1971 are re 350th anniversary of Oxford Botanic Garden and include Darlington's drafts for celebratory reception, exhibition handout, speech, article for Nature.

C.77-C.82              Nuneham Courtenay Arboretum

In his article for Nature (C.76 above), Darlington writes discreetly that 'in 1969 an anonymous benefactor put a third garden at the disposal of the university, the established and now rehabilitated arboretum at Nuneham Courtenay'. His own summary 'History of the Loss and Recovery of Nuneham Courtenay Arboretum' (C.78) is an outline of events 1962-70, usefully supplementing gaps in the surviving correspondence and making clear Darlington's leading role in negotiations with the University authorities and with the benefactor. The earliest documents, however, show that he was interested in establishing an arboretum several years before (1957-58), originally on a site adjoining the Cherwell (C.77).

- C.77                      1957-58
- Includes Darlington's ms. and typescript drafts for 'Proposed Oxford Arboretum'.
- C.78                      'History of the Loss and Recovery of Nuneham Courtenay Arboretum 1962-70', 6pp. duplicated typescript.
- C.79                      1962
- Papers and correspondence re University's sale of land at Nuneham Courtenay, and re the Pinetum.
- C.80                      1964-65
- C.81                      1966-69
- Correspondence with benefactor (Mrs. Mary Snow) who made possible the re-purchase of the land, through the Barbinder Trust.
- C.82                      1966-70

Oxford

C.83-C.109      OXFORD REFORM, 1958-70

A chronological sequence of memoranda, notes, correspondence and publications, relating to matters widely debated in the 1950s and 1960s, including the recruitment of undergraduates, research students and staff, the relations between colleges and departments, the tutorial system, and the like. Like many of his colleagues, Darlington gave evidence to the Robbins Committee, the National Incomes Commission and the Franks Commission and aired his views locally in the Oxford Magazine and more widely in the national press.

- C.83            'Alma Mater Polytechnica'; drafts for letter to Oxford Magazine December 1958, January 1959.
- C.84            'Graduates in Oxford'; drafts for letter to Oxford Magazine, November 1959, arising from letter on subject by Principal of St. Anne's. Includes correspondence, data, etc.
- C.85            'College dues for graduates'; drafts for letter to Oxford Magazine (published 11 February 1960). Includes data and correspondence.
- C.86            'The Two Cultures'. Article prepared for special 'Snow Symposium' number of Graduate Journal, University of Texas, IV, Spring 1961, and published under the title 'The Case of Oxford'. Includes draft, data, correspondence, copy of article as published (together with updated version of 'The dead hand on discovery', see E.158-E.161).
- C.87            'Colleges, Departments and the Teaching of Science'; 7pp. typescript draft, with ms. date 'July 1960'.
- C.88            'Movement in the Universities'. Two letters published in The Guardian, 26 May and 14 June 1961. Includes drafts, correspondence, press-cuttings.
- C.89            Correspondence with W. Hume-Rothery, on college fees for graduates and on admissions, 1961.
- C.90            Memorandum submitted to the National Incomes Commission (on 'Consequences of the Double Standard of Payment under the College System in Oxford') June 1963. Drafts, correspondence.
- C.91-C.95      Franks Commission of Inquiry
- C.91            Notes, drafts, replies to questionnaire circulated to heads of departments.
- C.92            'Proposals for reform in the University of Oxford'. Darlington's memorandum and appendices, submitted 12 September 1964. Typescript with extensive ms. corrections.



Oxford

- C.93 Correspondence arising from memorandum, September-December 1964.
- C.94 'C.D.D. vs. Oxford United'. Press-cuttings about Darlington's proposals for reform at Oxford, 1964-65.
- C.95 5pp. typescript report sent to Darlington, beginning 'You asked me to find out to what extent the Franks Commission had taken note of your evidence', signed 'J.B.', 14 June 1966.

C.96-C.102 'Oxford reformed'

Darlington lists this in his Bibliography under 1965 as 'Submitted to Encounter, 4 May (unpublished)'. In a footnote to his drafts he accurately sums up the history of the article as 'invited by Encounter November 1964 - submitted to Encounter May 1965 - rejected by Encounter 1 June 1966' (see C.96, C.100). This delay, and cavalier treatment, prompted Darlington to correspond with the Society of Authors and others (C.101), especially after the widespread press comment on CIA involvement in the finances of Encounter. The periodical commissioned and published a shorter article 'Oxford Unreformed' (Encounter, 28, January 1967) and a correction in the March issue (C.99).

In 1968 Darlington was invited to re-cast and re-submit the material for publication in Question, the periodical of the Rationalist Press Association (C.103-C.106).

- C.96-C.98 Drafts for 'Oxford Reformed'.
- C.96 December 1964, with Darlington's note on the sequence of his dealings with Encounter.
- C.97 Extensive ms. and typescript re-draftings, various dates in April 1965, enclosed in a folder inscribed 'My proposals for reform'.
- C.98 Notes and ideas on various aspects of history, funding and organisation of Oxford.
- C.99 'Oxford Unreformed'. Drafts for article, correspondence with editor on misprints, reprints of article as published, and letter of correction.
- C.100 Correspondence with editor of Encounter (M.J. Lasky) and staff, December 1964-October 1966. Includes invitation to write article, postcard declining to publish (June 1966), subsequent correspondence and note of invitation to write second article.



Oxford

- C.101 Correspondence with others on Encounter article:  
Society of Authors 1966  
The Guardian 1967  
J.F. Kermode 1967
- C.102 Typescript copies of Encounter correspondence made by Darlington.  
Press-cuttings about Encounter and CIA.

C.103-C.106 Article for Question

In 1968 Darlington was asked to consider publishing some of the first Encounter article in Question. He decided to write 'a fresh article', submitted in January 1969 and published in the January 1970 issue under the title 'The Evolution of Oxbridge'. The change of title indicates the very extensive re-working which Darlington undertook in order to include an historical survey, the treatment of Dissenters and religious abuses as well as the secular privileges previously attacked.

- C.103 Correspondence with editor re article, 1968-69, copy of article as printed.
- C.104 'Can Oxford be reformed'  
Heavily-revised version of 'Oxford Reformed', dated 16 July 1968, and with a ms. introduction 'We asked Prof. D ... to give us his views on the present position in the light of renewed student interest in the management of universities' (no indication of place or date).
- C.105 Extensively-corrected drafts for article to adapt it for publication as 'The Evolution of Oxbridge', various dates, November 1968, January-March 1969.
- C.106 Notes and ideas on Oxford. Similar material to C.98 but with more historical emphasis.
- C.107-C.109 Press-cuttings and articles on Oxford, assembled by Darlington and many heavily annotated by him. 3 folders:
- C.107 1960-64
- C.108 1964-65
- C.109 1968-71 and n.d.

Oxford

C.110-C.115      MAGDALEN COLLEGE

The Sherardian Chair carried with it a Fellowship at Magdalen. On retirement, Darlington was made an Emeritus Fellow, and subsequently (1972) elected to an Honorary Fellowship.

- C.110                      1953-69  
Correspondence 1953 commemorates his election.
- C.111                      1971  
Building and appeal.
- C.112                      1971  
Gift by Darlington of stone plaque for the Magdalen Plane.  
Ms. notes (n.d.) on Magdalen Rose Garden.
- C.113                      1971-72  
Election to Emeritus (1971) and Honorary (1972) Fellowships at Magdalen.  
  
Arrangements for retirement parties, 1971, at Magdalen and New College, including notes for speeches.
- C.114                      1971-80
- C.115                      Miscellaneous, mainly social invitations.

C.116-C.121      OXFORD COLLEGES AND SOCIETIES

An alphabetical sequence of shorter items: invitations to lecture, dine.

- C.116, C.117      Ashmolean Club                                      1955-80  
A senior dining club, limited to twenty members; Darlington was elected in 1954.  
  
Invitations to meetings (mainly declined), lists of members, history of Club, etc.
- C.118                      B - Ho

## Oxford

- |             |  |         |
|-------------|--|---------|
| C.119       | Humanist Group   | 1963-70 |
|             | J - M  |         |
| C.120       | Natural Science Club   | 1957-78 |
|             | A senior society, founded in 1907 with a limited membership of twenty-seven, mainly heads of science departments.  |         |
|             | Letter of election (1957), invitations to meetings, lists of members.  |         |
| C.121       | O - S  |         |
| C.122-C.125 | HISTORICAL MISCELLANY  |         |
| C.122       | Correspondence and papers <u>re</u> plaque installed on wall of University College, Oxford, to commemorate the work of Boyle and Hooke, 1960-65.   |         |
|             | Correspondence begins in 1960, initiated by E.J. Bowen. Darlington's letter to the Master of the College, 6 October 1964, offers to meet the cost, but the College agreed to do this, and the plaque was put up in May 1965. Folder includes correspondence, drafts for wording of plaque, press-cuttings and ms. draft of an article by Darlington for the <u>Oxford Mail</u> about the plaque and about old Oxford street names. |         |
| C.123       | Correspondence on Oxford science and scientists, 1962.   |         |
| C.124       | Correspondence <u>re</u> commemorative plaques for Hooke and Hooker, 1966.   |         |
| C.125       | Correspondence on old Oxford street names which Darlington hoped to revive, 1964-69.   |         |
|             | See J.97 for similar correspondence on London place and street names.  |         |



SECTION D      RESEARCH D.1 - D.206

INTRODUCTION TO SECTION D

LIST OF TOPICS

|             |                         |              |
|-------------|-------------------------|--------------|
| D.1-D.4     | ECOLOGY AND ENVIRONMENT |              |
| D.5         | ETHOLOGY                |              |
| D.6-D.11    | EUGENICS                |              |
| D.12-D.30   | GENETICS                |              |
| D.31-D.122  | HISTORY                 |              |
|             | Biographical            | D.31-D.65    |
|             | Correspondence          | D.66-D.71    |
|             | Soviet genetics         | D.72-D.116   |
|             | Background material     | D.117-D.122  |
| D.123       | INCEST                  |              |
| D.124-D.128 | INDIA                   |              |
| D.129-D.143 | INTELLIGENCE            |              |
| D.144-D.152 | IQ AND RACE             |              |
| D.153-D.181 | SOCIAL GENETICS         |              |
|             | Assortative mating      | D.153-D.155  |
|             | Crime, etc.             | D.156-D.162  |
|             | Culture, etc.           | D.163, D.164 |
|             | Mental deficiency       | D.165, D.166 |
|             | Modern societies        | D.167-D.171  |
|             | Pedigrees               | D.172        |
|             | Population              | D.173        |
|             | Primitive mind          | D.174        |
|             | Reflexes and instincts  | D.175        |
|             | Miscellaneous           | D.176-D.181  |
| D.182-D.206 | NOTES ON READING        |              |

Research

The alphabetical arrangement by topics is for convenience only and does not reflect the chronology of Darlington's research interests. His earliest work, on plant chromosomes, is documented in the laboratory notebooks, microscope observations and notes under 'Genetics' (D.12 et seq.), and his interest in eugenics is also shown to be of early date (D.6). The large component subsumed under 'Social Genetics' (D.153-D.181) indicates his later concentration on such problems as evolution, population genetics, intelligence and the like.

The material under 'History' (D.31-D.122) includes documents (some originals, some photocopies from the archives of the John Innes Institute) on William Bateson and his family, and a substantial section on the history of Soviet genetics and Western attitudes to it. Darlington was one of the leading British opponents of Lysenkoism, and a personal friend and strong supporter of Vavilov who had collaborated with Bateson in the early years of the John Innes. Darlington wrote several tributes and obituaries when news of his friend's death was received and lived long enough to witness his rehabilitation. The Lysenko controversy illustrated divisions of opinion among British intellectuals, several of whom such as J.B.S. Haldane, J.D. Bernal and G.B. Shaw supported Lysenko's views. The background material at D.117-D.122 is a useful assemblage of contemporary pamphlets, articles and press-cuttings on the subject.

Most of the 'topics' contain some notes, ideas and drafts by Darlington, and a little correspondence, but a considerable proportion is his files of background information - articles, scientific papers, press-cuttings - usually kept in an envelope or stiff cover with a descriptive title now shown in inverted commas in the entries. Almost all the documents bear comments, summaries or assessments by Darlington\*. They are of interest for the light they throw on the development of Darlington's views on a topic and also on general thinking at the time, whether or not this was in line with his own. They help to illustrate the formulation of his ideas and hypotheses, and the composition of some of his later work. Similar material can be found used specifically for a book at E.570-E.633 (Little universe of man) and at E.661-E.665 assembled for a possible sequel to it. The folders also indicate the wide range of Darlington's reading, which is further attested by the very numerous notes found in books in his study at home (D.182-D.206).

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\* For reasons of space, and at the request of the receiving institution, material without annotation has been discarded and, when only the title page bore a comment, that alone has been retained.

Research

D.1-D.4            ECOLOGY AND ENVIRONMENT

D.1                Ms. notes on climate, history and changes of climate, deserts, history of agriculture, man and his habitat, etc. A few with various dates, 1950s, 1960s.

D.2                Ms. notes on conservation, some dated 1972, 1974.

D.3                'Land and Habitat'  
Darlington's folder of annotated background material.

D.4                'Ecology / Envmt. Conservation - Pollution'  
Darlington's folder of annotated background material.

D.5                ETHOLOGY

Ms. notes and annotated background material on behaviour in man and animals. Includes some diagrams on genetics and language.

D.6-D.11        EUGENICS

D.6                'Concerning eugenics'  
Heavily-corrected ms. drafts (5pp. and 2pp.), one headed 'Huxley & Co.', and 1p. typescript headed 'Concerning eugenics'. n.d. but reference is made to 'a recent address' by Huxley (the Norman Lockyer Lecture, 1926).

D.7                Miscellaneous notes and references.

D.8                Notes and correspondence, 1962, on family histories of the Jukes, Kallikak and Bungler families. Includes related printed matter.

D.9                Correspondence with Eugenics Society and others on research into adoption, 1960-63. Includes a little related printed matter, and ms. notes by Darlington.

D.10              Annotated background material, mainly 1962. Includes Chicago Daily Tribune report on Darlington's support for population control.

D.11              Background material.



Research

D.12-D.30      GENETICS

- D.12      Small black notebook, inscribed 'Notes 1923-25'. Mainly on chromosome numbers and genetic theories. Both ends of book used.  
  
Includes as loose items an early passport photograph of Darlington and a press announcement of his Royal Institution lectures on 'The Cytological Theory of Heredity', 1931. See E.21, F.1.
- D.13      'Lactuca (Bolting) 1924'  
  
Hard-back notebook so inscribed; some pages torn out and some loose. Both ends of book used.  
  
Notes on lettuce cultivation, 1924, 1925, and 1p. ms. 'Note on Lettuce-bolting June 1925'.
- D.14      'Cytology Notes 1924-26'  
  
Hard-back notebook so inscribed; some loose pages. Inside front cover is a note 'On the Chromosome Behaviour and Origin of our Cherries' and further notes for a collaborative paper on the subject with 'M.B.C.' [Crane]. Intercalated on front page is a ms. 'Diary of Occupation' of work and collaborators at Merton, 1923-28.  
  
Book includes records of experiments on Prunus, Ribes, hyacinth, begonia, etc.  
  
Both ends of book used.
- D.15      'Cherries 1926. Notes & Photos. Leningrad Herbarium'  
  
Folder of material so described.
- D.16      'Mr. Newton's Report'  
  
2pp. ms. by Darlington, on Tulipa. n.d. c.1927.
- D.17      Miscellaneous ms. notes on various species, 1927-29.
- D.18      Pages from loose-leaf notebook; notes on various topics in chromosome and genetic research. Various dates, 1929-33.
- D.19      'Fritillaria'  
  
Hard-back notebook so inscribed on front cover. Rear cover is inscribed 'Scilla. Hyacinth. Eucomis etc', but the bulk of the work is from the front of the book, and on various specimens of Fritillaria. Some pages bear dates 1926, 1929-30, 1931.

Research

- D.20            'Tomatoes'
- Hard-back notebook so inscribed, with note inside front cover 'all X-rayed 14.6.30.' Pages headed by Darlington, observations made by another. Few pages used.
- D.21            'Notes 1930'
- Miscellaneous pages torn from a notebook, on chromosome theory.
- D.22            'Notebooks, 1933-40'
- Ring-back binder so inscribed on spine; inside front cover inscribed 'Recent Advances in Cytology' (book first published 1932, 2nd ed. 1937, 3rd ed. 1967). See E.38-E.45.
- Notes and diagrams on various species, many with later additions in red and blue pencil.
- D.23, D.24      Two hard-back notebooks (not by Darlington) of chromosome counts, etc. Both ends of books used.
- D.23 has a note for 'Muller' on p.1.
- D.24 (microscope and slide readings) has some pages dated 1934.
- D.25            Sequences of ms. notes and diagrams by Darlington, on 'The Origin of Iso-Chromosomes', 1940; perhaps drafts or preliminary work for article published in J. Genet., 39.
- D.26            'Sorghum 1940'
- Ms. notes and diagrams.
- D.27            'Chromosomes of monkeys and men'
- Correspondence with colleagues, 1955, 1958-59, 1961, related to paper by Darlington and Haque so titled (Nature, 175, 1955) of which a copy is enclosed.
- D.28            Miscellaneous notes and drafts on chromosome coiling, some dated 1962.
- D.29            Draft pages on centromeres, perhaps for book; paginated 106-111, latest reference 1963.
- D.30            Miscellaneous research notes, 1978, 1979 and undated.



Research

|             |                     |
|-------------|---------------------|
| D.31-D.122  | HISTORY             |
| D.31 -D.65  | Biographical        |
| D.66 -D.71  | Correspondence      |
| D.72 -D.116 | Soviet Genetics     |
| D.117-D.122 | Background material |

D.31-D.65      Biographical

Correspondence, drafts, notes, documents (including photocopied and printed material) on British geneticists and especially William Bateson and members of the Bateson family.

D.31-D.45      Bateson, W.

The material is presented in chronological order. It includes several original documents, photocopied material obtained by Darlington from the Bateson archives at the John Innes Institute, and drafts of later biographical or historical work by others. Many of the documents, from whatever source, bear Darlington's comments.

D.31      Small black notebook, originally Bateson's, inscribed on cover 'Violas' and inside 'Violas received from President Brainerd Middlebury College Vermont'. Contains 7pp. ms. notes and observations on viola specimens.

Back cover is labelled 'Rubus received 1902' and contains 16pp. of brief notes by Bateson.

The book was extensively used by Darlington for his own biographical and autobiographical writings. The back cover is inscribed 'Brief Lives' and the front page, dated '21.X.47', is headed 'Occasional Sketches'; the latest entry (in front of book) is dated 8 February 1970. Includes recollections of R.A. Fisher, E. Barker, R. Birley, J.B.S. Haldane, G.R.S. Snow, conversations with Rothschild, W.J.L. Lawrence, etc., as well as an account of Darlington's parents and early upbringing.

D.32      Letters to Bateson from Wilson, Morgan, Johanssen, Keynes. Various dates, 1909-11.

Photocopies, with Darlington's list of contents in folder.

D.33      Letter to Bateson from R.R. Gates, with Darlington's note of the contents ('Priority - Facilities at JIHI - Argument Recombination vs. Mutation') and another note on Gates and Bateson. 1909-14.



Research

- D.34 Letters from Bateson. Mainly to his wife during visit to New York, December 1921-January 1922, but also includes correspondence re award of Darwin Medal, July 1922.  
Photocopies, paginated 1-20 by Darlington and with a few annotations by him.
- D.35 Copy of Bateson's Leidy Memorial Lecture on 'Segregation', 1922, extensively annotated by Darlington and with a ms. note on Bateson's career, 1977.
- D.36 Photographs of Bateson, at Ithaca, in Russia, with Johanssen, etc., 1922-25; photograph of cartoon of E.W. MacBride, 1926. All identified on verso by Darlington.
- D.37 Laisser-passer for Bateson, on his visit to Leningrad. Issued by R. MacDonald, with a covering letter on conditions in Russian, 1924.
- D.38 Letters to Bateson from Catherine Vavilov, 15 and 29 January 1926.  
Photocopies, annotated by Darlington. See also D.62.
- D.39 Miscellaneous Bateson memorabilia: press-cuttings, invitations, etc., 1925-26. Includes Darlington's letter of condolence to Mrs. Bateson.
- D.40 Darlington's recollections of Bateson, written at various dates.  
'Memories of William Bateson, written calamo corrente 22.XII.26.'  
(with some later additions; Darlington's cartoon of MacBride, referred to on p.6, is appended).  
2pp. 'Auto' note, 1 December 1977.  
2pp. 'Biog.', 22 May 1978.
- D.41 Copy of W. Coleman: Bateson and chromosomes, 1967, annotated by Darlington and with 1p. ms. notes by him.
- D.42 Correspondence with W.E. Castle and others re 'Bateson at Harvard', and reorganisation of the Bussey Institution, 1961.
- D.43 Correspondence with A.G. Cock re his proposed biography of Bateson, 1973, 1977.
- D.44 Draft chapter from proposed biography: chapter 4, 'University politics: degrees for women and compulsory Greek'. Photocopy.
- D.45 Miscellaneous publications by Cock on Bateson, Anna Bateson and other members of the Bateson family.  
Also included is a note by B. Mehler and G.E. Allen on 'The William Bateson papers', 1977.

Research

- D.46-D.57      Bateson, G.  
Gregory, born in 1904, was the youngest of Bateson's four sons. He became an ethnologist, and married Margaret Mead.
- D.46      Draft papers by Bateson, sent to Darlington for comment, with covering letter, 1962, 1968. Enclosed here is later correspondence, 1979, from G. Bateson's publisher asking Darlington to review his book Mind and Matter.
- D.47      Correspondence with D. Lipset about his proposed biography 'Gregory Bateson: The Legacy of a Scientist', 1975-79, with 1p. list of Darlington's corrections to the draft.
- D.48-D.56      Drafts of book, under working title 'Gregory Bateson: Natural History of a Naturalist', with a few marginal corrections as listed.
- D.48      Preface, two copies
- D.49      List of contents; Chapter I
- D.50      Chapter II
- D.51      Chapter III
- D.52      Chapter IV
- D.53      Chapter V
- D.54      Chapter VI
- D.55      Chapter VII
- D.56      Chapter VIII
- D.57      'Gregory Bateson: Early Biography'. Photocopy of contribution by Lipset to About Bateson ed. J. Brockman, 1977. Heavily annotated by Darlington.
- D.58      Frankel, O.H.  
Short ms. note, 1979.
- D.59      Gobineau.  
Ms. notes, n.d.
- D.60      Haldane, J.B.S.  
Miscellaneous ms. notes on Haldane and family, some dated 1978, 1979. Includes copies of Darlington's reviews of 'J.B.S.' (Nature, 220, 1968) and 'Haldane and Modern Biology' (Nature, 222, 1969).

Research

- D.61            Huxley, T.H.  
Brief notes only.
- D.62            Morgan, T.H.  
Photocopied article, annotated by Darlington.
- D.63            Muller, H.J.  
Photocopies of letters from Muller to J.S. Huxley, March 1937,  
sent to Darlington 1980 with a covering letter from B.J. Harrison.  
Annotated by Darlington; on Soviet genetics.
- D.64            Newton, W.C.F.  
Ms. notes, 1978 and n.d.
- D.65            Folder of book reviews and press-cuttings on history and philosophy of  
science, biographies of scientists and liberals of 1930s, etc.

D.66-D.71            Correspondence

An alphabetical sequence of exchanges with colleagues and historians requesting or forwarding information. Kept together by Darlington.

- |      |                                   |         |
|------|-----------------------------------|---------|
| D.66 | Badash, L.                        | 1976    |
|      | Baker, J.R.                       | 1974    |
|      | Brownlee, A. (Robert Burton)      | 1967    |
| D.67 | Hillejan, (Mendel)                | 1960    |
|      | Iltis, H.H.                       | 1974    |
|      | Kevles, D.J.                      | 1978    |
|      | Kupzow, A.J.                      | 1974    |
| D.68 | Macintyre, A.                     | 1975    |
|      | Mackie, E.W. (Megaliths)          | 1977    |
|      | Mayr, E.                          | 1978    |
|      | Olby, R.C.                        | 1974-76 |
| D.69 | Osborn, T.G.B. (Bobart)           | 1950-51 |
|      | Pickering, G.W. (Galton)          | 1959    |
|      | Polani, P.E. and others (Poulton) | 1977    |



Research

|      |                                     |         |
|------|-------------------------------------|---------|
| D.70 | Royal Scottish Museum (W.S. Sutton) | 1977    |
|      | Shine, I. (T.H. Morgan)             | 1975    |
|      | Sinclair, H.M. (J. Adams)           | 1978    |
| D.71 | Stuessy, R.E.                       | 1975-76 |
|      | Wells, G.P. (L. Hogben)             | 1976    |
|      | Wilczynski, J.                      | 1951    |

D.72-D.116 Soviet Genetics

A chronological sequence of correspondence, drafts, notes and publications, concentrated particularly on the 1940s and 1950s when Darlington was one of the central figures in Britain attacking the theories and influence of Lysenko, and more generally the interference of ideology and politics in Russian science. Darlington wrote extensively and forcefully on the subject, as well as giving broadcast talks or contributions to discussions and reviewing publications by others.

The publishing history of some of his articles was far from smooth (D.77-D.78) and some of his suggestions were rejected (D.76). Darlington lived long enough to see the rehabilitation of his friend Vavilov and to write an obituary of Lysenko (D.114-D.116).

The 'background material' at D.117-D.122 is of interest both for the presence of ephemera, British and foreign, not easily assembled, and for the social and political aspects of science in the 1930s and 1940s when many leading practitioners of the physical and biological sciences were strongly left-wing. Darlington, for all his tilting at officialdom and despite his personal friendship for several participants in the debate, such as J.S. Huxley and J.B.S. Haldane, took the other view as a geneticist.

- D.72                      Shorter correspondence, 1934-43.  
                             Includes letter from A.D. Hall 1934, note on twinning research, 1940,  
                             invitation to chair discussion on Soviet genetics - declined - 1940.

For shorter publications on Russian genetics, see E.71-E.73.

- D.73                      Letters, 1945, 1946, with news of fate of colleagues in Russia.

Research

- D.74 Obituary notice of N.I. Vavilov, published in Nature, 156, 1945, by Darlington and S.C. Harland. Extensively revised ms. and typescript drafts. Includes copy of a letter, 1938, from Vavilov to Harland, and later correspondence, 1953, requesting Darlington to write Royal Society Memoir of Vavilov (declined).
- D.75 Shorter correspondence, 1946-47  
Includes letters on Russian cotton, publications on Russian science.
- D.76 'Concerning genetics in USSR'  
Translation of article so titled, made by T. Dobzhansky and sent to Darlington. Includes letter from Nature declining to publish, 1947.
- D.77-D.79 'The retreat from science in Soviet Russia'  
Darlington had considerable difficulty in finding a publisher for this article, which most thought too sweeping. It appeared eventually in The Nineteenth Century.
- D.77 Correspondence with publishers, 1946-47: Hulton Press, Harper's Magazine, The Fortnightly, Nature.
- D.78 Continuing correspondence, with G. Orwell and editor of Polemic, which accepted the article. The magazine closed down before publication but the editors arranged for publication in The Nineteenth Century, 1947. Also includes request to reprint article in American publication New Leader.  
Included here is a draft letter, December 1980, marked 'Not sent' to B. Crick about his biography of Orwell and Darlington's recollections of Orwell.
- D.79 Extensively corrected ms. and typescript drafts for article, copy of article as published. Also includes 'Postscript' referring to later developments in Soviet Genetics, 1948.  
See D.87.
- D.80 'A revolution in Soviet Science'  
Copies of article as published in Discovery, February 1947, and reprinted in J. Hered., 38, May 1947, with 1p. ms. notes.



Research

- D.81 'Genetics and science in the USSR'  
Copy of letter as published in Br.med.J., November 1947.  
'Soviet biology ...' (review of address by Lysenko). Draft, letter of thanks, copy of review in Br.med.J., November 1947.
- D.82 'Russian Science'  
Draft letter to editor (perhaps Br.med.J. ?), November 1947.  
No indication of whether published.
- D.83-D.86 Correspondence in response to Darlington's articles in Discovery, Nineteenth Century and Br. med. J., 1947-48, some with additional information on Soviet genetics.
- |      |       |      |       |
|------|-------|------|-------|
| D.83 | A - D | D.85 | K - M |
| D.84 | F - H | D.86 | P - T |
- D.87 'Science in Russia'  
Article published in Thinker's Digest, 1948, based on some of the material in Nineteenth Century article. With letter from S. Unwin suggesting subsequent publication.
- D.88 Correspondence with Discovery, 1948, on Lysenko, and an account of Vavilov's last days by J.S. Alexandrowicz (see also D.100, D.116).
- D.89-D.93 'The war against science in the Soviet Union'  
Article written for Picture Post, 25 September 1948, arising from the session of the Lenin Academy of Agricultural Sciences in July 1948.
- D.89 Copy of article as published, and of Italian translation in Vita e pensiero, April 1949.  
Darlington's ms. draft, titled 'From Lenin to Lysenko', 18pp., not identical with published text.  
Includes correspondence from editor commissioning article urgently.
- D.90 Correspondence A - E, 1948.
- D.91 Correspondence with V.S. Frank, 1948, enclosing translations of Russian articles, radio summaries, etc.
- D.92 Correspondence O - U, 1948.
- D.93 Miscellaneous background material. Includes copy of Darlington's letter on purge of Russian geneticists sent to President, Royal Society.



Research

- D.94, D.95      'The Lysenko Controversy'  
Third Programme broadcast, with contributions by Harland, Darlington, Fisher, Haldane, published in The Listener, December 1948.  
See also F.91.
- D.94              Copy of broadcast as published, background material, correspondence arising from broadcast.
- D.95              Correspondence, 1948-49, requesting permission to reproduce material. Includes Darlington's ms. and typescript draft sent to editor of Research.
- D.96              Correspondence, 1948-50, re proposed collection of papers on 'The death of a science in Russia'; includes Darlington's 'Bibliography' of material to be included.  
Letter from German colleague on Lysenko controversy, 1948.
- D.97              'Lysenko and the scientists'  
Ms. and typescript drafts for letter to editor of New Statesman and Nation, published as 'The Lysenko controversy', January 1949.
- D.98              'La Science résiste à la Dictature'  
10pp. heavily-revised translation, apparently made by Darlington himself, of article 'Science resists dictation', New Leader, New York, 1949.  
See E.168.
- D.99-D.102      Correspondence and information, 1949.
- D.99              A - H  
Includes draft for news item for publication on Darlington's and Mather's 'The elements of genetics', and correspondence with J.S. Huxley on his article on Lysenko for Nature.
- D.100             L - M  
Includes correspondence with D. Michie on Vavilov's fate.
- D.101             Correspondence with H.J. Muller and others.  
Includes copies of articles in Saturday Review of Literature by G.B. Shaw (defending Lysenko) and Muller (against), draft article by Dobzhansky, etc.
- D.102             O - S

Research

- D.103 Ms. and typescript draft of review of J.S. Huxley: Soviet genetics and world science, for The Literary Guide, December 1949.
- D.104 Material relating to VII International Botanical Congress, Stockholm, July 1950 and especially to questions put to I.Y. Glushchenko, head of Russian delegation, by Darlington and others. See also H.78-H.83.
- D.105 Miscellaneous correspondence and papers, 1951-53.  
Includes copy of 'Why communism must fail' (1951) with articles by Russell, Shapiro, Darlington, F. Watson, W.N. Ewer, V. Feather; arrangements for conference on 'Aspects of Communism' at which Darlington gave a talk, etc.
- D.106 Copies of Soviet press reports relating to Lysenko's reported 'disgrace', sent to Darlington by Foreign Office, 1953.
- D.107 Correspondence and papers, 1954.  
Includes brief review by Darlington for Heredity of book on Soviet science by A. Buchholz.
- D.108 Correspondence and papers, 1956.  
Includes reports by G. Bonnier, A. Gustafsson of visits to Russia, and letter from A.J. Kupzow marked 'imp' by Darlington.
- D.109 'Science and State in the Soviet Union'  
Article commissioned by Central Office of Information for Overseas Press; editorial correspondence, draft and shortened version.
- D.110 Correspondence and papers, 1959-61.  
Includes A.J. Kupzow, H.J. Muller, Th. Dobzhansky.
- D.111 'The rise and fall of Trofim Lysenko'  
Article for New Scientist, 25, 1965.  
Includes editorial correspondence, ms. and typescript drafts, press-cuttings, brief correspondence arising.
- D.112 Obituary of A.R. Zhebrak, July 1965.
- D.113 Notes and draft for review of Z.A. Medvedev: The rise and fall of T.D. Lysenko, New Scientist, 43, 1969.

Research

- D.114 Correspondence, 1974-77.  
Includes specimens of Vavilov memorial stamps issued as part of his rehabilitation; on these the date of his death is given as 1943, not 1942 as had previously been supposed. Also includes Darlington's reply to J.M. Ziman re Soviet scientists.
- D.115 Obituary of Lysenko, Nature, 266, 1977. Ms. drafts and notes, editorial correspondence, copy of obituary as published.
- D.116 'The last days of Nikolai Vavilov'  
Article by Darlington, New Scientist, December 1978, arising from an article of this title by M. Popovsky (New Scientist, November 1978); in his article Darlington reproduces the letter from J.S. Alexandrowicz at D.88.  
Folder includes ms. drafts and notes, copies of articles as published, brief correspondence arising.
- D.117-D.122 Background material
- D.117 Reprints. Includes paper by N.I. Vavilov, 1927, printed and duplicated material on Lysenkoism, 1933-49 and n.d.
- D.118 Reprints, reviews, duplicated papers on Lysenkoism and Soviet genetics, 1950-71.
- D.119 'Press comment on Lysenko and Haldane, Bernal et al. 1946-49' (Darlington's own description of folder of press-cuttings).
- D.120 Press-cuttings, 1948-67
- D.121 Press-cuttings, mainly on death of Lysenko, 1976.
- D.122 Publications, brochures, pamphlets, on Soviet science, Anglo-Soviet relations, Marxism in science, etc.  
1 box.



Research

- D.123                    INCEST  
Notes, correspondence, 1963, 1967.
- D.124-D.128           INDIA
- D.124                    Extensive ms. notes and re-workings, including notes on the literature, probably for chapter or paper on 'Caste in India' for which 1p. list of contents is provided. Various paginations and sequences as kept by Darlington.
- D.125, D.126           Ms. notes and ideas on aspects of India.  
2 folders. D.125 contains some notes with various dates in 1970s.
- D.127                    Correspondence on India.  
1941, on Eurasians (letter originally sent to E.W. Macfarlane).  
1961, with F. Barth, on marriage patterns in Swat.
- D.128                    Darlington's folder of annotated press-cuttings on India.

D.129-D.143           INTELLIGENCE

Notes, correspondence, background material. The distinction between 'Intelligence' and 'IQ and Race' is far from clear though it can usually be substantiated by designations given to the material itself. The items grouped under 'Intelligence' deal with attempts to define and measure the concept of intelligence, genetic variables and environmental factors; a substantial proportion (D.129-D.134) is on the work of Cyril Burt, a leading figure in the promotion of intelligence testing whose data were subsequently discredited.

Material relating to Cyril Burt

- D.129                    Papers and articles by Burt, 1952-71, with annotations and comments by Darlington; also includes his diagrams on 'Race, Class and Culture' using Burt's 1952 paper 'Intelligence and Fertility'.
- D.130                    Darlington's notes on later doubts about Burt's data, some dated 1978, 1979.

Research

- D.131-D.133 Correspondence re Burt.
- D.131 Banks, C. (a colleague of Burt), 1976-80  
Includes drafts for letters to the press, and a few related press-cuttings.
- D.132 Davidson, D. 1978, 1979  
Kamin, L.J. 1974  
Lasky, M.J. 1976  
Requesting an article on Burt for Encounter.
- D.133 Martin, N. 1974  
Roberts, J.A.F. 1974, 1976  
Includes copy of letter to The Times in defence of Burt
- D.134 Press-cuttings and articles on Burt. Includes Darlington's letter to The Times as a contribution to press discussion of Burt, November 1976 and letters requesting copies.

Darlington's ms. notes and drafts

Some intended for papers and books or revisions of books, some shorter notes on reading, for discussion, etc.

- D.135 Mainly 1960s.
- D.136 1970s and n.d.

Correspondence (most annotated)

- D.137 A - F  
Includes correspondence from J.R. Baker arranging a meeting with Jensen and Darlington, 1974. See C.11 for Darlington's notes on the meeting.
- D.138 G - H  
Includes letters to D.C. Gajdusek and others on brain size variation.
- D.139 Jensen, A.R. 1972
- D.140 K - V

Research

Background material

- D.141 Reprints and printed matter on intelligence, all annotated by Darlington.
- D.142 Papers on intelligence by J.A. Fraser Roberts, 1938-45.
- D.143 Annotated press-cuttings.

D.144-D.152 IQ AND RACE

This material, though closely linked to the 'nature-nurture' factors in 'Intelligence', usually has specific designation, e.g. 'Race and IQ' by Darlington himself. Some of the documents are related to two major conferences which Darlington attended, at the Maudsley Hospital (1970), and at the University of Miami (1971). See also H.136, H.137, H.140-H.143. Much of the correspondence and background material is from American colleagues or on American racial problems.

Darlington's notes and drafts

- D.144 Miscellaneous material, mainly dated 1972-74.

Correspondence (most annotated)

- D.145 Osborne, R.T. 1978-80  
Includes copy of a letter to Osborne, 1971, from R.B. Cattell.
- D.146 Page, E.B. and others 1971-73  
Mainly arising from the 'Resolution on scientific freedom regarding human behaviour and heredity' (signed by 50 distinguished scientists, among them Darlington) which Page circulated after its publication in American Psychologist, 27, 1972). Includes correspondence and papers both attacking and defending the 'Resolution'. The 'Society for the Psychological Study of Social Issues' (SPSSI) set up a 'Commission' to investigate the matter and called for further information (some included in the folder). Also included is a survey of the 'Affirmative Action Program' at the University of Pittsburg. See also J.117.



Research

- |       |  |            |
|-------|--|------------|
| D.147 | Provine, W.B.  | 1971       |
|       | Bateson's views on race.   |            |
|       | Seagrim, G.N.  | 1968       |
|       | Slater, E.   | 1961, 1968 |
| D.148 | Swan, D.A.   | 1973-80    |
|       | Mainly re publications of International Association for the Advancement of Ethology and Eugenics, Inc. (Darlington was a member of the Executive Committee.) |            |

Background material

- |       |   |
|-------|---|
| D.149 | Darlington's folder of 'Cuttings IQ & Race'.                            |
| D.150 | Reprints on race and heredity by R.T. Osborne, annotated by Darlington. |
| D.151 | Printed matter and data on racial integration in America.               |
| D.152 | Reprints (some annotated) on race and I.Q.                              |

D.153-D.181 SOCIAL GENETICS

This very large category represents several topics separately designated on Darlington's folders, bundles of notes or at the head of correspondence. The topics are presented in alphabetical order, for convenience only.

Assortative mating

- |       |   |      |
|-------|---|------|
| D.153 | Darlington's notes, ideas, references, n.d. |      |
| D.154 | Correspondence :                            |      |
|       | Elston, R.N.                                | 1964 |
|       | Roberts, D.F.                               | 1960 |
| D.155 | Annotated reprints on assortative mating.   |      |

Research

Crime, etc.

The full title of Darlington's box containing the material was 'Crime / Drugs / Opium / Cannabis / Cocaine'.

- D.156            'Crime    Own Notes'  
Darlington's folder of notes, comments and narratives, a few with dates in 1970s, some probably earlier.
- D.157            'Chromosomes and Crime'  
Notes, diagrams, ideas, correspondence from colleagues forwarding information, 1967, 1971.
- D.158            'Crime'  
Press-cuttings, 1962-74, annotated.
- D.159            'American Crime    Black Power    Drugs'  
Press-cuttings, 1963-73, annotated.
- D.160            'Mafia   Thugs'  
Press-cuttings, 1962-72, annotated.
- D.161            Chromosomes and crime, press-cuttings and reprints, 1966-73, and n.d., annotated
- D.162            Reprints on Crime, 1945-67.

Culture, etc.

The full title of Darlington's folders was 'Culture and migration and invention'.

- D.163            Darlington's notes, ideas and narratives.
- D.164            Reprints and press-cuttings, most annotated.

Mental deficiency

Correspondence and data on the deaths of mental defectives, and especially of mongols, 1963.

- D.165            Correspondence requesting or forwarding data.
- D.166            Data, diagrams, notes.

Research

Modern societies

Contents of a box of material so inscribed.

- D.167            'UK modern'  
Notes, ideas, annotated press-cuttings.
- D.168            'History and Sociology UK'  
Annotated press-cuttings.
- D.169            'Russia'  
Notes, ideas, annotated press-cuttings.
- D.170            'Geog. of notables'  
Notes.
- D.171            Notes, annotated press-cuttings, mainly on structure of society,  
professional groups, classes, history.

Pedigrees

- D.172            Notes, ideas, diagrams of family trees, mainly 1970s.

Population

- D.173            Notes, annotated reprints.

Primitive mind

- D.174            Notes, ideas, annotated press-cuttings, mainly 1960s.

Reflexes and instincts

- D.175            Notes, narratives, ideas, mostly 1970s, and mainly on work of  
Sherrington, Tinbergen and Lorenz.

Miscellaneous

- D.176            'General and unclassified details'  
Extensive folder of miscellaneous ms. notes on a variety of topics.
- D.177            Miscellaneous notes, ideas, annotated press-cuttings, many on Adam  
Smith, Marx, Malthus, 1977-78.



Research

- D.178                      Miscellaneous notes, ideas, annotated press-cuttings on crime, population and other topics, 1977-78.
- D.179                      Shorter ms. notes.
- D.180                      Miscellaneous annotated press-cuttings, 1979-81.
- D.181                      Annotated reprints.

D.182-D.206              NOTES ON READING

This box of material consists of papers (notes, quotations, references, ideas) found inside books in Darlington's study at home. They were extracted by P.D.A. Harvey, Darlington's stepson and executor, who has added to each the name of the author, title and, usually, date of printing. Professor Harvey points out in his explanatory note (included in D.182) that some of the papers were used as bookmarks only; even so, most appear to be related to the book in question either directly or by reminiscence of similar ideas. The papers, which are very numerous, are some measure of the extent of Darlington's reading, bearing in mind that they relate only to his personal library and do not include the wide range of books reviewed for Heredity or the annotated scientific papers found widely elsewhere in the collection. The material is arranged chronologically by date of printing, not necessarily of original publication, nor date of reading.

Research

D.182 19th Century and earlier.

Included here is note, 29 March 1982, from P.D.A. Harvey explaining the provenance of the material.

|       |         |       |         |
|-------|---------|-------|---------|
| D.183 | 1900-19 | D.194 | 1968    |
| D.184 | 1920-29 | D.195 | 1969    |
| D.185 | 1930-39 | D.196 | 1970    |
| D.186 | 1940-49 | D.197 | 1971    |
| D.187 | 1950-51 | D.198 | 1972    |
| D.188 | 1953-59 | D.199 | 1973    |
| D.189 | 1960    | D.200 | 1974    |
| D.190 | 1961    | D.201 | 1975    |
| D.191 | 1962-63 | D.202 | 1976    |
| D.192 | 1964-65 | D.203 | 1977    |
| D.193 | 1966-67 | D.204 | 1978-80 |

D.205 Notes on books with titles only, no date of publication.

D.206 Shorter correspondence re books, removed from books in Darlington's study and identified by P.D.A. Harvey.



SECTION E                      PUBLICATIONS E.1 - E.710

INTRODUCTION TO SECTION E

|             |  |
|-------------|--|
| E.1 -E.653  | PUBLICATIONS AND DRAFTS                |
| E.654-E.675 | MISCELLANEOUS AND UNPUBLISHED MATERIAL |
| E.676-E.710 | EDITORIAL CORRESPONDENCE AND MATERIAL  |

In his Memoir for the Royal Society (Biographical Memoirs of Fellows of the Royal Society, 29, 1983), D. Lewis writes of Darlington that 'in his view work that is not published is work not done'. The truth of this is amply demonstrated by the amount of material in the Section, which considerably exceeds the tally in the Bibliographies which Darlington himself issued periodically, the last version being that printed in the Memoir (pp.149-157). In particular, the number of book reviews is remarkable, not so much in the early years but increasingly from 1947 when Darlington was Reviews Editor for Heredity as well as accepting many commissions from other journals; several editors thank him for his diligence in meeting deadlines, though authors of the books he reviewed were not always so pleased by his assessments of their work.

Darlington's published bibliographies sectionalise his writings by subject (Chromosomes; Genetics and biology; History and biography; Education and politics; Man) and by format (Books). This system presented problems even to its originator; some papers appear under more than one heading; others, of similar content, are dispersed between several headings for no apparent reason; others again reflect Darlington's own spirit of mischief, e.g. Problems of the English apple assigned to the rubric 'Education and politics'. A chronological sequence has been aimed at here. Entries may include, as well as drafts, related editorial correspondence, reviews, translation rights, letters from colleagues and members of the general reading public: the latter especially in the case of Darlington's major books on evolution, human and social genetics. The gestation of two of these (The evolution of man and society 1969 and The little universe of man 1978) can be followed through Darlington's successive drafts, his incorporation (or rejection) of suggestions by others, and the considerable amount of 'background material' which is interesting both for the type of source and evidence drawn upon and for Darlington's marginalia, underscoring and appended notes or comments.



### Publications

The published work shows Darlington as a stylist of distinctive lucidity and fluency, and, in his more polemic writing, of great persuasiveness. The careful drafts and re-workings show that these qualities were achieved by time and patience. Perhaps because of the care he lavished on his drafts, Darlington resented intensely any further editorial emendations made without his consent, and was given to describing manuscripts subjected to such treatment as 'censored' or 'emasculated'. There are several examples of this in the Section. Similar insight into Darlington's masterly editorial gifts is provided by his work for Heredity; see especially G.41.

The 'publications and drafts' at E.1-E.653 cover the whole span of Darlington's career 1923-81; even so, there remains substantial material for work planned, unpublished or not fully written up but kept in folders with descriptive titles similar to the research folders in Section D. See the note on unpublished book A diagram of evolution in the General Introduction.

For papers and writings additional to those listed in Bibliography see

E.3; E.6; E.26; E.62; E.68; E.71; E.73; E.80; E.81; E.83; E.102;  
E.104; E.107; E.118; E.119; E.127; E.128; E.130; E.154; E.182; E.186; E.187;  
E.188; E.193; E.199; E.200; E.201; E.217; E.218; E.219; E.247; E.250; E.251, E.252  
E.254; E.255; E.257; E.259; E.265; E.267; E.277; E.280; E.293; E.314; E.325;  
E.334; E.337; E.339; E.343; E.345; E.347; E.354; E.384; E.385; E.386; E.387;  
E.394; E.505; E.515; E.649

For unpublished material (not submitted or not accepted), see

E.1; E.59; E.100; E.131; E.167; E.176-E.178; E.225-E.246; E.264; E.349;  
E.353; E.397; E.504; E.515; E.516, E.517; E.652

Publications

E.1-E.653 PUBLICATIONS AND DRAFTS

- E.1 Article on the economics of farming subsidies, submitted to The Agricultural Gazette, 4 December 1923. Not published.  
The material and covering letter are sent from Darlington's home address at Ealing, as he had not then begun work at the John Innes.
- E.2 'Chromosome Studies in the Scilleae'  
Draft, references, original drawings for article in J. Genet., 16, 1926. This is the first article listed in the Bibliography and was submitted by Bateson. Some of the ms. corrections are by him, as is the description of Darlington as 'Minor Student, The John Innes Horticultural Institution'.
- E.3 2pp. draft of letter to Nature, on meiosis in triploid tulip, signed by Darlington and Newton, 1927. Not same as E.5 and not in Bibliography.
- E.4 'The behaviour of polyploids'  
Ms. (13 January 1927) and heavily-corrected reprint of article (Nature, 119).
- E.5 'Meiosis in a triploid tulip'  
Two copies of reprint (Nature, 120) by Darlington and Newton, each with different ms. notes, one, with reflection on mistaken assumptions in article, dated 1929.
- E.6 'Problems of bolting'. Article in The Gardeners' Chronicle, 28 May 1927. Not in Bibliography.
- E.7 'Reversion in black currants', J. Pomol., 6, 1927. Reprint only.
- E.8 Drawings, ms. draft (incomplete) for work on 'Prunus I', 1927. Includes reviews and press comment on prunus studies.
- E.9 'Ring formation in Oenothera'  
22pp. ms. draft and heavily-corrected proof of article in J. Genet., 20, 1929.
- E.10 'Polyploids and polyploidy'  
Notebook used for ms. drafts (January 1929), drawings, typescript and ms. draft for article in Nature, 124. Includes letter from O. Renner.

Publications

- E.11 'Meiosis in Polyploids. I Triploid and polyploid tulips'  
Ms. and typescript draft for article in J.Genet., 21, 1929: a posthumous collaborative paper with W.C.F. Newton (see J.167-J.170 and E.14).
- E.12 'Tradescantia'  
Hard-cover notebook used for ms. drafts and observations (a few dated 1928), with list of contents as loose page, for work later published as 'Chromosome behaviour and structural hybridity in the Tradescantiae', J.Genet., 21, 1929.
- E.13 'Book January 1929'  
Hard-cover notebook (many pages torn out) used for ms. drafts (some 1931, 1932); includes list for course of lectures on chromosomes, note on Darwinism, etc.
- E.14 'Fritillaria meleagris ...'  
Ms. and typescript draft for article in J.Genet., 22, 1930: a posthumous collaborative paper with W.C.F. Newton. Includes some ms. notes, perhaps added later.
- E.15-E.17 Letters to Nature, 1930, all in Nature, 125.
- E.15 'Structural variation ... Campanula persicifolia' (January 1930). Includes correspondence with editor on merits of 'microphotograph' and 'photomicrograph' as descriptive terms.
- E.16 '... Drosophila melanogaster' (March 1930). Proof with ms. corrections.
- E.17 'Telosynapsis ... in Oenothera?' (May 1930)  
Ms. and typescript draft, proof of reply by R.R. Gates sent by editor and heavily annotated by Darlington, and ensuing correspondence on right of reply.
- E.18 'A cytological demonstration of ... "crossing-over"'  
Ms. drafts for paper published in Proc.R.Soc., 107, 1930, after a demonstration meeting at the Society in November.
- E.19 Correspondence with M.M. Rhoades, on crossing-over, arising from Darlington's paper on Meiosis in Primula sinensis, J.Genet., 24, 1931.
- E.20 'Meiosis (precocity theory)'  
Two heavily-corrected drafts for article in Biol.Rev., 6, 1931.



Publications

- E.21 'Cytological theory in relation to heredity'  
Note on Darlington's Royal Institution lectures, published in Nature, 127, 1931. With a little correspondence from R.A. Gregory.  
See also F.1.
- E.22 'The mechanism of crossing-over'. Letter in Science, N.Y., 73, 1931.  
Reprint only.
- E.23 Obituary notice of Karl Bělář, Nature, 128, 1931. Typescript draft.
- E.24 'Ring-formation in ... Campanula persicifolia'  
Collaborative article published in Genetica, 13, 1931. Proof; title page and corrected pages only.
- E.25 Walker : Evolution and heredity (review)  
Typescript draft, n.d. Latest reference 1931 but perhaps written later.
- E.26 'Theories of crossing-over'  
6pp. typescript draft (incomplete) with a ms. note 'Science on Sax'; n.d., but perhaps 1931-32 and a fuller statement of the short note at E.22. No work of this title is listed in the Bibliography.
- E.27 'Origin and behaviour of chiasmata III'  
Short ms. draft only, for collaborative article in Cytologia, 4, 1932.
- E.28 'The control of the chromosomes by the genotype'  
31pp. ms. draft and copy of article in Am.Nat., 66, 1932 (wrongly given as Vol. 96 in Bibliography).
- E.29 'Chromatid segregation in ... Rubus', Nature, 129. Reprint only.
- E.30 'The John Innes Horticultural Institution', Collect.Net., 7, July 1932.  
Reprint only.

Publications

E.31-E.37      Chromosomes and Plant Breeding

Darlington's first book, published by Macmillan, 1932, based on a series of articles published in The Gardeners' Chronicle in 1931.

- E.31      Hard-cover notebook, labelled 'G.C.' [Gardeners' Chronicle] on cover, and inside 'The Bearing of Chromosome Studies on Plant Breeding'. Pages numbered 1-69 and 70-81 with drafts, various contents lists, etc.
- E.32      Ms. and heavily-corrected typescript draft for book; corrected draft for preface (or foreword) by A.D. Hall.
- E.33      Correspondence with Editor, The Gardeners' Chronicle, 1930-32 re original series of articles, and with Macmillan re arrangements for publication in book form.
- E.34      Replies from colleagues agreeing permission to quote, reproduce figures, etc., some with scientific or personal news, 1932.
- E.35      Requests for information and references, several referring to first use of technical terms 'diploid', 'triploid', etc., 1932.
- E.36      Letters from colleagues arising from matters in published book, 1932.
- E.37      Reviews of book.

E.38-E.45      Recent advances in Cytology (RAC), 1932

This book made Darlington's name internationally when published in 1932, and remained a standard text for many years. A second edition appeared in 1937 and Darlington was pressed by his publisher (Churchill) from 1943 to prepare a third and revised edition. His own view was that the original publication was in certain respects irreplaceable and he contemplated re-issuing it at his own expense; eventually it was reprinted by Churchill with a second part covering 1937-64, and appeared in 1965 as Cytology (see E.389).

- E.38      Hard-cover notebook inscribed 'Popular Cytology. Notes for Lecture or Manual' and 'Basis of R.A.C. 1932'. See also D.22.
- E.39      Draft preface for book, 1931-32.
- Copies of flysheets for editions of 1932, 1937, 1965.

Publications

- E.40 Preface to the Russian edition of book.  
Two typescript and ms. versions, 1934 (6pp.), 1935 (12pp.).  
Included here is letter from G.D. Karpechenko, 1935.
- E.41 Correspondence re permission to quote from book, mainly 1935, one letter 1945.

Correspondence with J. & A. Churchill

- E.42 1930-35  
Invitation to write book, arrangements for first and second editions, in Britain and America.
- E.43 1943-61  
Mainly re third revised edition, reprints (1945, 1948) of second edition, and proposed new book 'Introduction to Cytology' which Darlington was unable to finish (letter of March 1961).
- E.44 1961-65  
Proposal to reprint Recent Advances ... with additions.
- E.45 Reviews of book, 1932-33, 1937-38, 1965.
- E.46 'Studies in Prunus IV (a correction)'. J.Genet., 28, 1933. Reprint only.
- E.47 'The study of the plant cell in biology', review for Nature, 132, 1933.  
Typescript draft with 1p. 'criticisms' by another (? A.D. Hall) suggesting modifications.
- E.48 'Mechanical aspects of nuclear division', abstract of lecture, published in Scient.Jl.R.Coll.Sci., 4, 1934.  
Reprint only.
- E.49 Correspondence, 1933-34, re Darlington's paper on Drosophila, Genetics, 19, 1934.
- E.50 'The sex chromosomes of the rat'  
18pp. ms. draft for collaborative article with P.C. Koller, J.Genet., 29, 1934.



Publications

- E.51 'Possibility of incomplete sex-linkage', collaborative note in Nature, 133, 1934 (discussing paper at E.50).
- E.52 'Determination of sex'  
Correspondence, ms. draft, modified version as published in Nature, 133, 1934.
- E.53 'Chromosome mechanics', address given at Leningrad, September 1934.  
See H.51.  
Reprint only.
- E.54 Ms. and typescript notes and drafts for review for New Phytologist, with editorial correspondence suggesting modification, 1934.
- E.55 Russian translation (by S. Gershenson) of 'Time, place and action of crossing-over', article first published in J.Genet., 31, 1935.
- E.56 'Crossing-over and ... chromosomes', address at Botanical Congress at Amsterdam, 1935. See H.52.  
Ms. and typescript draft.
- E.57 'Crossing-over and chromosome disjunction', Nature, 136, 1935.  
Correspondence and reprint.
- E.58 Shorter communication and reviews, published in Nature, 1935. Drafts and reprints.
- E.59 'Unpublished Book 1935'  
42pp. ms. and typescript draft, with a ms. note 'E.G.S. II'; perhaps related to work on The Evolution of Genetic Systems. See E.86-E.97.
- E.60 'The internal mechanics of the chromosomes', three-part paper published in Proc.R.Soc., 118, 1935.  
Editorial correspondence, especially exchanges over term 'fixation' challenged by editor and fiercely defended by Darlington.
- E.61 'The external mechanics of the chromosomes', five-part paper published in Proc.R.Soc., 121, 1936.  
Editorial correspondence, mainly re referee's comments on wording of reference to work by R.R. Gates. Darlington's bibliography has a note on this paper '(Unedited typescript is in custody of R.S.)'

Publications

- E.62-E.64      Shorter papers, Nature, 1936.
- E.62            'Crossing-over in male *Drosophila*', 1p. with ms. heading '30 Jan 1936 Nature'. Not in Bibliography.
- E.63            'Projection method for ... chromosomes', Nature, 138. Reprint only.
- E.64            'External forces acting on chromosomes', Nature, 138. Draft and reprint.
- E.65, E.66      'Genetics in the universities', Nature, 138, 1936.
- This was a 'letter' drafted by Darlington and circulated for support among colleagues. Those who signed the published version were Ashby, Crew, Darlington, Ford, Haldane, Salisbury, Turrill and Waddington.
- E.65            Ms. and typescript drafts, version as sent, editorial correspondence.
- E.66            Correspondence with colleagues, some agreeing and some declining to sign letter.
- E.67            'Theory of evolution'. Collaborative letter to The Times, October 1936. Draft, press-cutting.
- E.68            Review for New Phytologist, 1937. Drafts, reprint. Not in Bibliography.
- E.69, E.70      Publications on hybrids, 1937.
- E.69            'The early hybridisers ...', Herbertia, 4. Invitation to contribute, copy of published article.
- E.70            'What is a hybrid?', J.Hered., 28. Correspondence, reprint.
- E.71-E.73      Publications on Russian genetics, 1937.
- E.71            Note on Lenin Academy of Agricultural Sciences meeting in Moscow, December 1936 (Vavilov, Lysenko, etc.), intended for publication in Nature. Two versions, one headed '1937 Nature', the other 'Nature (anon) 1938'.

Publications

- E.72 'Genetic theory and practice in the U.S.S.R.', Nature, 139  
(arising from above).  
Correspondence, draft, reprint (re-worded).
- E.73 Note on Vavilov, Nature, 139.  
Draft. Not in Bibliography.
- E.74 Correspondence, 1937, re collaborative papers on Campanula  
(J.Genet., 35) and Festuca-Lolium (Ann.Bot., 1).
- E.75 'Biology of crossing-over', Nature, 140, 1937.  
Corrected typescript.
- E.76 'Interaction between cell nucleus and cytoplasm', Nature, 140, 1937.  
Typescript and ms. draft, correspondence.
- E.77 'The mechanism of crossing-over'  
Note prepared for British Association, 1937 and Indian Science  
Congress, January 1938.
- E.78 'Structure of chromosomes', Nature, 141, 1938.  
Darlington's note in reply to 'provocative' letter to Nature by R.R. Gates.  
Folder includes ms. drafts sent from India, modified draft by A.D. Hall,  
etc., and printed copies of article and of Gates's further replies.
- E.79 Correspondence re 'Differential reactivity of the chromosomes',  
Ann.Bot., 2, 1938.
- E.80 'Genetic isolation'  
Typescript and ms. note with ms. heading 'B.A. 1938'.
- E.81 Carbon of letter to The Statesman, January 1939 (on Shaw and Haldane).
- E.82 'The dead language of science', Nature, 143, 1939.  
Draft, printed version (considerably expanded).
- E.83 'Polyploidy and reproduction in Ranunculus'  
Note published in Nature, 1939, arising from note by C.R. Metcalfe.  
Not in Bibliography. Folder includes notes, drafts and a draft of a  
reply by Metcalfe (annotated by Darlington).
- E.84 'The boundary of life' (on viruses).  
3pp. note, n.d., latest reference 1938.
- E.85 Reviews (2), 1939.



Publications

E.86-E.97      The evolution of genetic systems

The book was first published by Cambridge University Press in 1938; a German version appeared in the same year and a Spanish translation in 1948. The second edition was published in 1958 by Oliver and Boyd.

See also E.59.

- E.86              Hard-cover notebook, inscribed on cover 'E.G.S. Dec.1937-Mar.1938', and inside 'Written 28.XI - 16.XII.37 London to Bombay'.  
Ms. draft of book, paginated 1-64 recto and 65-123 verso.
- E.87              Loose pages of additions, originally tucked into E.86.
- E.88              'Notes for E.G.S.', some probably 1930s headed 'put off to another book', others for 2nd edition dated 1957.
- E.89              Reviews of book, 1939. Includes a little correspondence.

Correspondence with editors and publishers

- E.90              Correspondence with C.H. Waddington, 1936-46, re original commissioning, translation rights, second impression, etc.; some scientific correspondence.
- E.91              1936-38. Comment on book; German translation.
- E.92              1938-44. With C.U.P. and Spanish translator. Includes Darlington's preface to Spanish edition.
- E.93              1946-52. With C.U.P. re reprint with extended bibliography (1946); includes letter, 1952, returning rights in book to Darlington.
- E.94              1956-58. With Oliver and Boyd, McGraw Hill, Basic Books, re 2nd revised edition. Includes preface for American edition.
- E.95              Miscellaneous revisions and additions for 1958 edition, specimen pages, blurb, etc.
- E.96              Reviews of book.
- E.97              Miscellaneous later correspondence on reprinting, microfilming of book, various dates, 1963-80.

Publications

- E.98                'The prime variables of meiosis', Biol.Rev., 15, 1940.  
Drafts, heavily-corrected proof (all variant texts).
- E.99                'Mind and matter', Nature, 146, 1940.  
Drafts, forwarding correspondence.
- N.B. For Darlington's contribution to Science in War (Penguin Books, 1940), see under 'Tots & Quots', G.106-G.110.
- E.100              Material re Kew Gardens, 1941-42.  
Darlington published an anonymous article on 'Kew Gardens' Future' in the Manchester Guardian in November 1941, which caused comment. One reply by Darlington was published in the newspaper in December 1941 and a second (January 1942) was not. The article was reprinted in Chronica bot., 7, 1942, and elicited further comment.  
Folder includes Darlington's 'Bibliography of Kew Controversy', drafts for article and replies (not all published), press-cuttings of correspondence arising, etc.
- E.101              'The relations between science and ethics', Nature, 148, 1941.  
Darlington's contribution to a series of letters; annotated proof.
- E.102              Draft letter to The Times, on G.B. Shaw's proposals for spelling reform, April 1941.
- E.103              'The cleavage in biology', Nature, 147, 1941.  
Drafts, reprint with editorial comment.
- E.104              'Science and politics', letter published in New Statesman and Nation, December 1941, and arising from Sir Henry Dale's Presidential Address to Royal Society.  
Drafts, press-cuttings preceding and following letter.
- E.105              'Chromosome chemistry and gene action', Nature, 149, 1942.  
Heavily-corrected reprint.
- E.106              'The substance of heredity'  
Ms. and typescript draft for article published in first volume of Endeavour, 1942.
- E.107              'Prometheus unbound'  
5pp. typescript draft, on history of science; with a ms. note 'Sent to Pauline 25 iii 42'. Not in Bibliography.

Publications

- E.108 'Temperature and 'sex-ratio' in Drosophila', Proc.natn. Acad.Sci. USA, 28, 1942.  
Ms. and typescript drafts with ms. notes 'excised by Dobzhansky' (collaborator).
- E.109 'Our cousins the apes', The Listener, 27, 1942.  
Text of a talk on BBC Home Service; listed in Bibliography as 'Darwin's origin of species'.  
See also F.71, F.72.
- E.110 'Polygenes and epicycles'  
Drafts and correspondence for letter published as 'The polygene concept' in Nature, 150, 1942.
- E.111 'The revolution in education', World Review, October 1942.  
Draft and reprint. Also included is earlier heavily-corrected draft titled 'Education and the world we live in', written 1941, used as basis for article.
- E.112 Reviews (2), for Nature, 1942.
- E.113-E.117 The handling of chromosomes  
A collaborative book with L.F. La Cour, first published by Allen and Unwin, 1942, with subsequent editions 2-5, 1947-69. Mainly correspondence with publisher. For material re 6th edition and Russian edition, see E.529, E.647.
- E.113 1939-42. Correspondence re first edition, beginning with invitation to write 'Encyclopaedia of Horticulture' (1939). Includes draft blurb, circulation list, letter of comment from D.G. Catcheside, etc.
- E.114 1944-59. Later editions, translations, permissions to quote, etc.
- E.115 1960-67. Includes a little correspondence with La Cour and other colleagues.
- E.116 1970-75
- E.117 Reviews of first edition, 1942.



Publications

- E.118            Note on 'Merton Thornless Blackberry' for Discovery, 1943.
- E.119            'British genetics since Darwin'  
4pp. draft dated '2.iii.43' and with a ms. note 'British Council for Russia'.
- E.120            'Race, class and mating in the evolution of man', Nature, 152, 1943.  
The paper was based on an address to the Association of Scientific Workers in July 1943, and a 'report' on it was also published in Discovery.  
Folder includes Darlington's notes, correspondence with colleagues, draft of version for Discovery, reprint of Nature article, etc.
- E.121            'Genetics and the evolution of the mating system in man'  
3pp. draft so titled, probably introduction to work by A.T.H. Jolly and F.G.G. Rose published as 'The place of the Australian aboriginal in the evolution of society', Ann.Eugen., 12, 1943.  
Includes correspondence.
- E.122            'Science and the radio'. Address at conference on 'Science and the citizen', Advmt.Sci., 2, 1943.  
16pp. heavily-corrected ms. draft, with a later (1945) letter annotated by Darlington 'Imp. Before Censoring'.
- E.123            'Forest tree breeding'  
Typescript note dated '21.1.44'.
- E.124            'Heredity, development and the nucleic acids'  
Heavily-corrected typescript draft for article published as 'Heredity, development and infection', Nature, 154, 1944. Also includes comments on published paper.
- E.125            'Paracrinkle virus and inheritance', Nature, 154, 1944. (Darlington's reply to comments on E.124).  
Ms. drafts.
- E.126            'Chromosome balance ... in Hyacinthus'  
Ms. draft for collaborative paper (with K. Mather) in J.Genet., 46, 1944.
- E.127            'The Royal Society'  
Ms. draft, with ms. note 'New Statesman ? 30.1.44'.

Publications

- E.128 'The unity and power of biology', 1945.  
8pp. typescript and ms. draft.
- E.129 'The chemical basis of heredity and development', Discovery, 6, 1945,  
shorter version Scientific Worker, 1, 1946.  
Reprint of both versions, correspondence.
- E.130 'Statement of Nazi Race Theory'  
1p. draft, prepared for 'Conference of the Allied ministers of education',  
with letter from J.S. Huxley, May 1945.
- E.131 Draft letter to The Times, on income tax, March 1945, with a ms. note  
'not accepted'.
- E.132 Reviews, 1943 (2), 1945 (2).
- E.133 Correspondence (only) re Darlington's contribution, on 'Lucretius and  
Darwin' to proposed Festschrift for Charles Singer, 1946. See E.194.
- E.134 'Nucleic acid ...', Nature, 157, 1946.  
Reprint only.
- E.135 'Postal communication with the U.S.S.R.', Nature, 158, 1946.  
Reprint only.
- E.136 'Nuclear biology'  
Draft for 'UNESCO Exhibit', dated '18.ix.46'
- E.137 'Nucleic acid and the chromosomes', Symp.Soc.Exp.Biol., 1, 1946.  
**Heavily**-corrected ms. and typescript draft for paper originally given  
at conference in Cambridge, July 1946, and in French translation at  
Palais de la Découverte, May 1947. Folder includes reprint of French  
version published 1950 and correspondence. See also H.74.

Publications

E.138-E.142      Chromosome atlas of cultivated plants

The book was first published in 1945, in collaboration with E.K. Janaki-Ammal, by Allen and Unwin. When the second edition was being prepared, the collaborator withdrew and a fresh contract was drawn up with Darlington. See E.268-E.271.

E.138              Notes and drafts for book, originally titled 'Chromosome numbers of cultivated plants'; perhaps begun in 1930s.

E.139              Correspondence with publisher, 1944-51, re Atlas and other books by Darlington.

Correspondence with colleagues

E.140              1943-46

E.141              1947

E.142              1949-76

E.143              'Wild and cultivated rice', Nature, 160, 1947.  
Draft and corrections.

E.144              'Chemical breakage of chromosomes', Heredity, 1, 1947.  
Draft for abstract only.

For publications on Soviet science from 1947, see D.76 et seq.

E.145-E.149      'The genetic component of language', Heredity, 1, 1947.

E.145              Ms. draft, with letter from R.A. Fisher recommending publication, 1947.

E.146              Heavily-corrected typescript. 39pp.

E.147              Shorter typescript version, 10pp.

E.148              'Blood and speech'. Darlington's contribution to British Association symposium on 'Human blood-groups', 1948, published 1949, using similar material.  
Abstract, reprint, press-cutting.

E.149              Correspondence, 1961 (from Robert Graves), 1969-77.



Publications

- E.150 'How I first saw the chromosomes. How I came to do research', contribution to Science Survey, 1948.  
Ms. and typescript drafts, 1946, 1948, brief editorial correspondence.
- E.151 Reviews (2), 1947. Includes correspondence.
- E.152 'Plasmagenes'  
27pp. very heavily-corrected ms. draft, probably for article 'The plasmagene theory of the origin of cancer', Br.J.Cancer, 2, 1948. See E.153 and E.191.
- E.153 'Cancer and the plasmagene theory'  
3pp. ms. and typescript draft headed 'Abstract for Paris Confce on "Unité"', dated April 1948 and with another ms. note 'This is what Lwoff picked up'.
- E.154 Note on H. Harris's paper 'On sex-limitation in human genetics', January 1948.
- E.155 'Groundnut breeding', Nature, 162, 1948.  
Reprint only.
- E.156 2pp. ms. note on appointment of K. Mather to Birmingham University, with a ms. note 'Nature'. n.d. [1948].
- E.157 Reviews, 1948 (3), 1949 (2).
- E.158-E.161 'The dead hand on discovery' (Discovery, 9, 10).  
An expanded version of BBC talk 'Facing the facts', given September 1948 and published in Discovery December 1948, January 1949, then as a separate 'Discovery reprint', and subsequently (1961) in Graduate Journal of Texas. See C.86, F.85-F.90.
- E.158 Extensive ms. notes and drafts. Includes early draft 'The planning of science for freedom' dated April 1946.
- E.159 Typescript and ms. 'Pages dropped from actual broadcast' and 'Unpub. notes on Philosophy of Conflict and Nicolle'. Includes 4pp. ms. draft on Nicolle's ideas.
- E.160 Corrected proof, copy of Discovery booklet, press comment.
- E.161 Correspondence re published articles, 1949-50.

Publications

E.162-E.164      The elements of genetics

Book by Darlington and K. Mather, first published 1949 by Allen and Unwin.

E.162      Darlington's ms. notes and drafts for book.

E.163      Reviews of book.

E.164      Correspondence, 1946-61, mainly with publishers re first edition, reprintings and second edition, but also with collaborator, other publishers, readers, etc.

E.165      'Threat of disease in tropical crops', Nature, 163, 1949.  
Draft.

E.166      'Genetic particles', Endeavour, 8, 1949.  
31pp. heavily-corrected ms. draft.

E.167      'What scientific method means to us'  
12pp. typescript draft for article commissioned by 'Daily Express University', but with ms. note 'unpublished'.

E.168      'Science resists dictation', New Leader, New York, 1949.  
Typescript and ms. drafts for article, originally titled 'Science needs freedom'. Includes brief correspondence.  
See also D.98.

E.169      'On an integrated species difference', Heredity, 3, 1949.  
Ms. and typescript draft.

Publications

- E.179-E.182      'The genetic understanding of race in man'
- Article commissioned by UNESCO for issue on race of International Social Science Bulletin, 2, 1950.
- E.179              Darlington's ms. draft.
- E.180              25pp. typescript and ms. draft, November 1950.
- E.181              Correspondence, 1950, commissioning article.
- UNESCO 'Statement on race', 1951, and Darlington's 6pp. comment.
- E.182              Correspondence arising from article and Darlington's reply to comments. Includes 4pp. draft 'The social sciences' published in answer to criticism in Int.Soc.Sci.Bull, 3, 1951.
- E.183              'Action of maleic hydrazide ...', Nature, 167, 1951.
- Drafts for collaborative paper.
- E.184              'Mendel and the determinants', contribution to Genetics in the 20th Century, 1951.
- Proof (only) of Darlington's chapter.
- E.185              'Blood groups and mating groups', Man, 51, 1951.
- Draft, press-cuttings.
- E.186              'Communism and science'
- 13pp. typescript draft for Darlington's contribution to collection of essays published as Why Communism must fail by Background Books. Includes editorial correspondence, 1951.
- E.187              'Old varieties of garden plants'
- Letter for Gardeners' Chronicle, May 1951, with a ms. note 'used as leading article'.
- E.188              'Guide for Seminars'
- 1p. note dated 24 September 1951.
- E.189              Reviews, 1951 (6)
- E.190              Reviews, 1951 (6)



Publications

- E.191 'The coming of heredity', The Listener, January 1952, and Discovery, 13, 1952.  
This was originally a talk on BBC Third Programme and published in The Listener; arrangements were made to republish in Discovery, but the version printed in May 1952 contained textual variations unauthorised by Darlington and he demanded an apology and a correction in the August issue.  
Folder includes correspondence, drafts for amendments, copies of published versions, letters to The Listener, etc.  
See also F.98.
- E.192 'Plasmagenes'  
Typescript and ms. draft, similar to E.152, E.153 but dated 1952 and with a ms. note 'Insert into "The Coming of Genetics" for BBC book'.
- E.193 'Evolution and heredity in plants'  
9pp. typescript and ms. draft for lecture at Paris colloquium and published in French, Anns.Biol.Paris, 28. Includes draft and revisions for French translation and reprint of published version.  
Brief note on John Innes Compost, Discovery, August 1952 is also included in folder.
- E.194 'Purpose and particles in the study of heredity', contribution to collection of essays in honour of Charles Singer published as Science, medicine and history, 1952.  
Draft, brief correspondence, 1950.  
For earlier correspondence on the project, see E.133.
- E.195 Reviews, 1952 (8).
- E.196 Reviews, 1952 (9).
- E.197 Correspondence arising from reviews, 1952.
- E.198 'Polyploidy in animals', Nature, 171, 1953.  
Includes reprint of article and drafts and correspondence arising, especially 'answer' by R. Matthey and draft reply.
- E.199 Note for Nature on H.J. Muller, May 1953.
- E.200 'Chromosomes and heredity 1928-1953'  
21pp. heavily-revised ms. draft, dated '13.viii.53'.

Publications

- E.201 'Heredity and environment'  
19pp. ms. draft, and later typescript versions all heavily revised, for paper to be given at International Congress of Genetics. Published in Proceedings, Caryologia, 6, 1954.
- E.202 Reviews, 1953 (4).
- E.203 Reviews, 1953 (3).
- E.204, E.205 Reviews with correspondence arising, 1953. Two folders.

E.206-E.216 The facts of life, 1953

This book, the first of several on human genetics and society, was published by Allen and Unwin in 1953; there was an American edition, and translations in Italian, Japanese, Danish, French and German. The second edition, in 1964, was titled Genetics and man (see E.380-E.383).

- E.206 Darlington's ms. notes and ideas.
- E.207 Correspondence with J.S. Huxley to whom Darlington had sent proof of book. Includes long letter of comment by Huxley. March 1953.
- E.208 Proof copy, with Huxley's comments.
- E.209-E.211 Reviews of book  
Three folders. E.211 includes reviews of German translation, a review re-drafted by Darlington and Darlington's own classification of the reviews as 'serious', 'pure Marx', etc.

Correspondence with publishers re publication, translations, reprintings, etc. Other works by Darlington are also referred to.

- E.212 1950-55
- E.213 1956. Includes correspondence with French and Japanese translators and Darlington's preface for the Japanese edition.
- E.214 1961-63. Includes arrangements for new edition as 'Genetics and Man'.

Letters from colleagues and readers

- E.215 1954-57
- E.216 1960-65



Publications

- E.217 'Communism'  
5pp. draft for article commissioned for Background Books. Includes editorial correspondence, April 1954, and a copy of the booklet, published as Why I oppose communism, 1956.
- E.218 Draft letter to The Observer on 'Theoretical Ancestors', June 1954.
- E.219 Draft letter to Daily Telegraph, on myxomatosis, July 1954.
- E.220 Obituary of A.F. Blakeslee, Nature, 174, 1954.  
Draft, proof and reprint with some deletions; Darlington's Bibliography lists this as 'edited'.
- E.221 Reviews, 1954 (6).
- E.222 Reviews, 1954 (7).
- E.223 Notes and drafts for review of Beale: The genetics of Paramecium, 1954 (published 1955).
- E.224 Detailed notes and drafts for review of White: Animal cytology and evolution, 1954 (published 1955).
- E.225-E.246 Extensive drafts for unpublished book, from a box inscribed 'Ms.Book / The Cell / 1954 / unpublished'. The working title is 'The Cell. An Introduction to Experimental Biology', but sometimes 'Experimental cytology' is used.
- E.225 4pp. draft contents list, heavily revised and corrected. This envisages 'Part I Structure' (Chapters 1-8), 'Part II Genetics' (Chapters 9-14), 'Part III Mechanics and Physiology' (Chapters 15-18). The various ms. and typescript drafts conform approximately to this plan, though Darlington gave the same title, 'Structural hybridity' to both Chapters 8 and 9.
- E.226 Introduction. 1. Cells, nuclei and chromosomes  
Ms. draft.  
Typescript and ms. draft.
- E.227 2. The activity of the chromosomes  
Ms. draft.  
Typescript and ms. draft, retitled 'The activity of the nuclei'.



Publications

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|--------------|---|
| E.228        | 3. Action and structure<br>Ms. draft.<br>Typescript and ms. draft, retitled 'Structure and movement'        |
| E.229        | 4. Meiosis<br>Ms. draft.<br>Typescript and ms. draft.   |
| E.230        | 5. Variation in meiosis<br>Ms. drafts (2).<br>Typescript and ms. draft.                                     |
| E.231        | 6. Polyploidy<br>Ms. draft.<br>Typescript and ms. draft.  |
| E.232, E.233 | 7. Chromosome Breakage<br>Ms. drafts (2).<br>Typescript draft.  |
| E.234-E.236  | 8. Structural hybridity<br>Ms. drafts (2), typescript draft.  |
| E.237-E.239  | 9. Structural hybridity<br>Ms. drafts (2), typescript draft.  |
| E.240        | 10. Hybrids, polyploids and haploids<br>Ms. draft.<br>Typescript draft.                                     |
| E.241        | 11. Hybrid species<br>Ms. drafts (2).   |
| E.242        | 14. The balance of chromosomes<br>Fragmentary ms. drafts.   |
| E.243        | 15. Cell and nuclear chemistry<br>Typescript and ms. drafts (2), 34pp. and 35pp., one dated 17 August 1957. |
| E.244        | 18. Pollen development<br>Ms. draft (incomplete).   |

Publications

- E.245 Ms. notes for diagrams.  
Ms. notes for references (Chapters 1-11).
- E.246 Miscellaneous ms. notes.
- E.247 2pp. comments on papers given at 'Inst. of Biology 1954-55'.
- E.248 'Chromosomes of monkeys and men', Nature, 175, 1955.  
Drafts for collaborative paper, first titled 'The chromosomes of primates'.
- E.249 'The genetic component of language', Nature, 175, 1955.  
Draft.
- E.250 'Note on genetical effects of radiation'  
1p. note dated 5 April 1955.
- E.251, E.252 'Memorandum submitted to the Committee on Homosexuality and Prostitution, April 1955' [the Wolfenden Committee], drafted by Darlington and signed by him, R.A. Fisher and J.S. Huxley.
- E.251 Ms. and typescript drafts, December 1954 (2), January 1955 (the latter with ms. comments by Huxley); final draft April 1955.
- E.252 Correspondence with co-signatories, and other colleagues and interested parties (Miriam Lane [Rothschild], Barbara Wootton).
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- E.253 'Government sponsored research in Britain'  
Article contributed to April 1955 issue of Science and Freedom.  
Includes draft, December 1954, originally titled 'Notes on the organisation of British research in biology'.
- E.254 Note on work of O. Renner, for Nature, 1955.
- E.255 'Note on Bertrand Russell's Resolution to the World Association of Parliamentarians for World Government', 3pp. draft dated June 1955.
- E.256 'Heterosis from the point of view of the chromosomes', Proc.R.Soc., 144, 1955. Darlington's contribution to a Royal Society Symposium.  
Draft, annotated copy.

Publications

- E.257 'Michurin (for *Isvestiya*): 24 October 1955'  
Ms. and typescript drafts.
- E.258 'The chromosome as a physico-chemical entity', Nature, 176, 1955.  
Heavily-corrected ms. draft dated September 1955.
- E.259 'The mitotic switch'  
Ms. and typescript drafts dated 1955, drawings and research material.
- E.260 Reviews, 1955 (4). Includes extensive ms. and typescript drafts for  
A. Keith: Darwin revalued (Eugen.Rev., 47).
- E.261 'Natural populations and the breakdown of classical genetics',  
Proc.R.Soc., 145, 1956.  
19pp. heavily-corrected ms. draft dated December 1955.
- E.262 Preface to E. Felsko: Wild Flowers, 1956.  
6pp. ms. draft dated January 1956.
- E.263 'Ecology and the breeding system'  
3pp. draft for J.Ecol. dated January 1956.
- E.264 'Fertility and the breeding system: the pedigree method'  
9pp. typescript draft, probably related to work on cousin marriage,  
dated June 1956, and with a ms. note 'unpub.'.
- E.265 Draft for contribution to account of Wageningen Chromosome Conference,  
for Nature, August 1956. Includes correspondence.
- E.266 'Botany in Oxford'  
6pp. draft, July 1956, and brief correspondence for article in School  
Science Review (published 1957).
- E.267 'Ribbon chromosomes in snail ...'  
Draft for brief note in Heredity, December 1956.



Publications

E.268-E.271      Chromosome atlas of flowering plants

This was the second edition of the 1945 Chromosome atlas (E.138-E.142) expanded to cover the whole of the flowering plants, published in collaboration with A.P. Wylie by Allen and Unwin, 1956. A 'companion volume', Chromosome botany, was published in the same year. See E.272-E.274.

E.268      Correspondence with collaborator, 1952-55; a few notes, blurb for books, etc.

E.269      Correspondence with colleagues, 1953-56.

E.270      Correspondence, 1965, 1967, 1970-71, with Directors and others at Kew re transfer of work on revision and publication of Atlas to Kew and assignment of copyright to the Bentham-Moxon Fund; also refers to Darlington's transfer to Kew of his reprint collection.

E.271      Correspondence with Allen and Unwin re book, translations, transfer of copyright to Kew, etc., various dates, 1956-76.

E.272-E.274      Chromosome botany

Book published in conjunction with Atlas, by Allen and Unwin, 1956. The second edition, 1963, was titled Chromosome botany and the origin of cultivated plants.

E.272      Correspondence with Allen and Unwin, 1956-73. Includes blurb, arrangements for revised edition, etc.

E.273      Reviews of book.

E.274      Correspondence with colleagues, 1956-57.

E.275      Reviews, 1956 (5).

E.276      Reviews, 1956 (4). Includes ms. and typescript drafts for two reviews of R.B. Goldschmidt: Theoretical genetics.

E.277      Note for Nature, on appointment of D. Lewis at London, February 1957. Ms. draft.

Publications

- E.278 'Freedom and responsibility in academic life', Bull.Atom.Soc., 13, 1957.  
Article based on speech at Paris Congress for Cultural Freedom  
(see H.89). Reprint only.
- E.279 'On being descended from a molecule' and 'Gene and virus'  
These were lectures V and VI of a series 'The chemical basis of life'  
broadcast on BBC Third Programme and printed in The Listener, March  
1957; Darlington revised the lectures with a view to possible publication  
in book form by John Murray. Folder includes revised draft, brief  
correspondence, copies of The Listener.  
See also F.103.
- E.280 'Chemistry and biology'  
11pp. draft for publication, dated June 1957, with ms. revisions in  
another hand.
- E.281 'Is biology teaching up to date', Discovery, 18, 1957. Reprint only.
- E.282 Reviews, 1957 (6).
- E.283 Heavily-corrected drafts for reviews of International Review of Cytology VI,  
and for Macfarlane Burnet: Heredity, development and infection.
- E.284 Ms. and typescript drafts, and comments by colleague, for review of  
J.S. Huxley: Transhumanism.

Publications

E.285-E.312      Cousin marriage: research and publications, 1958-61.

Darlington became interested in the comparative fertility of cousin marriage after reading Gwen Raverat's Period Piece, a study of the Darwin family. In a letter to the Oxford Magazine, January 1958 (E.285) he appealed to members of the University for family data on the subject; a similar appeal for information in Triangle (Sandoz journal of medical science) was noticed in The Observer and elicited a wide response. The main publication resulting from the data was 'Cousin marriage and the evolution of the breeding system in man', Heredity, 14, 1960, and there were several other shorter articles. Darlington used some of the data and information in The Evolution of Man and Society (E.402-E.492). The material is presented as follows:

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|-------------|---|
| E.285-E.288 | Correspondence  |
| E.289-E.294 | Publications and drafts   |
| E.295-E.312 | Data, much of it in the form of correspondence from volunteer subjects. |

Correspondence, 1958-61

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|-------|--|
| E.285 | Letters to <u>Oxford Magazine</u> , <u>Eugenics Review</u> , <u>Genealogists Magazine</u> , 1958.                                  |
| E.286 | Correspondence with <u>The Observer</u> , 1958. Includes press-cuttings, letters arising from Darlington's proposed research, etc. |
| E.287 | Correspondence from colleagues and others, 1958-59.  |
| E.288 | Similar material, 1960-61.   |

Publications and drafts, 1958-61

- |       |  |
|-------|--|
| E.289 | 'Cousin marriages', <u>Triangle</u> , 3, November 1958.<br>Reprint and forwarding correspondence only. |
| E.290 | 'Cousin marriage ... in man', <u>Heredity</u> , 14, 1960.<br>Extensive typescript and ms. draft.       |
| E.291 | Extensive ms. drafts.  |



Publications

- E.292 Ms. notes and drafts, including lists of 'Usable cousin correspondence'.
- E.293 'Marriage makes history', New Scient., 7, 1960.  
Reprint of article, and draft for follow-up letter 'Exogamy in man', arising from correspondence.  
  
'The Guinness Family'  
3pp. draft for article in Eugen.Rev., 52, 1960.
- E.294 Ms. drafts on 'Genetics of Marriage' and 'Cousin Marriage', some dated January 1961 and perhaps for lecture.

Data

- E.295-E.305 Correspondence, pedigrees, notes, data, mainly arising from Darlington's published appeals for information on cousin marriage, but some Darlington's own notes.  
11 folders, in alphabetical order.
- E.306 Similar material, mainly re medical data.
- E.307, E.308 Similar material, but marked 'incomplete', 'not used', etc.  
2 folders.
- E.309-E.312 Similar material, related to 'Double Test Marriage', i.e. individuals marrying once to a cousin and once to an unrelated person. Many of the documents have a note 'DTM' and Darlington's list of the subjects is enclosed at E.309.  
4 folders.
- E.313-E.322 The Darwin centenary, 1958-59: publications, correspondence, reviews.  
  
Darlington made several contributions to the centenary year of the Origin of Species, including lectures and broadcasts (see F.106, F.107-F.110). He also reviewed several of the publications of others on the occasion, and these are included at E.319-E.322.  
See also later writings at E.345.
- E.313 'Darwin and genetics', New Scient., 4, 1958.  
2 drafts, March (7pp.), May (11pp.).
- E.314 'The idea of evolution. Darwin and Lamarck', letter in Manchester Guardian, 26 June 1958.  
Drafts, correspondence, press-cuttings.

Publications

- E.315 Ms. notes and drafts on Darwin and his predecessors, Lamarck, etc.
- E.316 Correspondence with members of the Darwin and Lawrence families.
- E.317 Correspondence with colleagues.
- E.318 Darwin's place in history (Oxford: Blackwell, 1959).  
  
Drafts for blurb, reviews of book, brief correspondence. Includes draft letter to New Scient., 7, 1960, arising from book.
- E.319 Correspondence, biographical information, etc. re article 'The origin of Darwinism', Scient.Am., 200, 1959.  
  
Reviews of books on Darwin, 1958
- E.320 'The Darwin reader' ed. Bates and Humphrey, Discovery, 18.  
Books by Altenburg, Carter, Cannon, reviewed together for J.educ., 90, and Heredity.
- E.321 P.M. Sheppard: Natural selection and heredity. The Economist.
- E.322 Books by Barnett and de Beer, reviewed together for Heredity, 12.
- E.323 Reviews, 1958 (5). Includes correspondence.
- E.324 Reviews, 1958 (4).
- E.325 Copy of 'Genetic considerations in breeding two million cattle to two hundred sires' (privately printed booklet, 1959) including Darlington's contribution to the 'Replies'.
- E.326 'The evolution of chromosome systems'  
3pp. draft dated April 1959, perhaps for Proc.Acad.naz.Lincei, 47, 1960.
- E.327 'Evolution for schools', contribution to Science as a general study in the 6th form, 1960.  
Heavily-corrected ms. draft, and typescript version, dated August 1959.
- E.328 Reviews, 1959 (5).
- E.329 Reviews, 1959 (4), some with heavily-corrected drafts.

Publications

- E.330                      Reviews, 1959 (6).
- E.331                      Reviews, 1959, including correspondence and some printed copies.
- E.332                      Correspondence, brief drafts re contribution to symposium on arbovirus disease, January 1960. Includes published report on symposium, Nature, 185.
- E.333                      Note on work of O. Winge (for Public Orator, Oxford), March 1960.
- E.334                      'New blow to liberty in Spain', joint letter in The Guardian, March 1960. Press-cutting only.
- E.335, E.336              'The chromosomes and the theory of heredity', Royal Society Tercentenary Lecture, 1960. A version was published in Nature, 187, 1960, and reprinted in the Smithsonian Report for 1961.
- E.335                      Ms. and typescript drafts, and synopsis, April-May 1960. The lecture was originally called 'Genetics as the framework of biology'.  
Folder also includes reprint of version published in Nature, and request to reprint in Smithsonian Report.
- E.336                      Extensive ms. notes all headed 'RS 1960', one of them explaining change of title.
- E.337                      Contributions to symposium on cattle domestication, Royal Anthropological Institute, 1960.
- E.338                      Two letters to New Scientist, 'Marriage makes history' and 'Acquired characters', both dated June 1960.
- E.339                      Foreword to C. Postma: Plant marvels in miniature (Harrap, 1960).  
Drafts, brief editorial correspondence.
- E.340                      Reviews, 1960 (5).
- E.341                      Reviews, 1960 (6).
- E.342                      Reviews, 1960 (6); includes some printed copies.
- E.343                      Review of Archbishop of Canterbury's memorandum on artificial insemination by donor, Eug.Rev., 2, 1960.  
Several drafts, January-May.



Publications

- E.344            Review of P.B. Medawar: The future of man (The Reith Lectures),  
Heredity, 15, 1960.  
  
Several ms. and typescript drafts, various dates, August-November  
1960, including draft 'Ila' with ms. comments by E.B. Ford.  
  
Folder includes another review of book, by H. J. Muller, and copies  
of Medawar's replies to this, and to Darlington's (Heredity, 16, 1961).
- E.345            'The work of Charles Darwin', 1961.  
  
Article commissioned by Central Office of Information for publication  
in Eco delle Valli.  
  
Folder includes English draft, Italian translation, brief correspondence,  
press-cutting of article as published.
- E.346            'Instincts and morals', Rationalist Annual, 1961.  
  
Typescript draft for article, press-cutting of correspondence arising  
and ms. draft for a reply.
- E.347            'Experiments in a Genetic Garden'  
  
1p. note, March 1961.
- E.348            'Mr. Carr on the two cultures'  
  
Ms. draft for letter published in correspondence, 'What is History?',  
The Listener, 65, 1961.
- E.349            'Snow on science and politics'  
  
6pp. ms. and typescript draft for commissioned contribution to proposed  
publication in Bulletin of Committee on Science and Freedom, with a  
ms. heading 'Not published'. June 1961.
- E.350            'The unification of biology', New Scient., 13.  
  
Typescript and ms. draft dated December 1961 (published 1962).  
Includes copy of version reprinted in Mother Earth, April 1962.
- E.351            Introduction to Galton's Hereditary genius; proof only, dated November  
1961 (published 1962). See also E.683.
- E.352            Reviews, 1961 (10).
- E.353            'The chromosome basis of asymmetrical defects'  
  
2pp. note commenting on case referred by colleagues and intended for  
collaborative publication, January 1962. With a ms. note 'never  
published'.

Publications

- E.354 'A frightening experience'  
Ms. and typescript drafts for letter to Editor, Oxford Magazine, March 1962.
- E.355 'A dictionary of scientific biography'  
Ms. and typescript drafts recommending such a compilation, August 1962. See also G.97.
- E.356 Obituary notice of R.A. Fisher, Eugen.Rev., 54, 1962.  
Ms. drafts.
- E.357 'The common market'  
Ms. drafts for comment commissioned for Encounter (published 1963), October 1962-January 1963.
- E.358 Reviews, 1962 (5).
- E.359 Reviews, 1962 (3) and some printed copies.
- E.360 'Teaching biology', Nature, 199, 1963  
Drafts, correspondence and comments.
- E.361 'Psychology, genetics and the process of history', Br. J. Psychol., 54, 1963  
Drafts for article based on address to British Psychological Society, December 1962.
- E.362 Teaching genetics  
This collection of essays by twenty leading geneticists was edited by Darlington and A.D. Bradshaw and first published by Oliver and Boyd in 1963 (reprinted 1965). There was also an American edition. Darlington's own contribution to the volume was 'The genetic garden'.  
Folder includes correspondence, 1962-73, mainly with publishers but a little from colleagues.
- E.363 Reviews, 1963 (4).

Publications

- E. 364                      Drafts and notes for 'Fifty years of Drosophila', Nature, 197, 1963 (review of A.H. Sturtevant: Genetics and Evolution), and for 'Contending with evolution', Sci.Prog., 52, 1964 (combined essay-review of books by Huxley and Mayr).

E. 365-E. 379              'The genetics of society'

This was Darlington's contribution to 'A Symposium on Race: an interdisciplinary approach', ed. A.J. Gregor, Hawaii U.P., Honolulu, 1963. The copies here were privately printed and circulated by Darlington and are dated March 1963, and there were subsequent publications in Race and Modern Science, N.Y., 1967 and in Past and Present, 43, 1969.

In a ms. headnote to the ms. draft of 1962 (E.365) Darlington describes it as 'The first page of what became EMS [Evolution of man and society] in 1969'.

- E. 365                      Heavily-revised ms. draft, dated '22 Feb. 62'. Also included is (empty) note-book headed 'Genetics for Society', 1960.

- E. 366                      Two copies of privately printed version, March 1963, with revisions and notes for version in Past and Present, 1969.

E. 367-E. 371              Correspondence, principally with A.J. Gregor (Secretary) and D.A. Swan (Treasurer) re International Association for the Advancement of Ethnology and Eugenics (IAAEE), which sponsored publications such as the 'Symposium on Race', disseminated professional reprints (including several of Darlington's) and acted 'as a gad-fly to reopen discussion and stimulate critical thought in areas where critical thought is essential'. For views on Darlington's 'Control of Evolution in Man', assembled by IAAEE, see F.39.

- E. 367                      1961

- E. 368                      1962. Includes invitation to Darlington to join Executive Committee of IAAEE, arrangements for reprint of 'Control of Evolution in Man', etc.

- E. 369                      1963-64. Includes invitation to Darlington to become 'titular head' of IAAEE.

- E. 370                      1962-63. Correspondence with other members of IAAEE, mainly re Mankind Quarterly.

- E. 371                      1967-78, mainly with Swan re publications and reprints.



Publications

E.372-E.378      Correspondence re 'Genetics of society', mainly from colleagues receiving copies, a few with Darlington's replies and/or further discussion, 1963-64.

|       |       |       |   |
|-------|-------|-------|---|
| E.372 | A - C | E.375 | Huxley, J.S. (includes comments and discussion) |
| E.373 | D - G | E.376 | K - L   |
| E.374 | H     | E.377 | N - T   |
|       | E.378 |       | W - Z   |

E.379      Later correspondence, 1965, 1967

E.380-E.383      Genetics and man

This is the re-titled second and revised edition of The facts of life (1953, see E.206-E.216), published by Allen and Unwin 1964, as a Pelican paperback in 1966 and in an American edition in 1969. Darlington often refers to this as the 'introduction' to the ideas developed in Evolution of man and society (E.402 et seq.).

E.380      Unbound copy of The facts of life (1953), with extensive ms. revisions for new edition.

E.381      Correspondence with Allen and Unwin, 1963-64, mainly re Genetics and man, some re reprinting of Chromosome botany.

E.382      Correspondence re paperback edition, 1965-66. Includes blurb, two reviews, correspondence from readers.

E.383      Correspondence with American publisher, 1968. Mainly re Genetics and man (includes draft preface for American edition) but some re reprint of The elements of genetics.

Publications

- E.384 'Man and mankind', The Listener, February 1964.  
Letter arising from broadcast of same title.  
Drafts, related printed matter.
- E.385 1p. note on 'Human Trisonics', March 1964.
- E.386 3pp. note on work of Dobzhansky, perhaps for review, dated 1964.
- E.387 Draft obituary of O. Winge, prepared for The Times, April 1964.
- E.388 Reviews, 1964 (2) and some printed copies.
- E.389 Cytology  
Third edition of Recent Advances in Cytology, first published 1932 (see E.38-E.45), 1965.  
Ms. drafts for preface, dated May 1964.
- E.390 Foreword to Origins of Mendelism, by R.C. Olby.  
Draft, May 1965 (published 1966).
- E.391 Reviews, 1965 (2).
- E.392 Foreword to Biology and the social crisis, by J.K. Brierley (published 1967).  
Drafts, correspondence, 1966.
- E.393 Foreword to The plastids, by J. Kirk and R. Tilney-Bassett (published 1967).  
Drafts, notes, correspondence, 1966.
- E.394 Untitled 4pp. ms. note on analytic and synthetic approach in genetics and biochemistry.
- E.395 Reviews, 1966 (6).
- E.396 'What we do not know about chromosomes'  
1p. ms., August 1967, perhaps early note for Darlington's contribution to Chromosomes today, 2, 1969.

Publications

- E.397 Letter to The Times, on foot and mouth disease, December 1967.  
Not published.
- E.398 'The silent millenia'  
Draft, December 1967, for paper at research seminar, May 1968,  
published in The domestication and exploitation of plants and animals,  
1969. Includes correspondence.
- E.399 Reviews, 1967 (3).
- E.400 'The application and division of polynemic chromosomes'  
Typescript and ms. draft, 1968, for collaborative paper published in  
Heredity, 24, 1969. See also E.493.
- E.401 Reviews, 1968 (2, on Haldane).



Publications

E.402-E.492      The evolution of man and society (EMS), 1969

This massive book of over 700 pages, with 22 maps and diagrams, 44 charts and tables and 18 pedigrees, was the first of Darlington's major publications attempting a synoptic analysis of the genetics of man and society. An 'introduction' to his ideas had, he considered, been furnished by Genetics and man, and he envisaged two additional volumes of which only one, The little universe of man, was completed and published (1978, see E.535-E.646). The evolution of man and society had been in active preparation since 1962, originally under the title 'The evolution of society', though the origins of its ideas went back to Darlington's Persian expedition of 1929 and his discussions with colleagues of the 1930s.

The book was published by Allen and Unwin in 1969, with an American edition in 1970 and translations into most European languages and into Japanese. The correspondence with the publishers shows the care expended on what was clearly recognised as a major and highly-valued undertaking (see especially E.466). Publication was accompanied and followed by shorter articles, broadcasts and talks by Darlington and by substantial continuing correspondence from colleagues and from the general public.

Critical reception was extensive, and mixed, and Darlington made the classification and discussion of the reviews into a study in itself (see E.472, E.473, E.509, E.510).

The material is presented as follows:

|             |  |
|-------------|--|
| E.402-E.444 | Drafts                                     |
| E.445-E.459 | Notes and background material              |
| E.460-E.464 | Shorter articles and writings on EMS       |
| E.465-E.475 | Publications correspondence and reviews    |
| E.476-E.492 | Correspondence preceding and following EMS |

Publications

Drafts

E.402-E.438 Ms. and typescript drafts

37 folders as follows:

- E.402 Preface, Ch.1. 'Origin of Man' (originally 'Monkeys and Men'). Several versions, one marked 'Rejected'. Earliest dated page is February 1963.
- E.403 Ch.2. 'The Expanding Species'
- E.404 Ch.3. 'The Breeding System' (originally Ch.2 'The Sexual Revolution')
- E.405 Ch.4. 'The Coming of Agriculture'
- E.406 Ch.5. 'The First Cities' and 'The Making of an Empire'. Ms. drafts for section published as 'Babylonia'.
- E.407 Ch.6. 'The Egyptian Achievement' (published as 'Egypt')
- E.408 Ch.7. 'The Making of Europe'. Includes ms. of 'The Aryan Expansion' originally numbered '8' but published as part of Ch.7.
- E.409 Ch.8. 'The Greeks'
- E.410 Ch.9. 'Semites and Jews'
- E.411 Ch.11. 'Persia' (Ch.10 in published book)
- E.412 Ch.12. 'Macedon' (Ch.11 in published book)
- E.413 Ch.13. 'Rome' (Ch.12 in published book)
- E.414 Ch.13. 'Rome 2nd ed. Jan. 1966'
- E.415 Ch.13. 'Augustus and the Empire' (originally numbered 14)
- E.416 Ch.14. 'Xty' dated February, March 1966 (originally numbered 15)
- E.417 Ch.15'. 'Islam' dated June 1966 (originally numbered 16)
- E.418 Ch.16. 'Hinduism', 1967
- E.419 Ch.17. 'The Successors' (published as 'The Southern Successors')
- E.420 Ch.18. 'The Re-making of Europe' (published as Ch.19 'The Northern Intruders')
- E.421 Ch.19. 'The Manifold Pattern' (published as Ch.18 'The New Nations').

Publications

- E.422 Ch.20. 'The Jews Dispersed' (published as 'The Jewish Involvement')
- E.423 Ch.20. 'The Reformation and the Church' (published as Ch.21)
- E.424 Ch.21. 'The Reformation and Society' (published as Ch.22)
- E.425 Ch.22. 'The Age of Revolution' (published as Ch.23 'Revolution in the West')
- E.426 Ch.23. 'The Russian Revolution' (published as Ch.24 'Revolution in the East')
- E.427 Ch.24. 'America' (Ch.25 in published book)
- E.428 Ch.25. 'The Chinese World' (published as Ch.26 'China')
- E.429 'The Pacific World' (published as Ch.27 'Oceania')
- E.430 'The African World' (published as Ch.28 'Africa')
- E.431 Ch.26. 'Conclusion' (published as Ch.29 'Man and Society')
- E.432 'EMS Prefaces 1960-65'  
Miscellaneous ms. drafts under various titles, 'The Evolution of Society', 'Social Genetics of the Biological Interpretation of History', etc., and miscellaneous ideas for dedications 'to Man', 'to my parents', etc.
- E.433 Miscellaneous drafts, lists, etc. for acknowledgements, and of those to be sent copies.  
A few 'galley additions Aug.'68'.
- E.434 Ms. drafts and notes for tables, diagrams and charts.
- E.435 Ms. drafts, sketches and notes for maps.
- E.436 Proofs of maps, annotated by Darlington.
- E.437 Additional 'Maps not used in EMS'
- E.438 Ms. notes and drafts for diagrams.



Publications

E.439-E.444 Ms. and typescript drafts, from box inscribed '1967 EMS corrections removed from typescript'. Several sections have a headnote 'Scrapped' at various dates in 1967.

6 folders as follows:

|       |                     |       |           |
|-------|---------------------|-------|-----------|
| E.439 | Chs.1-2 and preface | E.442 | Chs.9-16  |
| E.440 | Chs.3-4             | E.443 | Chs.17-19 |
| E.441 | Chs.5-8             | E.444 | Chs.20-28 |

Notes and background material

These are Darlington's folders or assemblages of ms. notes and ideas, notes on books and articles read, annotated reprints, brochures, press-cuttings and some correspondence with colleagues or informants. The folders, extensive as they are, deal only with the work on 'Pedigrees' and 'Africa', of which the former sometimes draws on data assembled for 'cousin marriage' (see E.285-E.312) and the latter on Darlington's visit to South and East Africa in 1963 (see H.95-H.102).

Pedigrees. 9 folders as follows:

|       |   |
|-------|---|
| E.445 | 'Royal malady'  |
|       | 'Czech pedigree. Nova Scotia'. Includes correspondence.   |
| E.446 | 'Ped. Charlemagne'. Charts and tables.  |
| E.447 | 'Tables. Pedigrees'   |
| E.448 | 'Pedigrees. dup. and drafts'  |
| E.449 | Untitled folder of extensive notes and drafts for charts and tables   |
| E.450 | 'Royal' pedigrees 'Egyptian Asoka Saxon Carolingian Hapsburg'. Includes correspondence and also work on Normans.  |
| E.451 | Various notes, family trees and diagrams on pedigrees; Darlington's index is enclosed. Includes correspondence and a little printed matter.                         |
| E.452 | 'Pedigrees. Fertility Sterility Reprod. Performance'. Includes correspondence, a little printed matter, and also 12pp. 'Birthplaces in Great Britain (Famous Men)'. |

Publications

- E.453                    'Theatre   Families and pedigrees   Dramatists' (and other pedigrees).  
Includes correspondence.

Africa.   6 folders as follows:

- E.454                    'Negro - Colour Prejudice'
- E.455                    Untitled folder of ms. notes on various African areas and topics.
- E.456                    'Pygmies   Bushmen and Hotts.   Paleo'.   Includes correspondence.
- E.457                    Folders of notes on 'Crops / Stock Diseases' and 'Equality   Hamites  
Nilotes and Castes'.
- E.458                    'Nubia and Ethiopia'
- E.459                    'Castes ... and Empires   Iron'

Shorter articles and writings on 'EMS'

- E.460                    'The Origin of EMS'  
8pp. ms. draft dated '9 May 69'.  
Included here is contract for an interview on EMS to be given by  
Darlington on BBC 'Woman's Hour', August 1969.
- E.461                    Ms. drafts, April, July 1969, for article published in The Sunday Times  
Magazine, 31 August.
- E.462                    Correspondence with The Sunday Times commissioning article and  
forwarding letters from readers. Includes press-cutting of article as  
published.
- E.463                    7pp. ms. notes on 'Practical Aims of EMS' and 13pp. transcript of  
interview for American magazine Fortune, July 1972.
- E.464                    Invitations to speak on, or arising from 'EMS', 1969-71.

See F.118 for proposed programme on the book for BBC TV 'Horizon', which was not made.

Publications

Publications correspondence and reviews

Correspondence, chiefly with Allen and Unwin, 1962-76. Includes a little correspondence with others re maps, diagrams and charts, index, publishers of American edition (Simon and Schuster), translations. Although the material relates almost entirely to the gestation of EMS, there is occasional reference to other publications by Darlington handled by Allen and Unwin.

- E.465                      1962-67  
Correspondence, February 1962, refers to the proposed new book 'Evolution of Society'.
- E.466                      January-April 1968  
Includes memorandum by Director to Chairman (Sir Stanley Unwin) about the book, in which he compares it to Darwin's Origin of Species and Toynbee's Study of History, describes it as 'the most important thing of its sort which has come our way since Bertrand Russell's History of Western Philosophy', and also draws attention to Darlington's methods of composition and multiple re-drafting as 'a palimpsest of successive revisions on white, pink, yellow and finally green paper'. Folder also includes draft 'blurb', and preparations for American edition.
- E.467                      May-July, 1968
- E.468                      August-December 1968
- E.469                      January-March 1969  
Includes letter from J.S. Huxley, and a note of recommendation from him for printing on dust-jacket, March.
- E.470                      1969  
Includes arrangements for launching and reviews, Sunday Times article, BBC talk, etc.
- E.471                      1970-74, 1976  
Mainly re translations and foreign rights. Darlington's letter of 25 September 1970, in answer to a request from Director for another book, says that he has in mind 'a sequel to The Evolution of Man and Society, an account of Society as it is. Another to follow (if I survive) would be autobiographically reflective'. The 'sequel' was The little universe of man (1978, see E.535 et seq.).
- E.472                      Reviews of EMS divided by Darlington into 'Positive', 'Negative' and 'Trivial Comments'.



Publications

- E.473 Miscellaneous ms. notes for a 'review of reviews' of EMS, some headed 'Encounter' and perhaps intended for article 'Man and society. A scientist replies', Encounter, 37, 1971 (see E.509, E.510).
- E.474 Folder of reviews of EMS, mainly UK, 1969.
- E.475 Folder of reviews of American edition and foreign translations of EMS, 1970 and later.

Correspondence preceding and following publication

- E.476-E.479 Darlington's folder of 'Correspondence for acknowledgements', 1959-67. In chronological order.

4 folders as follows:

- |       |      |       |                  |
|-------|------|-------|------------------|
| E.476 | 1959 | E.478 | 1961-63          |
| E.477 | 1960 | E.479 | 1966-67 and n.d. |

- E.480-E.484 'Important letters on EMS' (Darlington's description). In alphabetical order.

5 folders as follows:

- |       |       |       |   |
|-------|-------|-------|---|
| E.480 | B - C | E.483 | P |
| E.481 | D - E | E.484 | W |
| E.482 | G - O |       |   |

- E.485-E.492 Letters arising from, or commenting on, 'EMS', from colleagues and friends and from members of the general public; a few with Darlington's replies, and several with his annotations. In chronological order.

8 folders as follows:

- |       |                                   |       |  |
|-------|-----------------------------------|-------|--|
| E.485 | 1969, September-December          | E.489 | 1972   |
| E.486 | 1970, January-August              | E.490 | 1972. Correspondence and accounts of conditions in Chile |
| E.487 | 1970, September-December and n.d. | E.491 | 1973   |
| E.488 | 1971                              | E.492 | 1974-80  |

Publications

- E.493 'The replication and division of polynemic chromosomes'  
Correspondence with A. Haque, 1967-69, re collaborative paper published in Heredity, 24, 1969. See also E.400.
- E.494 'Origins of cultd. plants'  
5pp. ms. notes dated February 1969.
- E.495 'Nucleus, cytoplasm and cell', Soc.Exp.Biol.Symp., 24, 1970.  
Drafts, May-September 1969, all with variants, ms. notes, outline of introductory speech.
- E.496, E.497 'History and biology'  
Chapter contributed to New Movements in the study and teaching of history, ed. Ballard, 1970.
- E.496 Ms. and typescript drafts, September, December 1969.
- E.497 Correspondence with editor and publisher, 1969-70.
- E.498 Reviews, 1969 (5).
- E.499 'The origins of agriculture'  
Correspondence, ms. draft and copy of article as published in Nat.Hist.N.Y., 79, 1970.
- E.500 Brief correspondence, 1970, and ms. drafts for tables (only) for Darlington's contribution 'The evolution of polymorphic systems' to Ecological genetics and evolution, published 1971 in honour of E.B. Ford's 70th birthday.
- E.501 'Twin biology'  
Ms. and typescript drafts for 'Comment' on M.G. Bulmer: The biology of twinning in man, published in Heredity, 25, 1970.
- E.502 Reviews, 1970 (3).
- E.503 Reviews, 1970 (3).



Publications

- E.504            'The origins of agriculture'  
Article commissioned for a Dictionary of Prehistory by Charles Scribner's Sons. The project was cancelled for economic reasons.  
Folder includes correspondence, 1970-71, and drafts for article, January, February 1971.  
N.B. This article is listed in the Bibliography as a publication.
- E.505            'How people differ'  
Article commissioned for The New York Times, December 1970, and published on 10 August 1971 under the title 'The limited pool of human talent', and in a form Darlington described as 'abridged and emasculated'.  
Folder includes correspondence, typescript and ms. drafts.
- E.506            'Axiom and process in genetics', Nature, 234, 1971.  
Extensively-annotated and corrected draft, with a ms. headnote 'unabridged! '.
- E.507            Contribution to controversy on evolution in New Scientist, 49, 1971.  
Draft, correspondence.
- E.508            'The causes and consequences of human progress'  
2pp. draft 'Conclusion', perhaps for longer paper, November 1971.
- E.509, E.510    'Man and Society: the Problem and the Critics'  
Drafts and correspondence for article published as 'Man and society. A scientist replies' in Encounter, 37, 1971. This was a 'review of reviewers' of The evolution of man and society, commissioned by the periodical in October 1969, despatched by Darlington in March 1970 but not published until December 1971, by which time Darlington had complained to the Society of Authors as he had in similar circumstances in 1965 (see C.101).  
For Darlington's 1969 notes for the article, see E.472, E.473.
- E.509            Correspondence with Encounter, 1969-71, and with Society of Authors, 1971.
- E.510            Heavily-annotated draft for article, copies of letters published in Encounter arising from publication.



Publications

- E.511                   Reviews, 1971 (2), and some printed copies.
- E.512                   'Farming in Russia'. Letter to The Times, published 12 December 1972.  
Ms. draft , press-cuttings, letter arising .
- E.513                   'Cracks in the gene'. Review of The genetics of human populations,  
New Soc., 1972.  
Draft, correspondence, press-cutting.   Draft has a headnote 'Uncorrected.  
Altered by Editor when printed'.
- E.514                   'Man and his environment'  
This was Darlington's contribution to Vol.10 of 'Peoples of the Earth'  
series published by Tom Stacey Limited under the general editorship  
of Sir Edward Evans-Pritchard.   Darlington's essay was sent in January  
1973 and the volume was published and was 'a noteworthy financial  
failure'.   Folder includes correspondence (only) with original publisher,  
1972-73, and with William Heinemann Limited, 1974.   Darlington's  
attached note bears the legend 'Evans Pritchard died Aug. 1973.  
Tom Stacey bankrupt Sept. 1973.   Heinemann unearthed Sept. 1974'.  
For ms. draft of Darlington's article, see E.583.
- E.515                   'Sociology in the Eyes of a Biologist'  
13pp. heavily-revised ms. draft, dated May 1973.
- E.516, E.517           'Shockley and Leeds'  
Article written for Minerva (Darlington was a member of the Board of Advisory Editors) on  
the withdrawal of a proposed Honorary Degree by the University of Leeds to William Shockley,  
inventor of the transistor, because of his views on genetics and race.   The editor of  
Minerva (E. Shils) wished to use an edited version as an editorial but Darlington was not  
prepared to accept alterations in his text and the work was not published.
- E.516                   Ms. and copy-edited drafts, May 1973.
- E.517                   Correspondence with editor, Minerva, 1972-73.
- E.518                   Reviews, 1973 (3), with notes, drafts and a little correspondence.
- E.519                   Two reviews, 1973, of R.E. Cleland: Oenothera, cytogenics and  
evolution, for Heredity and Science Progress. Includes drafts and a  
little correspondence.

Publications

- E.520                Reviews, 1973 (3).
- E.521                Reviews, 1973 (5), with notes, correspondence and some printed copies.
- E.522, E.523        Reviews of J.R. Baker: Race, 1974.
- E.522                For The Sunday Times (published 17 February). Includes notes, ms. and corrected typescript drafts, correspondence with newspaper, letter of thanks from Baker.
- E.523                For Journal of Biosocial Science. Ms. drafts, brief editorial correspondence.
- E.524                Reviews, 1974 (3). Includes correspondence.
- E.525                Reviews, 1975 (3). Ms. drafts, notes, a little correspondence.
- E.526                'The evolution and variation of human intelligence'  
Darlington's contribution, originally intended as 'Foreword' but eventually published as 'Epilogue' to a collection of essays Human variation: the Biopsychology of Age, Race, and Sex, New York, 1977.  
Includes Darlington's typescript and ms. draft dated April 1976, prospectus, contract, correspondence with editors, 1973-77.
- E.527                Ms. notes dated June 1976, on 'The Crisis in the Chr[omosome] Theory 1910-30' and 'Genetics 1920-30'.
- E.528                'Genetics of intelligence: bearing on education'. Letter in The Times, 23 November 1976.  
Press-cutting, brief correspondence arising.
- E.529                The handling of chromosomes. 6th edition, revised by L.F. La Cour, 1976.  
Brief correspondence only. For material re Russian edition, see E.647.
- E.530                Notes and drafts for reviews of R. Ardrey: The hunting hypothesis, and of R. Dawkins: The selfish gene, both for Times Lit. Suppl., 1976.
- E.531                'Meiosis in perspective', Phil.Trans.R.Soc.Lond., 277, 1977.  
Heavily-corrected typescript draft.
- E.532                Ms. notes and drafts for reviews of E. Mayr: Evolution and the diversity of life, and of C. Blakemore: Mechanics of the mind, both 1977.



Publications

- E.533 'A diagram of evolution', Nature, 281, 1979.  
Draft, versions of diagrams, correspondence with editors and colleagues.  
See also E.648.
- E.534 Ms. drafts for comments on chapter on 'The nature and origin of life'  
for Reader's Digest Library of Modern Knowledge, 1978.

E.535-E.646 The Little Universe of Man (LUM), 1978

This was another major publication (307pp.) with figures, tables and time-charts. Though on a somewhat smaller scale than Evolution of man and society, it was intended as a companion piece to the latter or, alternatively, as the last part of 'a trilogy on Man' which began with Genetics and man. See E.565 for multiple drafts and notes for prefaces, introductory material, blurbs and leaflets, E.638 for publicity material put out by publisher in August 1978, which explain the development and purpose of the book.

Darlington was in active touch with his publisher, Allen and Unwin, from 1974 to agree the contract and schedule for the book; see E.635 et seq. The book covers a little of the same historical ground as 'EMS' and occasionally uses similar material, e.g. on pedigrees, but concentrates on 'the evolutionary processes set in motion over the last 300 years' and 'the great stream of scientific knowledge sweeping us forward into a dangerous future'. Some of the topics discussed, such as race, education, equality, population, crime, lost nothing of their inherently controversial nature under Darlington's pen, and indeed he modified several portions of the draft after suggestions from readers and advisers. The book, though widely reviewed (E.639, E.640) made less of an impact than 'EMS'. Darlington, characteristically, had long before publication begun to accumulate material either for a revision of 'LUM' or for another book on the general themes of human and social genetics (See E.631-E.633; see also E.661-E.665).

The material is presented as follows:

- |             |  |
|-------------|--|
| E.535-E.569 | Drafts   |
| E.570-E.633 | Notes and background material                      |
| E.634-E.640 | Publication correspondence and reviews             |
| E.641-E.646 | Correspondence preceding and following publication |



Publications

Drafts

The first draft (E.535-E.544) bears various dates, 1973-75, and is entirely autograph manuscript. The later draft (E.545-E.554) of 1976 is a typescript with ms. corrections and additions. There are additional partial drafts and 'discarded' material at E.555-E.564. Work on preface and introduction, maps and diagrams, tables, notes and other miscellaneous material is at E.565-E.569.

- |             |   |
|-------------|---|
| E.535-E.544 | First manuscript draft. Ten folders as follows:   |
| E.535       | Chapter 1, pp.1-30, dated '21 Oct. 73'.   |
| E.536       | Chapter 2. The Agricultural Revolution, pp.1-63.  |
| E.537       | Chapter 3. Heredity and genetics, pp.1-30.  |
| E.538       | Chapter 4. Brain and Intelligence, pp.1-57. Includes 'A word on eugenics' numbered '6.40-6.44' but used in Chapter 4.   |
| E.539       | Chapter 5. Culture: the created environment, pp.1-59, dated '3 Dec 74'.   |
| E.540       | Chapter 6. Education, pp.1-39, dated '13 Dec 73'. Includes pp.60-66 of Chapter 5 with a ms. note 'or Ch.6?'   |
| E.541       | Chapter 7. Migration and Colonisation, pp.1-96 (published as 'The Colonization of Asia').   |
| E.542       | Chapter 8. Africa and the Negro, pp.1-65 (published as 'The Opening of Africa').  |
| E.543       | Chapter 9. Economics in evolution, pp.1-64, dated 'Dec 75?'   |
| E.544       | Chapter 10. The Connected Universe, pp.1-10 (published as 'The Problem and the Choice').  |
| E.545-E.554 | Draft of 1976. This is a typescript version incorporating several re-workings of the text, some very extensive, in black, blue and red ink and in pencil. Ten folders as follows: |
| E.545       | Preface (dated November 1976), Ch.1   |
| E.546       | Chapter 2   |
| E.547       | Chapter 3   |

Publications

- E.548 Chapter 4. Brain and Intelligence. Very heavily revised and with some additions in another hand.
- E.549 Chapter 5
- E.550 Chapter 6. Education. Very heavily revised.
- E.551 Chapter 7
- E.552 Chapter 8
- E.553 Chapter 9
- E.554 Chapter 10
- E.555-E.564 Partial drafts and discarded material. Ten folders as follows:
- E.555 Photocopy of draft (incomplete), with comments and annotations by unidentified reader (usually underlined in red).
- E.556 Draft of sections of Chapters 5-8 with extensive pencilled comments by unidentified reader.
- E.557 Shorter ms. and typescript drafts, some preceding 1976 typescript version, some reworkings for a further draft, not all attributable. Chapters 1 and 3.
- E.558 Similar, Chapter 4. Includes re-workings after second typing, and some sections dated November 1977.
- E.559 Similar, Chapter 5. Includes section of third typing.
- E.560 Similar, Chapters 6 and 7.
- E.561 Similar, Chapters 8 and 9.
- E.562 Similar, Chapter 10.
- E.563 Miscellaneous, some with various dates, 1973-75.
- E.564 'Discarded Typescript Jan 76'  
Extensive sequences of ms. and typescript drafts, with Darlington's list of contents.

Publications

- E.565 Notes and drafts for preface, acknowledgements, introductory material, blurb, etc. An interesting folder for the development of Darlington's ideas about the content of the book and its place in the sequence of his writings on human genetics. Some of the documents bear various dates from June 1973 to August 1978.
- E.566 Drafts for chapter headings, estimated lengths, synopses, figures and diagrams required.
- E.567 Maps and diagrams for LUM, almost all in Darlington's hand.
- E.568 Tables and time-charts, almost all in Darlington's hand.
- E.569 'LUM Notes (to follow text in one book)'

Notes and background material

This extensive material was originally contained in three boxes inscribed 'Notes 1971-76', arranged in 'folders' (usually company report covers) by topic with a description or title by Darlington. This arrangement has been preserved, the titles retained in inverted commas, and the material grouped as far as possible in chapter order, though by no means all is attributable.

The content includes Darlington's own ms. notes, ideas, drafts for paragraphs and sections of the book, articles, offprints and press-cuttings with comments and annotations. Correspondence about the book with colleagues is at E.641, E.644.

Where Darlington was using articles from standard journals, only the front page has been retained as a reference. Minor publications, foreign journals, and less easily accessible material, has been kept entire.

- Chapters 1-4 Ten folders as follows:
- E.570 'Evol<sup>n</sup> Paleo'  
Notes, diagrams, press-cuttings, offprints.
- E.571 '1 - 3'  
Notes and references.
- E.572 'Class stratification'  
Extensive ms. notes, press-cuttings.



Publications

- E.573            'Race'  
Offprints, press-cuttings.
- E.574            Race  
Ms. notes, press-cuttings.
- E.575            Immigration and illegal immigration  
Ms. notes, press-cuttings.
- E.576            Migration. Colonisation  
Ms. notes, ideas and drafts.
- E.577            Migration    Immigration    Colonialism  
Ms. notes.
- E.578            'Reverse colonisation to Europe (migrant workers)'  
Offprints, press-cuttings.
- E.579            'Decolonisation'  
Ms. notes, offprints, press-cuttings.
- Chapter 5        Eleven folders as follows:
- E.580            'Religion and superstition'  
Extensive ms. notes and drafts.
- E.581            'Stratified environment    Religion    Morals'  
Ms. notes.
- E.582            Religion and superstition  
Press-cuttings.
- E.583            'Natural environment resources'  
Ms. notes and drafts, including Darlington's draft of November 1972  
on 'Man and his environment' for Peoples of the Earth series, see  
E.514. Press-cuttings.
- E.584            'Natural Environment'  
Ms. notes and drafts.

Publications

- E.585 'Culture' 'Creation of culture' 'Diffusion of Culture' 'Division of culture'  
Ms. notes and drafts.
- E.586 'Culture Quotes'  
Ms. notes and drafts, press-cuttings.
- E.587 'Genetic principles' 'Genetic environment'  
Ms. notes and drafts.
- E.588 'Natural environment and disease Malaria'  
Ms. notes, offprints, press-cuttings.
- E.589 'Animals and Food'  
Ms. notes, offprints, press-cuttings.
- E.590 Miscellaneous ms. notes and drafts related to Chapter 5.
- Chapter 6 Five folders as follows:
- E.591 'Genetic Environment Education' 'Principles of Education' 'Universities'  
Ms. notes and drafts, press-cuttings.
- E.592 'Race, class and speech'  
Ms. notes and drafts, press-cuttings.
- E.593 Ms. notes and drafts on education
- E.594 'Education and welfare'  
Press-cuttings.
- E.595 Miscellaneous printed material on education and inequality.
- Chapter 7 Four folders as follows:
- E.596 'Asia'  
Two envelopes, mainly press-cuttings.
- E.597 'S E Asia'  
Ms. notes, press-cuttings.

Publications

- E.598            'China'   'Japan   Java'  
Mainly press-cuttings.
- E.599            'USSR   Communism'  
Ms. notes, press-cuttings.
- Chapter 8       Extensive material for 'The opening of Africa', including slavery in  
historic and modern times.  
Fourteen folders as follows:
- E.600            'S Africa   Indenture'  
Notes, press-cuttings. Includes 14pp. ms. draft on South Africa  
and apartheid, February 1974.
- E.601            'Notes on Africa'  
Ms. notes, press-cuttings, offprints.
- E.602            'Nigeria'   'Ethiopia'  
Mainly press-cuttings.
- E.603            'French   Belgian'  
Mainly press-cuttings.
- E.604            'Egypt   Failure of the High Dam'   'Liberia'  
Ms. notes, mainly press-cuttings.
- E.605            'S.W. Africa = Namibia   Swazi   Lesotho   Botswana'  
Ms. notes, press-cuttings.
- E.606            'Africa.   Algeria (France)'   'Black Africa (Abyssinia)'  
Ms. notes, mainly press-cuttings.
- E.607            Ms. notes and press-cuttings. Includes 6pp. ms. draft on 'Indian  
emigration. Indians in Africa' and 5pp. ms. draft on 'Neo-colonialism'.
- E.608            'Portuguese Africa'   'Negroes'  
Ms. notes, mainly press-cuttings.
- E.609            'Africa   Negroes   Immigrants'   'Africa and the Negro'  
Ms. notes, press-cuttings. Includes 7pp. ms. draft on 'The Negro  
Republics', January 1974.



Publications

- E.610 'Africa'  
Ms. notes, press-cuttings, offprint.
- E.611 'U.S.A.'  
Ms. notes, press-cuttings.
- E.612 'Negro Slavery'  
Ms. notes and drafts, press-cuttings.
- E.613 'W. Indies'  
Mainly press-cuttings.
- Chapter 9 Extensive material for 'Economics in Evolution', including population, sociology, etc.  
Nine folders as follows:
- E.614 'Economics'  
Ms. notes, press-cuttings.
- E.615 'Debt trap and India'  
Mainly press-cuttings.
- E.616 'Foreign aid'  
A substantial folder of ms. notes, drafts and press-cuttings.
- E.617 'Politics Sociology'  
Ms. notes and drafts, some with various dates, 1972-74.
- E.618 'Sociology Politics Economics'  
Ms. notes, mainly press-cuttings.
- E.619 'Malthus Population 3rd World'  
Ms. notes and drafts, including sections omitted from Chapter 9 as published.
- E.620 Ms. notes and drafts, mainly on energy sources and environment.
- E.621 Miscellaneous ms. notes and drafts for various sections of Chapter 9.
- E.622 Miscellaneous background material, reprints and press-cuttings on population.

Publications

Chapter 10            Three folders as follows:

E.623                'Ch.10    Politics'

Ms. notes and drafts, including several paginated sequences, some with dates, 1974, 1975.

E.624                'Ch.10'   'Man as God'

Ms. notes and drafts, some with dates, 1975, 1976.

E.625                Ms. notes, drafts for 'conclusion' or 'summary'

Miscellaneous and unattributed material, perhaps omitted from book.    Five folders as follows:

E.626                'Europe'

Mainly press-cuttings and offprints.

E.627                'Latin America'

Ms. notes and drafts, press-cuttings.

E.628                'Canada'    'Ireland'

Mainly press-cuttings.

E.629                Notes, press-cuttings, offprints on gypsies.

E.630                'Misc.'

Ms. notes, references, press-cuttings.

'Revision LUM'. Material, mainly press-cuttings, assembled under this description. Three folders as follows:

E.631                1975-78

E.632                1978-79

E.633                Miscellaneous, mainly 1976-77

Publications

Publication: correspondence and reviews

A chronological sequence, 1974-80; includes pre-publication comments and readers' reports, not all favourable.

- E.634 Correspondence with Leverhulme Trust, 1974-77, re Emeritus Fellowship awarded to Darlington for work on LUM. Includes letter of application and reports on the work showing drafts for chapter-headings and synopses.
- E.635 Correspondence with Allen and Unwin, December 1974 (one letter only), 1975. Includes Darlington's 'LUM Timetable', 1975-78.
- E.636 April-December 1976. Includes comments on manuscript from K. Lorenz (very favourable) and from publisher's readers.
- E.637 1977. Includes detailed critique of manuscript by unidentified American Professor of Anthropology, legal opinion on possible infringement of Race Relations Act with suggestions for emendations (accepted by Darlington), Darlington's list of comments made by E.B. Ford.
- E.638 1978-80. Includes publicity leaflet, arrangements for publication, complimentary copies in Europe and America, possible television transmission, reviews, translations.  
See also F.119.
- E.639 Reviews of LUM, 1978-79.
- E.640 Reviews of German translation, 1980.

Correspondence preceding and following publication

- E.641 Correspondence from colleagues sending information or comments, 1972-76.
- E.642 Correspondence, 1977-78, re possible American edition.
- E.643 Requests to give lectures or interviews arising from LUM, 1978.
- E.644 Correspondence from colleagues arising from publication, some with note of Darlington's reply, 1978-79.
- E.645 Letters and comments from the general public, 1978.
- E.646 Similar, 1979.



Publications

- E.647      The handling of chromosomes, 6th edition.  
Correspondence, ms. and typescript drafts for preface to Russian edition (published in Moscow 1979), 1978-79.  
See also E.529.
- E.648      'The chromosomes as feedback systems in evolution', Kybernetes, 8, 1979.  
Article commissioned as a follow-up to Darlington's 'A diagram of evolution', Nature, 281, 1978 (see E.533).  
Includes ms. notes and drafts, editorial correspondence, copy of final published version.
- E.649      'Morgan's inheritance'. Review of biography by G.E. Allen, Nature, 278, 1979.  
Ms. notes, 10pp. ms. draft, corrected proof, brief editorial correspondence.  
This review, surprisingly omitted from the Bibliography, produced a response from A.G. Cock to which Darlington in turn replied. See E.650 below.
- E.650      'Cock on evolution', Nature, 281, 1979. Letter written in reply to letter 'Psychosocial evolution' by A.G. Cock commenting on Darlington's review of biography of Morgan (E.649 above).  
8pp. ms. draft (and 1p. 'omit'), copies of published versions of Cock's letter and Darlington's reply, brief editorial correspondence.
- E.651      'Chromosomes and organisms: the evolutionary paradoxes'. Contribution to Chromosomes today, Vol.7, 1981, based on Darlington's address to the 7th International Chromosome Conference, Oxford, August 1980.  
See also H.186.  
11pp. heavily-corrected ms. draft, 7pp. corrected typescript.
- E.652      'Problems of the English apple' and 'The lost English apples'. Two letters to The Times, of which only the first was published (12 August 1980).  
The correspondence arose from a leader in The Times, 'A French apple a day', 19 July 1980. Darlington's first letter referred to English apple varieties bred at the John Innes Institution but not made available to growers and the public. Among the letters following publication of his letter was one from Basil Neame, which led Darlington to draft and send a second letter which was not published in view of possible legal complications.  
Folder includes ms. drafts for both letters, press-cuttings, letters from readers of The Times.

Publications

- E.653 'Genetics and plant breeding, 1910-80', Phil.Trans.Roy.Soc., 292, 1981.

Ms. notes and heavily-corrected drafts for paper with this title, and another titled 'Crises in plant breeding' both dated 29 October 1980, proof with ms. corrections and additions. In his Bibliography for the paper, Darlington lists B.D. Neame's letter to The Times (see E.652).

E.654-E.675 MISCELLANEOUS AND UNPUBLISHED MATERIAL

- E.654 Chrs. 1927-41'

Folder of ms. notes and drafts. Includes 'Sketch for my letter to Nature', 1927, 'Summary of book from genetical point of view', 1932, 'The Cytological analysis of hybrids' [n.d. but on University of California writing-paper, c.1932-33], work on chiasmata 1933, 'Chr. Mechanics' with a ms. note '1934 for Wrinch', notes on 'Zea 1940', and many miscellaneous and undated notes.

- E.655 'Controversies Unpub.'

Folder of ms. notes and drafts. Includes 1933 (reply to critics), 'Saxifrage paper 23.vii.36 Historical controversy', '1938-9' (on the term 'centromere'), and other miscellaneous and undated notes.

- E.656 'Genetics and evoln. 1937-47'

Folder of ms. notes and drafts on various topics in genetics, heredity, cell theory. Few dated. Includes list of 'Questions of heredity', list of 'Essays on Genetic Subjects', 'Prospectus Theory and Practice of Plant Breeding', 'Introd. to the Heredity Material' for 'Book' and many other notes.

Publications

- E.657            'Man'  
Folder of ms. notes and drafts. Includes note on Eugenics headed 'Unpub. 1936', 'Race Class and Sex in Man', 1941, 'Genetics and Man', 1945, 'Language and Speech', 'Biology and the Community', 'Evolution in Nature and in Society', and other miscellaneous undated notes.
- E.658            'Politics and Sociology'  
Folder of notes and drafts. Includes 'Education', 1941, 'Science and the Government', 1943, 'Science must be used', 1944, 'Freedom', 1952, 'The Editor and the Referee', 'Why fruit trees do not bear'.
- E.659            'Philosophy'  
Folder of ms. notes and drafts. Includes 'Dialectical Materialism and Society', 1943, 'Note on Sci. method and discovery', 1949, 'Determinism and uncertainty', 1952, 'The Cleavage between Science and Philosophy', 'Selection and Class in Human Society', 'An Introduction to Scientific Fraud', and other miscellaneous undated notes.
- E.660            'Physiology of the embryo sac'  
Various ms. and typescript drafts, one headed 'Uncorrected 1944?' and one headed 'Unpublished notes'.
- E.661-E.665       Extensive material from a box inscribed '1976 Notes and cuttings for Future Books after LUM'. The material, which is similar to that assembled for EMS and LUM, is divided numerically, presumably for chapters. The date 1976 may denote the point at which Darlington boxed the material, some of which precedes and follows that date. The numbering starts at 3, nothing remaining for the first two 'chapters'. Five folders as follows:
- E.661            '3', '4'. Notes, press-cuttings, brief correspondence, on twins, race, gender.
- E.662            '6', '7'. Notes, press-cuttings, on language, delinquency, India, Hong-Kong, China, Russia.
- E.663            '8'. Press-cuttings and printed matter, mainly on Africa, race problems in America.
- E.664            '9', 'Economics and ecology'. Press-cuttings.
- E.665            'Various'. Press-cuttings, 1976-77.



Publications

- E.666 Ms. note dated '30 Jan. 81', of ten chapter headings for a proposed book title 'DoE' (Diagram of evolution, Darlington's unpublished book).

Undated drafts and notes

- E.667 '20 Sex Determination'  
Extensive ms. draft.
- E.668 'Principles and problems of embryology'  
Typescript draft, headed 'uncorrected'.
- E.669 Draft letter to The Times, on cleaning Nelson's Column, dated October 21, no year.
- E.670 'Extracts from Reviews', 1p. ms. note.
- E.671, E.672 Quotations and epigrams, for use in writings or speeches. Two folders.

Figures and diagrams

- E.673 Envelope containing 'First Cytological Drawing CDD 1923'
- E.674 Large envelope inscribed 'Unpub. Drawings and Diagrams 1928-1940'
- E.675 Folder of miscellaneous drawings and figures by Darlington of various subjects and dates, kept as sample.

Publications

E.676-E.710 EDITORIAL CORRESPONDENCE AND MATERIAL

The material is presented as follows:

- E.676-E.700 An alphabetical sequence of shorter correspondence with editors and publishers, mainly requests to write books and articles, advise on manuscripts or projects, serve on advisory boards, etc.
- E.701-E.709 Contracts and royalties
- E.710 Circulation lists

EDITORIAL CORRESPONDENCE

- E.676, E.677 Allen and Unwin, various dates, 1953-73.

This firm was Darlington's principal publisher and most of the material relating to his own books is incorporated with the drafts, etc. in the main sequence, though a little is included here.

- E.676 1953, 1963. Correspondence 1963 includes exchanges with R. Riley and with Oliver and Boyd re publication of Symposium on 'Chromosome manipulation in plant breeding and genetics'.

- E.677 1965-73. Includes a ms. outline for a book of 'Theoretical Essays' by Darlington 'to be published', 1969, comments on manuscripts, sales of Darlington's books, etc.

- E.678 American Journal of Botany 1960, 1978  
Annual Review of Genetics 1967  
Benchmark Papers in Cytogenetics 1973  
Botanical Magazine 1947  
Comments on paper on Tulipa.
- E.679 Cambridge University Press Various dates, 1966-77  
Comments on various publishing projects.
- E.680 Caryologia 1966-67  
Darlington served on the Committee of Editors.

Publications

- |       |   |                                 |
|-------|---|---------------------------------|
| E.681 | <u>Chromosoma</u>   | 1938, 1963, 1968, 1973,<br>1977 |
|       | Correspondence 1938 is with H. Bauer <u>re</u> the founding of the journal, arising in part from discussions at the Klampenborg conference (see H.54-H.56). The editorial board comprised Bauer, Caspersson, Darlington, Dobzhansky, Geitler, Möllendorf, Mohr, Müntzing, Schrader, Seiler. Darlington remained on the Advisory Board until 1973. |                                 |
|       | See also correspondence with Bauer and other colleagues in Section J.   |                                 |
| E.682 | J. & A. Churchill (later Churchill Livingstone)<br>Churchill Press Limited  | 1938, 1965-74<br>1970           |
| E.683 | Collins Publishers  | 1960-62                         |
|       | Correspondence <u>re</u> various publishing projects, including Darlington's introduction to reprint of Galton's <u>Hereditary Genius</u> . See E.351.  |                                 |
| E.684 | <u>Cytogenetics</u>   | 1966-70                         |
|       | Darlington served on the Editorial Board. Brief correspondence only.  |                                 |
|       | <u>Cytologia</u>  | 1977                            |
|       | Darlington was 'standing collaborator'. One letter only.  |                                 |
| E.685 | <u>Daedalus</u>   | 1960                            |
|       | <u>Discovery</u>  | 1953                            |
|       | Elsevier / North Holland  | 1978                            |
| E.686 | Edinburgh University Press  | 1964                            |
|       | Encyclopaedia of Ignorance  | c.1975                          |
|       | Encyclopaedia Dictionary  | 1964                            |
| E.687 | Gollancz  | 1931                            |
|       | Projected book by Darlington.   |                                 |
|       | Harrap and Company  | 1962                            |
|       | IMPACT (UNESCO publication)   | 1954                            |
|       | ISIS (Oxford publication)   | 1970                            |



Publications

|  |  |                       |
|--|--|-----------------------|
| E. 688   | <u>Journal of Karyology and Cytotaxonomy</u>   | 1976                  |
|  | Invitation to serve on Review and Advisory Board of new journal.   |                       |
|  | <u>Journal of Medical Genetics</u>   | 1978                  |
|  | <u>Journal of Royal Horticultural Society</u>  | 1948                  |
| E. 689   | <u>Mankind Quarterly</u>   | 1971                  |
|  | <u>Medical Opinion and Review</u>  | 1969                  |
|  | Mendel Centenary Celebrations  | 1965                  |
|  | Michael Joseph Limited   | 1965                  |
|  | Monadori Editore   | 1976                  |
| E. 690-E. 692  | <u>Nature</u>  | Various dates 1936-69 |
| A sequence of exchanges with Editors of <u>Nature</u> re letters, articles or reviews published or submitted for publication by Darlington, comments on papers by others, etc. Some correspondence from scientific colleagues is included. |  |                       |
| E. 690   | 1936-39  |                       |
| E. 691   | 1941-49  |                       |
| E. 692   | 1965-69  |                       |
| E. 693   | <u>Neue Anthropologie</u>  | 1976                  |
|  | Darlington was a member of the Honorary Advisory Board.  |                       |
|  | <u>New Humanist</u>  | 1973-75               |
|  | <u>New Scientist</u>   | 1956, 1961, 1970      |
| E. 694   | <u>The Nineteenth Century</u>  | 1948                  |
|  | <u>The Nucleus</u>   | 1967                  |
|  | Darlington served on the international board of advisory editors.  |                       |
|  | Oliver and Boyd Limited  | 1956                  |
|  | Brief correspondence only, not reflecting Darlington's long contact with this house as publisher of some of his books and of <u>Heredity</u> . |                       |
|  | OMNI   | 1978                  |
| E. 695   | Oxford English Dictionary Supplement   | 1970-71               |
|  | Darlington was a consultant. Folder includes various notes, slips and definitions supplied by him.   |                       |

Publications

|       |  |         |
|-------|--|---------|
| E.696 | Oxford University Press (and Clarendon Press)  | 1968-71 |
|       | Shorter correspondence on various publishing projects.   |         |
| E.697 | Penguin Books  | 1977    |
|       | Pergamon Press   | 1958    |
|       | Plenum Publishing Corporation  | 1979    |
|       | <u>Psychology today</u>  | 1975    |
| E.698 | QUESTION   | 1968    |
|       | Routledge and Kegan Paul Limited   | 1963    |
|       | Rupert Hart-Davis Limited  | 1970    |
| E.699 | <u>Sub-cellular Biochemistry</u>   | 1970    |
|       | <u>The Sunday Times</u>  | 1972    |
|       | SYNTHESIS  | 1973    |
|       | Darlington agreed to serve on the editorial board of this new 'interdisciplinary journal of sociology' |         |
| E.700 | University of London Press   | 1971    |
|       | Weidenfeld and Nicholson   | 1973    |
|       | <u>Zenith</u>  | 1966    |

CONTRACTS AND ROYALTIES

|       |  |  |
|-------|--|--|
| E.701 | Contracts and agreements, 1931-66  |  |
| E.702 | Royalty statements: J. & A. Churchill, <u>Recent advances in cytology, Cytology</u> . 1933-70.   |  |
| E.703 | Royalty statements: Macmillan, <u>Chromosomes and plant breeding</u> . 1933-46.  |  |
| E.704 | Royalty statements: Cambridge University Press, <u>The evolution of genetic systems</u> , 1939-51.   |  |
| E.705 | Royalty statements: Allen & Unwin, <u>The handling of chromosomes, Chromosome atlas, Genes, plants and people, Elements of genetics, Facts of life, Chromosome botany, Genetics and man, Evolution of man and society</u> , 1942-73. |  |

Publications

- E.706 Royalty statements: Oliver & Boyd, The fruit, the seed and the soil, Teaching genetics, The evolution of genetic systems, Chromosomes today, 1957-69
- E.707 Royalty statements: Basil Blackwell, Darwin's place in history, 1960-70.
- E.708 Miscellaneous royalties, 1965-80.
- E.709 Miscellaneous notes of sale of Darlington's books to students in Botany School, Oxford.

E.710 CIRCULATION LISTS

Miscellaneous record cards, address lists, etc. for reprint circulation.

1 box.



# **CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE**

Catalogue of the papers and correspondence of

**CYRIL DEAN DARLINGTON, FRS**

(1903-1981)

Compiled by Jeannine Alton and Peter Harper

**VOLUME II**

Sections F - J

Index

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SECTION F                      LECTURES AND BROADCASTS    F.1 - F.120

INTRODUCTION TO SECTION F

F.1 -F.66                      Lectures

F.67-F.120                    Broadcasts

Although not exhaustive there is material re Darlington's activity as a lecturer covering a 50-year period beginning in 1931, and as a broadcaster, especially on BBC radio, for over thirty years beginning in 1939. The material includes notes and drafts for the lectures and scripts for many of the broadcasts. There is also correspondence including, in respect of the wartime broadcasts, a little correspondence with George Orwell.

F.1-F.66                      LECTURES

F.1                              Three lectures on 'The Cytological Theory of Heredity and Variation', Royal Institution, 10, 17 and 24 March 1931. See also D.12, E.21.  
Letter of invitation, ms. notes, typescript and printed abstracts, programme of Royal Institution lectures.

F.2                              Programme of lectures of the Queckett Microscopical Club, October-December 1931.

Darlington lectured on the 'Microscopic Studies of the Mechanism of Heredity', 13 October.

Ms. notes for ? lecture, 28 April 1935.

'What is Botany?'

Ms. notes for lecture dated by Darlington '1941?'

F.3                              'The origin of cultivated plants', Royal Institution, 12 November 1943.  
Brief correspondence; abstract.

'The genetic analysis of disease'

2pp. draft by Darlington for 'Joint Meeting 23.III.45.'

'Heredity against disease or genetic warfare', 24 March 1945. See F.80  
Typescript draft, with ms. additions by Darlington and comments in the hand of another.

Lectures and broadcasts

- F.4                      Three lectures on 'The Physiology of Chromosomes', Royal Institution, 21, 28 January and 4 February 1947.
- Brief correspondence, ms. notes and programme of Royal Institution lectures.
- Programme of intercollegiate lectures in Botany, 2nd Term. Session 1947-48.
- Darlington lectured on cytology and genetics at University College, London.
- F.5-F.12              'The Conflict of Science and Society'
- Darlington gave the South Place Ethical Society's Conway Memorial Lecture on this topic, 20 April 1948. The Society published the lecture which also formed the basis of two broadcast talks on the BBC, Third Programme, October 1948. Darlington lectured on the same topic at the Ronald Cartland Club, 2 December 1948 and sections of his Conway Lecture were reprinted by the Bulletin of the Atomic Scientists, January 1951.
- F.5                      Invitation for Darlington to deliver Conway Lecture, memorandum of agreement between Darlington and the South Place Ethical Society, correspondence, etc. with Watts and Company, publishers of the Conway Lecture.
- F.6                      Typescript draft of lecture, with ms. corrections ('2nd draft. 26.ii.48'); also draft foreword by R. Gregory and Darlington's ms. notes on conflict of science and society.
- F.7                      Pre-publication printed copy of lecture, with ms. corrections of 27 March.
- F.8                      Published copy of lecture.
- F.9                      Advance copy re Darlington's lecture prepared by the publisher and addressed to the news editor; correspondence arising from lecture; reviews.
- F.10                     Script of first of Darlington's two radio talks on the conflict of science and society; letters re broadcast.
- F.11                     Typescript draft of Darlington's lecture to the Cartland Club; brief correspondence arising.
- F.12                     Copy of article in Bulletin of the Atomic Scientists; brief correspondence arising.



Lectures and broadcasts

- F.20 1p. ms. note for prize-giving, Hertford Grammar School, 7 March 1951.
- 'The new world of the microscope', 15 June 1951.  
6pp. typescript draft.
- 'History of genetics', 2 July 1951.  
2pp. ms. notes.
- 'The two theories of heredity', Royal Institution, 9 November 1951.  
Lecture programme, ms. notes and 3pp. typescript draft.
- F.21 'Recent Advances in Cytology: a retrospect, 1952-1932', 7 November 1952.  
Ms. notes and 30pp. typescript draft.
- F.22 Miscellaneous lecture notes, 1952.  
Includes brief notes for lecture on Lysenko and Russian science, for Foreign Office.
- F.23-F.28 'The Place of Botany in the Life of a University'  
Darlington's inaugural lecture as Sherardian Professor of Botany, Oxford, 27 November 1953 (published 1954).
- F.23-F.26 Ms. notes and ms. and typescript drafts of lecture.  
4 folders.
- F.27 Not used.
- F.28 Brief correspondence re published lecture, 1954.
- F.29 Miscellaneous lecture notes and drafts, 1953.  
Includes material re lectures on chromosomes and heredity, and heredity and environment during visit to Yugoslavia.
- F.30 Miscellaneous lecture notes, 1954.  
Includes notes on genetics and society, reproductive systems and plant breeding, and sex in microorganisms.
- F.31 Miscellaneous lecture notes, 1954-55.  
Notes for lectures on embryology and the chromosomes as a chemical entity.

Lectures and broadcasts

- F.13 Letter and 1p. ms. note re Athenaeum talk, [23] May 1949.
- 'Gene activities observed in the cell', Milan, 25 May 1949.  
3pp. ms. and typescript notes.
- 'Physical and chemical breakage of chromosomes', Naples, 27 May 1949.  
2pp. typescript notes.
- F.14 'Chromosomes and heredity', Christ's Hospital, Horsham, Sussex,  
28 March 1950.
- Copy of school science magazine with report (p.28) of Darlington's  
lecture.
- 'The new genetics', St. Mary's Hospital Medical School, 6 June 1950.  
Invitation (from A. Fleming), notice of lecture and 1p. ms. note.
- 3pp. ms. notes for introductory remarks or lecture at Stockholm Congress,  
19 July 1950. See H.78-H.83.
- F.15 'The Way of Heredity'
- 31pp. typescript draft, dated 22 November 1950.
- F.16-F.19 The Herbert Spencer Lecture, Oxford, 1950.
- The original manuscript was deposited in the Bodleian Library in 1951.
- F.16 Invitation, correspondence re arrangements, 1949-51.
- F.17 Drafts for Spencer Lecture on 'The Coming of Genetics', May 1950.
- The draft of 5 May is noted as being discarded.
- F.18, F.19 Notes on the history of genetics for Herbert Spencer Lecture and  
possibly other lecture or lectures of the same time. Two folders.

Lectures and broadcasts

- F.32                      Miscellaneous lecture notes, 1956.  
Includes notes for lectures on ecology and the breeding system, messages and movements, and radiation and heredity.
- F.33                      'Philosophy of Genetics', University College, London, 11 March 1957.  
Ms. notes and diagrams.
- F.34                      Miscellaneous lecture notes, 1957.  
Includes notes for lectures on Huxley, Mendel and the establishment of genetics and the objectives of teaching school biology.
- F.35-F.39                'Control of Evolution in Man', Royal Institution (Woodhull Lecture), 21 March 1958.

The lecture was published in the Proceedings of the Royal Institution, Nature, and Eugenics Review. It was subsequently reprinted by the International Association for the Advancement of Ethnology and Eugenics, Inc., for world-wide distribution. Darlington was a member of the Executive Committee of the I.A.A.E.E. See E.368.

- F.35                      Correspondence re arrangements for Royal Institution lecture, with abstracts of lecture and press release.
- F.36, F.37                Ms. notes and typescript drafts of lecture.    2 folders.
- F.38                      Printed versions of lecture; review of lecture.
- F.39                      Photocopies of letters from those who had received copies of 'Control of Evolution in Man' from the IAAEE, 1962-63.
- F.40                      Notes for lectures on Darwin, 1958-59.  
Folder includes brief correspondence with Sir Charles Darwin.
- F.41, F.42                Miscellaneous lecture notes, 1959.  
Notes of lectures on chromosomes, genetics and man, academic freedom, and evolution in the sixth form.  
2 folders.
- F.43                      Miscellaneous lecture notes, 1960.  
Includes notes for lectures on heredity and human society, chromosomes, and mutants and monsters.



Lectures and broadcasts

- F.44 'Cousin Marriage', Eugenics Society, 24 May 1961.  
Abstract and verbatim report, with ms. corrections.
- F.45 Miscellaneous lecture notes, 1962.  
Notes for lectures on evolution of society, hereditary genius, and psychology, genetics and the evolution of society.
- F.46 Miscellaneous lecture notes, 1963.  
Notes for lectures on the origins of agriculture and evolution, man and society.
- F.47 Miscellaneous lecture notes, 1964.  
Notes for lectures on genetics and religion, social sciences and biology and genetics of social stratification.
- F.48 Notes of Darlington's introductory remarks for inaugural lecture on microbial genetics by Professor Bevan, 7 May 1965.
- F.49 Miscellaneous lecture notes, 1967.  
Notes for lectures on teaching genetics, anthropology and genetics, and evolution and derivation of social divisions of man.
- F.50 Miscellaneous lecture notes, 1968.  
Includes notes on 'Genetic Systems in E.M.S. (Connectedness)', Paleolithic man, and heredity and environment in man.
- F.51 Notes on 'Genetics of the universities', 6 February 1969.
- F.52, F.53 'Man's Impact on Nature', Institute of Contemporary Arts, 4 November 1970.  
  
Darlington was asked to contribute a lecture, on the early impact on the natural environment of man's appearance, to a course of lectures on ecology organised by the I.C.A.
- F.52 Correspondence re arrangements; abstract of lecture and lecture programme.
- F.53 Ms. notes and typescript draft of lecture.

Lectures and broadcasts

- F.54, F.55 'Race, Class and Culture', Oxford, 20 November 1970.  
Darlington contributed this topic to a series of Herbert Spencer Lectures on 'Biology and the Human Sciences'. The lectures were published by the OUP in 1971.
- F.54 Correspondence re arrangements for lecture series and publication, with I. Berlin and J.W.S. Pringle (one letter), 1969-71.
- F.55 Ms. notes for Darlington's lecture; typescript contents-page with ms. note of date, final draft sent to Pringle (editor of published volume).
- F.56 Miscellaneous lecture notes, 1970.  
  
Includes notes for lectures on origin of society, evolution of genetic systems and heredity, environment and intelligence; also brief related correspondence.
- F.57 Miscellaneous lecture notes, 1971.  
  
Includes notes for lectures on the origin of cultivated plants, the geographical origins of civilisation and human progress.
- F.58 'The Premises of Genetics Reconsidered'  
This topic was the subject of Darlington's Mendel Lecture before the Genetical Society, 11 November 1972.  
  
Correspondence re arrangements; ms. notes for lecture.
- F.59 Miscellaneous lecture notes, 1972.  
  
Includes notes for lectures on race, genetics and intelligence, chromosomes and genes, and the origins of agriculture.
- F.60 'Is Man Master of his Fate?'  
This topic was the subject of Darlington's Gregynog Lectures, given at University College of Wales, Aberystwyth, 11-13 March 1975, on which Little Universe of Man was partly based. See E.634.  
  
Correspondence, 1973-74, abstract and notes for lectures.
- F.61 Notes for lectures on meiosis, December 1975, and evolutionary prospect October 1976.

Lectures and broadcasts

- F.62 Notes for lectures on the chromosome revolution and eco-genetics, 1977.
- F.63 Notes for lectures on the origin of genetics, March 1978, and genetics, evolution and the chromosomes, March 1980; also brief related correspondence.
- F.64 Miscellaneous lecture notes, n.d. (ca.1935-55).

Invitations to lecture

- |      |         |      |         |
|------|---------|------|---------|
| F.65 | 1935-64 | F.66 | 1965-80 |
|------|---------|------|---------|

F.67-F.120 BROADCASTS

For further references to broadcasts, some additional to the ones listed below, see D.94, D.95, E.109, E.192, E.460, E.470, H.65, H.66, H.87.

- F.67 'Heredity and Evolution'
- Contribution no.3 to a series of programmes on 'What is Inheritance?', broadcast 20 April 1939.
- Drafts, script, correspondence arising, and published version in The Listener, with ms. note 'My first broadcast'.

F.68-F.70 'Life's Workshops: Cells, Chromosomes and Heredity'

Darlington's contribution, broadcast January 1942, to 'Science Lifts the Veil', a series of broadcast talks organised by the BBC in collaboration with the Science Committee of the British Council. Darlington's talk was introduced by Sir William Bragg.

- F.68 Correspondence, 1941-42.
- F.69 Ms. and typescript drafts; broadcast script.
- F.70 Draft of Sir William Bragg's broadcast, 5 January 1942; Darlington's script as published in London Calling; article about the 'Science Lifts The Veil' series in London Calling; Science Lifts The Veil: the broadcast talks as published for the British Council.



Lectures and broadcasts

- F.71, F.72      'The Origin of Species'  
Contribution to 'Books that Made History' series broadcast in Home Service, May 1942. See also E.109.
- F.71              Brief correspondence; ms. draft of talk.
- F.72              Typescript drafts, with ms. corrections.
- F.73              'The Future of Science'  
Contribution to a history of science series, broadcast in Eastern Service, 21 July 1942.  
Includes letter from George Orwell; typescript draft of talk; copies of script; talk as published in The Listener.
- F.74              'India in the Steel Age'  
Contribution to 'A.D. 2000' series broadcast in the Eastern Service, July 1942.  
Includes letter from George Orwell; typescript draft of talk; talk as published in The Listener.
- F.75              'Ariel in wartime'  
Talk broadcast in Home Service, 21 August 1942.  
Script only.  
  
'Research Workers'  
Ms. notes, dated August 1942, for broadcast 'not given'.
- F.76              'Answering You'  
Darlington took part in this North American Service programme in which speakers in London talked to speakers in New York, January 1943. Darlington's fellow-speakers in London were R. Watson-Watt, Janet Vaughan, J.G. Crowther and J.S. Huxley.  
Broadcast script only.  
  
'Royal Society'  
Talk broadcast April 1943.  
Includes letter and script with ms. corrections.

Lectures and broadcasts

- F.77                    'National Temperament'  
Ms. and typescript drafts of broadcast for BBC, dated 24 June 1943.
- F.78, F.79            'Plant Breeding in India'  
Talk for Eastern Service, broadcast July 1943.
- F.78                    Letter and postcard from George Orwell; ms. draft of talk.
- F.79                    Typescript drafts of script, with ms. corrections.
- F.80                    'Heredity versus Disease or Genetic Warfare'  
Talk broadcast in French service, April 1945. See F.3.  
Letter; ms. and typescript draft of talk in English; French-language version of script.
- F.81                    'Science Magazine' no.1  
Darlington took part in the first programme of this Home Service series, broadcast 5 August 1945. Other participants included J.B.S. Haldane, J.D. Bernal, E. Hindle and R. Watson-Watt.  
Letter from producer; full transcription of discussion recorded 29 July; magazine script.
- F.82                    'Science Survey'  
Typescript draft, with ms. corrections, of Darlington's talk in this programme, September 1946; newspaper review.
- F.83, F.84            'Belief and Unbelief'  
Darlington took part (with the Rev. Dr. Eric Baker) in the last of a series of discussions between those who held the Christian faith and those who did not, broadcast December 1947. See also G.70.
- F.83                    Letters from producers; ms. notes for Darlington's contribution.
- F.84                    2 typescript drafts of script with ms. corrections.

Lectures and broadcasts

- F.85- F.90      'Facing the Facts'  
Talk broadcast September 1948.
- F.85-F.87      Ms. and typescript drafts.  
3 folders.
- F.88      Talk as published in The Listener; newspaper comment re Darlington's talk, including Daily Mirror editorial.
- F.89, F.90      Correspondence arising from broadcast.
- F.89      A - L (includes BBC)
- F.90      M - V and unidentified  
  
See E.158-E.161 for related publication on 'The dead hand on discovery'.
- F.91      'The Lysenko Controversy'  
  
Darlington contributed to this Third Programme discussion, broadcast 30 November 1948. His fellow-contributors were R.A. Fisher, S.C. Harland and J.B.S. Haldane.  
  
Correspondence; opening announcement; script.  
  
Folder also includes 4pp. typescript draft 'The Work of Academician Lysenko', 12 December 1948. Possibly for BBC Russian service.  
  
See also D.94, D.95.
- F.92-F.97      'Galactic Life'  
  
Darlington's contribution to a programme on life elsewhere in the universe, broadcast on the Third Programme, July 1949. His fellow-contributor was F. Hoyle.
- F.92      Correspondence with BBC producer, F. Hoyle, translator of talk into Esperanto, etc., 1949-52.
- F.93      Ms. and typescript draft of talk with ms. note 'Discarded'.
- F.94      'Corrected copy, 5/VII/49'.
- F.95      Copy 'retyped 5 Oct 1955'.
- F.96      Script of talk by F. Hoyle on 'Continuous Creation', broadcast March 1949.
- F.97      Typescript draft of Hoyle's contribution to the programme on life in other parts of the universe.



Lectures and broadcasts

- F.98                    'The Coming of Heredity'  
Talk for Third Programme, broadcast December 1951.  
Letter from producer; typescript draft; newspaper cutting.  
See also E.191.
- F.99                    'Heredity'  
Talk for Asian Service, July 1952.  
Typescript drafts and script.
- F.100, F.101          'Genetics and Man'  
Television broadcast, 4 September 1954.  
Ms. and typescript drafts.    2 folders.
- F.102                  'Behind the News'  
Midland Home Service programme, 7 April 1955 and 26 January 1956.  
Letters from producer; notes of suggested topics for discussion.
- F.103                  'The Chemical Basis of Life'  
Third Programme series; Darlington contributed talk no.5 'On being descended from a molecule', broadcast 1 March 1957, and talk no.6 'Gene and Virus', broadcast 8 March 1957.  
Scripts only.  
See also E.279.
- F.104                  'Research'  
Third Programme series; Darlington was a panel member for a discussion on nucleic acids and the virus, broadcast 17 April 1957. The discussion was chaired by E.F. Gale and the other members of the panel were André Lwoff, F.H.C. Crick and K.M. Smith.  
Correspondence; drafts of statement on virus research prepared by Darlington in advance; broadcast script.
- F.105                  'The Conflict of Science and Society'  
Talk for BBC Manchester, 13 May 1958.  
Ms. notes; synopsis.

Lectures and broadcasts

- F.106            'Darwin's Experiments with Plants'  
Talk for BBC German Service, broadcast 1 July 1958.  
'1st draft' and 'Finally corrected 2nd draft'.
- F.107-F.110    'Evolution in Action'  
Third Programme series; Darlington contributed talk no.4 'The Natural History of Man', broadcast 12 July 1958.
- F.107-F.109    Ms. and typescript drafts.  
3 folders.
- F.110           Broadcast script; talk as published in The Listener; letters to The Listener re Darlington's talk.
- F.111           'Why people are different'  
Talk at St. Andrew's Hall, 31 August 1961, and shown on closed circuit television to the British Association and the general public.  
Ms. and typescript notes and script.
- F.112           'Artificial Insemination by Donor'  
Talk for BBC radio's 'Woman's Hour' programme, broadcast ?September 1962. Brief correspondence only.  
  
'Science and Society in the Thirties'  
Darlington contributed his recollections to this Third Programme broadcast, 10 December 1965.  
Correspondence and script.
- F.113           'Recollections of J.B.S. Haldane'  
Typescript draft of recollections broadcast by BBC, February 1966.  
Folder also includes request for article on Haldane in respect of Haldane celebrations in India, March 1966.
- F.114           Proposed programme on 'race problems, seen from the scientific and especially from the genetical standpoint' for ORTF.  
Correspondence, 1970; ms. notes in English and French, some of which may relate to an earlier (1963) BBC programme.

Lectures and broadcasts

- F.115                      Miscellaneous notes for broadcasts, various dates, 1959-72.
- F.116                      Miscellaneous notes for broadcasts, 1978.
- 
- F.117-F.119              Correspondence with BBC, 1943, various dates 1965-78.
- F.117                      1943  
Includes letter from Darlington to the British Association for the Advancement of Science re BBC science broadcasts.
- F.118                      1965, 1967, 1969-70  
1969-70 correspondence relates to proposed BBC television programme on Darlington's book The Evolution of Man and Society.
- F.119                      1971, 1973-74, 1978  
1978 correspondence relates to proposed discussion programme re Darlington's book Little Universe of Man .  
See also E.638.
- 
- F.120                      Brief correspondence with Thames Television, 1972-73.



SECTION G      SOCIETIES AND ORGANISATIONS G.1 - G.110

INTRODUCTION TO SECTION G

The material is presented in an alphabetical sequence and covers both British and overseas organisations.

Many entries are relatively trivial and deal with membership, invitations to meetings and the like but there is interesting material, under British Empire Cancer Campaign, re Darlington's inspection of the Strangeways Research Laboratory and substantial folders relating to the Genetical Society, including Heredity, the journal founded by Darlington and transferred to the Society in 1970, and to the Royal Society.

For Darlington's honours and awards, see G.1, G.2, G.9, G.66, G.67, G.73, G.74, G.75-G.81, G.103.

LIST OF CONTENTS

|  |            |
|--|------------|
| ACADEMIE D'AGRICULTURE DE FRANCE   | G.1        |
| ACCADEMIA NAZIONALE DEI LINCEI   | G.2        |
| AGRICULTURAL RESEARCH COUNCIL  | G.3-G.8    |
| AMNESTY INTERNATIONAL  | G.9        |
| ANTI SLAVERY SOCIETY   | G.9        |
| ASSOCIATION FOR THE STUDY OF SYSTEMATICS IN RELATION<br>TO GENERAL BIOLOGY | G.9        |
| ASSOCIATION OF SCIENTIFIC WORKERS  | G.9        |
| ATHENAEUM  | G.9        |
| BOTANICAL SOCIETY OF AMERICA   | G.9        |
| BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE                         | G.10, G.11 |
| BRITISH COUNCIL  | G.12       |
| BRITISH EMPIRE CANCER CAMPAIGN   | G.13-G.16  |
| BRITISH HUMANIST ASSOCIATION   | G.17       |
| COLONIAL OFFICE  | G.17       |
| COMMONWEALTH PLANT BREEDERS  | G.17       |
| CONGRES POUR LA LIBERTE DE LA CULTURE                                      | G.17       |
| CONTROL COMMISSION FOR GERMANY - RESEARCH BRANCH                           | G.17       |
| DEUTSCHE AKADEMIE DER WISSENSCHAFTEN ZU BERLIN                             | G.17       |

Societies and organisations

|  |             |
|--|-------------|
| EUGENICS SOCIETY   | G.18        |
| FORESTRY COMMISSION  | G.18        |
| FUNDACAO GETULIO VARGAS  | G.18        |
| GENETICAL SOCIETY  | G.19-G.65   |
| GENETICS SOCIETY OF JAPAN  | G.66        |
| INDIAN BOTANICAL SOCIETY   | G.66        |
| INDIAN SOCIETY OF GENETICS   | G.66        |
| LINNEAN SOCIETY OF LONDON  | G.67        |
| P.E.N.   | G.67        |
| RADIOLOGICAL PROTECTION SERVICE                                      | G.68        |
| RATIONALIST PRESS ASSOCIATION LIMITED                                | G.69-G.72   |
| ROYAL AGRI-HORTICULTURAL SOCIETY OF INDIA                            | G.73        |
| ROYAL ANTHROPOLOGICAL INSTITUTE                                      | G.73        |
| ROYAL DANISH ACADEMY OF SCIENCES                                     | G.74        |
| ROYAL INSTITUTION OF GREAT BRITAIN                                   | G.74        |
| ROYAL SOCIETY  | G.75-G.102  |
| SOCIETE BELGE DE BIOLOGIE  | G.103       |
| SOCIETY FOR EXPERIMENTAL BIOLOGY                                     | G.103       |
| SOCIETY FOR FREEDOM IN SCIENCE / COMMITTEE ON<br>SCIENCE AND FREEDOM | G.104       |
| SOCIETY FOR VISITING SCIENTISTS                                      | G.105       |
| SOCIETY OF GENERAL MICROBIOLOGY                                      | G.105       |
| TOTS AND QUOTS   | G.106-G.110 |

Societies and organisations

- G.1                    ACADEMIE D'AGRICULTURE DE FRANCE                    1949, 1964-67, 1978-80  
Darlington was elected 'Correspondant Etranger' in 1949.  
Later correspondence is about invitations to annual meetings.
- G.2                    ACCADEMIA NAZIONALE DEI LINCEI                    1951-52, 1961, 1967  
Darlington was elected to the Academy in 1951.
- G.3-G.8              AGRICULTURAL RESEARCH COUNCIL                    1931, 1933, 1943-44,  
1948, 1950-51, 1953
- G.3                    ARC charter 1931, supplemental charter 1933, list of council members,  
July 1948.
- G.4                    'Planning Agricultural Research' [?1950]  
Ms. and typescript draft of a paper by Darlington.
- G.5                    Report to the ARC by Darlington on his visit to the United States  
in September 1950. See also H.84.  
  
Report on visit to West Germany and Switzerland, 20 July-16 August 1951.  
  
Report on Genetics Congress and visit to Yugoslavia, 19 September 1953.  
  
1p. ms. note on planning agricultural research, n.d.
- G.6-G.8              Agricultural Improvement Council/Agricultural Research  
Council Joint Sub-Committee                    1943-44

The AIC and ARC undertook a review of agricultural research in Britain. Darlington was a member of a small survey party on plant breeding.

- G.6                    Statements of the purpose and procedure of the survey, 24 November 1943.  
  
Note for plant breeding survey party from its chairman, F.L. Engledow,  
24 January 1944.  
  
Note on forest tree breeding, 28 January 1944, with brief related  
correspondence and press-cutting.



## Societies and organisations

- |     |  |            |
|-----|--|------------|
| G.7 | 'Insertion in the PBSP Report', 5 February 1944.   |            |
|     | 'Notes and Suggestions on Draft Report P.B.S.P.', 3 March 1944.  |            |
|     | Note on the seed trade, 1 June 1944.   |            |
|     | 'Report of the Plant Breeding Survey Party', September 1944.   |            |
|     | 1p. insertion and amendment for survey report, 20 October 1944.  |            |
| G.8 | 'Memorandum on Genetics and Plant and Animal Breeding', n.d.   |            |
|     | 'Suggested draft for summary of report', n.d.  |            |
|     | Ms. notes <u>re</u> work of survey party.  |            |
|     | Reprint of article by Darlington on production genetics in Sweden.   |            |
| G.9 | AMNESTY INTERNATIONAL  | 1977-78    |
|     | Subscription (only).   |            |
|     | ANTI SLAVERY SOCIETY   | 1977-78    |
|     | Subscription (only).   |            |
|     | ASSOCIATION FOR THE STUDY OF SYSTEMATICS<br>IN RELATION TO GENERAL BIOLOGY   | 1937-41    |
|     | Prospectus, annual reports and note by Darlington on plant and animal systematics for discussion with Linnean, 10 July 1941. |            |
|     | ASSOCIATION OF SCIENTIFIC WORKERS  | 1950       |
|     | Cancellation of subscription / Russian geneticists.  |            |
|     | ATHENAEUM  | 1949, 1969 |
|     | Entrance fee, resignation.   |            |
|     | BOTANICAL SOCIETY OF AMERICA   | 1948       |
|     | Election as Corresponding Member.  |            |

|            |  |                                       |
|------------|--|---------------------------------------|
| G.10, G.11 | BRITISH ASSOCIATION FOR THE ADVANCEMENT<br>OF SCIENCE  | 1931, 1936-38, 1944-45,<br>1953, 1970 |
|            | See also A.172, F.111, F.117, H.86-H.88  |                                       |
| G.10       | 1931   |                                       |
|            | Centenary celebrations.  |                                       |
|            | 1936-37  |                                       |
|            | Organisation of contributions on genetics and cytology for B.A.<br>conference; also news of 7th International Congress of Genetics and<br>Russian geneticists.   |                                       |
|            | 1938   |                                       |
|            | Life membership  |                                       |
| G.11       | 1944-45  |                                       |
|            | Proposal for a British Association Year Book of Science.   |                                       |
|            | 1953   |                                       |
|            | Genetics at the Association's annual meeting.  |                                       |
|            | 1970   |                                       |
|            | Finances.  |                                       |
| G.12       | BRITISH COUNCIL  | 1947, 1971                            |
|            | Darlington became a member of the Council in 1947.   |                                       |
| G.13-G.16  | BRITISH EMPIRE CANCER CAMPAIGN   | 1940-44                               |
|            | The material principally relates to Darlington's inspection of research<br>at the Strangeways Research Laboratory, Cambridge.  |                                       |
| G.13       | Invitation to undertake inspection and correspondence re arrangements<br>for visit and Darlington's report, May-July, October 1940; 'Report<br>on Strangeways Laboratory', 23 July 1940 (1p. typescript), and<br>'Third Report By Dr. C.C. Darlington' (5pp. typescript) (2 copies). |                                       |
| G.14       | Correspondence and typescript notes (found with the preceding) re<br>research problem submitted to Darlington for advice, August, September<br>1940, August 1941.  |                                       |

Societies and organisations

- G.15                      Typescript copies of letters and memoranda re Darlington's report sent to the Secretary of the British Empire Cancer Campaign by the Chairman of the Cambridge Branch Council, March 1941.
- G.16                      Continuing correspondence re Darlington's report, 1941-44.
- G.17                      BRITISH HUMANIST ASSOCIATION                      1965, 1969, 1976  
Darlington was a member of the BHA Advisory Council.
- COLONIAL OFFICE                      1948  
Membership of committee for colonial agricultural, animal health and forestry research, 1945-48.
- COMMONWEALTH PLANT BREEDERS                      1948  
Proceedings of meeting, Cambridge, 24-25 June.
- CONGRES POUR LA LIBERTE DE LA CULTURE                      1953  
Invitation to Darlington to chair international committee.
- CONTROL COMMISSION FOR GERMANY -  
RESEARCH BRANCH                      1948-49  
Correspondence re political behaviour of scientists under the Third Reich.
- DEUTSCHE AKADEMIE DER WISSENSCHAFTEN  
ZU BERLIN                      1950  
Invitation to jubilee celebrations, 10-14 July.



Societies and organisations

|      |                  |  |
|------|------------------|--|
| G.18 | EUGENICS SOCIETY | 1927, 1933, 1948, 1950,<br>1953, 1956-58, 1960+62,<br>1967, 1976, 1978 |
|------|------------------|--|

Miscellaneous correspondence re affairs of the society;  
also statement of objectives (revised 1950), annual report 1956-57,  
programme of symposium on genetic and environmental influences  
on behaviour, 28-29 September 1967.

1953 correspondence relates to invitation for Darlington to give  
1954 Galton lecture.

|                     |      |
|---------------------|------|
| FORESTRY COMMISSION | 1946 |
|---------------------|------|

Sub-committee on the potentialities of forest tree breeding and  
genetics for British forestry.

|                         |      |
|-------------------------|------|
| FUNDAÇÃO GETULIO VARGAS | 1946 |
|-------------------------|------|

Brief correspondence only.

|           |                   |
|-----------|-------------------|
| G.19-G.65 | GENETICAL SOCIETY |
|-----------|-------------------|

|           |                |
|-----------|----------------|
| G.19-G.23 | <u>General</u> |
|-----------|----------------|

|      |  |  |  |
|------|--|--|--|
| G.19 | List of original members, programmes of meetings, visits, etc., various<br>dates, 1919-37 (photocopies). |  |  |
|------|--|--|--|

|           |   |  |  |
|-----------|---|--|--|
| G.20-G.23 | General correspondence on the affairs of the society. |  |  |
|-----------|---|--|--|

|      |               |      |         |
|------|---------------|------|---------|
| G.20 | 1932, 1937-38 | G.22 | 1964-68 |
|------|---------------|------|---------|

|      |               |      |               |
|------|---------------|------|---------------|
| G.21 | 1943-46, 1948 | G.23 | 1969-72, 1976 |
|------|---------------|------|---------------|

|           |                 |
|-----------|-----------------|
| G.24-G.65 | <u>Heredity</u> |
|-----------|-----------------|

Heredity: An International Journal of Genetics was founded in 1947 by Darlington and  
R.A. Fisher, with the intention, according to the prospectus, of introducing genetics to a  
wider audience 'indeed to the whole world of Biology since the whole world of Biology needs  
it'. It was published by Oliver & Boyd and appeared three times a year, with articles in  
the fields of 'experimental breeding, cytology, statistical and biochemical genetics and  
evolutionary theory. New research, history, review and criticism are accepted'. (G.32).

Continued

Societies and organisations

(Cont'd.)

In justifying a new journal to the publisher Darlington referred to the expected revival of genetics with the end of the war, the demise of three important German and Japanese journals in the field and the 'traditional policy' of the Journal of Genetics 'of keeping within the narrow limits established thirty years ago, which both Professor Fisher and I regard as dangerously restrictive' (G.28). Darlington's 1970 note for the archives of Heredity (G.53) details the difficulties he experienced in getting his papers published in the 1930s and 1940s, which encouraged him to found the new journal. See also the memoir by D. Lewis (Biographical Memoirs of Fellows of the Royal Society, 29, 145).

For the first ten years all the editing and book reviews were the responsibility of Darlington; Fisher contented himself with publishing the papers of his department in the journal. Subsequently, while Darlington continued to handle the reviews, a succession of colleagues undertook editorial responsibilities: K. Mather, 1957-64, K.R. Lewis, 1965-67, and J.L. Jinks, 1967-70. In 1962 on the death of R.A. Fisher, Darlington became the sole owner of Heredity. The journal's connection with the Genetical Society was always strong and it had from its foundation carried abstracts of papers presented at the society's conferences. It was therefore a logical step for Darlington to transfer ownership of the journal to the society in 1970. As his memorialist notes, all Darlington asked in return for this profitable gift was to receive copies of each part and supplement during his lifetime (Biographical Memoirs of Fellows of the Royal Society, 29, 145).

For an example of Darlington's editorial work, see the heavily-corrected paper at G.41. There are drafts and copies of reviews in Section E passim.

|            |   |
|------------|---|
| G.24-G.32  | <u>Foundation of Heredity</u>   |
| G.24       | Memorandum of agreement between Darlington, R.A. Fisher and Oliver and Boyd Limited, 1947.                              |
| G.25       | Correspondence with R.A. Fisher, 1944-47.   |
| G.26, G.27 | Invitations to become collaborating editors, contribute papers to new journal, 1946-47. Arranged in alphabetical order. |
| G.26       | B - K   |
| G.27       | M - W   |

Societies and organisations

- G.28-G.31 Correspondence with Oliver and Boyd, 1946-47.
- G.28 May-September 1946  
Darlington's letter of 13 May sets out the case for a new journal of genetics.
- G.29 October-December 1946
- G.30 January-March 1947
- G.31 April-August, October 1947
- G.32 Ms. drafts, printed specimen copies of prospectus for new journal; reviews of first number of journal.
- G.33-G.40 Editorial correspondence, 1947-70
- G.33-G.35 with R.A. Fisher, 1947-56
- G.33 1947-48
- G.34 1949-52
- G.35 1954-56 and n.d.
- G.36-G.38 with K. Mather, 1949, 1956-64. See also G.60.
- G.36 1949 (one letter), 1956, 1957
- G.37 1958-60
- G.38 1961-64
- G.39, G.40 with J.L. Jinks, 1966-70
- G.39 1966-67
- G.40 1968-70
- G.41 'Concurrent Inbreeding and Selection in the Domestic Fowl'  
Example of a heavily-corrected paper for Heredity.



Societies and organisations

|           |  |
|-----------|--|
| G.42-G.56 | <u>Business Papers re Heredity</u> , 1947-70   |
| G.42-G.53 | Correspondence with Oliver and Boyd.   |
| G.42      | 1947-49  |
| G.43      | 1950-53, 1955  |
| G.44      | 1956, 1957   |
| G.45      | 1958-59<br><br>Includes memorandum prepared for Oliver and Boyd 'on the likely cost and other implications if the Journal known as "Heredity" were to be managed or owned by a company instead of as at present being the property of Dr. Cyril D. Darlington and Professor Sir Ronald A. Fisher'. |
| G.46      | 1960-62  |
| G.47      | 1963-64  |
| G.48      | 1965<br><br>Includes correspondence and papers <u>re</u> R.A. Fisher's estate.   |
| G.49      | 1966<br><br>Includes Darlington's list of ten points on the acceptance and editing of papers for <u>Heredity</u> , 31 January.   |
| G.50      | 1967-68  |
| G.51      | 1969, February-April   |
| G.52      | 1969, June-December  |
| G.53      | 1970<br><br>Includes 6pp. note by Darlington 'for the archives of <u>Heredity</u> ' on the origin and development of the journal (2 copies).   |
| G.54-G.56 | Statements of account  |
| G.54      | 1947-55  |
| G.55      | 1956-59  |
| G.56      | 1960-66  |

Societies and organisations

- G.57-G.60      Correspondence with contributors, 1947-67
- G.57      1947-49  
Includes extract from the minutes of Genetical Society meeting, 29 May 1947, re publication of the society's proceedings.
- G.58      1950-53  
Includes correspondence re publication of J.S. Huxley's Bateson Lecture given at John Innes. See B.98.
- G.59      1954-55  
Includes continuing correspondence re publication of Huxley's Bateson Lecture.
- G.60      1956, 1959-61, 1964, 1966-67  
Includes invitation (1956) for K. Mather to become an editor of Heredity.
- G.61-G.65      Transfer of Heredity to Genetical Society, 1970
- G.61-G.63      Correspondence
- G.61      D.G. Catcheside, 1968-69  
Includes discussion of the desirability of achieving a balanced representation of genetics in the journal.
- G.62      J.L. Jinks, 1969-70
- G.63      D. Lewis, 1968-70  
J.M. Thoday, 1969
- G.64, G.65      Proposals, drafts, reports of working party, etc., re transfer of Heredity and the reorganisation of the society
- G.64      1968-69
- G.65      1970 and n.d.  
Folder includes a request for Darlington to write a review for Heredity after the transfer of ownership (1978).

Societies and organisations

- G.66                      GENETICS SOCIETY OF JAPAN                      1947-48, 1956  
1947. Letter signed by Japanese geneticists desiring 'to resume as soon as possible their communications and cooperations with geneticists and cytologists abroad'.  
1956. Honorary membership.
- INDIAN BOTANICAL SOCIETY                      1937  
Honorary membership.
- INDIAN SOCIETY OF GENETICS                      1965, 1978  
1965 correspondence is re Honorary fellowship.
- G.67                      LINNEAN SOCIETY OF LONDON                      1933-34, 1947  
1933-34. Election and subscription dues.  
1947. Trail Award and Medal.
- P.E.N.                      1971  
Membership.
- G.68                      RADIOLOGICAL PROTECTION SERVICE                      1963  
Third Radiobiology Forum on Planning and Interpretation of data from Studies on Naturally Occurring High Background Areas, London, 25 June.



Societies and organisations

- |           |  |                                    |
|-----------|--|------------------------------------|
| G.69-G.72 | RATIONALIST PRESS ASSOCIATION LIMITED  | 1943, 1947-49, 1960,<br>1968, 1977 |
| G.69      | 1943<br><br>Includes correspondence and papers <u>re</u> proposal 'for the solution of the religious difficulty in schools'.   |                                    |
| G.70      | 1947-48<br><br>Darlington accepted invitation to become President of the Association from 1 January 1948.<br><br>Folder also includes correspondence <u>re</u> Darlington's broadcast in a series on 'Belief and Unbelief'. See F.83, F.84.  |                                    |
| G.71      | 1949<br><br>Material <u>re</u> editorial policy of <u>The Free Mind</u> , resignation of the editors, resignation of Darlington from Presidency of the Association, etc.<br><br>Folder also includes Darlington's preface to <u>The Story of the R.P.A.</u> (2 drafts) written for the Association's <u>fiftieth anniversary</u> (founded 1899). |                                    |
| G.72      | 1960, 1968, 1977<br><br>1960 invitation for Darlington to write article for the <u>Rationalist Annual</u> . See E.346.   |                                    |
| G.73      | ROYAL AGRI-HORTICULTURAL SOCIETY OF INDIA<br><br>Honorary membership.  | 1943                               |
|           | ROYAL ANTHROPOLOGICAL INSTITUTE<br><br>Meetings of Blood Group Committee.  | 1962-64                            |
| G.74      | ROYAL DANISH ACADEMY OF SCIENCES<br><br>Election as foreign member.  | 1951                               |
|           | ROYAL INSTITUTION OF GREAT BRITAIN   | 1932, 1958                         |

Societies and organisations

G.75-G.102 THE ROYAL SOCIETY

- G.75-G.81 Darlington's Election and Royal Medal
- G.82-G.89 Elections and awards
- G.90, G.91 Publications
- G.92-G.98 General correspondence on affairs of the Society
- G.99-G.102 Meetings and invitations

G.75-G.81 Darlington's Election and Royal Medal

Election to the Fellowship.

- G.75 Draft for Darlington's Royal Society certificate, 1938, receipts for admission fee and draft biographical account for Royal Society Green Book.
- G.76-G.78 Letters of congratulation on election to the Fellowship, 1941.
- G.76 A - K
- G.77 M - W
- G.78 First names only and unidentified.

Royal Medal

- G.79 Letters, citation, announcing award of Royal Medal to Darlington, in recognition of his distinguished contributions to cytology, 1946.
- G.80, G.81 Letters of congratulation, 1946-47.
- G.80 A - K
- G.81 M - Z and first names only.
- G.82-G.89 Elections and awards
- G.82 1935, 1943  
1935 correspondence is exchange between E.J. Russell and A.D. Hall re application on behalf of N.I. Vavilov for foreign membership of the Society.
- G.83 1945, 1947, 1948, 1950

Societies and organisations

- G.84 1951, 1953
- G.85 1954, 1955, 1958, 1959
- G.86 1961, 1962, 1965
- G.87 January-July 1966
- G.88 August-December 1966, 1967
- G.89 1969, 1971
- G.90, G.91 Publications  
Correspondence etc. re submission of papers to, and refereeing papers for Proc.Roy.Soc.
- G.90 1937, 1942  
1942 correspondence includes exchanges with D. Keilin, Chairman of Royal Society Zoology Committee.
- G.91 1945, 1950, 1953, 1957
- G.92-G.98 General correspondence on affairs of the Society
- G.92 1944, 1945, 1948  
Includes copy of a memorial to the President and Council of the Royal Society (not signed by Darlington) on the selection of the Society's next President, 4 April 1945, and drafts of a memorandum by Darlington on a science year book.
- G.93 1950-51  
Includes correspondence re invitations to Soirées and proposed science centre.
- G.94 1953-55  
Includes letter appointing Darlington Chairman of the Sectional Committee for Botany, 16 October 1953, correspondence with R.A. McCance re the value of Proc.Roy.Soc.B. and letters from K. Mather re the length of service of the Society's officers.



Societies and organisations

- G.95 Royal Society reform, 1956  
Note (by Darlington) on 'Royal Society Problems', 1 January; correspondence and papers re meeting of Oxford scientists to discuss the note, 9 March; later papers re Royal Society reform including note by H.A. Krebs.
- G.96 1958, 1960
- G.97 1962-63  
Includes correspondence and papers re Committee of Enquiry into the Organisation of Civil Science, proposed dictionary of scientific biography and the biographical memoir of R. Ruggles Gates.
- G.98 1964-65, 1967, 1977  
Includes material re Mendel centenary (1964) and biographical memoir of R.C. Punnett and encouragement of the history of science (1967).
- G.99-G.102 Royal Society meetings
- G.99 Annotated programmes, 1947-48, 1955, 1959.
- G.100 Annotated programme, 1974  
Discussion meeting on 'The Meiotic Process', 1975.  
Programme; list of those attending; ms. and typescript notes for Darlington's introductory remarks on 'Meiosis in Perspective'.
- G.101 Discussion meeting on 'The Manipulation of Genetic Systems in Plant Breeding', 1980.  
Letters from organiser, programme, ms. and typescript notes for Darlington's introductory remarks, newspaper cutting.
- G.102 Miscellaneous invitations, 1950, 1964-66.

Societies and organisations

G.103                      SOCIETE BELGE DE BIOLOGIE                      1938

Associate membership.

SOCIETY FOR EXPERIMENTAL BIOLOGY                      1939

Correspondence, etc. re the small support which the Society received from botanists.

G.104                      SOCIETY FOR FREEDOM IN SCIENCE / COMMITTEE  
   ON SCIENCE AND FREEDOM                      1953, 1962

1953 material includes Darlington's replies to questions on the equality of man.

1962 correspondence relates to founding of a new journal on the social, economic, administrative and political problems in which science and scholarship had become involved.

G.105                      SOCIETY FOR VISITING SCIENTISTS                      1950

Discussion meeting on 'The Planning of Agricultural Research in Great Britain'.

Correspondence, ms. notes of Darlington's contribution, duplicated notes of discussion meeting.

SOCIETY OF GENERAL MICROBIOLOGY                      1946

Invitation to attend symposium.

Societies and organisations

G.106-G.110      TOTS AND QUOTS      Various dates 1940-46

Tots and Quots was a society of scientists (including Darlington, J.B.S. Haldane and S. Zuckerman) concerned that the press should carry informed articles about science. The scientists apparently met over dinner [ca. 1940-45] and were responsible for Science in War (Penguin Books, 1940) and for a variety of articles in the national press.

G.106, G.107      Correspondence

G.106      June-September 1940

Includes draft article by J.B.S. Haldane for Science in War and notes of Tots and Quots meeting, 28 September.

G.107      October, November 1940, and various dates 1941-46.

G.108-G.110      Articles

List of topics and ms. and typescript drafts of short articles on scientific topics, corrections for second edition of Science and War, etc. Not all the articles are by Darlington.

3 folders.



Visits and conferences

- H.1 V. Internationaler Kongress für Vererbungswissenschaft, Berlin, 11-17 September 1927.  
Published proceedings; note by J.B.S. Haldane; signed menu cards, etc.
- H.2 Conference on Polyploidy, John Innes Horticultural Institution, 19 January 1929, to commemorate the centenary of the birth of the founder.  
Reprint of conference papers; typescript of Darlington's paper on 'The significance of chromosome behaviour in polyploids for the theory of meiosis'.

H.3-H.40 Visit to Persia, February-July 1929

Darlington visited Persia with J.M. Cowan of the Royal Botanic Gardens, Kew, to collect seeds of Prunus species and bulbs of Tulipa species. The visit was of great importance for his chromosome studies and for the contact it brought with different peoples and their languages, customs, behaviour and religions which played its part in stimulating his later interest in man and society. Darlington left England on 22 February travelling by sea to Port Said and then overland by way of Palestine, Syria and Iraq to Persia. He returned to England via Russia. N.I. Vavilov assisted in obtaining a visa for the Russian visit.  
See also A.24, A.176-A.182.

H.3-H.10 Correspondence

- H.3 1928  
Includes undated letter [? from A.D. Hall] applying to the Empire Marketing Board for a grant in aid to the John Innes Horticultural Institution to send Darlington 'to Iraq and the confines of Persia'; also includes letters to Hall from the Agricultural Inspectorate, Iraq, and the Director of the Royal Botanic Gardens, Kew, and letter from N.I. Vavilov to Darlington re Russian visa.
- H.4 1929, January, February  
Correspondence re arrangements for visit, including continuing correspondence with Vavilov re Russian visa and exchange of letters with Vita Nicolson.

Visits and conferences

- H.5                    1929, March  
Includes correspondence between Darlington in Egypt, Iraq and Persia, and the John Innes Institution; also letter from Vavilov re Russian visa.
- H.6                    1929, April, May  
Correspondence between Darlington in Persia and the John Innes Institution; also letter from Vavilov re Russian visit.
- H.7                    1929, June, July  
Continuing correspondence between Darlington (and Darlington's father) and the John Innes Institution.
- H.8                    1929, August-December  
Correspondence arising from Persian visit.
- H.9                    1930-33  
Correspondence arising, including account of earthquake devastation at Salmas, draft newspaper article based on interview given by Darlington and list of the bulbs from the Cowan-Darlington expedition flowered at Kew.
- H.10                   1965  
Correspondence re quince seed obtained by Darlington in Russia in 1929.
- H.11                   Ms. notes made by Darlington during Persian visit. Includes 'Material for Report on Visit to Persia - Feby. to July 1929'.
- H.12                   Accounts of expenditure, invoices, hotel bills, etc. for Persian visit.
- H.13-H.15            3 Account books for Persian visit.
- H.16, H.17           Travel documentation
- H.16                   Includes application for Russian visa, certificate of inoculation against the plague and vaccination against smallpox, and 'Hints to Business Travellers in Persia' (2pp. duplicated typescript).
- H.17                   Includes letter of introduction from British Legation at Teheran to the Governor-General of Azerbaijan and permit to leave Tabriz.

Visits and conferences

- H.18 Persian driver's licences and book of motor vehicle regulations.
- H.19 Persian Self-Taught, with Darlington's ms. notes.
- H.20 'Wellcome' Photographic Exposure Calculator, Handbook and Diary.  
Contains Darlington's record of photographs taken on Persian visit.

H.21-H.38 Photographic negatives and prints

Many of the prints are dated and identified by Darlington. The original envelopes have been retained.

- H.21 'Persia 1929 Negatives'
- H.22 'Mr Darlington's films' - Negatives.
- H.23 Miscellaneous photographs taken on Persian visit, with covering letter from their developer and printer at the John Innes Institution.
- H.24 'Better Persian Photos' (1).
- H.25 'Better Persian Photos' (2).
- H.26 'Better small photos'.
- H.27 'Best Persian Photos'.
- H.28 'Best'.
- H.29 'PERSIA / 2nd and 3rd rate photos'.
- H.30 'Enlarged Persian Photos'.
- H.31 'Persia 1929 Enlarged Photos'.
- H.32 'Agric. and Botanical Photos (Persia)'.
- H.33 'Persian Pictures, Books etc.'
- H.34 'Portraits'.
- H.35 'Soukhoum P.B. Station July 1929' [Russia].
- H.36 Miscellaneous photographs taken on Persian expedition including Egypt, Jerusalem, Baghdad and Yugoslavia.
- H.37 Miscellaneous photographs taken on Persian expedition (Persia).
- H.38 Miscellaneous photographs taken on Persian expedition (Persia).



Visits and conferences

- H.39            'Flowers from Bethlehem'  
Dried flowers on card.
- H.40            Press-cuttings on Persia and the expedition, 1930.
- H.41-H.44      Fifth International Botanical Congress, Cambridge, 16-23 August 1930.
- H.41            Correspondence re arrangements for Cytology and Genetics Section,  
1928-29.
- H.42            Continuing correspondence re arrangements, 1930.
- H.43            Reprint of Darlington's contribution to Congress; typescript and reprint  
of Vavilov's contribution (on the Linnean Species as a System).
- H.44            Programme; invitation card; table plan for dinner at Trinity College,  
Cambridge.

H.45-H.50      Visit to USA, Japan and India, 1932-33

Darlington was awarded a Rockefeller Fellowship in Cytology for study in the USA for 12 months from 1 June 1932. During the tenure of his Fellowship, Darlington visited Woods Hole, Massachusetts, the Universities of Michigan and Wisconsin, Berkeley, Stanford and Cal Tech. He also attended the Sixth International Congress of Genetics at Cornell, 24-31 August 1932. Although the original Fellowship provided for study in the USA only, Darlington was allowed to change his place of study to the Imperial University of Kyoto for an unexpired period of the Fellowship. In his report to the Rockefeller Foundation Darlington also mentioned a visit to Coimbatore, India.

See also A.26, A.66, A.67, A.184-A.190.

- H.45            Letters of recommendation from A.D. Hall and J.B.S. Haldane and  
letter from Rockefeller Foundation confirming Darlington's Fellowship,  
1931.
- H.46            Darlington's correspondence with Rockefeller Foundation and colleagues  
in America and at the John Innes, 1932-33.
- H.47            Ms. drafts of reports to Rockefeller Foundation.

Visits and conferences

- H.48                    Programme of Sixth International Congress of Genetics.  
Darlington chaired a session on chromosome structure and crossing-over.
- H.49                    Proceedings of the Association of Economic Biologists, Coimbatore, 1930-33.  
Includes abstract of Darlington's lecture on chromosomes and plant breeding, 13 August 1933.
- H.50                    Memorabilia of transatlantic crossing, theatre, 1932 election, etc.  
Theatre programmes include Theatre Unit production of Lysistrata, West Falmouth, Massachusetts, with James Stewart and Joshua Logan in the cast, and Pasadena Community Playhouse production of Hamlet with Lee J. Cobb as Horatio and Darlington as Voltimand.  
See also A.187.
- H.51                    Visit to Russia, 1934  
Invitation to lecture in Leningrad during Russian visit; calling cards of Russian scientists. See E.53.
- H.52                    Sixth International Botanical Congress, Amsterdam, 1935.  
Ms. notes for talk; invitation card; menu card inscribed to N.I. Vavilov 'with red greetings to Red Russia from your friends' and signed by Darlington et al; ms. of latin poem; 'A short illustrated history of botany in the Netherlands' being a special supplement of Chronica Botanica.
- H.53                    'Indian Science Congress, [? 1937]'.  
Abstract of talk on the integration of species; letter from A.D. Hall granting Darlington leave of absence from the John Innes; letter arising from Indian visit.
- H.54-H.56            Rockefeller Conference, Klampenborg, Denmark [April 1935].  
Ms. and typescript notes and drafts of contributions to the conference. The scientists represented include Darlington, J.D. Bernal, N.W. Timoféeff-Ressovsky and C.H. Waddington. See also E.681, J.220.  
3 folders.

Visits and conferences

- H.57-H.61      Seventh International Congress of Genetics, Edinburgh, 23-30 August 1939.

This Congress was originally planned to be held in Moscow, August 1937, and Darlington was invited by the Exhibition Committee to take responsibility for the section 'Chromosome structure and the mechanism of meiosis'. It proved impracticable to hold the Congress in Moscow in 1937 but the Russian government gave permission for the Congress to be held there in 1938. The question of the location of the Congress was reconsidered by the International Committee of Genetics Congresses and Edinburgh decided upon. Russian scientists were unable to attend the Congress in Edinburgh.

See correspondence with P.C. Koller and O.L. Mohr in Section J.

- H.57      Correspondence re arrangements for Moscow Congress, 1936.
- H.58      Correspondence re postponement of Congress, 1937.
- H.59      Correspondence re arrangements for Edinburgh Congress, 1938.
- H.60      Continuing correspondence re arrangements for Edinburgh Congress, 1939. Includes list of German participants.
- H.61      Programme of 1939 Congress; two reprints from Nature of Congress proceedings.
- 
- H.62-H.64      Visit to Sweden, December 1942. See also J.27.
- H.62      Correspondence, 1942-43.
- H.63      Itinerary; hotel bill; 'a little ballad' celebrating Darlington's visit to the Mendelian Society, Lund; press-cuttings; photograph.
- H.64      Diary; ms. and typescript notes on Sweden in wartime, including political attitudes; ms. and typescript notes for lecture on 'X-Rays, Chromosome Breakage and the Nucleic Acid Cycle' and 'Darwinism Today'.



Visits and conferences

- H.65 'Planning of Science', Caxton Hall, Westminster, 30-31 January 1943.  
Conference organised by the Association of Scientific Workers.  
Darlington summed up the conference and his remarks were broadcast by the BBC.  
Programme; letter from organiser; ms. and typescript draft of Darlington's remarks.
- H.66 'Science and the Citizen: the Public Understanding of Science', 20-21 March 1943.  
Conference organised by the British Association for the Advancement of Science. Darlington contributed to a session on 'Radio and Cinema'.  
Programme; ms. notes by Darlington; typescript noties on the part played by Soviet Radio in the dissemination of scientific knowledge by 'P.Y.'; published proceedings of session on 'Radio and Cinema'.
- H.67-H.71 International Genetics Conference, London, 31 October-2 November 1945.  
The conference was organised by the Genetical Society in collaboration with the British Council.
- H.67 Correspondence, 1944-45, re possibility of holding Eighth International Genetics Congress in Sweden in 1946.
- H.68 Correspondence with Belgian, Dutch, French, Russian and Scandinavian scientists re arrangements for London conference, wartime and immediate postwar conditions.
- H.69 Programmes; notices; typescript account of conference; reprint from Nature; press-cuttings.
- H.70 Typescript draft of talk by M.J. Sirks on the 'conditions under which we lived and worked in the Netherlands during the last five hard years, especially in our Universities'; letter from editor of Nature who felt that no useful purpose would be served by publishing it.
- H.71 Heredity, Vol. I, Part I, July 1947  
Includes abstracts on genetic research in Britain, 1939-45, prepared for 1945 London conference.

Visits and conferences

- H.72, H.73 Visit to Portugal, April-May 1947.
- H.72 Itineraries; invitation to lecture; press-cutting, etc.
- H.73 Biographical note and summary of lecture on Darwinism. In Portuguese.  
Notes for three lectures on chromosomes. In French.
- H.74 Visit to France, May 1947.  
Invitation card for lecture by Darlington on 'Le mécanisme de l'hérédité'; ms. note; correspondence re publication of lecture on 'nucleic acid and the chromosomes'. See E.137.
- H.75, H.76 Eighth International Congress of Genetics, Stockholm, 7-14 July 1948.
- H.75 Copy letter from B. Ephrussi to G. Dahlberg re presidency of International Congress, 17 October 1946; abstract of Darlington's contribution on 'the differentiation of genetic notions and methods'.
- H.76 Programme; table plan and guest list; newspaper cutting, etc.
- H.77 Invitation for 1949  
European Cultural Conference, Lausanne, 8-12 December.
- H.78-H.82 Seventh International Botanical Congress, Stockholm, 6-11 July 1950. See also D.104, F.14.
- H.78 Brief correspondence, 1950-51.
- H.79 'The study of the cell in the understanding of life'  
Darlington's Presidential Address to the Cytology Section.  
44pp. typescript draft, summary and bibliography.
- H.80 Discarded draft for Congress address.
- H.81 Material re Congress excursions.
- H.82 2 drafts of Darlington's report on visit to Botanical Congress and to Research Stations in Sweden and Finland; also 5pp. draft 'Botanic Congress (Russians)' re Russian delegation and the questioning of its head, Glushchenko, by Darlington and others. See also D.104.

Visits and conferences

H.83, H.84      Visit to USA, September 1950.

Darlington attended the Seventh International Congress of the International Society for Cell Biology at Yale and the annual meeting of the American Genetical Society at Columbus, Ohio.

H.83              Brief correspondence, 1948, 1950.

Jotter used by Darlington during American visit; programme of Cell Biology Congress, annotated by Darlington.

H.84              Ms. drafts of lecture on history of genetics, given at Columbus.

Report on visit to America for Agricultural Research Council (6pp. typescript). Another copy is at G.5.

H.85              Conference on the Biological Hazards of Atomic Energy, Royal Institution, 20-21 October 1950.

The conference was organised by the Institute of Biology and the Atomic Scientists' Association with the support of the British Association.

Darlington presented a paper on 'The cell and heredity under ionisation'.  
Conference programme only.

Symposium on Chromosome Breakage, 9-10 June 1952.

Ms. and typescript drafts of Darlington's introductory remarks.

'M.R.C. Conference on Genetics', 23 September 1953.

Darlington's typescript notes (10pp., including bibliography).

H.86-H.88      Symposium on genetics, Oxford, September 1954.

The symposium formed part of the annual British Association meeting.

H.86              Duplicated typescript press-summary on the expansion of genetics; Darlington's typescript draft, with ms. corrections.

H.87              Draft for Darlington's BBC talk on genetics at the British Association; drafts of note for Eugenics Review on the impact of genetics; related correspondence.

H.88              Press-cutting; reprints from Discovery and Nature re genetics at the British Association meeting.



Visits and conferences

- H.89                      Committee on Science and Freedom Study Group, Paris, 29 August-1 September 1956.
- Darlington gave a paper on freedom and responsibility in academic life.
- Conference agenda; reprint from Manchester Guardian of article by E. Shils on the conference; reprint from Bulletin of the Atomic Scientists of article by Darlington based on his conference paper. See E.278.
- Folder also includes copy of telegram (addressed to G. Polanyi) received from Szeged University, Hungary, 3 November 1956; Committee of Science and Freedom Statement on Hungary, with ms. note by Darlington of what happened when it was taken to the Soviet Embassy and the Hungarian Legation, 4 December 1956; telegram re appointment of Neo-Nazi Minister of Education in Lower Saxony.
- H.90-H.92                13th Annual Symposium on Fundamental Cancer Research, Houston, 26-28 February 1959.
- Darlington presented a paper on plasmagene theory and cancer genesis.
- H.90                      Ms. notes for paper; letter of thanks; brief correspondence re publication; typescript drafts of R. Guthrie's 'Comment and question' put to Darlington and Darlington's ms. reply (relate to O. Warburg's contribution to the genetics of cancer), etc.
- H.91                      Programme and abstracts of papers; The University of Texas M.D. Anderson Hospital and Tumor Institute Newsletter, May 1959.
- H.92                      Other invitations received by Darlington in connection with American visit.
- H.93                      Mattingley Symposium, 21 January 1960.
- Ms. notes on evolution of viruses.
- Inauguration ceremony, Kwame Nkrumah University of Science and Technology, Kumasi, 26 November 1961.
- One letter and enclosure only.
- H.94                      Invitation for 1962.
- Sixth International Congress of Genealogy and Heraldry, Edinburgh, September.

Visits and conferences

H.95-H.102      Visit to South and East Africa, June-July 1963.

Darlington visited Johannesburg and Pretoria and made tours to 'S.W. Africa, Transkei and Northern Transvaal [Bantu] Homelands'. He lectured in Pretoria on genetics and the origin of society, 22 July. He broke his return journey to spend a few days in Kenya. He accumulated much material which he later used for his book The Evolution of Man and Society.

H.95              Correspondence re arrangements for South African visit, March, May 1963.

H.96              Continuing correspondence re arrangements, June-July 1963.

H.97              Correspondence re visit to East Africa, May-June 1963.

H.98              Correspondence arising from visit to Africa, July-November 1963, 1964.  
Includes exchange with Editor of The Humanist re exhibits on evolution in the Transvaal Museum to which the South African Minister of Education had taken exception.

H.99              Itinerary, 2-5 July, and background information re visit to 'Northern Bantu Areas: Okavango and Ovamboland'.

H.100             Notebook used by Darlington during his African visit.

H.101             Ms. notes for lectures on genetics and the origin of society, and chromosomes and man.

H.102             Notes on Africa used by Darlington for his book The Evolution of Man and Society, including material for lecture on 'South Africa: Plants Animals and People', dated 26 November 1963.

H.103, H.104    XIth International Congress of Genetics, The Hague, 2-10 September 1963.

H.103             Programme annotated by Darlington.

H.104             Lists of participants.



Visits and conferences

- H.105-H.109      Proposed NATO Study Institute on Genetic Problems in the Evolution of Man and Society, 1-12 April 1964.

Darlington submitted to the NATO Science Division an application for funds to support the Symposium on the Evolution of Man and Society, 15 May 1963. On 25 June 1963 he wrote to those provisionally invited to the symposium that after five weeks' discussion he had to withdraw the application since it appeared, contrary to what he had been led to suppose, that the scope of his proposal was too wide and the cost too great for their scheme.

- H.105              Outline programme; lists of possible contributors; copy of Darlington's letter of 25 June 1963.

- H.106              Correspondence with NATO Science Division, Rockefeller Foundation, etc. re symposium arrangements.

S. Zuckerman was consulted on the appropriateness for the NATO programme of Darlington's proposal.

- H.107-H.109      Correspondence with those invited to symposium, arranged alphabetically.

- H.107              A - C

- H.108              D - L

- H.109              O - Z

- H.110-H.113      Oxford Chromosome Conference, 28-31 July 1964.

- H.110              Printed booklet with letter of invitation, statement of scope of conference, provisional programme, etc. and typescript draft of the same; conference programme with list of members and abstracts of papers; dinner menu, etc.

- H.111              Correspondence re arrangements for and correspondence arising from conference.

- H.112              Ms. and typescript drafts of Darlington's introduction to the conference, 'The chromosomes and the various ways of looking at them'.

- H.113              Correspondence re publication of proceedings; reviews of published proceedings; also reprint from Nature of article by K.R. Lewis on the conference.

- H.114              International Botanical Congress, Edinburgh, ? September 1964.  
Invitation for Darlington to give special lecture.



Visits and conferences

- H.115                      Planned visit to India, 1964-65.  
  
Darlington intended to take the opportunity of a visit to India to visit Persia where he had last been in 1929.  
  
Correspondence re arrangements with British Council and Punjab University, Chandigarh.
- H.116                      Proposed International Institute of Sociology Congress, 1964-65.  
  
Correspondence re arrangements.
- H.117                      Miscellaneous invitations, conference correspondence, 1964-65.
- H.118                      International Symposium on 'Statistics as the Method of the Social Sciences', held in honour of Corrado Gini, Rome, 13-15 March 1966.  
  
Brief correspondence re arrangements; abstract of talk on Gini's scientific work by A. James Gregor.
- H.119-H.121              Visit to USA, March-April 1967.  
  
Darlington visited, for academic and recreational purposes, Athens Georgia, Austin Texas, New Mexico, Colorado, Washington D.C. and Philadelphia.
- H.119                      Correspondence re arrangements, July-November 1966.
- H.120                      Continuing correspondence re arrangements; itinerary; letters of thanks, January-May 1967.
- H.121                      Ms. notes for lectures on Breeding and Genetics, and Meiosis and Recombination.
- H.122                      Second Oxford Chromosome Conference, 5-8 September 1967.  
  
Printed booklet with list of members, programme, abstracts, etc.; ms. and typescript notes for Darlington's introductory remarks.
- H.123                      Miscellaneous invitations, 1967.

Visits and conferences

H.124-H.130      Visit to Australia and New Zealand, January-April 1968.

Darlington attended the Christchurch meeting of the Australia and New Zealand Association for the Advancement of Science and spent two months at the Australian National University as a Visiting Fellow.

H.124              Correspondence re arrangements, 1964-67.

Includes references to Heredity.

H.125              Continuing correspondence re arrangements, news from Oxford during Darlington's absence, 1968. See also C.56.

H.126-H.128      'Chromosomes, Genetics and Man'

H.126              Programme and typescript notes for five seminars on this topic.

H.127, H.128      Ms. notes.  
2 folders

H.129              Ms. notes for lectures on 'Precocity theory of Meiosis' and 'The Chromosomes'; ms. and typescript notes for lecture: 'Is it all true: a biologist's view of education?'

H.130              Newspaper-cuttings; biographical details re Darlington.

H.131, H.132      Symposium on Virus Diseases of the Nervous System, Somerville College, Oxford, 5 and 6 July 1968.

H.131              Letter of invitation; programme, etc.

H.132              Ms. and typescript drafts of talk on 'Virus and Provirus in the Evolution of Disease'; transcript of talk; background material.

H.133              International Genetics Congress, 1968.

Correspondence, 1963, re proposal to hold this congress in Oxford in September 1968.

H.134              Miscellaneous invitations, 1968.

H.135              Miscellaneous invitations, conference correspondence, 1969.

Visits and conferences

- H.136, H.137      Symposium on 'Human Difference and Social Issues', Institute of Psychiatry, Maudsley Hospital, London, 17 and 18 August 1970.  
Participants included H.J. Eysenck, A.R. Jensen and E.T.O. Slater.
- H.136              Programme and abstracts of papers; correspondence re arrangements, 1970-71.
- H.137              Ms. and typescript drafts of Darlington's paper on 'Heredity and Environment in the Study of Intelligence'. The second draft has ms. note to the effect that the paper was never published.
- H.138              Oxford Chromosome Conference, 22-25 September 1970.  
Invitation (printed booklet); conference programme incorporating list of members, abstracts, etc., annotated by Darlington; ms. notes and typescript draft of Darlington's introductory remarks.
- H.139              Miscellaneous invitations, 1970-71.
- H.140-H.143      Visit to USA, March-April 1971.
- Darlington attended a symposium on 'The ecology of child and human development' at the University of Miami, 21-25 March. He presented a paper on 'The effects of heredity and environment in the development of human intelligence' (published in Brain and Intelligence: The Ecology of Child Development, 1973). The symposium proceedings are noted as published in 1971 in the official bibliography. Darlington also visited Georgia during his trip.
- H.140              Correspondence re arrangements for Miami symposium; programme; press-cuttings.
- H.141              Ms. notes and typescript draft for Miami paper.
- H.142              Correspondence arising from symposium, 1971-73.  
Includes correspondence re publication of proceedings, brief return visit to Miami, 1972.
- H.143              Itinerary for Georgia visit; ms. notes for lectures; correspondence re arrangements for visit; correspondence arising from visit, including publications projects.



Visits and conferences

- H.144                      Symposium on 'Study of an Isolated Population', Iceland, 2-4 May 1971.  
                                Invitation, list of participants.

- H.145-H.154            Visit to New Zealand, February-May 1972.

Darlington made a lecture tour under the auspices of the New Zealand University Grants Committee and took the opportunity of the outward sea voyage to make short stays in South Africa and Australia. From Australia he flew to New Guinea to spend a month before resuming his journey to New Zealand.

- H.145                      Correspondence re arrangements, 1970-71.
- H.146                      Correspondence re arrangements, 1971-72.
- H.147                      Letters from Oxford Botany School with news, letters forwarded to Darlington during his absence, 1972.
- H.148                      Ms. notes and typescript memorandum on visit to Papua New Guinea.
- H.149                      Jotter with notes on New Guinea.
- H.150                      Itineraries for New Zealand; ms. notes for lectures at Auckland, Dunedin and Waikato.
- H.151                      Ms. notes on Australian aboriginals, Maoris.
- H.152                      Newspaper-cuttings re Darlington in New Guinea and New Zealand.
- H.153                      Newspaper-cuttings principally re New Guinea, Australia and New Zealand.
- H.154                      Annotated reprints re Australia, New Zealand, New Guinea, Pacific Islands, etc.
- H.155-H.158            Jerusalem Chromosome Conference, 11-15 September 1972.  
                                This was the fourth in the series of International Chromosome Conferences inaugurated in Oxford by C.D. Darlington and K.R. Lewis.
- H.155                      Annoucements; correspondence re arrangements.
- H.156                      Programme; printed abstracts; participants.

Visits and conferences

- H.157 Ms. draft for Darlington's Presidential Address: 'The place of the chromosome in the genetic system'.
- H.158 Typescript draft of Darlington's address.
- H.159 'XIII. Gen. Cong. Berkeley 1973'  
Abstract only: 'Meiosis as a problem in Evolution (1932-73)'
- H.160-H.166 American Academy of Arts and Sciences Workshop on the Evolutionary Synthesis, Boston, 23-25 May 1974.
- H.160 Correspondence with organiser re arrangements; agendas and list of participants.
- H.161 Correspondence arising from workshop, editorial correspondence.
- H.162 Ms. and typescript drafts of paper on 'My approach to genetics and evolution', dated in May and June 1974.
- H.163 Miscellaneous ms. notes, including note on evolutionary synthesis, 21 February 1975.
- H.164 Replies of Darlington and E.B. Ford to questionnaire on evolutionary synthesis.
- H.165 Replies of B. Rensch, G.G. Simpson and E. Boesiger.
- H.166 Replies of G. Ledyard Stebbins and T. Dobzhansky.
- H.167-H.171 Fifth International Chromosome Conference, Leiden, 15-17 July 1974.  
Darlington accepted the Presidency of the Conference and in that capacity gave the opening address.
- H.167 Announcements of conference; correspondence re arrangements.
- H.168 Ms. notes for Presidential address.
- H.169 Typescript and printed versions of Presidential address.
- H.170 Miscellaneous notes, bibliographical references found with conference material.
- H.171 Conference abstracts.

Visits and conferences

- H.172                      Invitations for 1974.
- Symposium on 'Aspects of Education', New York, June.
- Institute of Biology Symposium on 'Speciation in Man', September.
- H.173, H.174              Symposium on 'Man and the Ocean', Japan, November 1975.
- H.173                      Brief correspondence; list of participants and programme; press-cutting, etc.
- H.174                      Notes and drafts for contribution on 'The Ocean in Man's Evolution'.
- H.175                      Invitations for 1975.
- Wesleyan University, Connecticut, Spring Term.
- XII International Botanical Congress, Leningrad.
- H.176, H.177              Chromosome Conference at Kew, 1-3 July 1976.
- Darlington gave the opening address on 'The great events in chromosome evolution'.
- H.176                      Brief correspondence; ms. notes; typescript draft of Darlington's address.
- H.177                      Programme with abstracts and list of participants.
- H.178-H.181              Helsinki Chromosome Conference, 29-31 August 1977.
- Darlington chaired a session on the past and future of chromosome research and contributed a paper on the chromosome revolution (published in Chromosomes Today, vol.6). The session was video-taped.
- H.178                      Correspondence re arrangements; programme.
- H.179                      Ms. notes for Darlington's contribution; drafts of abstract.
- H.180                      Ms. and typescript drafts of Darlington's contribution.
- H.181                      Video-tape of session on past and future chromosome research. The panel members were Darlington, A. Muntzing, T. Caspersson, A. Levan and J. Wahrman.



Visits and conferences

- H.182                      Invitation for 1978.
- XIV International Congress of Genetics, Moscow, August.
- H.183-H.186              7th International Chromosome Conference, Oxford, 26-30 August 1980.
- H.183                      Correspondence re arrangements; circulars; scientific programme.
- H.184-H.185              Ms. notes and drafts for Darlington's welcoming remarks. 2 folders.
- H.186                      Ms. and typescript drafts of Darlington's Presidential Address 'Chromosomes and Organisms: the Evolutionary Paradoxes' (published in Chromosomes Today, vol.7, 1981). See also E.651.
- H.187                      Invitations for 1980 and 1981.
- Seminar on 'Evolutionary Theory in Law and Economics', Key Biscayne, 16-18 May 1980.
- Transdisciplinary Symposium on Glossogenetics, 1981.

SECTION J                      CORRESPONDENCE J.1 - J.287

INTRODUCTION TO SECTION J

The material is presented as follows:

- |             |  |
|-------------|--|
| J.1 - J.236 | Correspondence with individuals. In alphabetical order, dated and indexed, with a brief indication of any information of particular biographical, scientific or historical interest. |
| J.237-J.244 | Shorter unindexed correspondence: exchanges of seeds, plants and specimens, reprints and publications, information and advice.   |
| J.245-J.261 | 'Lustige Blätter'  |
| J.262-J.287 | References and appointments.   |

This Section comprises letters received in Darlington's box-files of correspondence, or as loose papers. Other correspondence relating to Darlington's research, departments, publications, committees has been left with the related material elsewhere in the collection.

Although the correspondence includes letters from Darlington initiating or replying to correspondence, the majority of the letters are incoming only. However, many of them bear ms. notes by Darlington either for a reply or of comment on points of interest to him, or - most frequently - underlinings and marginal markings, in red and blue pencil. Even relatively trivial communications may be illumined by reflections or comments of this kind, most of them in the characteristically pungent Darlington style.

The 'Lustige Blätter' at J.245-J.261 is Darlington's own designation of two boxes of material and of several of the documents therein, though sometimes he used the English 'Fun Box' and the plain 'Mad'. The material is extremely disparate. As would be expected, it includes intentionally humorous or satiric articles, cartoons, parodies, etc. in the form either of reprints and press-cuttings of published work, or of ms. drafts perhaps intended for social occasions. The majority, however, are what appeared 'lustige' to Darlington, i.e. caught his fancy or made him laugh at the time. Thus, while some of the material would probably be deemed 'cranky' by most readers (secrets of the universe, cures for physical and mental ills, visionary sects, cosmologies) others are as revealing of Darlington as of the authors. In this category would come administrative ineptitudes, ill-timed or mis-directed requests for advice on careers, manuscripts or theories, writings by some of Darlington's friends or enemies which struck an amused response from him. Much of the material can indeed be paralleled elsewhere. The parodies, cartoons and jokes are similar to those at A.138 or B.15.

Correspondence

Several of the letters and accompanying material appear to differ little from, and may emanate from the same correspondents as, those in the main sequence. The difference is in Darlington's judgment of them, and they have therefore been kept as a separate chronological sequence 1923-80.

|          |  |  |
|----------|--|--|
| J.1      | Agar, U.E.   | 1937   |
|          | Alvesalo, L.   | 1977   |
|          | Oral facial genetics.  |  |
|          | Ambrose, E.J.  | 1954   |
|          | Nuclear hydration.   |  |
| J.2      | Anderson, E.G.   | 1928-35  |
|          | Tradescantia.  |  |
| J.3      | Archer, N.   | 1952   |
|          | Colour inheritance in cats.  |  |
|          | Armstrong, H.W.  | 1945   |
|          | Astbury, W.T.  | 1942, 1949   |
| J.4      | Babcock, E.B.  | 1931, 1932   |
|          | Letter of 1932 is invitation to lecture during his visit to California.  |  |
|          | Back, F.   | 1967   |
|          | 'allocycly'  |  |
|          | Baker, J.R.  | 1962, 1974   |
| J.5, J.6 | Barber, H.N.   | 1938-76  |
|          | Barber worked at the John Innes 1936-41, and later in universities in Australia and Tasmania. Darlington wrote his obituary for the Royal Society in 1972. |  |
| J.5      |  | 1938-52  |
| J.6      |  | 1958-63, 1972-76. Later correspondence is with Mrs. Barber, and re Darlington's <u>Memoir</u> , a copy of which is included. |



Correspondence

- |      |  |                           |
|------|--|---------------------------|
| J.7  | Barnard, J.  | 1934                      |
|      | Structure of chromosomes.  |                           |
|      | Bateman, A.J.  | 1966, 1968                |
|      | Mistakes in examination questions on genetics.   |                           |
|      | Bates, M.  | 1958                      |
|      | Writings on Darwin.  |                           |
| J.8  | Bauer, H. and others   | Various dates 1927-64     |
|      | Correspondence 1945-47 is re postwar difficulties in reviving <u>Chromosoma</u> , German scientists in the 1930s, etc. Also included is a message of greeting from Darlington for Bauer's 60th birthday, 1964. See also E.681. |                           |
| J.9  | Beadle, G.W.   | 1931-35, 1975-79 and n.d. |
|      | Letter of 1931 is on the death of K. Bělař (q.v.). Also included is a note by Darlington on Beadle's work for the <u>Oxford Magazine</u> , November 1958.  |                           |
| J.10 | Beal, J.M.   | 1934                      |
|      | Mainly Tradescantia.   |                           |
| J.11 | Beale, G.H.  | 1942-47                   |
|      | Letters of 1942 and 1946 describe experiences in Russia.   |                           |
| J.12 | Bělař, K.  | 1927-31, 1949             |
|      | Includes an obituary of Bělař by Darlington, 1931, and a letter from Gertrud Bělař, 1949.  |                           |
| J.13 | Bell, G.D.H.   | 1967                      |
|      | Belling, J.  | 1931, 1933                |
|      | Includes correspondence on the death of Belling, 1933, and a ms. note headed 'R.C. Cook on John Belling', dated November 1976.   |                           |
| J.14 | Berrie, G.K.   | 1968                      |
|      | Large chromosomes in liverwort.  |                           |
|      | Bisbee, R.C.   | 1939                      |
|      | Tortoiseshell cats.  |                           |
| J.15 | Blackman, V.H. and others  | 1937, 1940, 1948          |
|      | Mainly on publications.  |                           |

Correspondence

|      |  |                       |
|------|--|-----------------------|
| J.16 | Blakeslee, A.F.  | 1928-29, 1937         |
| J.17 | Bloomfield, P.<br>'Glamis Castle mystery'  | 1963                  |
| J.18 | Bonnier, G.<br>Animal Breeding Institute at Wiad.  | 1947                  |
|      | Bouffour, R.   | 1948                  |
|      | Bowles, E.M.   | 1952                  |
| J.19 | Bragg, W.L.  | 1943                  |
|      | Brat, S.V.   | Various dates 1965-75 |
|      | Bridges, C.B.,<br>Russia, Pasadena. Includes obituary notice of Bridges by<br>H.J. Muller, <u>Nature</u> , 1939.   | 1932                  |
| J.20 | Brierley, J.K.   | Various dates 1962-72 |
|      | Writings and lectures on biology teaching in schools.  |                       |
| J.21 | Bronowski, J.  | 1952                  |
|      | One letter only, on Laplace.   |                       |
|      | Brooks, F.T.   | Various dates 1932-37 |
|      | Correspondence 1937 is about Darlington's possible candidature<br>for a post at Cambridge.   |                       |
| J.22 | Brown, L.C.  | 1942                  |
|      | Parthenogenesis.   |                       |
|      | Buller, A.H.R.   | 1943                  |
|      | Burch, C.R.  | 1946                  |
|      | Phase-contrast microscopy in biological research.  |                       |
| J.23 | Burchfield, R.W.   | 1967                  |
|      | Darlington's carbon only, on cytological terms for Oxford<br>English Dictionary.   |                       |
|      | See also E.695.  |                       |
|      | Burnham, C.R.  | 1974                  |
|      | History of cytogenetics; includes Darlington's account of the<br>development of his ideas on chiasma theory before and after the<br>death of Frank Newton. Correspondence has a ms. note<br>'Important'. |                       |
|      | Burras, K.   | 1969                  |
|      | Specimens from South Africa.   |                       |

Correspondence

- |      |  |                           |
|------|--|---------------------------|
| J.24 | Burt, C.   | 1960-66                   |
| J.25 | Callan, H.G. (Mick)  | 1941-43, 1950, 1961, 1980 |
|      | Correspondence 1941-43 is from various RAF stations during Callan's war service.   |                           |
| J.26 | Carr, J.G.   | 1945                      |
|      | Feulgen reaction.  |                           |
|      | Carter, C.O.   | 1962                      |
|      | Castle, W.E.   | 1952                      |
|      | Coat-colour of thoroughbred horses.  |                           |
| J.27 | Caspersson, T.O.   | 1939-44                   |
|      | Includes reference to Darlington's visit to Sweden in 1942. See H.62 - H.64.   |                           |
| J.28 | Catcheside, D.G.   | Various dates 1930-79     |
|      | Mainly research, publications, recommendations. Later correspondence includes a little personal news and letters from Kathleen Catcheside (see <u>Memoir</u> , p.127).                                 |                           |
| J.29 | Clarke, C.A.   | 1971-72                   |
|      | Claude, A.   | 1944-45                   |
| J.30 | Cleland, R.E.  | 1929-31, 1961             |
|      | Early correspondence is on segmental interchange in <u>Oenothera</u> . Later correspondence is on Cleland's historical review of chromosome structure in <u>Oenothera</u> (see <u>Memoir</u> , p.128). |                           |
| J.31 | Coleman, A.  | 1959                      |
|      | Proposed University of Thanet.   |                           |
|      | Cook, R.C.   | 1954, 1967                |
|      | Mendel's descendants.  |                           |
|      | Coon, C.S.   | 1963                      |
|      | Cooper, K.W.   | 1945                      |
|      | Cripps, J.L.   | 1952                      |



Correspondence

- |      |   |                        |
|------|---|------------------------|
| J.32 | Dahlberg, G.  | 1951                   |
|      | Mixed eye-colour. Letter sent to G. Haskell at John Innes, but underscored by Darlington.   |                        |
|      | Dale, H.H.  | 1948                   |
|      | Science and politics.   |                        |
| J.33 | Darling, F.F.   | 1970                   |
|      | Davidson, D.  | 1979                   |
|      | Davis, B.M.   | 1929, 1931             |
|      | Letter of 1931 is recommendation for E.K. Janaki-Ammal (q.v.).  |                        |
|      | Darwin, C.G.  | 1962                   |
| J.34 | de Beer, G.R.   | 1951, 1957-58          |
|      | 1951 correspondence is on neolithic skull; later correspondence is on natural selection.  |                        |
| J.35 | Delaunay, L.N.  | 1927                   |
|      | Delbrück, M.  | 1948                   |
|      | Demerec, M.   | 1941                   |
|      | Darlington's reply only, on cancer research funding.  |                        |
| J.36 | Dennys, R.O.  | 1966-67                |
|      | Proposed genealogical study of British Prime Ministers.   |                        |
| J.37 | Dobzhansky, Th.   | Various dates 1933-64  |
|      | Correspondence 1930s is on research and news from Caltech, Pasadena (includes a letter from J. Schultz), some political comments. Correspondence 1940-42 relates to collaborative paper 'Temperature and "sex-ratio" in <u>Drosophila</u> ' (published 1942).   |                        |
| J.38 | Dodds, E.C.   | 1943, 1945             |
|      | Dodds, E.R.   | 1958                   |
|      | Cousin marriage.  |                        |
| J.39 | Driver, G.R.  | Various dates 1950s-75 |
|      | Letters and postcards, few dated, many from Magdalen where both Darlington and Driver were Fellows. Most refer to various botanical or genetic cruxes in the Bible on which Driver sought or gave information while working on the <u>New English Bible</u> . Also included is a letter from Lady Driver after her husband's death. |                        |

Correspondence

- |      |  |                        |
|------|--|------------------------|
| J.40 | Dyer, A.F.   | 1979                   |
|      | Edwards, J.H.  | 1978, 1980             |
| J.41 | Edwards, J.  | 1958                   |
|      | Genetic selection of bulls.  |                        |
|      | Emerson, S.  | 1935                   |
|      | Letter to Haldane referring to his (Emerson's) earlier disagreement with Darlington on interstitial segments in <u>Oenothera</u> . Attached is a 5pp. ms. note 'Some advantages of "Sax's Theory of Crossing-Over" and criticisms of Darlington's offered by Bridges and Beadle', April 1931. The ms., which has some underscorings by Darlington, bears in the margins the initials of the various participants; they include CBS (Bridges), GWB (Beadle), SHE (Emerson). |                        |
| J.42 | Engledow, F.L.   | n.d., 1948             |
|      | Undated letter is addressed to Bateson (d.1927). Letter of 1948 is <u>re</u> suitable crops for Southern Rhodesia.   |                        |
| J.43 | Ephrussi, B.   | 1938-53                |
|      | Correspondence of 1946 concerns renewing European contacts, scientists in Germany (especially Timoféeff) and includes a letter from H. Bauer.  |                        |
| J.44 | Erlanson, E.W. (later McFarland q.v.)  | 1928, 1930, 1931, 1933 |
|      | Letter of 1930 refers to discussions of 'crossing-over' by Sax, Anderson, Cleland, etc., and also to 'very good' early paper by B. McClintock.   |                        |
| J.45 | Eysenck, H.J.  | 1964, 1973-77          |
|      | Various topics in sociobiology, twinning, etc.   |                        |
| J.46 | Fair, C.M.   | 1979                   |
|      | Human population selection.  |                        |
|      | Federley, H.   | 1950                   |
|      | Fell. H.B.   | 1948                   |

Correspondence

- |           |   |               |
|-----------|---|---------------|
| J.47-J.50 | Fisher, R.A. and others   | 1936-57, 1979 |
|           | Correspondence on research, on publications in <u>Heredity</u> and a little personal material. Fisher was co-founder with Darlington of <u>Heredity</u> in 1947 (see G.24-G.65).                    |               |
| J.47      | Two letters, on Mendel, and on choice of journals for publications, 1936.   |               |
| J.48      | 1943 (race, colour-blindness), 1947, 1951 (proposal for a section of Biometry and Genetics of British Association).   |               |
| J.49      | 1954-56. Includes proposal for a Genetic Garden in Cambridge, March 1954, miscellaneous correspondence on <u>Heredity</u> .   |               |
| J.50      | 1957. Includes material about Fisher's retirement plans, presentation to him, <u>Heredity</u> . Also included is a letter, 1979, from Joan Box (Fisher's daughter), on her biography of her father. |               |
| J.51      | Fleure, H.J.  | 1951          |
|           | Race and brain-size.  |               |
|           | Florey, H.W.  | 1962          |
|           | Ford, C.E.  | 1974, 1978    |
| J.52-J.55 | Ford, E.B. (Henry)  | 1947-80       |
|           | Ford was Professor of Ecological Genetics and Director of the Genetics Laboratory at Oxford.  |               |
| J.52      | 1947, 1955-56. Includes a letter from W.E. Le Gros Clark.   |               |
| J.53      | 1963-66. Research and publications. Includes draft of joint memorandum by Ford and Darlington on Genetics in Oxford, April 1965.  |               |
| J.54      | 1970-73   |               |
| J.55      | 1976-80. Includes correspondence with C.A. Clarke on his joint paper with Ford, 1979.   |               |
| J.56      | Ford, E.H.R.  | 1960          |
|           | Changes in height.  |               |



Correspondence

|            |  |            |
|------------|--|------------|
| J.57, J.58 | Frankel, O.H.  | 1934-53    |
| J.57       | 1934-46  |            |
| J.58       | 1950-53  |            |
| J.59       | Freeman, D.  | 1969       |
|            | Includes copy of draft paper by Freeman 'In Defence of Darwin'.  |            |
| J.60       | Freeman, F.  | 1936, 1945 |
|            | Fritsch, F.E.  | 1938       |
|            | Genetics in examination papers.  |            |
|            | Fujii, K.  | 1933       |
|            | Darlington's visit to Tokyo.   |            |
|            | Fuller, J.   | n.d.       |
| J.61       | Galton, F.   | 1865       |
|            | A letter from Francis Galton to Dr. Hooker (on meeting of Geographical Society); in an envelope with ms. note by Darlington 'presented by Mrs. J.M. Thompson (Magdalen)'.  |            |
|            | Garber, E.D.   | 1947       |
| J.62-J.66  | Gates, R.R.  | 1924-72    |
|            | Darlington had many disagreements with Gates, on research theory and practice (see <u>Memoir</u> , p.118). Few of the letters are mutually addressed, many being sent to successive Directors of the John Innes, and some antedating Darlington's emergence on the research scene. |            |
| J.62       | 1924-25. Letters sent to Bateson, on Gates's candidature for Fellowship of the Royal Society, requests for students (including C.L. Huskins) to work at John Innes, etc.   |            |
| J.63       | 1927, 1932-33 (addressed to Sir Daniel Hall, on <u>Oenothera</u> cultures).  |            |
| J.64       | 1936, 1938   |            |
| J.65       | 1938 (Correspondence about disputed figures in a publication, see also J.15), 1939.  |            |
| J.66       | Later correspondence with Mrs. Gates, various dates, 1962-72.  |            |

Correspondence

|           |  |                             |
|-----------|--|-----------------------------|
| J.67      | Geitler, L.  | 1946                        |
|           | Renewing contacts with Germany.  |                             |
|           | Gershenson, S.   | 1936                        |
|           | (From Moscow.) Confirmation of Darlington's theory of 'crossing-over'. |                             |
| J.68      | Goddijn, W.A.  | 1932                        |
|           | Goldschmidt, R.  | 1948, 1950                  |
| J.69      | Grant, M.  | 1965                        |
|           | Grant, V.  | 1966, 1971                  |
|           | Research and publications.   |                             |
|           | Griffiths, J.G.  | 1972                        |
|           | Grüneberg, H.  | 1942                        |
|           | Red blood cells.   |                             |
| J.70      | Gustafsson, Å.   | Various dates 1935-49       |
|           | Includes letter from K. Mather.  |                             |
| J.71      | Haddow, A.   | 1952-53, 1972               |
| J.72      | Hagedoorn, A.L.  | 1949                        |
|           | Hair, J.B.   | Various dates 1954-79       |
| J.73-J.89 | Haldane, J.B.S.  | 1915, various dates 1930-68 |

Correspondence, drafts and other material exchanged with or related to Haldane.

Haldane was at John Innes from 1927 to 1936, as 'Officer in charge of Genetical Investigations', a post he combined with a Readership at Cambridge (to 1933) and Chairs at London. Darlington was at this time 'cytologist' at the John Innes. He and Haldane became personal friends, as can be seen from diaries and autobiographical writings, and they published a collaborative paper (with P.C. Koller) in 1934. Haldane had expected, and been expected, to succeed A.D. Hall as Director, but Hall's resignation was delayed. Haldane resigned in 1936 and Darlington became Director in 1939. See *Memoir*, pp.118-121, and the *Memoir of Haldane* by N.W. Pirie, *Biographical Memoirs of Fellows of the Royal Society*, 12, 1966, and *passim* in the material below.

Correspondence and writings by Haldane are presented chronologically at J.73-J.78. Drafts, articles, press-cuttings and correspondence by Darlington and others, mainly after Haldane's death in 1964, are at J.79-J.89.

Correspondence

J.73

1915

Letter to Bateson, from 'J. Haldane 2/Lt.' serving with the Black Watch in France, March 1915, describing his research on re-duplication in mice with A.D. Sprunt and his sister (Naomi, later Mitchison). The letter was quoted by Darlington, who says he found it among Bateson's papers, in a broadcast tribute to Haldane (see J.86).

Haldane's paper, with A.D. Sprunt and N.M. Haldane, was published in J.Genet., 5, 1915.

J.74

1930-34

J.75

1935-36

Letter of 14 November 1936 suggests that Darlington should draw some illustrations for Haldane's My friend Mr. Leahey and some pen sketches by Darlington are enclosed in the folder. Letter of 1 October 1936 is draft letter to The Times about Macbride (referred to by Darlington in J.88).

J.76

1936

Memorandum by Haldane on problems of the organisation of John Innes and his recommendations, 4pp. ms. dated 10 December 1936. In a covering letter to Dame Helen Gwynne-Vaughan, Haldane announces his forthcoming departure for Spain 'dictated both by patriotic and humanitarian motives'.

This may be the memorandum which Darlington requested sight of from the Secretary of John Innes in 1968 (see J.82).

J.77

1941, 1945, 1946, 1964

J.78

Research notes by Haldane and Darlington, 1928.

Ms. and typescript drafts for Haldane's Preface to Darlington's Recent Advances in Cytology, 1932, and 3pp. detailed comments on the draft book.

3pp. ms. drafts and diagrams on 'The possibility of incomplete sex linkage in mammals'; probably related to collaborative paper with Darlington and Koller, Nature, 133, 1934.



Correspondence

Later correspondence and writings on Haldane

- J.79 Correspondence with N.W. Pirie and recollections, for Royal Society Memoir, 1965.
- J.80 Correspondence with BBC re talks and films on Haldane, 1966.
- J.81 Correspondence re Haldane Memorial Volume; includes correspondence with editor, list of contributors, comments on draft of Darlington's article. 1966 and one letter 1973.
- J.82 Correspondence with R.W. Clark re his biography J.B.S. Includes some ms. notes by Darlington, 1966-67.  
  
Also included here is correspondence with the Secretary, John Innes, re Haldane's 'programme' for the Institute in 1936 (possibly the document at J.76), 1968.
- J.83 Correspondence on Darlington's review of Clark's biography in Nature, some with recollections of Haldane. In alphabetical order.
- J.84 Miscellaneous press-cuttings mainly reviews of Clark's biography but also includes poem by N. Mitchison in memory of her brother.
- J.85 2pp. note by Darlington on Haldane, for the Public Orator, Oxford, 1961.
- J.86 'Recollections of J.B.S. Haldane'  
  
Ms. and typescript drafts, all with different corrections, for a broadcast tribute, variously dated August, September 1965, January, February, April 1966.
- J.87 7pp. ms. draft and 1p. notes, for talk on Haldane for BBC, October 1968.
- J.88 'JBS'  
  
Ms. and typescript drafts for review of Clark's biography, various dates November 1968.
- J.89 2pp. ms. undated note on Haldane (related to Clark's biography).  
  
Miscellaneous short notes, headings, quotations on Haldane.

Correspondence

J.90                      Hall, A.D.                      Various dates    1930-46

Hall succeeded Bateson as Director of John Innes in 1927, when he was sixty-three and retired only in 1939 at the age of seventy-five. Darlington succeeded him as Director.

Material includes a letter from Ramsay MacDonald (1930) expressing disappointment that 'no well-thought-out scheme for purchasing and marketing has been produced', a lecture by Hall 'The cultural and social values of science' (1935), correspondence re Russian science (1937), correspondence on tulips (1942), request to Darlington to write a biography of Hall (1944), his recollections of Hall (1946).

J.91                      Haque, A.                      1953-54, 1968

Correspondence 1968 is Darlington's draft only, and research notes, re Haque's results. Probably related to collaborative paper published in Heredity, Lond. 1969.

Harding, A.S.                      1939, 1942

J.92-J.96              Harland, S.C.                      1936-80

Harland was a long-term colleague and friend. Many of the letters are sent from research institutes in South America (chiefly Lima, Peru). Harland had a special interest in cotton, maize and rose-breeding which is often referred to. Almost none of Darlington's letters survive.

J.92                      1936-37

Mainly on the work of Skovsted.

J.93                      1939-45

Mainly research news, but includes a little correspondence on Vavilov (1945).

J.94                      1946-53

J.95                      1962-66

J.96                      1967-80

Correspondence 1967 includes recollections of Vavilov and Lenin.

J.97                      Harrison, M.                      1964-65, 1968

Latin and pre-Saxon place-names of London. See C.125 for similar correspondence on Oxford street and place names.

Correspondence

|       |   |            |
|-------|---|------------|
| J.98  | Hatton, R.G.  | 1944, 1950 |
|       | Hawkes, C.  | 1963       |
|       | Archaeological botany.  |            |
|       | Hayek, F.A.   | 1979       |
|       | Darlington's draft only.  |            |
| J.99  | Heite, E.   | 1930       |
|       | Triploids.  |            |
|       | Helbaek, H.   | 1981       |
|       | Correspondence with Helbaek's widow <u>re</u> obituary, bibliography, recollections, etc. of Helbaek, a pioneer Danish archaeological botanist.   |            |
| J.100 | Hellyer, G.C.   | 1946       |
|       | Intersexuality in goats.  |            |
|       | Henderson, S.A.   | 1967       |
|       | Henley, M.F.E.  | 1974       |
|       | Cousin marriage.  |            |
|       | Herklots, G.A.C.  | 1951       |
|       | Rust disease in maize.  |            |
|       | Hertwig, P.   | 1933       |
| J.101 | Heslop-Harrison, J.   | 1970-74    |
|       | Mainly about Kew (Heslop-Harrison was Director 1971-76).  |            |
|       | Heslop-Harrison, J.W.   | 1939       |
|       | (Father of J. Heslop-Harrison). Chromosome list of British plants.  |            |
| J.102 | Hirst, A.W.   | 1935-36    |
|       | Enquiry <u>re</u> 'Critical Notes' on Darlington's <u>Recent Advances in Cytology</u> , by Belling; in his ms. draft reply Darlington writes that the paper was suppressed by the University of California Press. |            |
|       | Hollingshead, L.  | 1931       |
| J.103 | Hoyle, F.   | 1950       |
|       | Indeterminacy.  |            |
| J.104 | Hurry, S.W.   | 1967       |
|       | Biology teaching in schools.  |            |



Correspondence

|             |   |                                       |
|-------------|---|---------------------------------------|
| J.105       | Hurst, R.   | 1948-50                               |
|             | Early <u>Rosa</u> research.   |                                       |
| J.106       | Huskins, C.L.   | Various dates 1936-49                 |
|             | Hutchinson, J.  | 1948                                  |
|             | One letter only.  |                                       |
| J.107-J.110 | Huxley, J.S. and others   | 1936-62                               |
| J.107       | 1936-38   |                                       |
|             | Mainly on affairs of John Innes; includes letter (1936) from H.J. Muller on research in Moscow and forthcoming genetics congress, correspondence on speciation, publications. |                                       |
| J.108       | 1940-49   |                                       |
|             | Russian genetics, publications.   |                                       |
| J.109       | 1950-55   |                                       |
| J.110       | 1956-62   |                                       |
|             | Includes correspondence with C. Singer on variation in colour vision, and (1962) Darlington's recommendation of Huxley for the Prix Balzan.                                   |                                       |
| J.111       | Huxted, L.  | 1941                                  |
|             | Illtis, H.  | 1951                                  |
| J.112-J.116 | Janaki-Ammal, E.K.  | 1931-80                               |
|             | Dr. Janaki-Ammal, an Indian cytologist, worked at the John Innes at various times, and retained lifelong contact with Darlington.   |                                       |
| J.112       | 1931, 1934, 1937-38.  | Includes draft paper by Janaki-Ammal. |
| J.113       | 1940-50   |                                       |
| J.114       | 1953-54, 1959-62  |                                       |
| J.115       | 1967-70   |                                       |
| J.116       | 1971-80   |                                       |

Correspondence

|             |   |                       |
|-------------|---|-----------------------|
| J.117       | Jensen, A.R.  | 1972                  |
|             | Enclosing 'Resolution on scientific freedom regarding human behavior and heredity', submitted by E.B. Page. See also D.146. |                       |
|             | Jones, K.   | Various dates 1970-81 |
|             | Mainly on Darlington's publications.  |                       |
| J.118       | Karpechenko, G.D.   | 1928-38               |
| J.119       | Keith, A.   | 1951                  |
|             | Brain size.   |                       |
|             | Kemp, R.  | 1973, 1976            |
| J.120       | Kihara, H.  | 1948, 1951            |
|             | Genetics research in Japan.   |                       |
|             | King-Hele, D.G.   | 1969                  |
|             | Erasmus Darwin.   |                       |
| J.121       | Kirk, J.  | Various dates 1962-66 |
|             | Research and publication.   |                       |
|             | Klingstedt, H.  | 1938, 1947            |
|             | Research in Finland.  |                       |
|             | Kobel,  | 1927                  |
|             | <u>Prunus</u> .   |                       |
| J.122-J.139 | Koller, P.C. and others   | 1934-78               |

Koller was a life-long friend and colleague. Of Hungarian origin, he worked at the Institute of Animal Genetics, University of Edinburgh, in the 1930s with several visits or longer periods of work at the John Innes. In 1944 he moved to London as Research Cytologist at the Royal Cancer Hospital (1944-46) and the Chester Beatty Research Institute (1946-69), becoming Professor of Cytogenetics, University of London. He died in 1979.

In August 1939 the Seventh International Congress of Genetics was held in Edinburgh. Darlington was the Recorder and Koller the Secretary of the Cytology Section. The Congress looms large in the correspondence for 1938-39 since the possibility of war added to the already considerable difficulties attendant on the participation of Russian and German scientists. In the event, the Russians withdrew, and many of the Germans left early.

Most of the correspondence concerns research, publications, visits and similar aspects of professional life. There is, however, a 'personal' element deriving from Koller's volatility of temperament and from the many problems he initially found in adapting to life in Scotland. The letters are usually dated; some undated material has been tentatively assigned



Correspondence

J.122-J.139  
(Cont'd.)

on grounds of content. Koller continued to use up stocks of the 1939 Congress writing-paper well into 1941 and this adds to the difficulties of dating. The folders include letters from other colleagues working or in touch with Koller at a particular time. There are few letters from Darlington, but frequent ms. comments by him on the income correspondence.

Koller usually signs himself, and is addressed as, 'Pio', but sometimes the form 'Peo' is found.

- |       |   |
|-------|---|
| J.122 | 1934 and some undated notes.  |
| J.123 | 1935, March-June  |
| J.124 | 1935, July-December   |
| J.125 | 1936  |
| J.126 | 1937  |
| J.127 | Not used  |
| J.128 | 1938. Includes correspondence from others, on research and publications.  |
| J.129 | 1939, January-June. Includes correspondence from others, on research, publications, International Congress of Genetics, etc.; letter of 17 March from H.J. Muller is a long appreciation of the work of E.B. Wilson.          |
| J.130 | 1939, July. Mainly about Congress, attendance of Russian geneticists, especially N.I. Vavilov who was to have been President; also includes draft review by H.J. Muller of Darlington's <u>Evolution of Genetic Systems</u> . |
| J.131 | 1939, August-December. Includes reprint of report on Congress <u>Nature</u> , November).  |
| J.132 | Various provisional and final copies of Congress programme, all with annotations or amendments by Darlington.   |
| J.133 | 1940  |
| J.134 | 1941  |
| J.135 | 1942  |
| J.136 | 1943, January-May, and some undated. Includes correspondence on post-war plans for organisation of research in cytology and genetics.   |



Correspondence

- J.137 1943, June-December, and some undated. Includes Koller's report on tumour cells, for British Empire Cancer Campaign (June).
- J.138 1946-55
- J.139 1961-79. Includes ms. notes by Koller and Darlington on early chromosome theory in America with recollections of Morgan, Muller, Bridges and others (July, August 1976).
- J.140 Kottermann, G. 1931  
Chromosome numbers.
- J.141 Kupzow, A.J. Various dates 1957-77  
Kupzow was a pupil of Vavilov, and became a professor of genetics and plant-breeding in Moscow. Most of the correspondence is brief exchanges of news, publications, etc., with special reference to any commemoration of Vavilov. Correspondence 1965 refers to death of another Russian geneticist, A.R. Zhebrak, and includes tributes to his work.
- J.142 Kuwada, Y. 1934, 1951, 1975  
Letter of 1975, written when Kuwada was 93, encloses photographs.
- J.143 Laane, M.M. 1979  
Chromosome studies in Norway.
- J.144 La Cour, L.F. 1969-72  
La Cour was one of Darlington's earliest colleagues; he joined the staff of the John Innes as a lab. boy in 1922 and moved with it in its various migrations. He was Darlington's technical assistant, collaborating with him on several papers and on the textbook The Handling of Chromosomes. He died in 1984.  
The correspondence is of late date and mainly on publications, La Cour's election to the Royal Society, Honorary Professorship at University of East Anglia, etc.; includes c.v. and list of publications.
- J.145 Lang, Th. 1937  
Genetic determination of homosexuals.
- Lehmann, E. 1948
- Leitenberg, M. 1964  
Race in Alabama.
- Lesley, J.W. 1946
- Lewis, D. 1957, 1979

Correspondence

|              |  |                  |
|--------------|--|------------------|
| J.146        | Lilienfeld, F.A.   | 1937, 1949       |
| J.147        | Lotsy, T.P.  | 1930, 1931       |
| J.148        | Löve, A. and Löve, D.  | 1947, 1955-65    |
|              | Correspondence 1958, 1960 is on cousin marriage and human genetics in Iceland.   |                  |
| J.149        | Lowndes, A.G.  | 1949             |
|              | Ludford, R.J.  | 1935             |
|              | Arsenical compounds.   |                  |
| J.150        | McClintock, B.   | 1934             |
|              | Three letters only, with several references to funding problems for her research.  |                  |
| J.151        | Macfarlane, E.W. (formerly Erlanson q.v.)  |                  |
|              | Various dates  | 1963-79          |
| J.152        | MacKie, E.W.   | 1974-77          |
|              | Diffusionism in archaeology.   |                  |
| J.153        | McWhirter, K.G.  | 1955, 1967, 1974 |
|              | Socio-genetics.  |                  |
| J.154        | Mainx, F.  | 1947             |
|              | Post-war genetics in Germany.  |                  |
|              | Martens, P.  | 1950             |
|              | Martin, G.   | 1946             |
|              | Darlington's carbon only, on plant breeding on rubber.   |                  |
| J.155, J.156 | Mather, K.   | 1933-64          |
| J.155        | 1933-38  |                  |
|              | Correspondence 1933-34 is from Sweden where Mather was working, on secondment from John Innes. Correspondence 1938 is from America where Mather held a Rockefeller Fellowship. |                  |
| J.156        | 1948-64  |                  |
|              | Includes note for <u>Nature</u> by Darlington on Mather's appointment to Chair of genetics at Birmingham, 1948.  |                  |

Correspondence

- |             |  |                       |
|-------------|--|-----------------------|
| J.157       | Matthey, R.  | 1937                  |
|             | Darlington's chromosome theories.  |                       |
| J.158       | Melchers, G.   | Various dates 1957-71 |
|             | Mainly brief scientific and personal exchanges.  |                       |
| J.159       | Mitchison, J.M.  | 1977                  |
|             | Moffett, A.A.  | 1964                  |
|             | Botany, socio-genetics in Africa.  |                       |
| J.160       | Mohr, O.L.   | 1937, 1947            |
|             | Correspondence 1937 is re Seventh International Genetics Congress scheduled to be held in Moscow in 1938 and treatment of Russian geneticists; the Congress was held in Edinburgh in 1939 and the Russian scientists did not attend.                   |                       |
| J.161-J.165 | Muller, H.J.   | 1931-61               |
| J.161       | 1931, 1934-36  |                       |
|             | Correspondence 1934-36 is from Leningrad and Moscow, where Muller was working.   |                       |
| J.162       | 1937-39  |                       |
| J.163       | 1941-49  |                       |
|             | Includes some material on Russian scientists, mainly arising from Muller's resignation from the USSR Academy of Sciences in 1949, and various ms. and printed notes about Muller's Pilgrim Trust Lecture, 1945.  |                       |
| J.164       | 1952-54  |                       |
|             | Mainly on race; also includes note by Darlington for publication on Muller's election as Foreign Member of the Royal Society, and Muller's letter declining, for political reasons, honorary membership of Real Sociedad Española de Historia Natural. |                       |
| J.165       | 1961, 1973 (re proposed biography of Muller).  |                       |
| J.166       | Nelder, J.A.   | 1979                  |
|             | Statistical methods.   |                       |
|             | Newcombe, H.   | 1938                  |
|             | Chiasma pairs.   |                       |



Correspondence

- |             |   |  |
|-------------|---|--|
| J.167-J.170 | Newton, W.C.F. and others   | 1925-29  |
|             | <p>Newton was one of the earliest scientific influences on Darlington. He had been appointed by Bateson as cytologist at the John Innes in 1922, only a few months before Darlington, who worked under his guidance until his illness in 1926 and death in 1927. They published several collaborative papers, some posthumous. Newton married in 1925 Lily Batten, herself a distinguished botanist. The folder includes correspondence with Newton and his wife, and from Darlington's parents and members of the John Innes staff who kept him posted about Newton's declining health during his visits abroad.</p> |  |
| J.167       | 1925  |  |
|             | Includes report of research by Newton and C.E. Pellew, 1924.  |  |
| J.168       | 1926, August-December.  | Later letters from Algeria where Newton was convalescing.  |
| J.169       | 1927.   | Includes Newton's comments on Darlington's draft article for <u>Nature</u> on polyploids, continuing scientific correspondence and Darlington's 'Notes written on my last discussion with Frank Newton by Frank and myself 13.XII.27.' |
| J.170       | 1929.   | Includes comments by Mrs. Newton on posthumous publications, and a copy of obituary of Newton by A.D. Hall, <u>Nature</u> , 1928.  |
| J.171       | Oakeshott, W.   | 1945-48  |
|             | Mainly arrangements for Darlington to lecture at St. Paul's and Winchester.   |  |
| J.172       | Ogden, C.K.   | n.d.   |
|             | One letter only.  |  |
| J.173       | Olby, R.C.  | 1966-73  |
|             | History of science, especially Olby's programme of archive collection in cell chemistry, and other writings.  |  |
| J.174       | Osborne, R.T.   | 1971, 1972   |
|             | Ostenfeld, C.H.   | 1927, 1928   |
|             | <u>Prunus</u> .   |  |
| J.175       | Pandey, K.K.  | 1969, 1977-81  |

Correspondence

|              |   |  |
|--------------|---|--|
| J.176        | Pötau, K.   | 1946   |
|              | German science.   |  |
|              | Peake, H.I.E.   | 1939, 1941   |
| J.177        | Penrose, L.S.   | 1957, 1970   |
|              | Letter of 1957 is on chromosome uncoiling; letter of 1970 is on inherited ability at chess and includes a pedigree of the Penrose family. |  |
| J.178        | Périer, P.  | 1966-67  |
|              | Inheritance laws and marriage practice in France.   |  |
| J.179        | Perrott, R.   | 1967   |
|              | Heredity.   |  |
|              | Peters, R.A.  | 1952   |
| J.180        | Philp, J.   | Various dates 1938-45  |
| J.181        | Polanyi, M.   | 1962   |
|              | One letter only, on transmission of acquired learning. Also included is letter from Mrs. Polanyi after Polanyi's death, 1976.             |  |
| J.182, J.183 | Pontecorvo, G.  | 1940-58  |
|              | Personal and scientific correspondence.   |  |
| J.182        |   | 1940-50  |
| J.183        |   | 1953-58. Includes correspondence <u>re</u> Bateson and Mendelism (1953), and some letters from others. |
| J.184        | Price, J.R.   | 1942   |
|              | Priestley, J.H.   | 1930   |
|              | Pringle, J.W.S.   | 1961   |

Correspondence

- |              |   |                       |
|--------------|---|-----------------------|
| J.185, J.186 | Punnett, R.C.   | 1928-51               |
|              | Mainly on publications in <u>J.Genet.</u> , of which Punnett was then Editor.   |                       |
| J.185        | 1928-38. Mainly on Darlington's papers. Includes letter (1932) from Punnett on early uses of terms 'tetraploid', 'factor' and 'gene'.   |                       |
| J.186        | 1942-51. Mainly on papers submitted to Darlington for comment, and on his own papers. Punnett's letter of 1951 includes recollections of early genetics research.                         |                       |
| J.187        | Purmann, R.   | 1972                  |
|              | Human genetics.   |                       |
|              | Randall, J.T.   | 1941                  |
|              | One letter only, on bio-physical chromosome research.   |                       |
|              | Randolph, L.F.  | 1928-29, 1940         |
|              | Tradescantia.   |                       |
| J.188        | Rapkin, L.  | 1940                  |
|              | News of colleagues in occupied France and Rapkin's efforts to obtain American visas for them.   |                       |
|              | Rees, H.  | 1962                  |
|              | Rye.  |                       |
| J.189-J.192  | Renner, O. and others   | Various dates 1928-66 |
|              | Renner was a German geneticist, working first at Jena and moving in 1948 to Munich as Director of the Botanic Institute. Darlington wrote his obituary for the Royal Society in 1961.     |                       |
| J.189        | 1928-29, 1939   |                       |
| J.190        | 1947-49   |                       |
| J.191        | 1951-58. Includes letter on Renner's election as Foreign Member of the Royal Society (1955), and translation into English by Darlington of a paper by Renner, for <u>Heredity</u> , 1958. |                       |
| J.192        | 1960-66. Includes a little material after Renner's death.   |                       |



Correspondence

- |       |   |                       |
|-------|---|-----------------------|
| J.193 | Richardson, M.M.  | 1938, 1942            |
|       | Margaret Richardson was a colleague of Darlington at John Innes, later working at Exeter. Also included is a later (1951) letter to M. Richardson from C. Pellew, also of the John Innes, and a letter from her parents after her death (1956). |                       |
| J.194 | Riley, R.   | Various dates 1959-78 |
|       | Mainly research on wheat ; includes a little personal correspondence.   |                       |
|       | Roberts, D.F.   | 1969                  |
|       | Kinship in Tristan da Cunha.  |                       |
| J.195 | Roberts, J.A.F.   | 1951-55, 1974         |
| J.196 | Rothschild, M.  | 1960-81               |
|       | On various genetic topics. 1981 correspondence includes some material on G.S. Fraenkel.   |                       |
| J.197 | Rothschild, N.M.V.  | 1949-50               |
|       | Various topics in research, research policy and methods.  |                       |
| J.198 | Russell, E.J.   | 1952                  |
|       | Early research in agricultural science.   |                       |
|       | Saez, F.A.  | 1937, 1945, 1948      |
|       | Sachs, L.   | 1952                  |
| J.199 | Sahni, D.   | 1939                  |
|       | Salisbury, E.J.   | 1961                  |
|       | Chromosome numbers.   |                       |
|       | Salmon, E.S.  | 1932                  |
|       | Samuel, H.L.  | 1951                  |
|       | Sansome, E.   | 1936, 1937            |
| J.200 | Sax, K.   | 1929-34, 1955, 1961   |
|       | Early correspondence is on chromosome theory.   |                       |
| J.201 | Schafer, B.   | 1929, 1933, 1948      |
|       | Mainly on affairs of John Innes, where Miss Schafer was Librarian-Registrar.  |                       |
| J.202 | Schiemann, E.   | 1947, 1962            |

Correspondence

- |       |  |                       |
|-------|--|-----------------------|
| J.203 | Schinkel, P.G.   | 1950                  |
|       | Sheep-breeding regulations and 'telegony'.   |                       |
| J.204 | Schrödinger, E.  | 1943                  |
|       | Determinacy, selection.  |                       |
| J.205 | Schultz, J.  | 1933                  |
|       | Shockley, W.   | 1972, 1978            |
|       | On Shockley's genetic and sociological interests.  |                       |
| J.206 | Simon, F.E.  | 1952                  |
|       | Sinclair, H.M.   | 1973, 1980            |
| J.207 | Singer, C.   | 1938, 1948            |
| J.208 | Slack, H.D.  | 1938                  |
|       | Heteroptera.   |                       |
|       | Smith, K.M.  | 1951, 1974            |
|       | 'Provirus' and latent virus (1951).  |                       |
| J.209 | Smith, S.G.  | c.1935, 1939, 1947    |
|       | Smith-White, S.  | 1963, 1968            |
| J.210 | Snow, C.M.   | Various dates 1971-76 |
|       | Mrs. Snow was a benefactor, especially of the Nuneham Courtenay Arboretum. See C.81.   |                       |
| J.211 | Sonneborn, T.M.  | 1948, 1965            |
| J.212 | Stapledon, G.  | 1940, 1962            |
|       | Includes reflections on university teaching, especially of biology, by Stapledon, sent to Darlington for comment by R. Waller, author of biography of Stapledon. |                       |
| J.213 | Stebbins, G.L.   | 1946                  |
|       | Evolution of heredity.   |                       |
|       | Steele, D.G.   | 1959                  |
|       | Cribbing.  |                       |

Correspondence

- |              |  |                       |
|--------------|--|-----------------------|
| J.214, J.215 | Stern, F.C. and others   | 1941, 1948-52         |
|              | Stern was Chairman of the Council of John Innes 1947-61.   |                       |
| J.214        | 1941 (one letter only), 1948-50  |                       |
|              | Research, John Innes affairs including move to Bayfordbury.  |                       |
| J.215        | 1951-52  |                       |
|              | Mainly about invitation to Darlington to give the Master Memorial Lectures of the Royal Horticultural Society, which Darlington accepted, then cancelled in view of the Society's decision to discontinue cytological research at Wisley.  |                       |
| J.216        | Sturtevant, A.H.   | 1948                  |
|              | Symons, M.   | 1964                  |
|              | Inheritance of eye-colour.   |                       |
| J.217        | Taylor, G.   | 1956-57               |
|              | Kew.   |                       |
|              | Tekimov, V.P.  | 1930                  |
|              | <u>Prunus</u> .  |                       |
| J.218        | Thompson, B.W.   | 1968                  |
|              | Research into 'tongue-rolling'.  |                       |
|              | Thompson, D.W.   | 1935                  |
|              | Chromosome spirals.  |                       |
| J.219        | Tilney-Bassett, R.   | Various dates 1958-77 |
| J.220        | Timofëeff-Ressovsky, N.W.  | 1937-39, 1947         |
|              | Correspondence 1937-38 is re conference organised by Timofëeff and Ephrussi under the auspices of the Rockefeller Foundation and limited to twelve participants from several disciplines. The meeting, referred to in the correspondence as the 'Band of Hope and Glory', took place at Klampenborg in April 1938 and was considered significant for the diffusion of chromosome theory. See also H.54-H.56. |                       |



Correspondence

- |             |  |                       |
|-------------|--|-----------------------|
| J.221       | Tischler, G.   | 1936-37, 1947         |
|             | Chromosomes.   |                       |
|             | Trueman, A.E.  | 1947-48               |
|             | Development of university research in cytology.  |                       |
|             | Tschermak-Seysenegg, E.  | 1932                  |
| J.222       | Turner, J.S.   | 1945                  |
|             | Botanic gardens at Melbourne.  |                       |
|             | Unstead, J.F.  | 1948                  |
|             | Vernalisation.   |                       |
| J.223-J.226 | Vavilov, N.I. and others   | Various dates 1930-66 |
|             | <p>Vavilov, a great Russian geneticist, had worked at the John Innes with Bateson in 1913 and 1914. After his appointment by Lenin in 1921 to the joint post of President of the Academy of Agricultural Sciences and Director of the Institute of Applied Botany, Vavilov was an influential figure in Russia and also in international scientific circles. In 1939 he was to be President of the Seventh International Congress of Genetics (held in Edinburgh) but the Russian delegation did not attend. Vavilov fell victim to the rise of Lysenko and the acceptance by Stalin of the latter's theories; he was arrested, sent to Siberia, where he died. (See D.114.) An English version of his last work was published in 1940, largely through Darlington's good offices (see J.224). Vavilov was elected a Foreign Member of the Royal Society in 1942.</p> <p>See also 'Russian Genetics' in Section D.</p> |                       |
| J.223       | 1930 (card only, <u>re</u> Amsterdam Congress); 1938 (copy of letter to S.C. Harland, on current research and personnel).  |                       |
| J.224       | 1940. Arrangements for publication of Vavilov's 'Theoretical Bases of Plant Breeding' in English translation. Includes letter from Vavilov dated 25 April 1940 which may be among the last he wrote.   |                       |
| J.225       | Correspondence with K. Sax, C. Stern, arising from Obituary notice of Vavilov by Darlington and S.C. Harland in <u>Nature</u> , 1945.  |                       |
| J.226       | Later correspondence on Vavilov  | 1965-66               |
|             | P.T. Thomas (enclosing printed material), M. Popovsky (proposed biography of Vavilov; includes correspondence on date of Vavilov's election to Royal Society).   |                       |

Correspondence

|       |  |                              |
|-------|--|------------------------------|
| J.227 | Verdoorn, F.<br>Mainly publications in <u>Chronica Botanica</u> .  | 1942, 1948, 1972             |
| J.228 | Vig, P.<br>Speech.<br>Voelcker, O.U.<br>Swollen shoot disease.   | 1968<br>1949                 |
| J.229 | Waddington, C.H.   | 1938, 1945                   |
| J.230 | Waines, J.G.<br>Crop plant evolution.<br>Walker, I.M.<br>Offa's Dyke and farming.<br>Warburg, O. (card only)                   | 1971<br>1964<br>1955         |
| J.231 | Wernich, D.H.<br>Chromosome division.<br>Werskey, G.<br>Sociobiology.<br>Weyl, N.<br>Character of chess players.               | 1930<br>1969<br>1971         |
| J.232 | Wheaton-Smith, C.<br>Cattle-breeding.<br>White, M.J.D.<br>Meiosis.<br>Whittaker, R.  | 1959<br>1938<br>1971         |
| J.233 | Widdowson, E.M.<br>Wilson, A.<br>Conservation of <u>Pyrus cordata</u> .<br>Winiwarter, H. de<br>Gentian violet.<br>Witts, L.J. | 1980<br>1966<br>1937<br>1946 |

Correspondence

|        |   |                  |
|--------|---|------------------|
| J.234  | Wu, J.S.<br>Research in China.                              | 1950-51          |
| J.235  | Yates, F.<br>Brief correspondence only.                     | 1977             |
|        | Young, G.<br>Including writings.                            | 1977             |
| J .236 | Zuckerman, S.<br>Correspondence 1951 is on breeding habits. | 1951, 1955, 1979 |
|        | Zulueta, J. de<br>Rice.                                     | 1975, 1978       |



Correspondence

J. 237-J. 244

SHORTER UNINDEXED CORRESPONDENCE

Each of the categories of material here is presented in two parts, corresponding respectively to Darlington's period at the John Innes and the Department of Botany, Oxford.

Specimens, seeds, plants

Requests for supply or exchange, letters of thanks, sent or received by Darlington.

J. 237 1926-53

J. 238 1954-70

Publications, slides, information

Requests for reprints, thanks for books or articles, brief requests for information, slides, equipment, etc. sent or received by Darlington.

J. 239 1929-53

J. 240 1954-80

Permission to quote, reproduce diagrams, etc.

J. 241 1946-53

J. 242 1957-80

Miscellaneous

Shorter correspondence on work in hand or projected, news of careers, laboratories, requests or thanks for meetings and discussions.

J. 243 1939-53

J. 244 1955-80

Correspondence

|             |  |         |
|-------------|--|---------|
| J.245-J.261 | 'LUSTIGE BLATTER'  | 1923-80 |
|             | See the Introduction to Section J.   |         |
| J.245       | 1923-32. Includes 'Some Russian Impressions', by C.L. Huskins, 1927.   |         |
| J.246       | 1932. Ms. notes, journal entries, draft article 'Hands off materialism', all relating to visit to America by J.B.S. Haldane. |         |
| J.247       | 1933-36  |         |
| J.248       | 1937-39  |         |
| J.249       | 1939. Includes correspondence with J.B.S. Haldane.   |         |
| J.250       | 1940-44  |         |
| J.251       | 1946-49. Includes correspondence <u>re</u> E.W. Macfarlane, 1946.  |         |
| J.252       | 1950-52  |         |
| J.253       | 1953-56  |         |
| J.254       | 1957-59  |         |
| J.255       | 1960-63  |         |
| J.256       | 1964-67  |         |
| J.257       | 1968-71  |         |
| J.258       | 1972   |         |
| J.259       | 1974-76  |         |
| J.260       | 1977-80  |         |
| J.261       | n.d.   |         |

Correspondence

J.262-J.287

REFERENCES AND APPOINTMENTS

Not indexed.

References, appointments, promotions

|       |         |       |         |
|-------|---------|-------|---------|
| J.262 | 1937-39 | J.269 | 1960-62 |
| J.263 | 1944-46 | J.270 | 1963    |
| J.264 | 1947-48 | J.271 | 1964    |
| J.265 | 1950-51 | J.272 | 1965    |
| J.266 | 1953-54 | J.273 | 1966    |
| J.267 | 1955-57 | J.274 | 1967-69 |
| J.268 | 1958-59 | J.275 | 1970-72 |

J.276      n.d.

Theses, dissertations, higher degrees

|       |         |       |         |
|-------|---------|-------|---------|
| J.277 | 1936-39 | J.279 | 1950-58 |
| J.278 | 1940-44 | J.280 | 1961-70 |

Grant applications

|       |            |       |            |
|-------|------------|-------|------------|
| J.281 | 1938, 1956 | J.282 | 1967, 1971 |
|-------|------------|-------|------------|

Publications

J.283      Correspondence with publishers and editors on books or articles submitted for publication. Various dates, 1937-75.

Personal

Correspondence and papers from individuals: requests for advice on careers, publications, scientific ideas or research projects.

|       |         |       |                  |
|-------|---------|-------|------------------|
| J.284 | 1948-53 | J.286 | 1970-77          |
| J.285 | 1962-69 | J.287 | 1980 and undated |



# INDEX OF INDIVIDUALS AND ORGANISATIONS

|   |   |
|---|---|
| ABERCONWAY, Henry Duncan McLaren, Baron | J.215                                     |
| ACADEMIE D'AGRICULTURE DE FRANCE        | G.1                                       |
| ACCADEMIA NAZIONALE DEI LINCEI          | G.2                                       |
| ADRIAN, Edgar Douglas, Baron            | J.183                                     |
| AGAR, U. E.                             | J.1                                       |
| AGRICULTURAL RESEARCH COUNCIL           | G.3-G.8                                   |
| AITKEN, Sir Robert                      | C.88                                      |
| ALEXANDER, William Gemmell              | B.45                                      |
| ALEXANDROWICZ, J. S.                    | D.88<br>See also D. 100, D.116            |
| ALLEN, Gordon                           | G.59                                      |
| ALVESALO, Lassi                         | J.1                                       |
| AMBROSE, Edmund Jack                    | J.1                                       |
| AMNESTY INTERNATIONAL                   | G.9                                       |
| ANDERSON, Edgar G.                      | E.372, G.76, J.2                          |
| ANDREWES, Sir Christopher (Howard)      | E.332                                     |
| ANSON-OWEN, R. S.                       | C.43                                      |
| ANTI-SLAVERY SOCIETY                    | G.9                                       |
| ARCHER, Nora                            | J.3                                       |
| ARMITAGE, John                          | D.77                                      |
| ARMSTRONG, C. A. John                   | C.77, C.80, C.82                          |
| ARMSTRONG, Henry Edward                 | A.150                                     |
| ARMSTRONG, H. W.                        | J.3                                       |
| ARNOLD, Hermann                         | E.372, H.107                              |
| ARTHURS, Arnold M.                      | C.93                                      |
| ASHBY, Eric, Baron                      | C.93, D.75, D.83, D.90<br>E.66, F.9, G.20 |
| ASSOCIATION OF SCIENTIFIC WORKERS       | G.9                                       |
| ASTBURY, William Thomas                 | B.6, G.76, J.3                            |
| ATCHISON, Elizabeth                     | B.77                                      |
| ATHENAEUM                               | F.13, G.9                                 |
| ATHERTON, George                        | D.137                                     |
| ATKINSON, J. C.                         | H.107                                     |
| AUERBACH, Charlotte                     | J.136                                     |

Index of individuals and organisations

|                                 |  |
|---------------------------------|--|
| BABCOCK, Ernest B.              | C.4, E.141, J.4                              |
| BACK, Friedrich                 | J.4  |
| BADASH, Lawrence                | D.66   |
| BADDILEY, Sir James             | F.89   |
| BAKER, John                     | H.125  |
| BAKER, John Randal              | C.4, C.40, D.66, D.137,<br>E.522, G.104, J.4 |
| BALFOUR, Archie P.              | B.56, C.71, G.80                             |
| BALLARD, C. F.                  | H.107  |
| BALLS, William Lawrence         | B.6  |
| BANKS, Charlotte                | D.131  |
| BARBENSI, Gustavo               | E.164  |
| BARBER, Horace Newton           | C.57, E.141, E.480, G.85,<br>H.124, J.5, J.6 |
| BARBER, M. Elizabeth            | C.101  |
| BARLOW, Nora, Lady              | E.172, E.316                                 |
| BARLOW, Peter                   | E.533  |
| BARNARD, J.                     | J.7  |
| BARTH, Frederik                 | D.127  |
| BASS, Joan                      | E.216  |
| BATEMAN, Angus J.               | B.42, J.7                                    |
| BATES, Marston                  | H.107, J.7                                   |
| BATESON, Gregory                | D.46-D.57                                    |
| BATESON, William                | B.1<br>See also B.75, D.31-D.45,<br>J.62     |
| BATTAGLIA, Emilio               | G.58   |
| BAUER, Hans                     | A.120, B.6, E.681, J.8,<br>J.43              |
| BAWDEN, Sir Frederick (Charles) | C.4, G.97                                    |
| BAYLEY, Peter C.                | A.10   |
| BAYLIS, Geoffrey T. S.          | H.146  |
| BEADLE, George Wells            | E.34, G.26, G.60, H.57,<br>J.9               |
| BEAL, J. M.                     | J.10   |
| BEALE, Geoffrey H.              | B.56, C.4, J.11                              |

Index of individuals and organisations

|                                 |                                |
|---------------------------------|--------------------------------|
| BECKMAN, Lars                   | H.107                          |
| BĚLAŘ, Karl                     | J.12<br>See also E.23, J.9     |
| BELGOVSKY, M.L.                 | H.57                           |
| BELL, George Douglas Hutton     | C.4, J.13                      |
| BELL, Ronald Percy              | C.48                           |
| BELLING, John                   | H.41, J.13<br>See also J.102   |
| BENNETT-CLARK, Thomas Archibald | C.4, G.84                      |
| BERLIN, Sir Isaiah              | F.54                           |
| BERNAL, John Desmond            | B.6                            |
| BERRIE, G. K.                   | J.14                           |
| BERTALANFFY, Ludwig von         | E.205                          |
| BERTRAM, G. Colin L.            | D.9                            |
| BEVAN, Edwyn R.                 | E.450                          |
| BEVERIDGE, William Henry, Baron | A.130                          |
| BILGER, Otto                    | E.215                          |
| BIRNBAUM, Norman                | C.93                           |
| BISBEE, R. C.                   | J.14                           |
| BISWAS, K. P.                   | B.6, C.4                       |
| BLACKER, C. P.                  | D.94                           |
| BLACKMAN, Geoffrey Emmet        | C.43, E.360                    |
| BLACKMAN, Vernon Herbert        | B.6, E.74, E.79, G.76,<br>J.15 |
| BLAKESLEE, Albert Francis       | E.34, J.16<br>See also E.220   |
| BLOOMFIELD, Paul                | E.323, J.17                    |
| BLOUNT, Bertie Kennedy          | G.17                           |
| BOASE, Thomas Sherrer Ross      | C.110                          |
| BODMER, Walter Fred             | C.55, F.66                     |
| BOESIGER, Ernest                | F.114, H.165                   |
| BONNIER, Gert                   | D.108, H.68, J.18              |
| BOOTH, Charles O.               | E.142                          |
| BOSE, S. R.                     | B.6, G.76                      |



Index of individuals and organisations

|   |  |
|---|--|
| BOTANICAL SOCIETY OF AMERICA                          | G.9  |
| BOUFLOUR, R.  | J.18   |
| BOURNE, Geoffrey H.                                   | E.197  |
| BOWEN, Edmund John                                    | C.122  |
| BOWLES, E. M.   | J.18   |
| BOYLE, J. B. A.                                       | E.480  |
| BRABEC, Franz   | E.274  |
| BRACHET, Jules  | H.68   |
| BRADY-BIRKS, S. Graham                                | B.38   |
| BRAGG, Sir William Henry                              | F.68, F.70                                       |
| BRAGG, Sir (William) Lawrence                         | F.35, J.19                                       |
| BRAT, Sharma Ved                                      | D.489, J.19                                      |
| BRIDGES, Calvin B.                                    | J.19   |
| BRIEGER, F.   | H.41   |
| BRIERLEY, John K.                                     | A.120, D.137, E.392,<br>E.641, J.20              |
| BRIGGS, Asa, Lord                                     | C.51, C.93                                       |
| BRIGGS, George Edward                                 | J.183  |
| BRIMBLE, L. J. F.                                     | B.6, C.4, D.77, E.360,<br>G.76                   |
| BRITISH ASSOCIATION FOR THE ADVANCEMENT OF<br>SCIENCE | F.111, G.10, G.11, H.66,<br>H.86-H.88            |
| BRITISH EMPIRE CANCER CAMPAIGN                        | G.13-G.16  |
| BRITISH HUMANIST ASSOCIATION                          | G.17   |
| BROADHURST, P. L.                                     | D.137  |
| BRONOWSKI, Jacob                                      | J.21   |
| BROOKE, Eileen M.                                     | D.165  |
| BROOKS, Frederick T.                                  | B.6, B.41, E.66, G.76,<br>G.80, G.82, G.90, J.21 |
| BROSNAHAN, L. Frank                                   | H.107, H.125, H.146                              |
| BROWN, Sir Edward                                     | B.70   |
| BROWN, Sir George Lindor                              | C.54, C.93                                       |
| BROWN, L. Christie                                    | J.22   |
| BROWN, Robert   | G.88, J.119                                      |

Index of individuals and organisations

|                                       |   |
|---------------------------------------|---|
| BROWN, William                        | B.41, G.76, G.82  |
| BROWNEE, A.                           | D.66  |
| BRUMWELL, J. R. Marcus                | D.77  |
| BRUNN, H. G.                          | E.35  |
| BULLER, A. H. Reginald                | B.6, G.76, J.22   |
| BULLOCK, Alan (Louis Charles), Baron  | C.125   |
| BURCH, Cecil Reginald                 | J.22  |
| BURN, Joshua Harold                   | C.42  |
| BURNET, John H.                       | C.40  |
| BURNHAM, Charles R.                   | J.23  |
| BURRAS, Kenneth                       | J.23  |
| BURT, Sir Cyril Lodowic               | J.24<br>See also D.129-D.134  |
| BUTT, Vernon S.                       | C.56  |
| BUTTERFIELD, Sir Herbert              | F.9   |
|                                       |   |
| CAIN, A. J.                           | G.58  |
| CALLAN, Harold Garnet (Mick)          | B.7, E.115, G.86, G.89,<br>J.25   |
| CARPENTER, G. D. Hale                 | G.76  |
| CARR, J. G.                           | J.26  |
| CARR-SAUNDERS, Sir Alexander (Morris) | E.372   |
| CARSTAIRS, C. Y.                      | E.140   |
| CARTER, Cedric O.                     | D.165, G.18, J.26   |
| CASPERSSON, Thorbjörn Oskar           | G.26, H.62, J.27<br>See also H.181  |
| CASTELLANO, V.                        | H.118   |
| CASTLE, W. E.                         | D.42, J.26  |
| CATCHESIDE, David Guthrie             | B.7, B.56, C.4, E.113,<br>G.20, G.21, G.61, G.80,<br>G.89, H.124, H.133, J.28 |
| CATTELL, Raymond B.                   | E.480<br>See also D.145   |
| CHAMPION, Sir Harry George            | C.2, C.43   |
| CHAPMAN, E. J. C.                     | G.13, G.16  |
| CHITTENDEN, Reginald John             | See A.117, B.3  |

Index of individuals and organisations

|   |   |
|---|---|
| CLAPHAM, Arthur Roy                               | G.87  |
| CLARK, Barbara Gordon                             | E.316   |
| CLARK, Colin Grant                                | E.287, E.372, E.478   |
| CLARK, Ronald W.                                  | J.82  |
| CLARK, Sir Wilfrid (Edward) Le Gros               | E.318, J.52   |
| CLARKE, Sir Cyril (Astley)                        | J.29, J.55  |
| CLAUDE, Albert                                    | J.29  |
| CLAUSEN, Jens                                     | E.269   |
| CLAUSEN, Roy E.                                   | C.4   |
| CLEGG, Hugh Anthony                               | D.81  |
| CLELAND, Ralph E.                                 | B.7, J.30   |
| CLOWES, Lionel                                    | C.56  |
| COCK, Alan G.                                     | D.43, D.44  |
| COCKAYNE, E. A.                                   | G.21  |
| COLE, John Morrison                               | C.101   |
| COLEMAN, Alice                                    | J.31  |
| COLEMAN, William                                  | B.75  |
| COLONIAL OFFICE                                   | G.17  |
| COMMONWEALTH PLANT BREEDERS                       | G.17  |
| CONGRÈS POUR LA LIBERTÉ DE LA CULTURE             | G.17  |
| CONTROL COMMISSION FOR GERMANY-RESEARCH<br>BRANCH | G.17  |
| COOK, Robert C.                                   | D.83, E.70, E.644, J.31<br>See also J.13                              |
| COON, Carleton S.                                 | E.197, E.644, H.107,<br>J.31  |
| COOPER, Kenneth W.                                | J.31  |
| COOPER, R. E.                                     | E.140   |
| COPLEY, John                                      | F.9   |
| COPPOCK, J. B. M.                                 | E.161   |
| CORRENS, C.                                       | H.41  |
| COURTHOPE, Edward Arthur                          | B.7, B.14, B.17, B.18,<br>B.27, B.30, B.33, B.34,<br>B.36, B.37, B.39 |



Index of individuals and organisations

|  |   |
|--|---|
| COVE, David J.                           | G.65  |
| CRANE, Morley Benjamin                   | B.45, H.5-H.7   |
| CREW, Francis Albert Eley                | B. 6, E.66, G.10, G.23,<br>H.59, H.60, H.67, J.128,<br>J.130<br>See also H.68       |
| CRIPPS, J. L.                            | J.31  |
| CROSBY, J. L.                            | See G.11  |
| CROWTHER, J. G.                          | F.68, J.224   |
| CULLEN, J. C.                            | B.7   |
| DAHLBERG, Gunnar                         | E.120, J.32<br>See also H.75  |
| DALE, Harold Edward                      | J.90  |
| DALE, Sir Henry (Hallett)                | E.60, F.3, H.62, J.32   |
| DANIELLI, James Frederic                 | See H.83  |
| DARBY, H. C.                             | H.108   |
| DARIC, J.                                | G.58  |
| DARK, S. O. S.                           | B.8   |
| DARLING, Frank Fraser                    | J.33  |
| DARLINGTON, Alfred                       | A.142   |
| DARLINGTON, Alfred Frankland Dean        | A.164-A.168, A.179,<br>A.191, A.195   |
| DARLINGTON, Bertha                       | A.143   |
| DARLINGTON, Edith (later HARVEY q.v.)    | A.143   |
| DARLINGTON, Ellen (Nellie) née Frankland | A.162, A.163, A.164,<br>A.169-A.178, A.184-<br>A.187, A.189, A.191-<br>A.195, J.168 |
| DARLINGTON, Ellen (Nellie) née Hilton    | A.142   |
| DARLINGTON, Gwendolen Pearl              | A.165, A.167, A.179,<br>A.195   |
| DARLINGTON, Henry                        | A.141   |
| DARLINGTON, Margaret Blanche née Upcott  | A.196   |
| DARLINGTON, Maud (later SPEAKMAN, q.v.)  | A.143   |
| DARLINGTON, Oliver F.                    | A.199   |
| DARLINGTON, Thomas Henry                 | E.481   |

Index of individuals and organisations

- DARLINGTON, William Henry Robertson  
A.105, A.141-A.163,  
A.165, A.169-A.178,  
A.191, A.192, H.46, J.168  
See also H.6, H.7
- DART, Raymond A.  
H.98
- DARWIN, Sir Charles (Galton)  
F.40, J.33
- DAVIDSON, Douglas  
D.132, J.33
- DAVIS, Bradley M.  
J.33
- DAWSON, George W. P.  
E.373
- DAY, Peter R.  
A.120
- de BEER, Sir Gavin (Rylands)  
E.314, E.485, J.34
- de CASTRO, Duarte  
E.269
- DELAUNAY, L. N.  
J.35
- DELBRÜCK, Max  
G.26, J.35
- DE LAET, S. J.  
H.108
- DEMEREK, M.  
H.41  
See H.67, J.35
- DENNYS, Rodney Onslow  
E.453, J.36
- DEUTSCHE AKADEMIE DER WISSENSCHAFTEN ZU  
BERLIN  
G.17
- DICK, William E.  
D.83, D.88, D.90, E.129,  
E.191, E.658, E.685
- DOBZHANSKY, Theodosius  
A.120, D.76, D.83, D.101,  
D.105, D.110, E.373,  
G.26, G.57, G.58, J.37  
See also E.386, H.166
- DODDS, Sir (Edward) Charles  
G.16, G.76, J.38
- DODDS, Eric Robertson  
J.38
- DODDS, Kenneth S.  
B.51
- DRIVER, Sir Godfrey (Rolles)  
C.110, C.125, E.481, J.39
- DRONAMRAJU, K. R.  
J.81
- DUBININ, N. P.  
H.68
- DUNLOP, W. R.  
D.90
- DUNN, L. C.  
D.373
- DUSTIN, Pierre  
G.26
- DYER, Adrian F.  
J.40

Index of individuals and organisations

|   |   |
|---|---|
| EAST, E. M.   | H.41  |
| EBLING, F. John   | H.172   |
| ECCLES, William Henry                                   | F.89  |
| EDEN, Michael Francis                                   | see HENLEY  |
| EDWARDS, John Hilton                                    | E.487, E.661, J.40  |
| EDWARDS, Joseph   | D.94, D.114, E.373,<br>E.485, F.9, J.41   |
| ELLERTON, Sydney  | E.89  |
| ELSTON, Robert Noël                                     | D.154, H.108  |
| ELTON, Charles Sutherland                               | E.478   |
| EMERSON, Sterling H.                                    | J.41  |
| ENGLEDOW, Sir Frank Leonard                             | G.80, G.86, J.42<br>See also G.6  |
| EPHRUSSI, Boris   | B.8, D.90, G.26, G.58,<br>H.60, H.68, H.75, J.43  |
| ERLANSON, Eileen Whitehead<br>See also MACFARLANE, E.W. | B.8, J.44   |
| EVERSLEY, D. E. C.                                      | E.331   |
| EYSENCK, Hans Jurgen                                    | J.45  |
| FABERGÉ, A. C.  | See G.21  |
| FAGG, Bernard   | C.51  |
| FAIR, Charles M.  | J.46  |
| FARMER, Sir John Bretland                               | H.41, J.62  |
| FEDERLEY, Harry   | J.46  |
| FELL, Dame Honor Bridget                                | J.46  |
| FIELD, Henry  | E.487   |
| FERGUSON-SMITH, Malcolm                                 | G.23  |
| FIGGIS, T. Paton  | A.116   |
| FINCHAM, John Robert Stanley                            | B.57, B.69, B.70, G.22,<br>G.23   |
| FINNEY, David John                                      | J.6   |
| FISHER, Sir Ronald (Aylmer)                             | B.48, B.98, C.2, C.5,<br>D.84, E.145, E.251, E.252,<br>G.25, G.33-G.35, G.76,<br>G.82, J.47-J.50<br>See also B.75, E.356,<br>G.46, G.48 |



Index of individuals and organisations

|                                  |   |
|----------------------------------|---|
| FLANAGAN, Dennis                 | E.319   |
| FLEMING, A. A.                   | H.120   |
| FLEMING, Sir Alexander           | F.14  |
| FLEMING, Mary                    | A.143, A.179<br>See also A.186, A.190   |
| FLETCHER, H. R.                  | C.76  |
| FLEURE, Herbert John             | E.120, E.373, G.76, J.51  |
| FLOREY, Howard Walter, Baron     | J.51  |
| FOGG, G. E.                      | B.57  |
| FORD, Charles Edmund             | A.120, B.8, D.27, E.74,<br>G.86, H.183, J.51  |
| FORD, Edmund Brisco (Henry)      | C.2, C.41, D.108, E.66,<br>E.172, E.274, E.374,<br>G.21, J.52-J.55<br>See also E.344, E.637,<br>H.164 |
| FORD, E. H. R.                   | J.56  |
| FORESTRY COMMISSION              | G.18  |
| FOX, Harold Munro                | G.76  |
| FRANK, Victor S.                 | D.91  |
| FRANKEL, Sir Otto (Herzberg)     | B.6, B.57, C.5, E.486,<br>F.10, G.87, H.124, J.57,<br>J.58, J.83<br>See also D.58                     |
| FRANKLAND, John William          | A.163   |
| FRANKS, Oliver Shewell, Baron    | C.82  |
| FREEMAN, Derek                   | J.59  |
| FREEMAN, Frank                   | J.60  |
| FREEMAN, P. J.                   | C.123   |
| FRIDRIKSSON, Sturla              | H.144   |
| FRITSCH, Felix Eugen             | B.38, G.82, G.92, J.60  |
| FRYER, Sir John Claude Fortescue | B.32, B.33, B.34, B.36,<br>G.76, G.80, H.8  |
| FUJII, K.                        | J.60  |
| FULLER, John                     | J.60  |
| FULTON, John Scott, Baron        | C.93  |
| FUNDAÇÃO GETULIO VARGAS          | G.18  |

Index of individuals and organisations

- GAISER, L. O. E.141  
GAJDUSEK, D. C. See D.138  
GALE, Ernest F. F.104  
GALTON, Francis J.61  
GARBER, E. D. E.141, J.61  
GARDENER, William E.142  
GATES, Laura Ruggles G.97, H.146, J.66  
GATES, Reginald Ruggles D.33, D.84, H.41, H.42,  
J.62-J.66, J.128, J.129,  
J.131  
See also E.17, E.78, G.97  
  
GAYER-ANDERSON, T.G. C.5  
GAYRE, Robert E.370, E.477, H.95  
See also E.689  
  
GEITLER, S. H.57, J.67  
GERSHENSON, S. G.21, J.67  
GILLIAT-SMITH, Bernard Joseph Leo D.99, J.161  
GILMOUR, John S. L. B.9, C.5, C.80, J.107  
See also C.71  
  
GINI, Corrado E.370, H.116  
See also H.118  
  
GINSBERG, Benson F. H.108  
GLACKEN, Clarence J. H.108  
GLADSTONE, John E.482  
GLUSHCHENKO, I. Y. H.78  
See also D.104, H.82  
  
GODDIJN, W. A. J.68  
GODWARD, M. B. E. B.57  
GODWIN, Sir Harry E.373, E.478, G.88  
GOLDSCHMIDT, R. J.68  
GOODSPEED, T. H. B.9  
GOODWIN, Michael F.9  
GORDON, Cecil B.9, E.91, G.80  
GORDON, H. D. H.146  
GORER, Peter Alfred G.60  
GRACE, Charles H. A.147

Index of individuals and organisations

- GRANT, Michael J.69  
GRANT, Robert C.5  
GRANT, Verne J.69  
GRAVES, Robert Ranke E.149  
GRAY, Louis Harold G.14  
GREGOIRE, V. H.41  
GREGOR, A. James E.367-E.369, H.116, H.119,  
H.135, H.136, H.140  
See also H.118  
GREGORY, Sir Richard (Arman) B.36, E.21, E.57, E.65,  
E.72, E.690, J.90  
GRIFFITHS, James Howard Eagle C.113  
GRIFFITHS, John G. J.69  
GRÜNEBERG, Hans G.76, J.69  
GUEST, Evan H.5  
GUILLEBAUD, W. H. G.6  
GUINNESS, Brian C. E.451  
GUSTAFSSON, Åke D.108, H.57, H.78, J.70  
GUTHRIE, O. See H.90  
GWYNNE, Michael D. H.97  
GWYNNE-VAUGHAN, Dame Helen Charlotte  
Isabella B.9, H.41  
See also J.76  
HADDOW, Sir Alexander G.80, G.86, J.71  
HAGEDOORN, A. L. H.68, J.72  
HAGERUP, O. E.34  
HAIR, John B. C.5, E.485, J.72  
HALDANE, Charlotte D.84  
HALDANE, John Burdon Sanderson A.191, G.82, G.106,  
H.45, J.73-J.89, J.246,  
J.249  
See also D.60, G.16, H.1  
HALL, Sir (Alfred) Daniel A.191, D.72, F.60, G.82,  
H.3-H.7, H.41, H.45,  
H.46, H.53, J.5, J.62,  
J.90, J.130  
See also E.32, E.78



Index of individuals and organisations

|   |   |
|---|---|
| HALSEY, Albert Henry                    | E.374   |
| HAMERTON, John L.                       | D.27, H.111   |
| HAMILTON, William J.                    | E.487   |
| HAMMOND, John                           | J.203   |
| HAQUE, Ashraful                         | E.493, J.91   |
| HARDEN, Harold                          | A.120   |
| HARDIE, Colin Graham                    | E.374, E.484  |
| HARDIN, Garrett                         | E.215   |
| HARDING, T. Swann                       | J.91  |
| HARDY, Sir Alister (Clavering)          | C.5   |
| HARDY, Leslie, I.                       | E.216   |
| HARLAND, Sydney Cross                   | B.50, B.58, C.5, D.114,<br>E.486, G.80, J.83, J.92-<br>J.96<br>See also D.74, J.223 |
| HARLEY, Jack Laker                      | C.54, G.88  |
| HARPER, Alastair                        | E.215   |
| HARRISON, Brian J.                      | B.77, D.48, D.62<br>See also B.80   |
| HARRISON, G. Ainsworth                  | E.374   |
| HARRISON, Michael                       | J.97  |
| HARRISSON, Tom                          | G.107   |
| HARTLEY, Sir Harold Brewer              | G.96  |
| HARVEY, Edith née DARLINGTON            | A.179   |
| HARWOOD, J. H.                          | D.138   |
| HASKELL, Gordon                         | C.69, E.477   |
| HATTON, Sir Ronald George               | B.9, G.92, J.98   |
| HAWKES, (Charles Francis) Christopher   | C.51, J.98  |
| HAWTON, Hector                          | C.103, J.83   |
| HAYEK, Friedrich August                 | J.98  |
| HEDRICK, U. P.                          | B.4   |
| HEITZ, E.                               | G.26  |
| HELBAEK, Hans                           | See J.98, J.99  |
| HENDERSON, S. Alan                      | J.100   |
| HENLEY, Michael Francis Eden, 7th Baron | E.288, J.100  |

Index of individuals and organisations

|                                  |                             |
|----------------------------------|-----------------------------|
| HERKLOTS, G. A. C.               | J.100                       |
| HERTWIG, Paula                   | J.100                       |
| HESLOP-HARRISON, John (Jack)     | E.270, C.57, J.101          |
| HESLOP-HARRISON, John William    | H.60, J.101                 |
| HIERNAUX, J.                     | H.108                       |
| HILL, Archibald Vivian           | G.90, G.91<br>See also G.86 |
| HILL, Arthur                     | J.113                       |
| HILL, Robert (Robin)             | C.43                        |
| HILLIER, Harold G.               | C.70                        |
| HINDLE, Edward                   | E.252, G.80                 |
| HIRST, Sir Arthur W.             | J.102                       |
| HIRST, L. F.                     | D.84                        |
| HOBB, Harry                      | D.127                       |
| HOFMEYER, J. D. J.               | H.96                        |
| HOGBEN, Lancelot Thomas          | B.9, G.76, G.83             |
| HOLLINGSHEAD, Lilliam later HILL | B.9, E.34, J.102            |
| HOLLINGSWORTH, Tom A.            | E.452, E.486                |
| HOLMYARD, L. J.                  | C.5                         |
| HOOK, Sidney                     | E.168                       |
| HOPKINSON, Sir Tom               | D.89, G.107                 |
| HOPWOOD, D. A.                   | F.58                        |
| HORNE, Frank R.                  | C.5                         |
| HORNING, E. S.                   | F.11                        |
| HORRABIN, J. F.                  | E.35                        |
| HOWARTH, F.                      | B.9, J.15                   |
| HOYLE, Sir Fred                  | F.92, F.96, F.97, J.103     |
| HUDSON, Harry J.                 | E.476                       |
| HUDSON, P. S.                    | D.75<br>See also E.72       |
| HUGHES, J. Trevor                | H.131                       |
| HULSE, Frederick S.              | H.108                       |
| HUME-ROTHERY, William            | C.89, E.476                 |

Index of individuals and organisations

- |  |   |
|--|---|
| HURRY, Stephen W.  | J.104   |
| HURST, C. C.   | E.35  |
| HURST, Rona  | J.105<br>See also E.679   |
| HUSKINS, C. Leonard  | E.36, H.57, J.106, J.245  |
| HUSSEY, Graham   | B.58, B.68  |
| HUTCHINSON, Sir Joseph Burtt   | B.58, E.140, G.80, G.86,<br>J.106   |
| HUTTON, J. H.  | E.374   |
| HUXLEY, Elspeth  | A.129   |
| HUXLEY, Gervas   | E.485, E.486  |
| HUXLEY, Sir Julian Sorell  | A.120, B.98, C.48, D.99,<br>E.130, E.207, E.208,<br>E.251, E.252, E.375,<br>E.469, G.58, G.59, G.80,<br>J.93, J.107-J.110 |
| HUXTED, L.   | J.111   |
| ILTIS, Hugh H.   | D.67  |
| ILTIS, Hugo  | J.111   |
| INDIAN BOTANICAL SOCIETY   | G.66  |
| INDIAN SOCIETY OF GENETICS   | G.66  |
| INNES, James Archibald   | B.14, B.25, B.30  |
| INTERNATIONAL ASSOCIATION FOR THE ADVANCE-<br>MENT OF ETHNOLOGY AND EUGENICS | E.367-E.371   |
| JACOB, Ernest Fraser   | C.44  |
| JAIN, H. K.  | A.120   |
| JAMES, Irene M.  | G.71  |
| JAMES, William Owen  | C.40, E.54  |
| JANAKI-AMMAL, Edavaleth Kakkat   | B.9, E.268, G.66, H.60,<br>J.65, J.112-J.116<br>See also E.138-E.142, J.14  |
| JENKIN, T. J.  | G.80  |
| JENSEN, Arthur R.  | D.139, J.117  |
| JINKS, John Leonard  | G.39, G.40, G.61, G.62  |
| JOHNSON, H. Daintree   | E.507   |
| JONES, Donald F.   | D.42, E.49  |



Index of individuals and organisations

|                               |                                     |
|-------------------------------|-------------------------------------|
| JONES, Keith                  | C.52, E.270, E.492, H.183,<br>J.117 |
| JØRGENSEN, C. A.              | E.34, G.57                          |
| JOSEPH, Sir Keith (Sinjohn)   | E.487                               |
| JOSHI, A. C.                  | H.115                               |
| JUCCI, Carlo                  | G.80                                |
| KALLMAN, Franz J.             | G.26, G.59                          |
| KAMIN, Leon J.                | D.132                               |
| KANELIS, A.                   | D.73                                |
| KARPECHENKO, G. D.            | B.10, E.40, H.51, J.118             |
| KAY, H. D.                    | E.478, G.87                         |
| KEEBLE, Sir Frederick William | D.85, E.33                          |
| KEEN, Sir Bernard Augustus    | G.76                                |
| KEILIN, David                 | G.90                                |
| KEISEL, Hermann               | E.693                               |
| KEITH, Arthur                 | J.119                               |
| KELLOGG, Charles E.           | E.482                               |
| KELLY, E. Lowell              | D.146                               |
| KELLY, Peter                  | D.140, E.492, E.644                 |
| KEMP, Roger F. O.             | B.59, J.119                         |
| KEMP, Tage                    | J.195                               |
| KENNAWAY, E. L.               | C.6                                 |
| KENNEDY, Clarence H.          | E.89                                |
| KENNEDY, R. A.                | E.376                               |
| KENYON, Dame Kathleen (Mary)  | E.376                               |
| KERMODE, (John) Frank         | C.101                               |
| KETTLEWELL, B.                | G.60                                |
| KEVLES, Daniel J.             | D.67                                |
| KIHARA, H.                    | H.41, J.120                         |
| KING-HELE, Desmond George     | J.120                               |
| KIRK, John                    | E.393, J.121                        |
| KISLOVSKY, D.                 | H.68                                |

Index of individuals and organisations

|                                   |  |
|-----------------------------------|--|
| KLINGSTEDT, Holger                | J.121  |
| KNIGHT, F. P.                     | C.71   |
| KOBEL,                            | J.121  |
| KOLLER, Pius Charles              | B.10, C.122, G.10, G.76,<br>H.60, J.8, J.122-J.139,<br>J.160<br>See also D.101 |
| KORNITZER, Margaret               | D.9  |
| KOSTOFF, D.                       | B.10   |
| KOTTERMAN, G.                     | J.140  |
| KREBS, Sir Hans (Adolf)           | E.634, G.95<br>See also B.59   |
| KUPZOW, A. J.                     | D.67, D.108, D.110, J.141  |
| KUWADA, Yoshinari                 | J.142  |
| LAANE, Morten M.                  | J.143  |
| LA CHAPELLE, Albert de            | H.178  |
| LACK, David Lambert               | E.376  |
| LA COUR, Leonard Francis          | B.69, C.69, E.115, E.116,<br>E.529, E.647, J.144                               |
| LAMBRECHT, Frank L.               | E.641  |
| LANE, Sir Allen (Lane Williams)   | G.107  |
| LANE, Miriam     see ROTHSCHILD   |  |
| LANG, Th.                         | J.145  |
| LANGDON-DAVIES, John              | D.100  |
| LASKY, Melvin Jonah               | C.100, D.132, E.509,<br>E.510  |
| LASLETT, (Thomas) Peter (Ruffell) | F.91, F.92   |
| LAWRENCE, Sir William             | E.316  |
| LAWRENCE, William J. C.           | B.59, B.68, B.74, J.81   |
| LEHMANN, E.                       | J.145  |
| LEITENBERG, Milton                | J.145  |
| LEMARCHAL, Robert                 | E.476  |
| LESLEY, Jenny W.                  | B.75, J.145  |

Index of individuals and organisations

|  |   |
|--|---|
| LEVAN, A.                                      | See H.181   |
| LEVEILLE, A.                                   | E.137   |
| LEVIT, S. G.                                   | H.57  |
| LEVY, H.                                       | See G.70  |
| LEWIS, Dan                                     | B.60, C.55, G.63, G.88,<br>H.144, J.83, J.145                     |
| LEWIS, Harlan                                  | H.135   |
| LEWIS, Hilda, Lady                             | D.9, E.376  |
| LEWIS, W. Bennett                              | E.492   |
| LILIENFELD, F. A.                              | J.146   |
| LIPSET, David                                  | D.47-D.57   |
| LIVINGSTONE, Frank B.                          | H.108   |
| LLOYD, Brian Beynon                            | C.113   |
| LOCKHART-MUMMERY, J. P.                        | G.13, G.16  |
| LORENZ, Konrad                                 | E.636   |
| LOTSY, T. P.                                   | J.147   |
| LÖVE, Åskell                                   | A.134, C.6, E.215, E.269,<br>E.274, E.376, E.477,<br>H.120, J.148 |
| LÖVE, Doris                                    | J.148   |
| LOVESTONE, Jay                                 | D.85  |
| LOWNDES, Ashley G.                             | J.149   |
| LUDFORD, R. J.                                 | J.149   |
| LYCETT, C. V. R.                               | J.215   |
| McCALLUM, Robert B.                            | C.88  |
| McCANCE, Robert Alexander                      | G.94  |
| McCLEAN, Douglas                               | A.130   |
| McCLINTOCK, Barbara                            | E.34, H.59, J.150   |
| McCLUNG, C. E.                                 | E.34  |
| McCONNELL, R. A.                               | D.146   |
| MACDONALD, James Ramsay                        | D.37  |
| MACFARLANE, Eileen Whitehead formerly ERLANSON | G.77, J.151<br>See also D.127, J.251                              |



Index of individuals and organisations

|  |  |
|--|--|
| McGRATH, Earl J.                                       | C.93   |
| MACINTYRE, Angus                                       | D.68   |
| MacKENZIE, Donald                                      | B.75   |
| MACKIE, Euan W.  | D.68, E.488, J.152   |
| McWHIRTER, Kennedy G.                                  | C.68, C.71, D.157, E.485,<br>J.153   |
| MAHESHWARI, P.   | D.105, D.107   |
| MAINX, Felix   | J.154  |
| MANDELSTAM, Joel                                       | C.57   |
| MANTON, Irene  | J.128, J.130   |
| MARKHAM, Roy   | G.89, J.144  |
| MARSH, R. W.   | E.151  |
| MARSHALL, V. C.  | E.644  |
| MARTENS, P.  | J.154  |
| MARTIN, Nicholas                                       | D.133  |
| MASKELL, Ernest John                                   | C.6, G.77, G.81, G.83  |
| MASSEY, Daniel G.                                      | C.74   |
| MATHER, Sir Kenneth                                    | C.2, C.6, D.74, E.383,<br>G.36-G.38, G.50, G.85-<br>G.87, G.89, G.94, J.49,<br>J.70, J.155, J.156<br>See also E.156, E.164,<br>E.173, G.46, G.60 |
| MATTHEY, Robert  | D.27, E.216, G.57, J.157<br>See also E.198   |
| MAUD, John Primatt Redcliffe, later REDCLIFFE-<br>MAUD | C.122  |
| MAYR, Ernst  | D.68, E.644, H.160, H.161  |
| MAYS, Wolfe  | C.93   |
| MEADE, David   | C.93   |
| MEDAWAR, Sir Peter (Brian)                             | C.6, G.27  |
| MEIGGS, Russell  | E.379  |
| MELCHERS, Georg  | C.6, J.158   |
| MELLANBY, Kenneth                                      | H.172  |
| MENKEN, Jules  | D.100  |
| MEREDITH, A.   | D.140  |

Index of individuals and organisations

- METCALFE, C. R. See E.83
- MÉTRAUX, Alfred E.181
- MEYERS, Charles J. A.12
- MICHIE, Donald D.100
- MIDDLETON, Sir Thomas H. B.27, B.28, B.31
- MITCHISON, John Murdoch J.159
- MOFFETT, Alan A. J.159
- MOHR, Otto Lous D.85, G.26, H.58, H.68, J.160
- MONRO, George B.37
- MONTAGU, M. F. Ashley E.182
- MORAN, T. E.161
- MORETON, C. Oscar C.68
- MORGAN, Thomas Hunt H.46, J.155  
See also D.62, E.649, E.650
- MORRISON, Marie Vera Murray A.153, A.165, A.188, A.193
- MORRISON, Sir (William) Murray A.193
- MOTTRAM, J. C. G.14
- MOURALOV, A. I. H.58
- MOURANT, A. E. C.71, E.149, G.73  
See also G.58
- MULDAL, S. G.58
- MULLER, Hermann Joseph B.19, D.101, D.110, F.9, G.27, G.58, G.77, H.57, H.59, J.107, J.129, J.130, J.131, J.133, J.161-J.165, J.224  
See also D.63, D.85
- MULVANEY, D. J. E.641
- MÜNTZING, Arne D.73, D.140, G.27, H.62, H.67, H.111  
See also H.58, H.181
- MURRAY, (George) Gilbert (Aimé) F.9, F.90, G.71
- MURRAY, Margaret A. E.120

Index of individuals and organisations

|                                      |   |
|--------------------------------------|---|
| NABAKOV, Nicolas                     | G.17  |
| NABOURS, Robert K.                   | B.10  |
| NAVASHIN, M.                         | B.24  |
| NEBEL, Bernard R.                    | H.57, H.59  |
| NEEDHAM, Joseph                      | G.27  |
| NEEDHAM, Rodney                      | E.476   |
| NELDER, John A.                      | J.166   |
| NĚMEČ, B.                            | E.35, H.41  |
| NEWCOMBE, Howard B.                  | E.377, J.166  |
| NEWELL, John                         | B.60, B.74, B.76  |
| NEWTON, H. C. F.                     | B.10, E.487   |
| NEWTON, Lily                         | J.170   |
| NEWTON, William Charles Frank        | J.167-J.170<br>See also D.64                                  |
| NICOLSON, Victoria Mary (Vita)       | H.4   |
| NILSSON-EHLE,                        | See H.62  |
| NOBLE, Clyde E.                      | E.526   |
| NORRINGTON, Sir Arthur (Lionel Pugh) | C.44, C.46, C.50  |
| NUTTALL, H. C. Wardleworth           | E.216   |
|                                      |   |
| OAKESHOTT, Michael Joseph            | D.92  |
| OAKESHOTT, Sir Walter (Fraser)       | C.7, J.171  |
| OEHLKERS, Friedrich                  | H.57  |
| OFFERMANN, Carlos A.                 | J.161   |
| OGDEN, Charles Kay                   | J.172   |
| OGG, Sir William Gammie              | C.7, G.81   |
| OGILVIE, Lady (Mary Helen)           | C.84  |
| O'KANE, J. G.                        | D.102   |
| OLBY, Robert C.                      | C.122, D.68, J.173  |
| OLLARD, Richard                      | E.377, E.683  |
| ORTON, Harold                        | E.377   |
| ORWELL, George (Eric Blair)          | D.78, F.73, F.74, F.78  |
| OSBORN, Theodore George Bentley      | B.11, B.26-B.28, B.34,<br>B.37, C.3, C.7, C.40,<br>D.69, F.16 |



Index of individuals and organisations

|                              |  |
|------------------------------|--|
| OSBORNE, R. Travis           | D.145, E.485, E.487, E.526,<br>E.642, E.644, H.119, H.120,<br>H.143, J.174 |
| OSTENFELD, C. H.             | J.174  |
| OWCZARZAK, Alfred            | E.141  |
| ÖZGÜÇ, Toksin                | H.109  |
| PAGE, Ellis Batten           | D.146  |
| PAINTER, Theophilus S.       | G.27   |
| PANDEY, Kamla Kent           | H.146, J.175   |
| PANTIN, Carl Frederick Abel  | F.68   |
| PANTIN, William Abel         | C.74   |
| PARSONEN, G. S.              | E.641  |
| PÄTAU, K.                    | B.24, J.176  |
| PATTERSON, J. T.             | B.24   |
| PAXMAN, J. Graham            | B.60   |
| PEAKE, Harold I. E.          | B.11, E.120, G.77, J.176   |
| PEARSALL, William Harold     | B.38, G.82   |
| PEARSON, Peter L.            | H.167  |
| PEASE, Michael               | G.20, H.68   |
| PELLEW, Caroline             | E.317, J.168, J.193  |
| P.E.N.                       | G.67   |
| PENROSE, Lionel Sharples     | G.58, J.177  |
| PENSTON, N.L.                | G.81   |
| PERIER, Philippe             | E.453, E.479, E.486, J.178   |
| PERROTT, Roy                 | J.179  |
| PETAVAL, Arthur              | A.104  |
| PETERS, Sir Rudolph (Albert) | C.7, J.179   |
| PHILP, James                 | C.7, J.180   |
| PHILIPSON, W. R.             | H.146  |
| PICKERING, Sir George White  | D.69   |
| PIETERS, A. J.               | E.36   |
| PIGGOTT, Keith               | E.451  |
| PIRIE, Norman Wingate        | J.79   |

Index of individuals and organisations

|                                |  |
|--------------------------------|--|
| PLASKETT, Harry Hemley         | G.95   |
| POLANI, Paul Emanuel           | D.69   |
| POLANYI, Michael               | D.86, G.104, J.181   |
| PONTECORVO, Guido              | C.7, G.57, G.81, J.182,<br>J.183                             |
| POOLE, Austin Lane             | A.131  |
| POPOVSKY, Mark                 | J.226  |
| POPPER, Sir Karl (Raimund)     | E.483  |
| POSNETTE, Adrian Frank (Peter) | C.68   |
| PRAIN, Sir David               | B.17, B.18, B.24, B.30                                       |
| PRENDERGRAST, J. G.            | H.146  |
| PRESTON, Reginald Dawson       | C.45, G.87, G.88   |
| PRICE, J. R.                   | C.7, G.77, J.184   |
| PRICE, William H.              | D.157  |
| PRIESTLEY, Joseph Hubert       | E.66, J.184  |
| PRINGLE, John William Sutton   | C.49, C.52, F.54, G.88,<br>H.74<br>See also G.86, J.184      |
| PRINGSHEIM, E. G.              | E.692  |
| PROSHANSKY, Harold M.          | D.146  |
| PROVINE, William B.            | D.147, H.161   |
| PUCK, Theodore T.              | D.27   |
| PUNNETT, Reginald Crundall     | B.11, C.7, E.11, E.317,<br>G.20, G.81, G.82, J.185,<br>J.186 |
| PURCELL, Hugh D.               | E.149  |
| PURRMANN, Robert               | J.187  |
| QUINTANILHA, A.                | H.78   |
| RACE, Robert Russell           | B.60, C.71<br>See also G.21                                  |
| RANDALL, Sir John (Turton)     | C.7, J.187   |
| RANDOLPH, L. F.                | J.187  |
| RAPKINE, Louis                 | J.188  |

Index of individuals and organisations

- |   |  |
|---|--|
| RATIONALIST PRESS ASSOCIATION LIMITED     | G.69-G.72  |
| RAVEN, Peter H.                           | E.142  |
| REES, Hugh                                | E.519, E.524, G.101, J.188   |
| REINIG, W. F.                             | E.91   |
| RENNER, Otto                              | C.7, C.68, E.10, E.274,<br>E.317, J.189-J.192                          |
| RENSCH, B.                                | See H.165  |
| REXWORTHY, D. R.                          | D.95   |
| RHOADES, Marcus M.                        | E.19   |
| RICHARDSON, Frank                         | H.140, H.142   |
| RICHARDSON, Margaret M.                   | E.66, H.57, J.193  |
| RIDEAL, Sir Eric (Keightley)              | F.4  |
| RIEGER, Rigomar                           | H.111  |
| RILEY, D. P.                              | E.120  |
| RILEY, Ralph                              | B.60, C.57, E.676, G.22,<br>G.96, J.194                                |
| RIVERS, J.                                | C.7  |
| ROBB-SMITH, Alistair Hamish Tioreach      | C.125, E.317   |
| ROBERTS, Derek F.                         | D.154, H.109, J.194  |
| ROBERTS, John Alexander Fraser            | A.120, C.7, D.133, E.476,<br>G.86, G.88, G.89, J.195<br>See also D.142 |
| ROBERTSON, Muriel                         | E.34   |
| ROBERTSON, Robert H. S.                   | E.477  |
| ROBINSON, Sir Robert                      | C.7, G.77  |
| ROE, Anne                                 | D.8, D.146   |
| ROSE, Frederick G. G.                     | E.121  |
| ROSENBERG, Otto                           | E.34, H.41   |
| ROSS, Michael J.                          | E.445  |
| ROTH, Cecil                               | E.377  |
| ROTHSCHILD, Miriam                        | A.120, E.252, E.487, E.500,<br>J.83, J.196                             |
| ROTHSCHILD, Nathaniel Meyer Victor, Baron | B.52, C.7, J.197, J.214  |
| ROYAL AGRI-HORTICULTURAL SOCIETY OF INDIA | G.73   |
| ROYAL SOCIETY                             | G.75-G.102   |



Index of individuals and organisations

|  |  |
|--|--|
| RUDD, E.   | C.85   |
| RUDÉ, George   | E.379  |
| RUMBLE, Sir Bertram T.   | B.5, B.18, B.26, B.27,<br>B.30                     |
| RUSS, Sidney   | G.16   |
| RUSSELL, Sir (Edward) John                                     | C.7, F.28, G.77, G.81,<br>G.82, J.90, J.112, J.198 |
| RUTISHAUSER, A.  | H.111<br>See also G.60                             |
|  |  |
| SACH, Josef  | E.445  |
| SACHS, L.  | J.198  |
| SAEZ, Francisco Alberto  | E.92, E.140, H.60, J.198                           |
| SAHNI, D.  | J.199  |
| SALAMAN, Redcliffe Nathan                                      | B.12, C.8, G.77, G.82                              |
| SALISBURY, Robert Arthur James Gascoyne-Cecil,<br>5th Marquess | B.41, B.61   |
| SALISBURY, Sir Edward James                                    | B.34, B.37, E.66, J.199                            |
| SALMON, E. S.  | B.3, B.4, B.12, J.199                              |
| SAMUEL, Herbert Louis, Viscount                                | J.199  |
| SANSOME, E.  | J.199  |
| SANSOME, F. W.   | G.10   |
| SAUNDERS, E. R.  | G.18, H.41   |
| SAX, Karl  | A.120, J.200, J.225                                |
| SCHAFER, Brenhilda   | H.4-H.7, J.201                                     |
| SCHIEMANN, Elisabeth   | D.92, J.202  |
| SCHINKEL, P. G.  | J.203  |
| SCHRADER, Franz  | E.34, H.57, H.59, J.8                              |
| SCHRÖDINGER, Erwin   | J.204  |
| SCHULTZ, Jack  | J.38, J.205  |
| SCHWIDETZKY, Ilse  | H.109  |
| SEAGRIM, G. N.   | D.147  |
| SEILER, J.   | E.34, J.8  |

Index of individuals and organisations

|                                   |  |
|-----------------------------------|--|
| SHARMA, A. K.                     | H.125  |
| SHARMAN, G. B.                    | H.146  |
| SHEWELL-COOPER, W. E.             | B.12   |
| SHILS, Edward                     | E.517, G.104   |
| SHINE, Ian                        | D.70, E.528  |
| SHOCKLEY, William (Bradford)      | J.205<br>See also E.516, E.517                       |
| SHULL, George H.                  | H.6, H.41  |
| SIMMONDS, N. W.                   | C.8, C.74, H.109                                     |
| SIMON, Sir Francis (Eugen)        | G.95, J.206  |
| SIMPSON, Esther                   | F.12   |
| SIMPSON, G. G.                    | See H.165  |
| SINCLAIR, Hugh Macdonald          | C.3, C.8, C.110, C.111,<br>C.114, D.70, H.146, J.206 |
| SINGER, Charles                   | C.8, J.110, J.207                                    |
| SINOTÔ, Y.                        | G.58   |
| SIRKS, M. J.                      | H.68<br>See also G.27, H.67, H.70                    |
| SISAM, Kenneth                    | J.224  |
| SITWELL, Sir Sacheverell          | C.68   |
| SKIDELSKY, Robert Jacob Alexander | E.288  |
| SKILBECK, Dunstan                 | A.120, B.61, C.8, G.81                               |
| SLACK, H. D.                      | J.208  |
| SLATER, Eliot Trevor Oakeshott    | D.147, E.377, E.488, J.83                            |
| SLATER, Humphrey                  | D.78   |
| SLATER, Sir William Kershaw       | B.48, B.53, C.8, D.102<br>See also C.1               |
| SMALLPIECE, Victoria              | C.124  |
| SMITH, Kenneth Manley             | C.8, G.105, J.208, J.219                             |
| SMITH, S. G.                      | B.12, J.209  |
| SMITH-WHITE, Spencer              | J.209  |
| SNOW, Charles Percy, Baron        | J.229  |
| SNOW, Christine Mary              | C.81, J.210  |
| SOCIÉTÉ BELGE DE BIOLOGIE         | G.103  |

Index of individuals and organisations

|                                  |  |
|----------------------------------|--|
| SOCIETY FOR EXPERIMENTAL BIOLOGY | G.103  |
| SOCIETY FOR FREEDOM IN SCIENCE   | G.104  |
| SOCIETY FOR VISITING SCIENTISTS  | G.105  |
| SOCIETY OF GENERAL MICROBIOLOGY  | G.105  |
| SONNEBORN, Tracy Morton          | D.86, H.83, H.92, J.211  |
| SOROKIN, K.                      | D.102  |
| SPARROW, John Hanbury Angus      | J.55   |
| SPEAKMAN, Maud née DARLINGTON    | A.179  |
| SPEAR, F. G.                     | G.13   |
| SPOKES, Anne                     | C.125  |
| SPRINGALL, Harold Douglas        | E.265  |
| STANLEY, John                    | E.205  |
| STAPLEDON, Sir George            | J.212  |
| STEBBINS, G. Ledyard             | H.166, J.213   |
| STEELE, Dewey, G.                | J.213  |
| STERN, Curt                      | E.34, J.225  |
| STERN, Sir Frederick Claude      | B.34, B.39, B.40, B.41,<br>B.45, B.48, B.61, C.3,<br>E.139, E.268, G.77, G.81,<br>J.214, J.215 |
| STEVENSON, Alan Castle           | D.27, D.165, E.287, E.323  |
| STOUT, A. B.                     | B.4, H.41  |
| STOUTEMYER, V. T.                | J.192  |
| STRANGWAYS RESEARCH LABORATORY   | G.13-G.16  |
| STRONG, Sir Roy (Colin)          | See G.97   |
| STUBBE, H.                       | D.96, G.17   |
| STUESSY, Robin E.                | D.71   |
| STURTEVANT, Alfred H.            | J.216  |
| SUBAK-SHARPE, J. H.              | F.58, G.22, G.23   |
| SUTTON, Eileen                   | B.12   |
| SUTTON, Martin A. F.             | B.12   |
| SWAINGER, K. H.                  | E.161  |
| SWANN, Donald A.                 | D.148, E.368, E.369, E.371,<br>E.489, E.522  |



Index of individuals and organisations

|                                      |  |
|--------------------------------------|--|
| SWEET, G. D.                         | J.64   |
| SYMONS, Dom Martin                   | J.216  |
| SZCZERBA-LIKIERNIK, K.               | E.181, E.182   |
| <br>                                 |  |
| TABORI, Michael                      | D.111  |
| TAYLOR, Sir George                   | B.61, C.8, E.270, J.217  |
| TAYLOR, W. Randolph                  | H.41, H.42   |
| TEAGUE, Gerard W.                    | E.141, E.142   |
| TEMPLE, George                       | A.120, G.95  |
| THIELKE, Ch.                         | See C.68   |
| THODAY, John Marion                  | A.120, B.61, C.8, E.473,<br>F.66, G.30, G.63, G.86,<br>G.89, H.109 |
| <br>                                 |  |
| THOMAS, P. J.                        | G.81   |
| THOMAS, Percy T.                     | B.62, J.226  |
| THOMPSON, Brian W.                   | J.218  |
| THOMPSON, Sir D'arcy Wentworth       | G.77, J.218  |
| THOMPSON, W. R.                      | H.109  |
| THOMSON, Andy D.                     | J.72   |
| TILNEY-BASSETT, Richard Adrian Earle | J.219  |
| TIMOFÉEFF-RESSOVSKY, N. W.           | J.220  |
| TIRELLI, Mario                       | E.377  |
| TISCHLER, Georg                      | E.35, J.221  |
| TISDALE, W. E.                       | B.12, J.5  |
| TOBIAS, P. V.                        | H.96   |
| TOIGO, John                          | E.490  |
| TOMLINSON, P. B.                     | C.88   |
| TRAUB, Hamilton P.                   | E.69   |
| TREVOR, Jack C.                      | E.456  |
| TRUEMAN, Sir Arthur Elijah           | J.221  |
| TSCHERMAK-SEYSENEGG, Erich           | J.221  |
| TURNER, Ashley                       | E.377  |
| TURNER, J. R. G.                     | D.140  |
| TURNER, John S.                      | J.222  |
| TURRILL, William Bertram             | B.12, E.678, J.107   |

Index of individuals and organisations

- UCKO, P. J. E.398
- UNDERWOOD, Edgar Ashworth E.133, E.194
- UNSTEAD, J. F. D.92, J.222
- UNWIN, Sir Stanley C.9, D.87, E.113, E.139,  
E.161, E.164, E.212, E.272,  
E.465, E.676
- USSHER, Patrick E.480
- VAN OSS, M. D. B.26, B.27
- VARAGNAC, A. D.140
- VAVILOV, Catherine D.38
- VAVILOV, Nikolai Ivanovitch H.3-H.6, H.42, H.58, H.60,  
J.141, J.223-J.226  
See also D.72-D.116 passim,  
E.71-E.73, G.82, H.52,  
J.93, J.96
- VEALE, Sir Douglas C.1, C.42
- VERDOORN, Frans J.227
- VIG, Peter J.228
- VOELCKER, O. J. J.228
- VOGEL, Friedrich H.109
- VOGT, Marthe D.138
- VORONTSOV, Nikolay N. E.647
- WADDINGTON, Conrad Hal C.9, E.66, E.90, G.77,  
G.81, G.107, J.83, J.229
- WAGNER, Sir Anthony (Richard) E.484
- WAHRMAN, Jacob H.155  
See also H.181
- WAINES, J. Giles J.230
- WALKER, I. Morgan J.230
- WALKER, James G.11
- WALLACE, J. M. G.27
- WALLACE, T. G.81

Index of individuals and organisations

|                                  |                                   |
|----------------------------------|-----------------------------------|
| WALLER, Robert                   | J.212                             |
| WALPOLE, E. H.                   | C.73                              |
| WALSH, R. J.                     | H.145                             |
| WALTERS, James L.                | A.120                             |
| WARBURG, Otto Heinrich           | J.230<br>See also H.90            |
| WATKIN, Iestyn Morgan            | C.9, E.378, E.486, F.60,<br>G.60  |
| WATKINS, A. E.                   | B.12, G.77                        |
| WATSON, R. H. J.                 | E.288                             |
| WATTS, F. C. C.                  | E.171, G.69-G.71                  |
| WATTS, Stephen                   | E.186, E.217                      |
| WEDGWOOD, Dame (Cicely) Veronica | G.67                              |
| WELCH, H. J.                     | C.80                              |
| WELLS, George Philip             | D.71                              |
| WELLS, John J.                   | B.62, B.69                        |
| WERNICH, D. H.                   | J.231                             |
| WERSKEY, Gary                    | J.231                             |
| WETTSTEIN, F. von                | H.41, H.60                        |
| WEYL, Nathaniel                  | E.378, J.231                      |
| WHALEY, W. Gordon                | C.86                              |
| WHATLEY, Frederick Robert        | C.57                              |
| WHEATON-SMITH, Craig             | J.232                             |
| WHITE, F. C.                     | E.478                             |
| WHITE, Lynn                      | E.378                             |
| WHITE, Michael James Denham      | B.62, G.77, G.89, H.125,<br>J.232 |
| WHITE, Spencer Smith             | H.124                             |
| WHITTAKER, Robert                | J.232                             |
| WIDDOWSON, Elsie May             | J.233                             |
| WILCZYNSKI, Jan                  | D.71                              |
| WILLIAMS, Carrington Bonsor      | B.75, E.691                       |
| WILLIAMS, Glanville Llewelyn     | D.123, D.378                      |
| WILLIAMS, W. T.                  | C.67                              |
| WILLIAMS, Watkin                 | C.9<br>See also C.69              |



Index of individuals and organisations

|                                  |  |
|----------------------------------|--|
| WILLMER, E. N.                   | G.86   |
| WILSON, Alison                   | J.233  |
| WIND, Ian                        | E.533  |
| WINGE, Ø.                        | G.27, G.57   |
| WINIWARTER, H. de                | J.233  |
| WITTS, Leslie John               | J.233  |
| WOLFE, H. S.                     | E.141  |
| WOLFENDEN, John Frederick, Baron | E.252  |
| WOODWARD, Chad                   | C.9  |
| WOOLHOUSE, Harold W.             | B.77   |
| WOOTTON, Barbara, Baroness       | E.252  |
| WRIGHT, Jonathan W.              | E.141  |
| WU, J. S.                        | J.234  |
| WYATT, H. V.                     | C.45   |
| WYLIE, Ann P.                    | E.268, H.146   |
|                                  |  |
| YATES, Frank                     | G.81, J.50, J.235  |
| YATES, Pauline                   | D.72   |
| YOUNG, Géryke                    | J.235  |
| YOUNG, John Zachary              | C.9, E.485   |
| YOUNG, Michael                   | E.287  |
| YOUNG, Wayland later KENNETT     | D.123  |
|                                  |  |
| ZERBIN-RÜDIN, Edith              | E.288  |
| ZIRKLE, Conway                   | D.96   |
| ZOHARY, Daniel                   | H.109  |
| ZUCKERMAN, Solly, Baron          | C.9, D.116, E.378, F.9,<br>G.81, G.85, G.106, G.107,<br>H.106, J.236 |
| ZULUETA, Julian de               | E.641, J.236   |