

Catalogue of the papers and correspondence of
Frederick Alexander Lindemann,
Viscount Cherwell of Oxford CH, FRS
(1886 - 1957)

VOLUME 1

General introduction

Section A, Biographical

Section B, Oxford University

Section C, Scientific research,
writings, conferences

Section D, Scientific correspondence

Section E, Publications, lectures,
speeches

by Jeannine Alton and Julia Latham-Jackson
CSAC catalogue 80/4/81

CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

under the guidance of the Royal Society's

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

Catalogue of the papers of

FREDERICK ALEXANDER LINDEMANN, C.H., F.R.S.

VISCOUNT CHERWELL OF OXFORD

(1886 - 1957)

Deposited in the Library of Nuffield College, Oxford

VOLUME I

List of contents

General introduction

Sections A - E

Compiled by: Jeannine Alton

Julia Latham-Jackson

1981

All rights reserved

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

The Anatomical Society of Great Britain and Ireland

The Biochemical Society

The British Pharmacological Society

The Charles Babbage Foundation for the History of Information
Processing

The Institute of Physics

The Institution of Electrical Engineers

The Nuffield Foundation

The Physiological Society

The Royal Society of London

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

THE LIBRARIAN
NUFFIELD COLLEGE
OXFORD

LIST OF CONTENTS

		<u>Items</u>	<u>Page</u>
GENERAL INTRODUCTION			7
SECTION A	PERSONAL AND BIOGRAPHICAL	A.1 - A.136	18
	A.1 -A.90	Career, appointments and honours	
	A.91 -A.101	Family correspondence	
	A.102-A.119	Personal and domestic correspondence	
	A.120-A.130	Financial correspondence	
	A.131-A.136	Photographs, press-cuttings, miscellaneous	
SECTION B	OXFORD UNIVERSITY	B.1 - B.166	37
	B.1 -B.90	The Clarendon Laboratory With an introductory note	
	B.91 -B.98	Oxford science departments and institutes	
	B.99 -B.119	General correspondence on university affairs, 1929-57 With an introductory note	
	B.120-B.123	Wadham College, 1919-56 With an introductory note	
	B.124-B.132	Christ Church, 1921-57 With an introductory note	
	B.133-B.138	Other Oxford colleges	
	B.139-B.146	Oxford University clubs and societies	
	B.147-B.166	Correspondence and papers on the Oxford roads problem, 1953-57 With an introductory note	

List of contents

		<u>Items</u>	<u>Page</u>
SECTION C	SCIENTIFIC RESEARCH, WRITINGS, CONFERENCES	C.1 - C.89	61
SECTION D	SCIENTIFIC CORRESPONDENCE	D.1 - D.266	76
	Introduction to Section D		
SECTION E	PUBLICATIONS, LECTURES, SPEECHES	E.1 - E.137	118
	Introduction to Section E		
	E.1 -E.21 Science		
	E.22 -E.60 Politics		
	E.61 -E.103 Education		
	E.104-E.137 Invitations and correspondence, 1919-57		
SECTION F	SECOND WORLD WAR	F.1 - F.419	137
	PREPARATIONS AND STATISTICAL SECTION, GENERAL PAPERS		
	Introduction to Section F		
	F.1 -F.39 Pre-war papers on air defence, 1921-39 With an introductory note		
	F.40 -F.87 Formation and organisation of the Prime Minister's Statistical Section ('S Branch') With an introductory note		
	F.88 -F.252 Minutes exchanged between Cherwell and Churchill, 1939-45 With an introductory note		
	F.253-F.257 Cabinet Papers, 1940-45		
	F.258-F.394 Charts prepared by the Statistical Section With an introductory note		
	F.395-F.419 Miscellaneous minutes and correspondence, 1939-51		

List of contents

		<u>Items</u>	<u>Page</u>
SECTION G	SECOND WORLD WAR	G.1 - G.550	186
	STATISTICAL SECTION, MILITARY AND SCIENTIFIC TOPICS		
	Introduction to Section G		
	G.1 - G.100 British and German Air Force Strength Includes some material <u>re</u> other aspects of air warfare With an introductory note		
	G.101-G.141 Anti-U-boat warfare		
	G.142-G.151 Other naval papers		
	G.152-G.443 Weapons, defensive devices, military organisation and strategy With a list of contents and introductory note		
	G.444-G.499 Inventions and ideas With an introductory note		
	G.500- G.525 Armament requirements and production; strength and organisation of British and German ground forces		
	G.526- G.533 Organisation of scientific and technical research		
	G.534- G.550 Other military and scientific topics		

List of contents

		<u>Items</u>	<u>Page</u>
SECTION H	SECOND WORLD WAR	H.1 - H.321	265
	STATISTICAL SECTION, ECONOMIC TOPICS		
	Introduction to Section H		
	H.1 -H.66 Food and raw materials With a list of contents		
	H.67-H.94 Allocation of manpower		
	H.95-H.100 Shipping		
	H.101-H.113 Distribution of resources		
	H.114-H.144 Foreign economic policy		
	H.145-H.157 Home economic policy		
	H.158-H.207 Lend- Lease		
	H.208-H.267 Post-war reconstruction With a list of contents		
	H.268-H.289 Post-war treatment of Germany		
	H.290-H.321 World food supplies and relief		
SECTION J	POLITICS AND THE CONSERVATIVE PARTY	J.1 - J.163	313
	Introduction to Section J		
SECTION K	PERSONAL AND SOCIAL CORRES- PONDENCE	K.1 - K.327	342
	Introduction to Section K		
CONSPECTUS OF FILE-NUMBERS			367
	With an introductory note		
INDEX OF CORRESPONDENTS			404
	With an introductory note		

GENERAL INTRODUCTION

PROVENANCE AND HISTORY OF THE COLLECTION

The history of the collection is long, complex and in many respects uncertain. The following dates and stages may be distinguished.

In 1945 Cherwell took to Oxford his wartime papers, which are referred to in correspondence of that year with T. Wilson (see F.85). The files were given some listing on receipt at the Clarendon Laboratory by two members of Cherwell's staff (J.R. Parkinson and N.B. Giles), but no incontrovertible dated evidence remains of that ordering.

Cherwell frequently consulted the material at the request of other historians, in particular Churchill, to verify specific matters of the history of the war (see, inter alia, D.117, F.87, G.348, G.437-440, G.550, J.97, K.69, K.241) but always refused to write his own account of his career or work.

In 1948 typescript copies were made from the originals of some of Cherwell's minutes to Churchill for 1939 - 42; this was arranged with T. Wilson and is also referred to in his correspondence with Cherwell in item F.85. The copies themselves appear at F.217 - F.228.

In 1957 Cherwell died, a bachelor, in his rooms at Christ Church, Oxford. In his will he left his papers to his elder brother, Brigadier Charles Lindemann, with the proviso that, in the event of his brother's predeceasing him, he would like Sir Donald MacDougall to have the papers. At the time of Cherwell's death, Brigadier Lindemann was in the U.S. and in poor health, and in 1961 the papers were deposited by Sir Donald MacDougall in the Library of Nuffield College, Oxford, of which he was a Fellow. Before this they had been first at Christ Church and from 1958 - 61 in the care of Lord Birkenhead, author of the official life of Cherwell, The Prof in two worlds (Collins 1961). When Charles Lindemann died in 1970, the English-Speaking Union was his residuary legatee; the Union has retained the copyright of Cherwell's personal papers, but has left the papers with Nuffield College on indefinite loan.

Before transfer from Christ Church to Lord Birkenhead the papers were examined by P.J. Searby who had been Private Secretary to Lord Cherwell as Paymaster General

General introduction

1952 - 53 and had exercised oversight of the papers subsequently issued to Lord Cherwell as Part-time Member of the U.K. Atomic Energy Authority from 1954 until his death in 1957. While no formal review of the papers was undertaken at this time, some material of particular sensitivity was removed (see H.174) to official Archives and partial Minute Sheets were made for a small number of the correspondence files. A further examination also covering some additional papers was carried out in about 1960 in conjunction with Lord Birkenhead's Research Assistant, Miss Otto; to this latter period would appear to belong the numerical sequences written in very large blue pencil characters on some of the manuscripts.

In 1961 Birkenhead published the official life of Cherwell, for which he had had access to the papers, referring to them in the footnotes to his book as 'Cherwell Archives'. He and his research assistants made various notes on aspects of Cherwell's life and work (see A.30, A.128, F.22) and brief biographical outlines of some of his correspondents, several of which remain in the relevant folders.

In 1965 - 66 a further major sorting and review took place, by J.M. Pye, Official Archivist, United Kingdom Atomic Energy Authority, advised by P.J. Searby, and an outline list was drawn up. The main principle adopted was a division into 'Official' and 'Personal', primarily for considerations of security for government papers included in Cherwell's material. Thus the 'Official' papers (OFF. in the outline list) were deemed to be those relating to Cherwell's service in the Churchill wartime and postwar administrations, and the 'Personal' files (PERS. in the outline list) would be concerned with Cherwell's scientific, academic and social life. This distinction, implemented on broad lines and on an essentially chronological basis, was never absolute. OFF. and PERS. files overlapped in subject-matter, correspondent, origin or simply the taking of multiple carbon copies. PERS. files might contain political or official material, while OFF. files could include minor social or personal items which happened to bear a wartime date.

A certain degree of 'weeding' also took place in the course of this review; see A.17, E.22, F.2 for notes of material destroyed.

Since the 1965 - 66 review, the papers (chiefly those in the OFF. sections) have been consulted by historians of science, biographers of Churchill, students of the

General introduction

Second World War, and others. Several of these appear to have left notes or markings on the manuscripts, and may have further disturbed their order. In addition, the material has been reviewed periodically by the Cabinet Office in order to re- or de-classify government papers as they became available to readers under the 30-year rule or other appropriate regulation. The latest of these reviews was in 1980, and it has largely eliminated the distinction between OFF. and PERS. files imposed in 1965.

This last consideration, coupled with the facts that Cherwell's original ordering of his papers could no longer be traced, and that the existing files were of unmanageable bulk and disparate content, prompted the decision to undertake a fundamental re-sorting of the whole collection. The papers are now presented as shown in the List of Contents.

In order to help researchers who had already consulted the papers and made references on the basis of the 1965 - 66 listing, and at the request of Nuffield College, a Conspectus of file-numbers has been compiled for all papers assigned to the OFF. files (see the note on the Conspectus below). The PERS. files are not included in the Conspectus, mainly because fewer readers to date have wished to consult those sections of the collection. It is hoped that a reading of the catalogue entries (now much more comprehensive) and index of correspondents will enable users to identify such material and indeed to locate other papers on the same topic which they had not previously been able to trace.

Many of the documents bear an array of annotations, identifications, suggestions for date or recipient, numerical sequences, etc. in black, red or blue pencil, ink or ball-point pen. These have not been erased, but they bear no relation to the present arrangement. The only relevant indications now on the papers are the OFF. numbers, in pencil at the head of the sheet where required.

DESCRIPTION OF THE COLLECTION

Several biographical accounts of Cherwell have already been published and are mentioned here in chronological order. The Memoir by G.P. Thomson (Biographical Memoirs of Fellows of the Royal Society, 4, 1958) concentrates primarily on Cherwell's

General introduction

scientific career in peace and war, though as one of Cherwell's oldest personal friends (indeed, almost the only remaining early colleague who had maintained continuous friendly relations with him) he was also able to include some biographical material.

R.F. Harrod's The Prof (Macmillan 1959), is subtitled 'A Personal memoir of Lord Cherwell' and described by the author as 'drawing on my own recollections only'. As a Student of Christ Church, 1924 - 67, Harrod had many contacts with Cherwell, and his book contributes many anecdotes of Cherwell's personality, and his part in social and political events from the Thirties onwards. Harrod was especially closely associated with Cherwell during the latter's Conservative political campaigns of 1935 - 36, and with the Prime Minister's Statistical Branch from 1 January 1940 until early 1942.

Birkenhead's The Prof in two worlds (Collins 1961), is the official life, drawing on manuscript sources, recollections by family, colleagues, politicians and others. It is the fullest account extant, and has been drawn upon, and quoted, from time to time in compiling this catalogue.

With these accounts in print, it is assumed that the basic facts of Cherwell's career are known and need not be rehearsed. The following paragraphs attempt only to explain the present arrangement of the papers and to indicate how and where the manuscript collection may confirm, complement or modify the accepted view. In addition, there are introductory notes to many of the Sections, sub-sections and individual entries of the catalogue which aim to furnish explanatory information.

Sections A and K of the collection deal mainly with Cherwell's personal and social life. Of interest are his pilot's logbooks (A.11, A.12) documenting his tuition as a pilot at Netheravon in 1916. It is characteristic that there are, mysteriously, two of these and that they should give varying information. The first (A.11) records instruction starting on 9 September 1916 with a 'First Solo' on 16th and two other solo flights on 16th and 17th, followed by another 'First Solo' on 22nd. The other log (A.12) covers only eight days (20-28 September 1916) and also records a 'First Solo' on 22nd. This entry has been ringed by a previous researcher and seems to have been taken hitherto as the correct date of Cherwell's first solo flight. Section A also contains family correspondence showing Cherwell's close relations with his father,

General introduction

A.F. Lindemann, and his elder brother, C. L. Lindemann, and material relating to some of his own idiosyncrasies of diet and health, lordly modes of travel, and the considerable wealth which underpinned his independence of mind. There is also evidence of his generosity to his personal servants, to staff and colleagues (and their families) at the Clarendon Laboratory, and the many discreet, almost surreptitious, benefactions he dispensed. Section K confirms this by the numerous letters of thanks for Christmas, birthday, 'non-birthday' or wedding presents received not only from Cherwell's own friends but from their young families. It is greatly to be regretted that very few of Cherwell's own letters survive in this Section, presumably because they were handwritten and no carbon copies were kept.

Section B is primarily concerned with Cherwell at Oxford, as Head of the Clarendon Laboratory, Fellow of Wadham, resident at Christ Church and involved in various aspects and controversies of the University. It documents his struggles to obtain equipment, posts, funding and building for the laboratory, his initiative in identifying and encouraging Jewish scientists wishing or obliged to leave Germany when the Nazis came to power, and his consequent negotiations with the university, industrialists and politicians to provide research funds, space and equipment. The resulting excellence of the Clarendon Laboratory (notably in low temperature research) is well known. Cherwell also helped to make it possible for the young R.V. Jones to carry out there his early infrared research (see the correspondence in D.123 - D.125).

Cherwell's skill as a polemicist is shown in different fields and with different degrees of credit, in his rearguard action over premises in Keble Road, Oxford, originally leased for a research project, and in his contributions to the public controversy over the draconian proposal to solve Oxford's traffic problems by a road through Christ Church Meadow. Section J supplies further illustration of Cherwell's enjoyment of in-fighting in prewar Oxford Conservative politics.

As a counterbalance to this almost too well-known side of his character, Section B contains (B.126) a few drafts for speeches given in his later more mellow years at social gatherings at Christ Church. Here, on a relatively small stage and with congenial

General introduction

listeners, his wit - often recalled by friends but not otherwise recorded - is well displayed, steering a delicate course between raillery and mockery, choosing appropriate anecdotes and references and achieving with grace the difficult balance required by such intimate, semi-domestic occasions.

Sections C and D, together with parts of Section E, relate to Cherwell as a scientist. They show him in several lights. His début in research could hardly have been more auspicious, when he was chosen by Nernst in 1908 for the team in Berlin working on specific heat and low temperatures. He published collaborative papers with Nernst and became a lifelong friend of him and his family. To this time also belongs his affectionate, and similarly lifelong, friendship with Einstein; many of Cherwell's notes, lectures and articles are concerned with explaining and gaining acceptance of Einstein's theories among the general educated public. This period of 'pure' research was ended by the outbreak of war in 1914; later, Cherwell worked on aspects of meteorology and astronomy, sometimes in collaboration with his father, and his early brilliance in research was recognised by his election to the Chair of Experimental Philosophy at Oxford in 1919, and to the Fellowship of the Royal Society in 1920. Many of the surviving drafts and papers of these early years are in German.

Another aspect shows Cherwell as an ingenious inventor and patenter of contrivances and designs. Many of these arose from his work at Farnborough during the 1914-18 war, or from private research in the laboratory of the Lindemann family home at Sidmouth.

The scientific correspondence (Section D) reflects in its patchiness the ambiguous position Cherwell occupied in the eyes of some of his scientific colleagues. Some felt that he had ceased to do productive research after about 1924, others that he was damagingly preoccupied with rank, high society and political manoeuvring. His declared support for the Conservative party is also likely to have contributed to his isolation from a considerable proportion of the scientific community during the Thirties. There remain, however, interesting exchanges with W.F. Aston, G.I. Taylor, W.H. Nernst, J.L. Tuck and others; the material in D.53 - D.69, while concerned mainly with visits and lectures by Einstein, testifies to the mutual respect and affection between him and Cherwell.

General introduction

Section E includes some additional scientific writings, of a more general and popular kind than those in Section C, but more importantly shows Cherwell as an embattled defender of the importance to the life of the community of science, scientific research, and the scientific habit of mind. He campaigned endlessly for more money and more respect for the scientist - in early years somewhat negatively by decrying what seemed the opposed values of a 'classical' education, and in later life more positively by pressing for the expansion of technological education through new universities or institutions. His last piece of work (E.100) was devoted to this subject. See also G.526 - G.533, H.236 - H.253 for Cherwell's wartime activities in this field.

It is, however, for his friendship with Churchill and its political consequences that Cherwell is most widely known. Begun in 1921, the friendship continued with no diminution of regard on either side, and despite staggering disparities of temperament and habit, until Cherwell's death. The episode of the aged Churchill's insistence on attending the funeral service and ceremony in 1957 has been referred to in the published biographies of Cherwell.

This friendship permeated much of Cherwell's life, and its documentation is in consequence diffused through many Sections of the collection. The correspondence in Section K shows the personal aspect of the relationship, Churchill's use of Cherwell as a source of information and advice, and Cherwell's acceptance by the whole Churchill clan as a warm family friend. The political relations between the two begin and end in Section J, firstly in the 1920s and 1930s, and later from 1945 to 1953 when Cherwell was an adviser to Churchill's Consultative Committee in opposition, or in office as Paymaster-General in his administrations. Between these comes the 1939 - 45 Second World War which is very fully documented in Sections F, G and H.

These three Sections are best considered as a unit. Apart from some preliminary material (F.1 - F.39) concerned with increasing anxiety during the interwar years about the problem of air defence in war, and the various solutions proposed (including papers on the 'Tizard Committee'), all three relate to the work of the Statistical Branch, later known as the Statistical Section. This was formed at Churchill's request to assemble and assimilate statistics and data and to present them to him in accessible,

General introduction

rapidly intelligible form, originally in his capacity as First Lord of the Admiralty and then as Prime Minister. A minute detailing the functions of the organisation is quoted in the Introduction to Section F and included at F.41.

Broadly speaking, Section F contains the material presented by the Statistical Section to Churchill in its final form - as a graph, chart or diagram, and/or a personal minute from Cherwell to Churchill, sometimes accompanied by a draft minute or recommendation to be sent by Churchill to the appropriate minister. These documents provide an interesting picture of the working relationship between Cherwell and Churchill throughout the period 1939 - 45.

The charts or minutes were the distillation of the wide-ranging activity of the Statistical Section and rested on background research through committee or departmental papers, official correspondence, information from scientific colleagues, etc. This background material, which provides fuller information than the summary minutes, occupies Sections G (scientific and military topics) and H (economic topics). The separate Introductions to all three Sections, and to many of their sub-sections, explain in more detail the nature and interest of the material, which enables the advice tendered by Cherwell and the Statistical Section - frequently the target of adverse criticism both at the time and subsequently - to be substantiated or placed in perspective by its contemporary research and thinking.

It is unfortunate that so few of Cherwell's own letters survive in any Section of the collection. Incoming letters in Section K make clear how successful he could be in society. He was often derided for collecting Duchesses, and may well have done so initially; but they for their part seem to have been reluctant to let him go.

BY ANY OTHER NAME

F.A. Lindemann took the title of Cherwell of Oxford when he was created Baron in 1941. It was under this name that he became a national figure as adviser and minister to Churchill, though his scientific colleagues continued to think of him as Lindemann. Despite his love and respect for his father and elder brother among his

General introduction

immediate family, it is likely that he was not reluctant to replace a name with Germanic resonances (and which had often been the subject of wounding reflections and unfounded gossip) with a title expressing his identification with Oxford and his intense patriotism for Britain, particularly in time of war. In the narratives and entries of this catalogue he is referred to consistently as Cherwell, though both names appear on the reference title at the head of each page.

It was not, however, only his surname which Cherwell appears to have found uncomfortable. More unaccountably, his two imperial forenames, Frederick Alexander, were also shunned, and he tended to sign letters with initials only. The family pet-name

for him was 'Peach' and it is not surprising that only a very few close friends (such as the Egertons) ever learnt or ventured to write it, though Cherwell himself signed his early letters to his father in this way. Tizard, in the early days of their friendship, addressed him as 'Lindy', and Cherwell's much-loved elder brother Charles sometimes wrote to 'My dear Old Man', but Cherwell did not encourage intimacy; the name 'Prof', with or without the definite article and abbreviation mark, and variously spelt with single and double 'f', was hit upon apparently by Lady Eleanor Smith (see Birkenhead, The Prof in two worlds, pp.128-129) and seems in retrospect an inspired solution. It enabled him to hide his personality behind a function, yet conveyed in its abbreviated form an affectionate informality. At all events, it became his 'name' for personal and social purposes for the rest of his life.

Like Cherwell himself, many of the political and social figures who appear in his papers changed their names by succession to hereditary titles or by the award of honours. Some, such as H.R. Trevor-Roper, now Lord Dacre, have done so while the catalogue was in preparation. In such cases, names are given in the Index under both the patronymic and the title of honour, the reference numbers being listed under the name borne by the writer at the time when the correspondence (or the greater part of it) was conducted. Thus, F. Pakenham is listed under P with a cross-reference under Longford, Trevor-Roper under T cross-referenced under Dacre, D. Sandys under S cross-referenced under Duncan-Sandys, A. Lennox-Boyd under L cross-referenced under Boyd of Merton.

General introduction

CONSPECTUS OF FILE-NUMBERS

As explained in the note above on the history and provenance of the collection, the Conspectus was compiled to assist readers and researchers who had already consulted and made references to Cherwell's papers on the basis of the 1965 - 66 outline list.

The Conspectus appears in Vol. III, pp.367-403 and relates the OFF. (= Official) numbers, which are listed in the left-hand column, to the present item-numbers which are listed on the right. The presence of an item-number indicates that the folder of that number in the present catalogue includes one or more pieces which had originally been in the OFF. file. Every document in question can be identified by the former OFF. number in pencil at the head.

Exact duplicates have been discarded in order to ease pressure on library space. When, as frequently happened, multiple copies were taken with the result that a letter or document might feature in one or more OFF. (and sometimes also PERS.) files, all the relevant OFF. numbers appear on the remaining paper. It will be seen that the contents of many of the OFF. files (e.g. OFF. 21.1, 38.1, 43.1) are now widely distributed; that is because they were often unmanageably large and (correctly) designated 'miscellaneous' or 'general correspondence'. Conversely, many of the present folders have been assembled from a variety of OFF. and PERS. files; examples of this are G.26, G.28 (on the size of the German Air Force), D.23, D.24 (correspondence with M. Born), D.194 (correspondence with A.P. Rowe), D.245, D.246 (correspondence with J. L. Tuck), K.40 (correspondence with Brabazon of Tara), K.186 (correspondence with I. Lubin). It is hoped that the smaller size and more rational arrangement of the present folders will make the material simpler to use.

INDEX OF CORRESPONDENTS

The Index includes the names of individuals, and of organisations and learned societies. Index numbers may refer to postal correspondence or to signed reports and memoranda exchanged with or forwarded to Cherwell. A reference number may therefore indicate a folder containing any or all of these types of material, particularly when they are in Sections F, G or H.

General introduction

In cases where only Cherwell's carbon copy survives, the name of the correspondent is not listed here.

There is no subject-index. Lists of topics covered in specific sequences appear at G.152 - G.443, H.1 - H.66, H.208 - H.267.

ACKNOWLEDGEMENTS

We are grateful for help and information from many sources and in particular to:

The Librarian and staff of Nuffield College Library, Oxford.

Mr. M. MacLagen, for help in identifying the names of correspondents, especially in Section K.

Professor M.M. Gowing, Sir Donald MacDougall, Professor J.R. Parkinson, Miss J. Pye and Mr. P.J. Searby, for comments on the draft catalogue.

Mrs. M.M. Edwards, for careful and accurate typing, and for her patience.

J.B. Alton

J. Latham-Jackson

SECTION A PERSONAL AND BIOGRAPHICAL A.1 - A.136

		<u>Page</u>
A.1 - A.90	CAREER, APPOINTMENTS AND HONOURS	19
A.91 -A.101	FAMILY CORRESPONDENCE	29
A.102-A.119	PERSONAL AND DOMESTIC CORRESPONDENCE	32
A.120-A.130	FINANCIAL CORRESPONDENCE	34
A.131-A.136	PHOTOGRAPHS, PRESS-CUTTINGS, MISCELLANEOUS	36

Personal and biographical

- A.1-A.90 CAREER, APPOINTMENTS AND HONOURS
- A.1 Grossherzogliches Realgymnasium zu Darmstadt.
Report on Friedrich Lindemann, 1900.
- A.2 Grossherzogliches Technische Hochschule Darmstadt.
Reports on Friedrich Lindemann, Summer Semester 1905-Winter Semester 1907-08.

See A.74, A.75 for correspondence re Jubilee reunion with classmates of Realgymnasium.
- A.3 Königliche Friedrich-Wilhelms-Universität zu Berlin.
Record book of Cherwell's studies in physical chemistry, signed by Nernst. 1912-13.

Recommendation for Cherwell by Nernst, recording work in his laboratory since 1908. 1 March 1914.
- A.4 Election as Member, Société Française de Physique, February 1913.
(Letter signed by M. de Broglie.)
- A.5 Letter re Cherwell's entry for tennis singles tournament, Paris, May 1913.
- A.6-A.8 Cherwell's visit to University of Chicago, June-September 1913.
- A.6 Correspondence from R.A. Millikan re invitation and arrangements.
Farewell telegram from de Broglie.
Letter of introduction.
- A.7 Letter of introduction from J.C. Grew (Counsellor, American Embassy, Berlin).

Also included here is a letter from Grew, 1915, re Charles de Suppé and Nernst.
- A.8 Correspondence re tennis and social engagements.
Postcards sent to his father by Cherwell during visit.
- A.9 Unidentified card, re Cherwell's plans. November 1913.
Cherwell's National Registration card, as 'Scientific Investigator', issued at Sidmouth, 1915.

Personal and biographical

- A.10-A.17 Royal Aircraft Factory (later Royal Aircraft Establishment), Farnborough, 1915-18.
- Includes some later material to 1957 re Cherwell's work and interest in aeronautics, history of R.A.E., etc.
- Some of Cherwell's papers and reports on aeronautics written during his service at Farnborough, appear at C.11-C.31. Others were destroyed during the review of his papers in 1965, see A.17 below.
- A.10 Correspondence, 1915-16, with M. O'Gorman (Superintendent, Royal Aircraft Factory) re Cherwell's appointment as temporary technical assistant at a salary of £3 per week, and his service there.
- A.11, A.12 Pilot's Flying Log Books (2), both in Cherwell's hand.
- A.11 Entries run '9.IX' [1916] to '3.I. 1918' (N.B. This is an error for 1919).
- Entries are officially endorsed to 24 January 1917, and include passenger names and details of tests carried out.
- 'First Solo' is entered on '16.IX. 9.05-9.10 a.m.' and this is endorsed. The following page also bears an entry 'First Solo' for '22.IX. 6.50-7.05 p.m.'
- A.12 Entries run '20.IX' to '28.IX' [1916] only. There are no official endorsements.
- 'First Solo' is entered on '22.IX. 6.50-7.05 p.m.'
- A.13 Graduation Certificate, Royal Flying Corps, 25 October 1916.
- Letter from Capt. Cooper, 16 November [1916], who was one of Cherwell's flying instructors and who endorsed most of the 1916 entries in A.11.
- A.14 Correspondence re history of 'The War in the Air', by Sir Walter Raleigh. 1919, 1921
- Correspondence re Cherwell's 'spinning flight' during war. 1932
- Correspondence on same subject with Official Air Historian. 1933
- Correspondence re R.A.F. Mess, Hucknall. 1936

Personal and biographical

- | | | |
|-----------|---|--------------------------------------|
| A.15 | Copy of 'A Historical Summary of the Royal Aircraft Factory and its Antecedents', sent to Cherwell with request for photograph. | 1946 |
| A.16 | 2 draft letters to B. Bracken <u>re</u> spinning flight.
Invitation to 50th anniversary celebration of first powered flight.
Correspondence <u>re</u> portrait of M. O'Gorman.
Correspondence <u>re</u> Cherwell's request for copies of his R.A.E. papers.
Correspondence <u>re</u> spinning flight. | 1953
1953
1954
1955
1957 |
| A.17 | Note of R.A.E. reports by Cherwell, destroyed during 1965 review of his papers, but available in the records of R.A.E. Farnborough.
See also E.19, E.20. | |
| A.18 | Invitation to lecture on 'Practical Experiments in the Stability and Control of Aeroplanes', Royal Aeronautical Society. | 1918 |
| A.19 | Note of Cherwell's book account, and of books and journals purchased at Dommes the Bookseller, Cologne. | 1919 |
| A.20-A.23 | Election as Professor of Experimental Philosophy, Oxford University. | 1919 |
| A.20 | Autograph letter of application, miscellaneous lists of publications, printed testimonials from J.J. Thomson, A.A. Michelson, R.A. Millikan. | |
| A.21 | Correspondence with referees and sponsors:
de Broglie (includes request for information on origins of Cherwell's family, to forestall possible reflections cast upon it)
P. Langevin
A.A. Michelson
R.A. Millikan (and Cherwell's reply)
Rayleigh
J.J. Thomson
H.T. Tizard | |

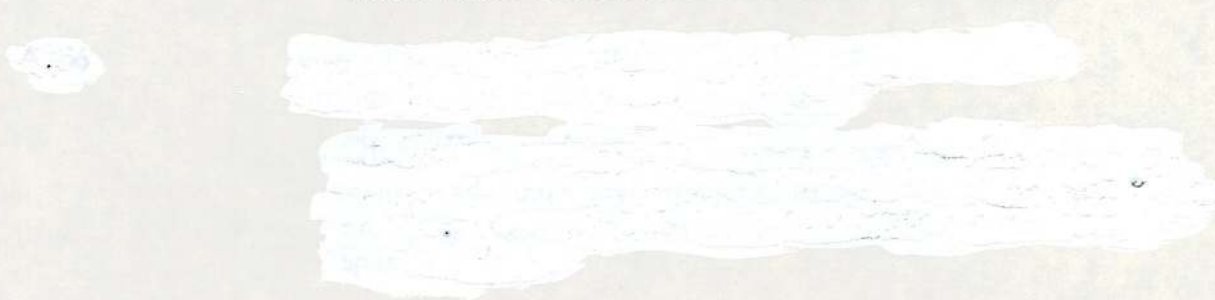
Personal and biographical

- A.22 Correspondence with Registrar, Oxford University, and Warden, Wadham College, re election.
Arrangements for Cherwell's M.A. by Decree.
- A.23 Letters and telegrams of congratulation.
- A.24 Letters from Jeans and Fowler, offering to propose Cherwell for Fellowship of the Royal Society. 1919
Letters of congratulation on election. 1920
- A.25 Correspondence re formation of Board of Trade Fuel and Power Committee, and Cherwell's appointment to serve. 1926
List of Members of Committee.
Also included here is ms. draft of Cherwell's letter to 'Dear P.M.' on the General Strike and coal negotiations.
- A.26 Correspondence re 'The Heights', Marlow. 1927-35
Mainly re purchase of the property (for Cherwell's father) and installation of electricity.
- A.27 Election as Fellow, Royal Aeronautical Society. 1928
Letter re Dinner at the Other Club. 1930
Letter of thanks on termination of Cherwell's service on Advisory Council for Scientific and Industrial Research. Cherwell's reply stresses the importance of expenditure on scientific research. 1930
- A.28 Letters of condolence received on the death of A.F. Lindemann (Cherwell's father). 1931
Some include personal and biographical recollections.
- A.29 Letter proposing Cherwell as member of the Royal Institution. 1932
- A.30 Letter from Cherwell to President, Oxford Union, re his family, in which he writes: 'I can state categorically that I am not a Jew and do not number any Jews amongst my ancestors'. 1936
Included here is a 3 pp. note prepared for Birkenhead's biography of Cherwell, on 'German scientists', recording his activities in helping Jewish refugee scientists from Germany.

Personal and biographical

- A.31 Letter from Vice-Chancellor asking Cherwell to represent Oxford at Rutherford's funeral. 1937
- A.32 Correspondence re proposed visit by Cherwell to Canada in September 1938, which he cancelled because of political situation.
See also Cherwell's correspondence with his brother, A.96.
- A.33 Correspondence re conferment of Hon. LL.D. at Aberdeen. 1940
- A.34 Correspondence, June-July 1941, re Cherwell's financial position.
Includes autograph draft reply by Churchill to question in the House, 17 June 1941, 'To ask the Prime Minister if he will state the duties and remuneration of Professor Lindeman' (sic), and related correspondence.
Cherwell was raised to the peerage in the Birthday Honours and the question was withdrawn.
- A.35-A.41 Conferment of Barony. 1941
- A.35 Letter from Churchill, undated, announcing his intention of recommending Cherwell for Barony.
Correspondence with supporters re introduction into House of Lords.
- A.36 Correspondence with Charles Lindemann re crests and arms.
The letters are addressed variously to 'My dear Baron', 'My dear F.A.' and 'My dear old man'; in his letter of 12 June, Charles Lindemann suggests the title 'Baron Christ of Church'.
Includes examples of family seals.
- A.37 Correspondence with Garter re Letters Patent, Arms, Crest, etc.
Includes photocopy of letter, 1918, re Lorrain origin of Lindemann family.
- A.38-A.41 Letters of congratulation, many referring to Cherwell's wartime work. 4 folders as follows:
- A.38 A - B
- A.39 C - L
- A.40 M - P
- A.41 R - W and unidentified.

Personal and biographical

- | | | |
|-----------|--|------|
| A.42 | Request for Cherwell's photograph for National Portrait Gallery. | 1941 |
| | Invitation to join Empire Parliamentary Association. | 1941 |
| A.43 | Correspondence with Lord Chancellor <u>re</u> propriety of Cherwell's speaking in debates in House of Lords, while working as unpaid personal assistant to Prime Minister. | 1942 |
| A.44 | Election as Member, National Geographic Society (Washington, D.C.). | 1943 |
| | Includes some earlier correspondence <u>re</u> Society. | 1932 |
| A.45-A.53 | Appointment as Paymaster-General and Privy Councillor, | 1943 |
| A.45 | Official notifications. | |
| A.46-A.52 | Letters of congratulation. 7 folders as follows: | |
| A.46 | A (Includes 3 epigrams by Andrade) | |
| A.47 | B - C | |
| A.48 | D - H | |
| A.49 | I - L | |
| A.50 | M - P | |
| A.51 | Q - S | |
| A.52 | T - W and unidentified | |
| A.53 | Correspondence, 1945, <u>re</u> Cherwell's formal relinquishment of his office of Paymaster-General. | |
| A.54 | Correspondence, 1945, <u>re</u> petrol allowance for Cherwell's duties as member of the Radio Board. | |
| A.55 | Correspondence <u>re</u> portraits of Cherwell. | 1946 |
| | With War Artists Advisory Committee, and with artist, <u>re</u> portrait by Henry Carr. | |
| | With R.A.F. Colour Portrait Collection Committee. | |
- 

Personal and biographical

- A.56 Correspondence with Churchill, 1950-52, re Cherwell's service in Churchill's administration.

Cherwell was reluctant to serve as a member of the Government, and would have preferred to help Churchill as a private advisor. Churchill, however, felt that his services were 'of special value' and obtained leave of absence for him from Oxford for 1951-52 and again 1952-53. In October 1953 he reluctantly accepted Cherwell's resignation (see A.68).

Includes copies of letters from Oxford University officials.

- A.57-A.65 Letters and telegrams of congratulation on appointment as Paymaster-General. 1951

Some of these include biographical or personal recollections, comments on the political situation, suggestions for action, etc. Some have Cherwell's reply attached.

9 folders as follows:

A.57	A
A.58	B - C
A.59	D
A.60	F - J
A.61	K - L
A.62	M - N
A.63	P - R
A.64	S - T
A.65	W

- A.66 Miscellaneous invitations, 1951, to attend conferences, act as President, the Physical Society, and of the Science Masters' Association (all declined due to pressure of work), and re Cherwell's room at the House which he shared with Ismay.

Personal and biographical

- A.67 Correspondence re 'Sidholme' (Cherwell's boyhood home at Sidmouth, Devon), which became a Methodist Guest House in 1931. 1952
- Correspondence re Conferment of Honorary Associateship, Manchester Municipal College of Technology. 1952
- Award of Messel Medal, Society of Chemical Industry, 1953
- See E.16 for Cherwell's speeches to the Society on the occasion of the conferment of the Medal.
- Cherwell's copy of a reply on the function of Co-ordinating Ministers (Cherwell and Leathers), sent to Leathers for amusement. 1953
- A.67A Correspondence, 1953, re Summons to the Coronation of H.M. The Queen.
- A.68-A.73 Resignation from Cabinet, and appointment as Member of the Companions of Honour. 1953
- A.68 Exchange of correspondence with the Prime Minister on resignation.
- Includes autograph draft of Cherwell's letter to Churchill explaining his reluctance to accept a C.H.
- (See Birkenhead: The Prof. in Two Worlds, p.316.)
- Correspondence re appointment as C.H. is also included here.
- A.69-A.73 Letters of congratulation, regret at Cherwell's leaving the Cabinet, etc. Many of Cherwell's replies regret what he called his 'loss of amateur status'.
- Several of the letters are from former students of the Clarendon Laboratory.
- 5 folders as follows:
- | | |
|------|-------|
| A.69 | B - C |
| A.70 | D - H |
| A.71 | J - M |
| A.72 | P - R |
| A.73 | S - Z |

Personal and biographical

- | | | |
|------------|---|---------|
| A.74, A.75 | Correspondence with former classmates of Realgymnasium, Darmstadt. | 1953-56 |
| | Mainly <u>re</u> arrangements for a Jubilee reunion in 1955 of the class of 1905 (Cherwell was unable to attend), and including news of former classmates. | |
| A.74 | Correspondence with W.G. Schmidt, 1953-56. | |
| | Includes a letter 1949 from K. Münkler, another member of the class, who died before the proposed reunion. | |
| A.75 | Correspondence with F. Sachs. | 1954-56 |
| A.76 | Invitation to serve as President, Radio Industry Council (denied because of continuing involvement with atomic energy). | 1954 |
| A.77 | Invitation (declined) to Associate Membership, American Institute of Management. | 1955 |
| A.78 | Correspondence with Oxford University <u>re</u> Cherwell's resignation of his chair. | 1955-56 |
| | See also B.55-B.59. | |
| A.79 | Correspondence with Censors, Christ Church, <u>re</u> Cherwell's retention of his rooms after his resignation of his chair. These were, as he explains here, and frequently elsewhere, his only home, which he was most reluctant to abandon. A rent of £250 was agreed, and Cherwell retained the rooms until his death. | 1955-56 |
| | Also included here is notification of Cherwell's election to an Emeritus Studentship of the House. | 1956 |
| A.80 | Election as Membre Correspondant, Section des Membres libres et des applications de la science à l'industrie, Institut de France, 1955, and a little later correspondence, 1956-57 | |
| A.81, A.82 | Conferment of Viscounty. | 1956 |
| A.81 | Letter from Prime Minister (Eden) proposing to put forward recommendation for Viscounty. | |
| | Arrangements for introduction into House of Lords, correspondence with sponsors, etc. | |
| A.82 | Letters of congratulation. | |

Personal and biographical

A.83-A.87	Award of the Hughes Medal of the Royal Society, November 1956.	1956
A.83	Notification of award of medal 'in recognition of your distinguished studies in many fields: the melting-point formula and theory of specific heats; ionization of stars; meteors and temperature inversion in the stratosphere'.	
A.84-A.87	Letters of congratulation. Many of these contain recollections and tributes to Cherwell's scientific achievements; several also refer to the death in October 1956 of Sir Francis Simon (q.v.) who had been Cherwell's successor-designate at the Clarendon Laboratory. In several cases the incoming letter has not survived and only Cherwell's reply remains.	
A.84	A	
A.85	B - J	
A.86	K - O	
A.87	P - Z	
A.88	Request (declined) that Cherwell accept nomination as candidate for office of Lord Rector, University of Glasgow.	1956
A.89	Correspondence, 1956, with publishers <u>re</u> possible autobiography (Cherwell refused). Request for photograph for National Portrait Gallery. Correspondence <u>re</u> visits to Wimbledon Lawn Tennis Championship.	1956 1956, 1957
A.90	Miscellaneous requests for biographical information.	1955-56.

Personal and biographical

A.91-A.101 FAMILY CORRESPONDENCE

In alphabetical order.

A.91-A.93 Correspondence with A.F. Lindemann (father), c.1899-1927.

A.F. Lindemann was a distinguished scientist in his own right, with a particular interest in astronomy. A man of wealth, he had a working laboratory installed at the family home, Sidholme, Sidmouth, and collaborated with his son in experiments and publications. The correspondence is therefore personal and scientific in the fullest sense. Cherwell had great respect and affection for his father and writes very openly about his work, career plans and activities.

A.91 Early correspondence, including letters from Blair Lodge (Cherwell's school), Berlin (1908) re Nernst's laboratory, Brussels (1911) re Solvay Conference at which Cherwell and de Broglie were secretaries, America, during visit to Chicago at invitation of R.A. Millikan (see A.6-A.8) and London (1913) re likelihood of Cherwell succeeding Clifton at the Clarendon Laboratory. Clifton was to retire in September 1914 but the 1914-18 War supervened and Cherwell was eventually elected in April 1919 (see A.20-A.23).

A.92 Correspondence, 1914-18.

On research and papers. Some of Cherwell's letters refer to his work and flying at Royal Aircraft Factory, Farnborough.

A.93 Correspondence, 1919-27.

Includes a letter (1919) to A.F. Lindemann from Knobel praising Cherwell after hearing a discourse by him.

Scientific and personal news, including Cherwell's difficulties with his rooms in Wadham, his meetings with Churchill, Westminster and others, and his search for a property nearer Oxford for his father; see A.26 re 'The Heights', Marlow. (Cherwell's mother died in 1927.)

See A.95, A.120, A.121 for correspondence re A.F. Lindemann's financial affairs.

See A.28 for letters of condolence received by Cherwell on the death of his father.

See Section C for correspondence on collaborative research and publications with A.F. Lindemann.

A.94

Letters from Charles Jules Adolphe, Count Lindemann, 1913-27.

Count Lindemann was cousin to A.F. Lindemann and head of the family. He adopted Charles Lionel, eldest son of A.F. Lindemann and Cherwell's elder brother, as his heir.

Personal and biographical

- A.94 Letters from Charles Jules Adolphe, Count Lindemann. 1913-27
- Count Lindemann was cousin to A.F. Lindemann and head of the family; he adopted Charles Lionel, eldest son of A.F. Lindemann and Cherwell's elder brother, as his heir.
- The letters, in both French and English, are social and personal.
- A.95-A.97 Correspondence with Charles Lionel Lindemann (elder brother). 1931-55
- These are mainly personal letters, sent from and to C.L. Lindemann's private addresses. See D.145-D.147 for letters exchanged 1939-43 from British Embassies in Paris and Washington where Lindemann held various posts and which relate to wartime projects.
- Several of the letters are undated and have been assigned a tentative place in the sequence.
- A.95 1930-38. Includes material re death and estate of A.F. Lindemann, financial and political affairs.
- A.96 1939-49. Includes telegrams and letters re C.L. Lindemann's serious illness in 1941, and re his Paris house during the Occupation.
- A.97 1950-55.
- A.98 Correspondence with Erika Lindemann. 1950-56
- (Daughter of Emil and last surviving member of continental branch of the Lindemann family.)
- Correspondence re family property.
- A.99 Correspondence with and re Frédéric Lindemann. 1955
- (Cherwell's nephew, son of James (Sepi), younger brother.)
- A.100 Correspondence with James (Sepi) Lindemann (younger brother).
- Postcard only, signed 'Sepi', 1913, letter 1940, and letters from Cherwell, 1937, 1942.
- Included here is a letter from Thérèse, James's widow, 1948 (see also A.128).

Personal and biographical

A.101	Correspondence with Olga Lindemann (mother).	1905-22
	Included here is a telegram from Linda (Vickers, later Kirkpatrick) (sister) announcing the birth of a son, 1916.	

Personal and biographical

A.102-A.119	PERSONAL AND DOMESTIC CORRESPONDENCE	
A.102	Correspondence on photography. With firms, newspapers and individuals on equipment and methods. Includes arrangements for J. Harvey to attend course at Kodak Limited, 1948. See also A.122, K.100.	1932-55
A.103, A.104	Correspondence <u>re</u> cars.	
A.103	Mainly <u>re</u> Mercedes-Benz.	1933-34, 1938
A.104	Mainly <u>re</u> Packard.	1942-54
A.105-A.107	Correspondence <u>re</u> Cherwell's health and diet.	1933-56
A.105	Correspondence with doctors and consultants. Includes reference to his brother's health, a ms. note from Mrs. Ethel Florey <u>re</u> penicillin ointment for Cherwell's eye (n.d.) and an example of Cherwell's diet as shown in one week's menus (1953).	1933-56
A.106	Correspondence <u>re</u> Cherwell's vegetarian foods. Includes correspondence from Clementine Churchill (1941) on the difficulties of feeding Cherwell, and from C. L. Lindemann and others on supplies of olive oil in wartime.	1941-44
A.107	Correspondence <u>re</u> cows. With estate managers, dairymen, etc., and with H.A. Halban who owned various cows jointly with Cherwell and shared the produce. See also D.117.	1945-53
A.108	Correspondence <u>re</u> Cherwell's London flat.	1947
A.109	Correspondence with Chief Constable of Oxford <u>re</u> Cherwell's revolver, 1948, and Oxford traffic, various dates. Included here is a letter (1933), possibly to a motoring organisation, <u>re</u> speed limit in Oxford.	
A.110	Miscellaneous shorter correspondence <u>re</u> domestic electrical equipment. Various dates.	1946-56

Personal and biographical

- A.111 Correspondence re travel in Europe.
Mainly requests for laissez-passer, hotel reservations, including Cherwell's holiday in Europe with his brother, 1954. Various dates. 1930-56
- A.112-A.119 Correspondence re Cherwell's staff. 1931-57
Includes letters appointing and dismissing staff, arrangements for the lease, furnishing and tenancy of accommodation, etc.
Cherwell's secretary and longest-serving member of his staff was James Harvey, to whom reference is frequently made. Many of the letters, however, show Cherwell's care for all those he engaged, and his frequent help when they were in financial, medical or personal difficulties. These represent some of the 'secret benefactions' referred to by Birkenhead in his biography The Prof. in Two Worlds, pp.272-4. There are shorter references to similar episodes in many of the more personal letters throughout the collection.
- A.112 Correspondence, 1937-48.
Includes letters re Kätchen Weber and Anna Thalmann, the Lindemann family servants, after their return to Germany on the death of A.F. Lindemann.
- A.113 Correspondence, 1948-52, re Mrs. Eda Beard, the Lindemann family nurse, who fell on hard times and appealed to Cherwell for help, which he provided annually.
- A.114 Correspondence, 1949; 1950; 1954-57, on behalf of various members of Cherwell's staff and their dependants.
- A.115 Miscellaneous correspondence by and re James Harvey. 1931, 1949-56
- A.116 Correspondence with Treasurer, Christ Church, Oxford, re lease of Cottage, Rose Lane Gate, for Cherwell's Secretary; includes copy of lease, 1939-40; some later correspondence re cottage, 1952-55.
- A.117 Correspondence with Treasurer, Christ Church, and others re lease of cottage in Blue Boar Street, Oxford, for Cherwell's chauffeur, 1938.
Some later correspondence re cottage and tenants, 1940-51.
- A.118 Letters of thanks from private individuals for loans, gifts or charitable acts by Cherwell.
- A.119 Personal requests for testimonials, advice on careers, etc. Not indexed. 1932-53

Personal and biographical

A.120-A.130 FINANCIAL CORRESPONDENCE

A.120 Copies of correspondence re securities deposited by A.F. Lindemann at Frankfurter Bank, 1914, and subsequent negotiations. Includes schedule of securities in August 1914 and August 1921.

An undated list of the copies, and summary of contents, is tagged into the folder.

A.121 Correspondence, 1925-31.

Re various claims by Cherwell and his family against the German authorities in respect of securities, holdings, funds, etc.

A.122 Correspondence, 1931-46, re Cherwell's investment in Colortone Limited.

Includes some correspondence re various films and processes tried out by Cherwell.

A.123 Brief correspondence, 1931-38, with accountants, stock-brokers, etc. re investments.

A.124 Correspondence, 1933, re special Life Assurance scheme.

A.125 Correspondence, 1932-56, with accountants and bankers re routine tax and financial matters.

Includes correspondence re property and bank accounts in Germany and America, and re an article by Cherwell for the bank's review, 1949.

See also E.124.

A.126 Correspondence, 1945-57, re Cherwell's Will, and various bequests and endowments made or proposed by Cherwell for his family and friends.

A.127 Correspondence with Bankers Trust Company re Cherwell's funds in America.

1931-53.

A.128 Correspondence, 1954-55, re £1500 paid into Cherwell's account in Paris in payment for an article on the political implication of nuclear weapons commissioned but not published by Look magazine. The Bank of England refused to allow him to leave the money there and insisted on its being exchanged and transferred.

Continued

Personal and biographical

- A.128 (cont'd) Included here are references to Cherwell's concurrent battles to provide extra funds for Mrs. Thérèse Lindemann and her family, and for Gräfin von Rex, an old friend living in poverty in Germany.

There is an undated schedule of the correspondence, perhaps compiled by or for Birkenhead, included in the folder.

See E.53 for the text of the article.

- | | | |
|-------|--|---------|
| A.129 | Miscellaneous shorter correspondence <u>re</u> subscriptions, accounts, etc. | 1935-54 |
| A.130 | Miscellaneous shorter correspondence <u>re</u> charities, appeals, etc. | 1931-56 |

Personal and biographical

A.131-A.136 PHOTOGRAPHS, PRESS-CUTTINGS, MISCELLANEOUS

A.131-A.134 Photographs.

A.131 6 sheets of photographs, mounted and some identified.

Includes photographs taken on Cherwell's visit to America, 1913, of tennis parties, of the Churchills, etc.

A.132 Envelope of photographs, mainly of tennis and house parties, but includes group of members of the de Broglie and Rochetaillée families.

A.133 Envelope of photographs sent to Cherwell by C.L. Lindemann during Second World War.

A.134 Photographs, 1944, of Cherwell with Wavell, Portal, Dudley Pound and others, with accompanying letter.

A.135 Miscellaneous press-cuttings. 1 box.

A.136 Miscellaneous items of biographical interest. 1 box.

Includes Cherwell's passports, official passes, Hughes medal certificate, Coronation medal, seating plans, visiting cards, etc., and autographed souvenir menu card from dinner on U.S. Flagship Augusta, August 1941.

<u>SECTION B</u>	<u>OXFORD UNIVERSITY B.1 - B.166</u>	<u>Page</u>
B.1 -B.90	THE CLARENDON LABORATORY With an introductory note	38
B.91 -B.98	OXFORD SCIENCE DEPARTMENTS AND INSTITUTES	48
B.99 -B.119	GENERAL CORRESPONDENCE ON UNIVERSITY AFFAIRS, 1929-57 With an introductory note	49
B.120-B.123	WADHAM COLLEGE, 1919-57 With an introductory note	52
B.124-B.132	CHRIST CHURCH, 1921-57 With an introductory note	53
B.133-B.138	OTHER OXFORD COLLEGES	55
B.139-B.146	OXFORD UNIVERSITY CLUBS AND SOCIETIES	56
B.147-B.166	CORRESPONDENCE AND PAPERS ON THE OXFORD ROADS PROBLEM, 1953-57 With an introductory note	58

Oxford University

B.1-B.90

THE CLARENDON LABORATORY

Cherwell (then F.A. Lindemann) was elected Professor of Experimental Philosophy in April 1919 (A.20 - A.23). The condition of the Clarendon Laboratory, and the poor reputation of the study of physics at Oxford when he arrived, have been commented upon in published biographies and obituaries. He quickly began to organise the removal of obsolete apparatus and the acquisition of more up-to-date equipment partly from surplus military stores, partly from accumulated university funds, and partly from industrial manufacturers among his personal friends. Although the reputation of the laboratory grew and improved, receiving new impetus from the German refugee scientists whom Cherwell encouraged to settle there from 1933 onwards, funding continued to be a problem occupying much of Cherwell's time, diplomatic skill and social activity (see B.14 - B.25).

During the Second World War, the Laboratory, now housed in its new building (B.13, B.26 - B.32) was run on Cherwell's behalf largely by T.C. Keeley, though Cherwell continued to devote as much of his own time to its working as was then practicable, keeping a specially keen eye on plans for postwar science and funding (B.42 - B.47). The end of Cherwell's period of service at the Clarendon Laboratory was greatly saddened by the death of his successor, Sir Francis Simon.

See B.37 - B.40 for reports on research conducted under contract at the Laboratory during the Second World War.

See correspondence with C.H. Collie, T.C. Keeley, E. Bolton King, K. Mendelssohn, F.E. Simon for material re administration and research at the Clarendon Laboratory during the Second World War.

See also G.533.

Oxford University

- | | | |
|------|---|-------------------------------------|
| B.1 | Early correspondence <u>re</u> grants for the laboratory, arrangements for clearing surplus or unwanted material. | April-June 1919 |
| B.2 | Correspondence <u>re</u> allocation of apparatus to the Clarendon Laboratory from Royal Aircraft Establishment and other Dispersal Board stocks. | 1919 |
| B.3 | Correspondence chiefly <u>re</u> supply of liquid air apparatus.
Includes letter from Rutherford on liquid air supply, March 1920. | May-Dec. 1919 |
| B.4 | Correspondence with Douglas Vickers.

Mainly <u>re</u> supply of liquid helium, but includes long letter from Cherwell, November 1919, outlining his plans for research in Oxford and enquiring about possible financial support from industry.

Also includes typescript 'Note on The Application of the Clarendon Laboratory for Helium for Low Temperature Research'.

See also D.253. | 1919-20

n.d. |
| B.5 | General correspondence <u>re</u> finance, staff, books and equipment.

Includes ms. draft by Cherwell <u>re</u> firm of Adam Hilger. | 1919 |
| B.6 | General correspondence <u>re</u> equipment and research. | 1920 |
| B.7 | General correspondence <u>re</u> finance and equipment.

Includes Cherwell's ms. letter of thanks for grant from Leigh Fund. | 1921 |
| B.8 | Financial estimates for Clarendon Laboratory.

Outline for teaching methods and syllabus.

(Both in the hand of I.O. Griffith.) | c.1920-21

n.d. |
| B.9 | Shorter correspondence and papers <u>re</u> teaching and syllabus at Oxford. | 1920 |
| B.10 | Correspondence and papers <u>re</u> meteorology in Oxford.

Includes Cherwell's proposal for the establishment of a Readership in Meteorology and the appointment of G.M.B. Dobson. | 1920-21 |

Oxford University

- B.11 Correspondence and papers on the Museum Departments. 1919, c.1920
Letter and memo. from F. Soddy. Nov. 1919
Letter and memo. on administration of Museum Departments, no author or date. c.1920
- B.12 General correspondence re equipment and installations at the Clarendon Laboratory. 1927-36
Includes letter of introduction from Birkenhead to 'Mr. Morris' (later Lord Nuffield), suggesting collaboration with Cherwell, 1927, and letter from F. Soddy re A.C. electricity supply, 1936.
- B.13 Miscellaneous papers on research in progress or proposed at the Clarendon Laboratory.
(None signed or dated.)
On low temperature work (refers to work in Germany by Mendelssohn and Simon). c.1933
On extension of I.C.I. contracts to provide security for refugee German scientists after 1935.
On 'nuclear chemistry' and research into liquid hydrogen. n.d., perhaps 1936/37.
On the new laboratory, its design, apparatus, research projects. n.d. c.1938
- B.14-B.25 Funding of research. 1933-38
Correspondence with University, firms and individuals re financial support, grant applications, supplies and fund-raising for research at the Clarendon Laboratory.
Many of Cherwell's letters contain or are accompanied by accounts of work in hand.
See also E.62.
- B.14 1933. Department of Scientific and Industrial Research. The Leigh Fund.
- B.15 1934. Oxford University re grant from Rockefeller Foundation for apparatus for research by F.E. Simon and other refugee scientists.
- B.16 1935.
- B.17 1937. Appeals to Duke of Westminster and to Lord McGowan, as part of Oxford University Appeal.

Oxford University

- B.18 1937. Oxford University.
Correspondence and draft speech to Hebdomadal
Council supporting grant of £500 p.a.
- B.19 1937. Lord Wakefield.
- B.20 1937-38. Correspondence with J.D. Pollock, re his free
supply of liquid oxygen for the Clarendon Laboratory.
- B.21 1938. Oxford University Appeal, re omission of Clarendon
Laboratory from Appeal pamphlet.
- B.22 1938. Leverhulme Trust.
Oxford University (re Government Grants Committee)
- B.23 1938. Lady Mond.
- B.24 1938. Oxford University, re funding for a cyclotron.
- B.25 1939. Oxford University, Request to General Board for
major increase in grant to the Clarendon Laboratory.
Cherwell's letters to A. Lennox-Boyd and Lord Nuffield
re importance of increased government support for
scientific research.
- B.26-B.32 The new Clarendon Laboratory.
Correspondence and papers re site, rebuilding, equip-
ment, etc. of the Clarendon Laboratory on Parks Road,
adjoining the University Parks, Oxford, 1934-39.
- B.26 1934. Mainly preliminary proposals for 'Committee on
Building Requirements'.
Includes copy of letter from J.S. Townsend stating
he considers no substantial addition necessary for his
department.
- B.27 1935-36. Includes Cherwell's letter of thanks to Vice-Chancellor
for unofficial good news about his 'castle in Spain',
July 1936.
- B.28 1937. Includes discussions with architects, consulting
engineers and University, re heating system (Cherwell
strongly advocated electricity).
- B.29 1938. Correspondence re article on the new building, written
by Cherwell for Oxford.

Oxford University

- | | | | |
|-----------|----------|---|---------|
| B.30 | 1938. | Re meeting of Advisory Committee, 19 May, to discuss physics at Oxford and the relationship of departments, with Cherwell's amendments to the report. | |
| | | Also includes correspondence on comparative cost of gas and electric heating systems. | |
| B.31 | 1938-39. | Includes letter re visit to the new laboratory by the Chancellor, March 1939. | |
| B.32 | 1939. | Copy of Cherwell's letter to the Warden, All Souls, re preservation of the chestnut tree in front of the Clarendon Laboratory. | |
| B.33 | | Correspondence and papers re radium. 1934-40, 1947-48, 1952-53 | |
| | | The radium was lent to Cherwell for scientific purposes by the Czechoslovak Government in 1934, and was insured at his expense. In 1939 its return was requested, but was delayed by the war, when it was stored in the Clarendon. Another request for its return was made in 1948 but not followed up, and it was finally to be handed back in 1953. | |
| | | Correspondence is with officials of U.K. and Czech Governments, insurers, etc., and includes ms. note from Jan Masaryk, December 1938. | |
| B.34 | | Correspondence re Air Ministry contract for research at Clarendon. | 1938 |
| | | Letter re suspension of work on negative electrons during war. | 1939 |
| B.35 | | Correspondence re Admiralty contract for research at Clarendon. | 1939-40 |
| B.36 | | List of research workers at the Clarendon Laboratory, and their current salaries, compiled for Central Register. | 1939-40 |
| B.37-B.40 | | Reports on research carried out at the Clarendon Laboratory, mainly on radio, and on magnetic detection, as part of Admiralty contract. | 1939-42 |
| B.37 | | Work by C.H. Collie, D. Roaf, A.H. Cooke. | |
| | | General report, December 1939. | |
| | | Preliminary note on the detection of ultra-short waves by magnetic resonance, 9 pp. (by Collie). | |
| | | Report by Roaf on above, December 1939. | |
| | | Note on motion of electrons in a combined electric and magnetic field, by Collie. n.d. | |

Oxford University

- B.38 Work by C. Hurst and J.G. Daunt, August 1940.
On infra-red, and 0.5 cm. waves.
- B.39 Work by J.H.E. Griffiths and B. Bleaney; D. Roaf;
B.V. Rollin; C.H. Collie. Some dated January 1940.
- B.40 Work by B.V. Rollin, on accelerating electrons, August 1942.
- B.41 Brief correspondence re financial estimates for Clarendon,
and re a calculating machine. 1944
Cherwell's carbons only.
- B.42-B.47 Postwar organisation and finance of the Clarendon Laboratory.
- B.42 Two papers on organisation and finance of postwar university
research, n.d. One is Cherwell's heavily-corrected draft,
the other is probably not by him.
- B.43 Correspondence and papers re meetings on the future of
physics at Oxford, appointments, extensions to Laboratory,
etc. 1944-47
- B.44 Correspondence re equipment and supplies for Clarendon
Laboratory. 1945
Surplus Balloon Command equipment.
Request for helium from National Research Council,
Canada.
Surplus water tanks and accumulators.
Air Ministry compressors.
- B.45 Correspondence re Royal Society Grant, 1939, 1945.
The grant was made in 1939, for work on magnetic fields,
but was not taken up until 1945.
A.G. Egerton's letter to Cherwell of 1939 is still addressed
to 'Dear Peach', one of the last occasions on which this
nickname (detested by Cherwell) was used.
- B.46 Correspondence and papers re grant to the Clarendon
Laboratory by the Nuffield Foundation. 1945-46
A grant of £8,000 a year for eight years was agreed
by the Trustees in November 1945.
- B.47 Correspondence re safe for Clarendon Laboratory. 1947

Oxford University

- B.48 Cherwell's recommendation of F.E. Simon for a Nobel Prize in Physics in 1946.
- B.49 Shorter correspondence with U.S. Office of Naval Attaché re reports of work in progress. 1947-48
- B.50 Correspondence and papers re gift of a Betatron from the Research Department of the British Thomson-Houston Company to Oxford University, for the Clarendon Laboratory. 1948
- B.51 Correspondence re I.C.I. Fellowships. 1948
Correspondence re grant for F.E. Simon's research from the Department of Scientific and Industrial Research. 1948
- B.52 Correspondence with Department of Scientific and Industrial Research re grants and grant-awarding policy. Various dates. 1951-56
- B.53 Correspondence with United Kingdom Atomic Energy Authority.
Mainly re high acceleration programme (including photocopies of notes and comments on the programme by many distinguished physicists), but also on research projects, consultancies, etc. Various dates 1954-56 and one letter 1948.
- B.54 Correspondence re proposed National Institute for High Energy Physics. 1956
- B.55-59 Correspondence re Cherwell's resignation of his chair at Oxford, and the appointment of a successor. 1953-57
Cherwell resigned his chair in 1956, at the age of 70. F.E. Simon was appointed his successor in May 1956 but died in October of that year.
- B.55 1953-55.
- B.56 1956.
- B.57 1956-57.
- B.58 Autographs and letters of appreciation from technical staff of the Clarendon Laboratory on Cherwell's retirement. 1956
- B.59 Letters on Cherwell's retirement. 1956.

See also A.78.

Oxford University

- B.60-B.67 General correspondence re the Clarendon Laboratory
(building, equipment, appointments, etc.). 1947-57
Many of the incoming letters have been lost, only
Cherwell's carbons surviving.
- B.60 1947-49. Includes letter on Nuclear Physics post-graduate year.
- B.61 1950-51.
- B.62 1952. Includes correspondence re extension of grant from
Nuffield Foundation.
- B.63 1954. Cherwell's recommendation of F.E. Simon for a
knighthood.
- B.64 1954. Letters of August include data on accelerators in the
Clarendon Laboratory; letters of November are with
Board of Trade on difficulties in buying American apparatus.
- B.65 1954. Appointments.
- B.66 1955. Funding and appointments.
- B.67 1956-57.
- B.68 Shorter correspondence re research staff at the Clarendon
Laboratory. 1932-50
(Salaries, conditions of service, grants and promotions.)
- B.69 Correspondence re technical staff at the Clarendon
Laboratory. Not indexed. 1929-55
- B.70 Miscellaneous requests to work at the Clarendon
Laboratory. Not indexed. 1933, 1947, 1955-56
- B.71-B.77 Correspondence re visitors to the Clarendon Laboratory. 1935-56
Requests to visit, from university, industrial and official
colleagues in U.K. and overseas, arrangements, letters
of thanks, etc. Some material re funding or research is
sometimes included.
- B.71 1935, 1936.
- B.72 1945-47.
- B.73 1948.
- B.74 1949.

Oxford University

- B.75 1950-52. Includes correspondence re visit and lectures by L. Néel.
- B.76 1954-56.
- B.77 Shorter requests to visit laboratory or thanks for hospitality. Not indexed.
- B.78-B.90 Lectures.

 All the material below is in Cherwell's own hand, on various sizes and formats of paper; many are punched and bear metal reinforcements.
- B.78 Ms. notes for a lecture on Classical Dynamics and Quanta. Paginated 1-6, with 3 pp. notes and headings on the subject (on writing paper of Randolph Hotel, Oxford, where Cherwell stayed on his first visits to Oxford).

 Included here are notes and calculations, with a date, 1915, added in another hand.
- B.79, B.80 Two sets of lecture notes, possibly prepared for Cherwell's visit to Chicago in 1913 (see A.6-A.8). The writing is more 'Continental' than his later style.
- B.79 'Solids'. 20 pp., with monogram 'F.A.L.' on p.1.
- B.80 'Non-ideal gases and liquids', 16 pp.
- B.81 Ms. notes for a course of lectures on Kinetic Theory, subtitled 'Transition from Newtonian to Modern Physics'.

 1 p. introduction, + sequence paginated 1-86.
- B.82 Ms. notes for a course of lectures on Kinetic Theory of Gases. Paginated 1-47.
- B.83-B.85 Three sequences of ms. notes for lectures, kept separately by Cherwell but probably forming sections of a course on recent work in physics, alluding to the work and theories of, e.g., Einstein, Nernst, Planck, Debye, Bohr.
- B.86 Ms. notes for a course of lectures on radiation.
- B.87 Ms. notes for a course of lectures 'to familiarise philosophers with some of the conceptions and difficulties of modern physics'.

Oxford University

- B.88-B.90 Extensive draft for lectures on philosophical problems of physics, including 'evolution and use of language and logic', 'concepts of Classical physics', 'relativity and the quantum theory and the revolution in our ideas which these have brought about'.

Probably given at Oxford in 1920s, but with extensive additions and revisions in pencil, red and blue ink, at various periods.

There is an index covering pps.1-100, but the complete draft is paginated to p.260 + 1 loose page.

3 folders:

- B.88 Pp. 1-100.
B.89 Pp. 101-200.
B.90 Pp. 201-260.

Oxford University

B.91-B.98

OXFORD SCIENCE DEPARTMENTS AND INSTITUTES

B.91-B.96 Radcliffe Observatory (and University Observatory). 1930-36, 1956

Correspondence and papers, mainly re proposal to use a benefaction of £100,000 from Lord Nuffield to construct a new telescope. Cherwell supported the view that the telescope should be sited in Oxford; the contrary view was that astronomical studies would be better advanced by a location in South Africa, and the new telescope was eventually built at Pretoria.

Includes material re Savilian Professorship of Astronomy, negotiations with Radcliffe Trustees, various submissions and presentations of case, affidavits from foreign astronomers, syllabus for astronomy as part of natural science course.

Some scientific correspondence is also included from colleagues, in particular E.A. Milne and H.H. Plaskett.

B.91 1930.

B.92 1931.

B.93 1932.

B.94 1933. Includes affidavits and submissions.

B.95 1934. This covers the period of the Radcliffe Trustees' application in court to use the funds for the Pretoria site, and includes ms. drafts of Cherwell's letters to the Vice-Chancellor and to Lord Halifax during the course of the hearing, and his 12 pp. typescript summary of his view of the evidence.

B.96 1935-36.

1956.

B.97 Delegates of University Museum/Heads of Science Departments. 1932, 1938

Mainly correspondence, 1932, re extension of Radcliffe Science Library.

B.98 Institute of Forestry.

Correspondence, memoranda and papers re siting and staffing of Institute.

1933-38

Includes some earlier correspondence re Forest Products Research Laboratory, 1929.

Oxford University

B.99-B.119 GENERAL CORRESPONDENCE ON UNIVERSITY AFFAIRS
1929-57.

The correspondence is conducted with successive Vice-Chancellors, officers and senior members of the University. It deals with general administrative and financial matters (including Cherwell's own salary at various points in his career), Cherwell's service on University committees, electoral or examining boards, proposed changes in teaching, etc.

Correspondence on administrative matters is generally conducted with the University Registry and on financial matters with the University Chest, but some overlap occurs.

The material is presented as a roughly chronological sequence, with a brief indication of content.

- | | |
|--------|---|
| B.99 | Correspondence, 1929.
Correspondence, 1931-34, <u>re</u> methods of presenting and auditing departmental accounts, the proposed 'Financial Safeguards Statute', and <u>re</u> college contributions. |
| B.100 | 1931-34. General correspondence. |
| B.101 | 1935-36. Includes note prepared by J.S. Townsend on provision for lectures in physics for students of engineering. |
| B.102 | 1937-38 <u>re</u> elections to Hebdomadal Council and <u>re</u> School of Geography and Anthropology. |
| B.103. | 1938. |
| B.104 | 1939-40. Includes correspondence <u>re</u> continued purchase of German scientific periodicals during the war, and <u>re</u> Cherwell's salary. |
| B.105 | 1941. Recommendations for honours. |

Oxford University

- B.106 Correspondence, 1941-53, re premises at 7 Keble Road, Oxford, leased in the 1930s by Cherwell from the University (the ground landlord) and used for the business of Oxford Instrument Company (see C.54, D.135). The premises were requisitioned in 1941 by Oxford City Council, and the remainder of the lease was eventually bought by the University (which had turned down the proposition in 1941) after protracted difficulty and litigation.
- Cherwell's letters of 17 May 1947 and 16 May 1950 give a clear account of his side of the complicated story.
- B.107 1943. Includes correspondence re salaries of Cherwell and T.C. Keeley, and re Cherwell's wartime work.
- B.108 1945.
- B.109 1946.
- B.110 1947. Includes correspondence and drafts on funding and benefactions, salaries, nominations, etc.
- B.111 1949.
- B.112 1951. Includes correspondence on 4th year for physics students, and Cherwell's letter to C.A. Coulson offering him the Rouse Ball Chair of Mathematics.
- B.113 1952.
- B.114 1953. Includes Cherwell's letter recommending Sir John Slessor as Chichele Professor of the History of War.
- B.115 1954.
- B.116 1955.
- B.117 1955-57. On Engineering at Oxford.
- B.118 1956-57. Includes letter from Cherwell on the 'National Centre' for research in nuclear physics, and letter re his state old-age pension.

Oxford University

- B.119 1956-57. Correspondence and papers arising from the speech of the retiring Senior Proctor in March 1956, in which he reported losses of library books and claimed that scientists (often Senior members) were more liable than others to steal books. Cherwell was indignant and attempted to obtain an official disclaimer, and, when the matter was revived in 1957, sent a letter jointly with Hinshelwood and Florey to The Oxford Magazine.

Includes press-cuttings.

Oxford University

B.120-B.123 WADHAM COLLEGE, 1919-56.

Cherwell's Chair at Oxford, to which he was appointed in 1919, was attached to Wadham College; accordingly, he took up residence there after various difficulties over improvement to the set of rooms assigned to him, and remained a Fellow and Member of the Governing Body until 1956, when he resigned his chair and was elected an honorary member.

In 1921, however, he was offered a Studentship (= Fellowship) and more spacious rooms at Christ Church where he moved the following year and which he came to regard as his only home; see A.79 for special arrangements made to allow him to remain in Christ Church after his retirement. Although he became, in time, one of the oldest and most respected members of Christ Church, it should be noted that he was never a member of the Governing Body of the House; see B.124-B.132 for correspondence on Christ Church affairs.

The material below consists of correspondence with successive Wardens of Wadham, and with Fellows or prospective Fellows about the general affairs of the college. It is clear that Cherwell gave financial help to the college in various ways from time to time.

- | | |
|-------|---|
| B.120 | 1919-22. Includes correspondence <u>re</u> Cherwell's rooms, the alterations he wished to <u>have</u> made at his expense, and his draft letter of farewell on moving into Christ Church. |
| B.121 | 1924-30. Includes letter from E.A. Milne, <u>re</u> rooms in Wadham on his appointment as Rouse Ball Professor of Mathematics. |
| B.122 | 1931-39. |
| B.123 | 1940-56. Includes letters from C.M. Bowra on his wish to enlist on active service 1940, and letter, 1956, electing Cherwell an honorary member of the college. |

Oxford University

B.124-B.132 CHRIST CHURCH, 1921-57.

Cherwell took up residence in Christ Church in 1922. He was not a member of the Governing Body of the House, which involved a certain dispute over the matter of precedence, in 1927 (B.124), but sat on its special committees from time to time. His social contact with the Duke of Westminster was responsible for the establishment of a Duke of Westminster Research Studentship (B.125, B.126) and his friendship with Einstein helped in encouraging the latter's visits to Oxford in 1931, 1932 and 1933 when he stayed in Christ Church and was elected a Research Student (B.128, see also D.56, D.61).

The correspondence is with successive Deans, Censors, Treasurers and Students of the House, and also with personal friends requesting assistance with admission of relatives to the House and their progress there.

See also A.116, A.117 for correspondence with Christ Church re accommodation for Cherwell's staff.

- B.124 1921-27. Includes formal letter, 1921, electing Cherwell a Student 'while holding Dr. Lee's Professorship of Experimental Philosophy', and correspondence, 1926-27, re precedence.
- B.125, B.126 Correspondence and papers re Duke of Westminster Research Studentship in physics, 1924-54.
- The first holder of the Studentship was E. Bolton King (q.v.); at the conclusion of his tenure in 1930 there was some disagreement about whether the Studentship should continue to carry membership of the Governing Body, but it was eventually decided that it should do so. As time went by, various modifications had to be made to the provisions consequent upon the death of the Duke, the contributions of the University and the House, etc.
- B.125 1924-31. Includes deeds.
- B.126 1932-54.

Oxford University

- | | | |
|-------|----------|--|
| B.127 | 1930. | Includes letter from Cherwell deploring proposal to transfer the Christ Church Laboratory to the University Department of Chemistry. |
| B.128 | 1931. | <u>Re</u> visit by Einstein. |
| B.129 | 1931-39. | Includes invitation to Cherwell to accept election as Vice-President of Law Club. |
| B.130 | 1940-49. | |
| B.131 | 1950-55. | Includes invitation to dinner to celebrate Cherwell's return to Oxford. |
| B.132 | 1956-57. | Includes correspondence re Cherwell's retirement, copy of speech at Christ Church Gaudy 1956 by Harry Truman, correspondence re Sutherland portrait of Churchill, and two drafts of speeches by Cherwell at the Censor's Dinner, 1956. |

Oxford University

B.133-B.138 OTHER OXFORD COLLEGES

Mainly requests for advice from Cherwell re appointments.
In alphabetical order.

B.133	All Souls	1956
	Balliol	1934
	Brasenose	1949
	Campion Hall	1946
B.134	Corpus Christi	1932, 1945, 1947
B.135	Exeter	1932
	Lady Margaret Hall	1950
	Lincoln	1954
	Nuffield	1956
B.136	St. Catherine's	1954
	St. Edmund Hall	1954
	St. Hugh's	1955
	St. John's	1949
B.137	Trinity	195-
	Wadham	1953
	Worcester	1951
B.138	Miscellaneous university requests for advice, references, etc.	

Oxford University

- B.139-B.146 OXFORD UNIVERSITY AND COLLEGE SOCIETIES AND CLUBS
- In alphabetical order.
- For O.U. Conservative Societies and Clubs, see Section J.
- B.139 Oxford University Air Squadron 1928-38, 1946-55
and Oxford Branch, Royal Aeronautical Society.
General correspondence re affairs of the Squadron and
its relations with the Society, with successive Commanders.
- B.140 Oxford University Alembic Club. 1941
Ashmolean (Dining) Club. 1940, 1952-55
Oxford University Blue Ribbon Club. 1956
(Cherwell addressed the Club on technological
education.)
Oxford University Bryce Club. 1955
- B.141 Oxford University Camera Club. 1937-38, 1955-56
Cherwell was President of the Club from its foundation
in 1937 until his resignation in 1956.
Correspondence with successive Secretaries of the Club,
mainly re exhibitions, loans of photographs, etc.
- B.142 Cecil Club (University College). 1949-50
Chatham Club (Christ Church). 1948
Oxford University Empire Club. 1936
Essay Society. 1950
Oxford University Exploration Club. 1934-36
- B.143 Oxford University and City Gliding Club. 1937-38
Oxford University Lawn Tennis Club. 1955
Leonardo Society (Balliol College) 1951
Mercury Club (Christ Church) 1946
Oxford University Natural Science Club. 1919
Invitation to join.

Oxford University

B.144	Oxford University Physical Society.	1935
	Election as Honorary Member.	
	Oxford University Psychological Society.	1951
	Oxford University Scientific Club.	1946-48
	Oxford University Socratic Club.	1949-54
	Oxford University Theoretical Physics Club.	1949
	Cherwell was Honorary President from the foundation of the Club at the Clarendon Laboratory in 1949.	
B.145	Twenty Club (Christ Church)	1934
	Tyndale Society (Hertford College)	1955
	Oxford Union Society	1945-50
B.146	Requests from Presidents for Cherwell to speak in debates, or to ask Churchill to speak.	
	Oxford University United Europe Movement.	1948-49
	(and the Strasbourg Club)	
	Cherwell was Hon. Vice-President of the United Europe Movement, which was a short-lived society later replaced by the Strasbourg Club.	
	Brief correspondence with officials.	
	Wills Club (Keble College).	1956
	Woolsack Dining Club.	1956

Oxford University

B.147-B.166 CORRESPONDENCE AND PAPERS ON THE OXFORD ROADS
PROBLEM, 1953-57

This was a matter of considerable debate at local and national level, involving the Ministries of Transport and Housing and Local Government, as well as Oxford City Council and its Committees, the Oxford Preservation Trust, Oxford University and its colleges. The controversy continued in the press through articles, features and especially the correspondence columns, and there were also broadcast talks and comment.

The problem was the congestion of traffic in the central areas of Oxford. A partial solution, with which the earlier material is mainly concerned, involved the construction of outer by-passes and the development of better independent shopping and entertainment facilities outside the centre, particularly at Cowley. Bitter controversy arose over the necessity, and the siting, of 'inner relief roads'; various plans, some very drastic, were proposed, and in September 1956 Duncan Sandys (now Lord Duncan-Sandys), then Minister of Housing and Local Government, wrote to Oxford City Council requesting submission of a proposal for a road through Christ Church Meadow, and an access road by an extension of Rose Lane. The later material deals with the mobilisation of opposition to this plan.

The correspondence is with local officials, amenity societies, University and college authorities, Ministers, House of Lords colleagues, members of the general public.

In 1953 the Minister of Transport and Civil Aviation was A. Lennox-Boyd (now Lord Boyd of Merton) and the Minister of Housing and Local Government was Mr. (now Sir) Harold Macmillan. Several memos. and letters sent to or on behalf of Cherwell bear the signature of P.J. Searby, his London secretary at this time.

The material is presented chronologically, with a brief indication of content.

Oxford University

- B.147 June-July 1953 re housing and outer by-passes, includes copy of questions to be asked in House of Lords about road programme.
- B.148 August 1953. Correspondence and memos. on outer by-passes, and Clarendon Hotel (now Woolworths).
- B.149 September-November 1953. Includes correspondence with Ministers.
- B.150 1954. Includes correspondence with Minister of Housing.
- B.151 February-March 1955. Includes note by Cherwell for Churchill on Oxford Town Planning scheme.
- B.152 April-May 1955. Includes correspondence with Minister of Housing, and copy of letter by Cherwell to The Oxford Magazine on proposed internal relief roads.
- B.153 June 1955. Correspondence and memos.
- B.154 July 1955. Correspondence, memos. by Cherwell and others, press-cuttings.
- B.155 August 1955. Correspondence and press-cuttings.
- B.156 October-November 1955. Includes letter of protest drawn up and circulated by Cherwell to Heads of Science Departments and correspondence arising, press-cuttings.
- B.157 May-July 1956. Includes correspondence with Minister of Housing and Local Government and with Private Secretary to Prime Minister.
- B.158 September 1956. Correspondence, including Minister's decision on the question (to incorporate a road through Christ Church Meadow).
- B.159 October 1956. Correspondence and memos. re Roads Committee at Christ Church, letters and articles in the press, and Beveridge's proposal for a debate in the House of Lords.
- B.160 November 1956. Includes copy of Writ issued between Dean and Chapter of Christ Church and Ministry of Housing and Local Government, and of the Defence.

Oxford University

- B.161 February 1957. Papers issued by Christ Church, re their Writ against the Ministry and their discontinuance of the action, and re the need for a Royal Commission.
- B.162 February 1957. Debate in House of Lords, 13 February. Order paper, list of speakers, 1 p. ms. headings and 40 pp. typescript and ms. of Cherwell's speech.
- B.163 February 1957. Correspondence preceding or following debate.
- B.164 March 1957. Miscellaneous correspondence (and undated) including two humorous poems on the controversy.
- B.165 Miscellaneous drafts and copies of memos., speeches, articles and letters by Cherwell on the roads problem. Not dated.
- B.166 Folder of press-cuttings on the roads problem.

SECTION C

SCIENTIFIC RESEARCH, WRITINGS, CONFERENCES C.1 - C.89

The material includes notes, drafts, patents and inventions, together with related correspondence. It is presented in chronological order, so far as this is ascertainable.

Conferences and visits have been kept in a separate sequence, C.79 - C.89.

See B.79 - B.90 for Cherwell's lectures at Oxford University.

See E.1 - E.21 for shorter articles, letters to the press, etc. on scientific matters, and E.61 - E.103 for similar material on scientific and technological education.

Scientific research, writings, conferences

- C.1-C.4 Gas pressure in Röntgen tubes, 1912-20
- C.1 Five notes on Röntgen tubes, some prepared for patents.
All in German.
- 3 pp. on regulation of gas pressure.
- 2 pp. on construction of Röntgen tubes.
- 3 pp., similar.
- 5 pp. on regulation of gas pressure in Vacuum and Röntgen Tubes, Berlin, 1913.
- 4 pp. ms. draft patent specification on regulation of gas pressure. n.d.
- C.2 Correspondence with German patent agents re Cherwell's German patents (on Röntgen Tubes), 1912-13, continued 1920.
- Includes Patent.
- C.3 Correspondence with French patent agents re Cherwell's French patents (on Röntgen Tubes), 1914, continued 1920.
- C.4 Correspondence with British patent agents re Cherwell's patent No. 27599/13 (on regulation of gas pressure in Röntgen Tubes), with drafts and copy of Patent. 1914, continued 1920.
- C.5 'Lindemann glass'.
- (A glass suitable for use in X-ray tubes, largely developed in the Lindemann family laboratory at Sidholme.)
- A note on the glass, and letter from L. Dunoyer, 1914.
- C.6 Free electrons in metals.
- 8 pp. ms. paper, in German, n.d.
- 7 pp. typescript and ms. note, n.d. probably 1915.
- ms. draft of letter to O.W. Richardson re his and Cherwell's work on electrons in metals, 1915.
- C.7 Isotopes.
- 1 p. 'In reply to Dr. Bohr's remark on the discussion on Isotopes at the meeting of the B.A. 9.IX.15'.
- 3 pp. note (perhaps for discussion meeting) on dissimilar chemical properties of isotopes, n.d.
- ms. notes and calculations on separation of Isotopes by electricity, n.d.

Scientific research, writings, conferences

- C.8 1914.
- Draft letter to Naval Construction Department,
 Admiralty, re microphone to detect submarines.
- The letter, dated 13 August 1914, refers to 'our
 interview this morning'.
- See also C.18.
- C.9, C.10 Work on range finder, 1915.
- These drafts represent research done at Sidholme
 before Cherwell began work at Farnborough in
 March 1915.
- C.9 'Method for locating and finding range of guns'.
- Drafts of specification and forwarding letter,
 February 1915.
- C.10 'Method for locating concealed guns'.
- Drafts (one dated March 1915), and 2 pp. later
 notes 'for experimental proof'.

Scientific research, writings, conferences

C.11-C.31 Royal Aircraft Factory, Farnborough

Cherwell worked on various projects connected with range and direction finding, detection of submarines and aircraft, and aircraft spin, for which he is particularly well known (see A.10-A.17, E.19, E.20 for other material on his service at Farnborough).

The material consists of ms. drafts or official reports and specifications, sometimes accompanied by correspondence. Some ideas survive only through references in correspondence, since many early R.A.F./R.A.E. records were destroyed; occasionally Cherwell's correspondents were so discreet in their letters that it is not always possible to determine what project is in question.

Continuing correspondence on various devices and inventions begun at Farnborough has been retained here although Cherwell had moved to Oxford in 1919.

C.11-C.13 1915.

C.11 Two short notes by Cherwell, on submarine detection (April 1915), and on 'Incendiary packages that catch fire when dry' (to be dropped from aeroplanes) (22 July 1915).

C.12 Two reports from R.A.F. H. Dépôt:
 'Report on methods of signalling' (16 May 1915).
 'Means of communication between passenger and pilot' (12 December 1915).
 Unsigned, probably not by Cherwell.

C.13 Correspondence:
 H. Jackson (on quartz lens)
 M. O'Gorman (long range aircraft detection)
 T.R. Merton (long range ship detection)
 N.K. Adam (liquid hydrogen)

Scientific research, writings, conferences

- C.14-C.17 1916.
- C.14 Two reports by Cherwell.
 'Secret signalling by infra-red rays', 19 January 1916.
 'Report on experiments with polarizer for observing
 submerged objects', 11 February 1916.
- C.15 Correspondence with colleagues re polarised light,
 1916-17.
 Includes official authorisation for Cherwell to be offered
 'all facilities for testing his device in the air'.
- C.16 Correspondence re Standing Committee on Glass and
 Optical Instruments Sub-Committee on X-ray Glass
 Apparatus.
 Cherwell attended a meeting on 1 May 1917 to describe
 his apparatus.
- C.17 Correspondence.
 re location of artillery.
 R.V. Goddard re B.E.2C aircraft.
- C.18-C.20 1917.
- C.18 Reports by or re Cherwell.
 'Note on a rate of climb indicator for use on aero-
 planes', March 1917.
 'A suggestion for the detection of aircraft or ships
 by long-wave radiation', March 1917. (Refers to
 Cherwell's letter of August 1914, see C.8.) 1 p. only
- C.19 'Note on recording accelerometer for measuring stresses
 on aeroplanes', 15 June 1917.
 'Experiments on diving sight', 21 June 1917.
- C.20 Correspondence.
 T. Lowe (on range finding by aeroplane).
 re towed missiles, .
 W.G. Duffield (compass).
 Authorisation to fly in test aeroplane.

Scientific research, writings, conferences

C.21-C.31 1918-21.

Reports by or re Cherwell.

C.21 'Report on trials of aerial range finder ', 27 January 1918.

C.22 'Note on the possibility of countering balloon barrage',
28 April 1918.

C.23 'Note on T.1059c' (Paper for Advisory Committee for
Aeronautics), April 1918.

C.24 'Note on cloud flying', 30 May 1918.

C.25 'Note on a geometrical construction for rectifying any
arc of a circle'.

Ms. draft of paper published in Phil. Mag., 36, 1918.

C.26 'Possibility of countering balloon barrages', 11 June 1918.
(Continuation of C.22 above.)

C.27 'Report on Kite balloon barrages', 28 July 1918.

C.28 'Action of Wind on Flexible cables', October 1918
(not by Cherwell).

Earlier R.A.F. report on sound detection, June 1912.

C.29 Two ms. notes by Cherwell, on self-correcting compass,
and on gravity controlled sextant (probably contribution
to a discussion meeting).

Note on questions to be asked of Air Minister (no author
or date, but probably by Cherwell, 1918).

C.30 Correspondence, 1918-20.

? Tincker (experimental results)

G.I. Taylor ('spiral thermometers')

H. Grinsted ('speeddriftometer')

H.E. Wimperis (range finding from the air, and compasses)

D. Vickers (improvement in filament lamp)

C.31 Continuing correspondence on the 'Lindemann Range
Finder', 1920-21.

Scientific research, writings, conferences

C.32-C.40 Astronomy and meteorology

C.32 2 pp. draft on dark stars, n.d.

Probably related to paper published in Mon. Not. R. Astr. Soc., 75, 1915.

C.33 Heavily-revised and corrected ms. draft for a paper on solar physics, n.d.

(written on H.M.S.O. writing paper and probably from Farnborough).

C.34 6 pp. draft for paper on photoelectric photometry and astronomy. In German. Perhaps related to paper on the subject published in collaboration with A.F. Lindemann (Mon. Not. R. Astr. Soc., 79, 1919).

Included here is a letter from J. Evershed on proposed testing in Kashmir of hypothesis in Cherwell's previous collaborative paper with A.F. Lindemann (Mon. Not. R. Astr. Soc., 77, 1916).

C.35 3 Letters to 'The Observatory', 1918.

On the relative equilibrium of stars.

On refraction near the sun.

On life of the sun.

C.36 Ms. draft for paper on distance of the globular clusters.

With a letter (signed 'Peach') to A.F. Lindemann on research on clusters, March 1919.

C.37, C.38 Work on magnetic storms, re paper published in Phil. Mag., 38, 1919.

C.37 Ms. draft notes.

Correspondence arising from publication, from:

A. L. Cortie 1919

W. Keesum 1920

M.N. Saha 1920

Ms. draft, 'Line of Sight Displacements of the Hydrogen Lines in Nova Aquilae', probably for discussion meeting of Royal Astronomical Society and answering objections by A. L. Cortie, n.d.

Scientific research, writings, conferences

- C.38 Notes of meeting 'for the Discussion of Geophysical Subjects' at Royal Astronomical Society, 3 December 1920 (mainly between Cherwell and S. Chapman).
Includes correspondence received before and after meeting, and a later letter from Chapman, 1922, accepting Cherwell's views.
- C.39 Work on ionisation.
Draft remarks for discussion on ionisation at Faraday Society, 21 January 1919.
1 p. only draft on similar subject, re theories of S. Chapman, n.d., probably earlier.
- C.40 Discussion meeting on relativity and astronomy, 12 December 1919.
Ms. and typescript drafts for remarks, and ms. draft by F.J.M. Stratton for published account.
Includes letter from O. Lodge headed 'going back to Edgbaston midnight', accepting Cherwell's criticisms as put forward at meeting.

Scientific research, writings, conferences

- C.41 Series of notes on various physical and philosophical problems.
- The notes are all written on Wadham College post-cards and may date from 1919-22, before Cherwell moved to Christ Church. They include:
- Sequence numbered 2-6, on isotopes.
 - Sequence numbered 2-4 and 2 loose cards, on Einstein's and quantum theories.
 - Unnumbered but related cards on Euclidian and Einsteinian geometry.
 - Unnumbered but related cards on philosophical aspects of physical knowledge.
- Also included are two unrelated cards (not Wadham College).
- C.42 11 pp. ms. draft for paper on Einstein's theories, n.d. c.1920.
- C.43 Note on separation of isotopes by their different mobilities (in a letter to G.P. Thomson), 1921.
- C.44 Note on wave theory of light (2 pp. only), n.d.
- C.45 3 pp. note on radio waves in the ionosphere, n.d. c.1924.
- C.46 Patent 210492, 'Torsional Suspension', 1922.
- C.47 Patent 580679, 'Galvanometers', 1923.
(based on above)
- C.48 6 pp. draft for paper on rotation of spiral nebulae, n.d., probably related to paper published in Mon. Not. R. Astr. Soc., 83, 1923.
- C.49 2 letters, 1923, on inventions by Cherwell:
- from Department of Scientific and Industrial Research, on galvanometer
 - from Air Ministry, on night bombers.
- C.50 Review of A. Eddington: 'The Mathematical Basis of Relativity', 1923.
- C.51 Note on helium (letter to Russell), n.d.
- C.52 Notes, drafts and calculations for work on meteors, n.d., c.1924.

Scientific research, writings, conferences

- C.53-C.57 Work on photo-electric cells, 1923-40.
- C.53 Letters, 1923, 1925, from Admiralty Department of Scientific Research and Experiment, re work to be done by Cherwell on photo-electric cells.
- Undated description of an invention to improve photo-electric images by 'graticules', 7 pp.
- C.54 Correspondence and papers, 1928-40, re manufacture and sale of photo-electric cells, by Oxford Instrument Company (run by E. Bolton King in premises leased by Cherwell in Keble Road close to Clarendon Laboratory).
See also B.106, D.135.
- C.55 2 descriptions of invention for 'Improvements in Photo-electric Cells'.
- C.56 Agreement with Phonofilms for supply of cells by Cherwell, 1927.
Accounts re manufacture of cells, July 1927-December 1930.
- C.57 Correspondence re Photo-electric Cell exhibition, held April-September 1933 at the Science Museum, London.
Cherwell lent his original Lindemann Electrometer, and Stellar Photometer, and subsequently allowed them to remain for a further period in the permanent collection.
Includes photograph of Lindemann Electrometer.
- See B.106 for correspondence with Oxford University and others re premises at 7 Keble Road, used for the project.

Scientific research, writings, conferences

- C.58 Shorter papers, c.1926-30.
- Answer to a mathematical puzzle, 1926.
- Note on 'The Origin of Atmospheric Ozone'.
- Draft Report on the reorganisation of Radio Research between N.P.L., Teddington, and Radio Research Station, Slough.
- Correspondence re Patent Application for X-ray tubes, 1930.
- Correspondence re meetings of Royal Astronomical Society, 1930.
- C.59 2 notes on airships, with reference to the R.101 disaster, c.1930.
- Perhaps prepared for Sir John Simon, who chaired the enquiry into the disaster, see K.273.
- 2 pp. note on airship design.
- 5 pp. note on possible causes of the R.101 disaster.
- C.60 Notes of Cherwell's contributions to discussion meetings held on astrophysics in Berlin, 1932.
- In German, for published proceedings.
- C.61 Correspondence with British patent agents re Cherwell's patent No. 8103/31, 'Device for printing or reproducing coloured photographs of films', and United States Patent based on above, 1932-33.
- Includes copy of U.S. Patent.
- C.62-C.65 'The physical significance of the Quantum Theory', O.U.P. 1932.
- Correspondence arising from the publication of the book.
- C.62 With O.U.P. re review copies, sales, etc., 1932.
- Cherwell's copies of his letters to accompany complimentary copies.
- C.63 Correspondence with Editor, Nature, regretting the unsatisfactory review of book in Nature and offering Cherwell the opportunity to put forward some of his ideas in the course of a review of Jeans's book 'The New Background of Science'.
- Includes typescript draft of review.

Scientific research, writings, conferences

- C.64 Letters from friends and colleagues re book, 1932.
Later correspondence, 1949-50, with Lord Samuel re book and re Samuel's own writings on physics.
- C.65 Correspondence re book, with Sir Oliver Lodge, February-April 1932.
- C.66 Correspondence, 1932-33.
re work on primes.
Includes 3 pp. detailed unfavourable comment on a paper by Cherwell, from E.A. Milne.
- C.67 Notes and drafts for talks or papers on low temperatures.
Includes 4 pp. draft for talk/demonstration on Absolute Zero on bicentenary of death of Fahrenheit (1936).
5 pp. draft on low temperature research, n.d., and shorter notes.
- C.68-C.71 Baird Television Company, 1936-40.
Cherwell was consultant to the company, and the material relates to ideas for inventions and patents.
- C.68 1936-37. Includes ideas for artificial cooling of electrodes, and for improvements to television receivers.
- C.69 1938. Includes patent for improvements to television receivers.
- C.70 1939-40. re French and British patents for 'Coordinate Scanner'.
- C.71 1948-49. Continuing correspondence with Cinema-Television Limited, with which Baird was merged in 1940.
- C.72 Material on the constitution of the atmosphere.
Related to a discussion on 'The Upper Atmosphere' at a Joint Meeting of the Chemical Society, the Physical Society and the Royal Meteorological Society, held at the Royal Institution, 4 May 1939.
The meeting was introduced by F.A. Paneth; Cherwell contributed a paper on 'Meteor Evidence' and also to the general discussion. (Published in Q. J. Roy. met. Soc., LXV, 1939.)
Includes Cherwell's drafts for the published paper 'Observations on the Discussion on the Constitution of the Upper Atmosphere', and two shorter undated notes, 4 pp. and 3 pp.; correspondence with colleagues.

Scientific research, writings, conferences

- C.73 2 pp. undated note on mathematics.
- C.74 Correspondence, 1941.
re Cherwell's paper 'Number of primes and probability considerations', Nature, 148, 11 October 1941.
With editors, and correspondence arising.
- C.75 Correspondence, 1945-50.
re Cherwell's paper 'Note on the distribution of the intervals between prime numbers', Quart. Journ. of Math., 17, March 1946, and his paper in collaboration with F.V. Atkinson, 'The mean-values of arithmetical functions', Quart. Journ. of Math., 20, June 1949.
See also D.11.
- C.76 Shorter notes and writings, c.1946.
'Uses of nuclear physics', 1 p., n.d.
3 pp. note on absorption coefficient, 11 February 1946.
5 pp. paper on research at the Clarendon Laboratory, with a ms. note (not by Cherwell) 'Science Survey Broadcast, 5 July 1946'. See also E.11.
- C.77 Extensive notes and drafts on mathematical topics.
Typescript and manuscript. None dated, but many on writing paper of Paymaster-General's Office and probably 1952-53.
Some of the sheets are paginated, but do not form a complete sequence.
- C.78 Answer to a 'Brains Teaser'.
Unidentified notes and calculations by Cherwell.

Scientific research, writings, conferences

- C.79-C.89 Conferences and visits, 1911-56.
See E.73, E.74 for conferences on scientific and technological education attended by Cherwell.
- C.79 First Solvay Congress, 1911.
(Cherwell was joint secretary with M. de Broglie.)
Bound volume of photographs of participants, many signed.
- C.80 Invitation and correspondence re second Congress, 1913.
- C.81 Correspondence, programme re joint meetings of the Aristotelian Society, 1919-20.
- C.82 Letter from H.A. Lorentz re Solvay Congress, 1921 (Cherwell was not invited).
Letter re proposed conference on ozone, 1929.
Letter re proposed conference on 'Science and the ordinary man', 1949.
- C.83 Eighth International Congress of Refrigeration, 1951.
Invitation to act as Vice-President.
- C.84 International Conference on Nuclear Physics and Physics of Fundamental Particles, Chicago, 1951.
Cherwell combined this with visits to laboratories and research institutes in Canada and America, official and personal matters, etc.
The material includes invitation, travel and currency arrangements, correspondence with colleagues to schedule visits to laboratories, letters of thanks, etc. Cherwell's letters of 27 August to A.K. Longair and to C.L. Lindemann give details of his proposed itinerary.
- C.85-C.87 Visit to Ceylon, Australia and America, September-October 1953.
- C.85 Itineraries and programmes, background statistics, currency arrangements.
- C.86 Invitations, Cherwell's letters of thanks for hospitality.
- C.87 Draft of talk given by Cherwell on Radio Ceylon.

Scientific research, writings, conferences

C.88

International Congress on Documentation of Applied Chemistry, November 1955.

Cherwell was President of Honour, and contributed a Foreword to the conference handbook.

Correspondence and drafts of Foreword.

C.89

Visit to Germany, 1956.

The visit was arranged at the request of the Foreign Office, for British Week at Munich and to include visits to laboratories, talks with Ministers.

SECTION D

SCIENTIFIC CORRESPONDENCE D.1 - D.266

The correspondence is presented in alphabetical order, with terminal dates and a brief note of any material of particular scientific or biographical interest. Most of the letters are exchanged with individuals, but some societies, committees and organisations are included; these are indexed under their own name (e.g. Academic Assistance Council, Imperial Chemical Industries) and also under the names of individual correspondents included therein. A note is made of cases where incoming letters have been lost and only Cherwell's carbons survive.

While some of the correspondence is brief and formal, there are some substantial exchanges which complement aspects of Cherwell's career at many stages; such are the exchanges with early scientific colleagues (e.g. Nemst, Aston, Einstein), and collaborators at the Clarendon Laboratory (e.g. Keeley, King, Griffith, Simon, Tuck), and Cherwell's negotiations with industrial firms for financial support (see especially the correspondence with I.C.I.)

Cherwell's work in assisting Jewish scientists of German extraction to leave Nazi Germany and continue their research career elsewhere is well known, more particularly in relation to the I.C.I. Fellowships he was able to obtain for a limited number of such cases. He was, however, involved with many others. The following items all relate to scientists or professional men whom he assisted or attempted to assist in this way:

D.1	Academic Assistance Council
D.7	Arndt, F
D.19	Berg, W.F , Bergmann, S.
D.21	Berl, S
D.23, D.24	Born, M
D.25	Bosch, C
D.31	Brutzkus, J
D.32	Cahn, H
D.72	Fajans, K
D.77	Franck, J.
D.78	Frank, L

Scientific correspondence

D.80	Gdng, K
D.81	Gemant
D.86	Haber, F
D.87	Hahn, A.F
D.120	Joachim, H
D.126	Kallmann, H
D.148	London, H
D.154	Meitner, L
D.156	Mendelssohn, K
D.183	Rabinowitsch, E
D.184	Rado, R
D.224, D.225	Schrödinger, E
D.228-D.233	Simon, F.E
D.240	Teller, E
D.244	Traube, J
D.251	Urbach, F
D.257	Weissberger, A
D.263	Windaus, A, Winternitz, P

Schrödinger,

Additional references to assistance for refugee scientists may be found in the following items:

D.21	Berlin, I
D.89	Hardy, G.H
D.91	Houtermans, F.G.
D.94-D.113	I.C.I.
D.153	Mayer, E
D.161	Molson, A.H.E
D.249	Tyndall, A.M

Other material relating to scientific research at the Clarendon Laboratory can be found in Sections B and G; material relating to atomic energy and the development of the Atomic Energy Authority is in Section J.

Scientific correspondence

- D.1 Academic Assistance Council 1933-36, 1940
Correspondence 1933-36, re the work of the Council in placing and finding financial support for refugee scientists.
Includes lists of displaced German scholars prepared by the Council at various dates.
With one letter 1940 from Society for the Protection of Science and Learning (successor to the Council)
See also correspondence with I.C.I., D.94-D.113
- D.2 Allibone, T. E. 1929 (Cherwell's carbon letter of recommendation), 1953

 Ambrohn, L. 1913
- D.3 Andrade, E. N. da C. 1928-49
Personal and scientific correspondence.
Includes correspondence on various wartime projects, fuzes, flash lamps, Andrade's employment, etc.

 Andrews, C. 1932
- D.4-D.6 Appleton, E. V. 1940-55
3 folders as follows:
- D.4 1940-49. On various wartime matters, mainly radio research, R.D.F., Ionospheric forecasting.
Includes letter, 1940, from Rayleigh re threatened requisitioning of his laboratory.
- D.5 1953. With Appleton and others re possibility of generating electricity from peat in Scotland; Appleton was Chairman of the Scottish Peat Committee investigating the question.
- D.6 1955. Cherwell's carbons only.
- D.7 Appleyard, R. 1923

 Arco, 1950

 Arndt, F. 1933
Arrangements for Arndt to come to work in Oxford.

Scientific correspondence

- D.8 Askeland, K. 1947
Correspondence, drawings and patent re generation of electricity from tidal power.
Enclosed here is an undated memorandum on the subject, in German, 2 pp.
- D.9 Aston, F. W. 1917-21
Includes Aston's account of his apparatus, 'a daisy at isotope production' and its early 'most astonishing' results. His letter of 21 February 1920 lists his current determinations of isotope masses. Aston was awarded the Nobel Prize in 1922.
The correspondence, which is very friendly, includes reminiscences of 'Chudleigh' and news of friends in Cambridge at work and play.
- D.10 The Astor Foundation. 1954-56
This was a charitable Foundation set up by Viscount Astor in 1954 'to provide a fund in dollars for the benefit of Great Britain, to forward scientific, medical, educational, culture and other projects ...'
The Foundation had an original life of fifteen years; the British Advisory Committee consisted of:
The Treasurer of the Royal Society;
The Warden of All Souls;
The Founder, or his successor;
Anyone else co-opted or appointed (Cherwell was asked by Astor to serve on the original Committee
Correspondence is with the Founder and colleagues re the Foundation, and the award of grants to British scientists.
The first 'Astor scholar' was P.B. (now Sir Peter) Hirsch, and his letter of thanks is included.
- D.11 Atkinson, F. V. 1948-49
re their joint paper 'The mean-values of arithmetical functions'.
See also C.75.

Scientific correspondence

- | | | |
|------------|---|------------|
| D.12, D.13 | Atkinson, R. d'E. | 1924-56 |
| | Personal and scientific correspondence <u>re</u> research, publications, appointments. | |
| | Correspondence consists almost entirely of Atkinson's letters; very few of Cherwell's replies survive. | |
| D.12 | 1924-29. | |
| D.13 | 1930-56. | |
| D.14 | Atomic Scientists' Association | 1946-53 |
| | Mainly notification of meetings and activities, minutes and circulars. | |
| | Cherwell was a Vice-President, and frequently protested, at meetings and in correspondence, at the Association's involvement in politics. | |
| D.15 | Bannister, R. G. | 1955 |
| | Cherwell's carbons only. | |
| D.16 | Barcroft, J. and others. | 1940-41 |
| | Correspondence and notes <u>re</u> use of dogs as experimental animals at Chemical Defence Organisation, Porton, for military investigations. | |
| D.17 | Barnet Instruments Limited | 1937-38 |
| | Research on various instruments and indicators for aircraft. | |
| D.18 | Battelle Institute Limited | 1955-56 |
| | Miscellaneous correspondence <u>re</u> possibility of establishing a Battelle Institute laboratory in Britain. | |
| D.19 | Beghian, L. E. | 1955 |
| | Bennett, A. E. | 1936 |
| | Berg, W. F. | 1933, 1940 |
| | Bergmann, S. | 1933 |

Scientific correspondence

D.20	Berkeley, Earl of	1928-35	Scientific correspondence at various dates <u>re</u> problems in Berkeley's research. Includes some social correspondence <u>re</u> visits, engagements, etc. with Lady Berkeley, 1934-45.
D.21	Berl, E.	1933	
	Berlin, I.	1933	
	<u>re</u> W. Heisenberg		
	Bethe, H.	1933	
D.22	Bhatnagar, S. S.	1944	
	Bickerdike, R. E.	1955	
	Blunt, J. A.	1950	
	on 'flying saucers'		
	Bodenstein	1933	
	Cherwell's carbon only		
D.23, D.24	Born, M.	1930 (one letter only), 1933-56	Scientific and personal correspondence; the early letters (to September 1933) are in German. Correspondence 1933-34, refers to several refugee German scientists and to Born's and Cherwell's efforts on their behalf, including Teller, F. London, Kallmann, Stobbe, John.
D.23	1920, 1933-38		
D.24	1940-56		Includes various wartime suggestions put forward by Born, his views on Palestine, history of quantum theory, etc.
D.25	Bowen, E. J.	1935	
	Bowers, K. D.	1957	
	Bosch, Carl	1934, 1936	
D.26	Brabazon of Tara	1931, 1945, 1951	

D.27	Bragg, W. L.	1919-54
	General correspondence, various dates 1919-54.	
	Includes one letter from Sir William Bragg (father of Sir Lawrence), 1933, and draft obituary of Sir William by Cherwell, written for <u>Nature</u> , 1942.	
	Also included is a little correspondence with Lady Bragg.	
D.28	Bridgman, P. W.	1950
D.29	British Association for the Advancement of Science	
	1932, 1949	
	Correspondence re Cherwell's contributions to meeting on 'supra-conductivity', 1932, and invitation to him (declined) to serve on Section A Committee, 1949.	
D.30	Bronte-Stewart, R.	1957
	Cherwell's carbon only	
	Brooks, C. E. P.	1947
D.31	Brutskus, J.	1933
	<u>re</u> German refugees	
	Bullard, E. C.	1949, 1952, 1956
	Burton, C. V.	1917
	Bush, J. V.	1943
D.32	Cahn, Heinz and Cahn, Hilda	
	(eldest daughter of W. Nernst) 1934-39	
	Arrangements for settling in England. Correspondence of 1938 refers to Cherwell's acting as Trustee for Ursula Hahn, daughter of Angela Hahn and granddaughter of W. Nernst.	
	See also D.87, D.170, D.172	
D.33	Calvert, H. R.	1930
	Work in Franck's laboratory	
	Chadwick, J.	1940
	<u>re</u> French stock of heavy water.	
D.34	Chapman, S.	1919, 1951-52
	Correspondence 1951-52 refers to attempts to save the non-magnetic ship <u>Research</u> , designed in 1935 to carry out magnetic observations at sea.	

Scientific correspondence

- D.35 Collie, C. H. 1929-53
Correspondence re research in progress, publications, visits, appointments, etc. at the Clarendon Laboratory.
Correspondence of 1935 refers to visit by Szilard; correspondence of 1940 refers to work at Clarendon Laboratory on wartime contracts.
- D.36 Compton, A. H. 1934
- D.37 Cooke, A. H. 1940
re Cherwell's enquiry about use of high tension transmission lines as guides for aircraft.
- Cookson, K. 1955
- Corner, J. 1957
ms. note on primes.
- D.38 Copeman, S. A. Monckton 1928-34
Treatment of cancer tumours by 'activated' fluorescein; includes correspondence on same subject with C. Goulesbrough.
- D.39 Council for British Archaeology, and others 1949-56
Correspondence with Council and with colleagues in Oxford, re scientific methods, tests, etc. for archaeology and the history of art.
- D.40 Courant, R. 1935
re German refugees
- Curtis, W. E. 1951
- Cwilong, B. M. 1947
- D.41 Daunt, J. G. 1946
de Bélinay 1950
- D.42 de Broglie, L. V. 7th Duc 1915, 1955
Correspondence of 1955 refers to Cherwell's election as Membre Correspondant, Académie des Sciences, and includes a list of his published papers.

D.43-D.46

4 folders of scientific and personal correspondence as follows:

D.43

1912-20

Mainly scientific correspondence on radiation experiments, publications, Solvay conference, sound-waves, etc.

D.44

1921-40

Includes correspondence re conferment of Hon. Degree on de Broglie at Oxford, June 1921, his award of Hughes Medal of the Royal Society, 1928, and of his election as Foreign Member of the Royal Society, 1940.

D.45

1944-50

Includes correspondence, 1948, re projected cross-channel radio conversation between Cherwell and de Broglie on 'Rôle de la science dans la civilisation', to be recorded by Radiodiffusion Française.

D.46

1951-56

Includes correspondence, 1955, re Cherwell's election as Membre Correspondant, Académie des Sciences.

See also correspondence with the de Pange and de Rochetaillée families.

D.47

Dee, P. 1.

1946

re Cherwell's part in development of H_2S .

de Haas

1937

Cherwell's carbon only

De La Rue and Co. Ltd., and others 1955

Dewar, J.

1917

re Cathode Ray tubes.

D.48

Dobson, G. M. B.

1919-56

Includes early scientific correspondence, 1919-20, re research and re Dobson's Lecturership in Meteorology at Oxford, and material re his retirement dinner in 1956.

Scientific correspondence

- D.49 Droge, T. C. 1932
Cherwell's carbon only, on financial support for science.
- DuMond, J. W. M. 1954
- Dunworth, J. V. 1954-56
re Journal of Nuclear Energy, etc.
- D.50 Eddington, A. S. 1913, 1915, 1916, 1918,
1932 (Cherwell's carbon only)
Mainly re publication of Cherwell's papers.
- D.51 Egerton, A. C. G. 1914-20, 1929, 1936, 1940, 1945
Scientific and personal correspondence.
Egerton was one of Cherwell's earliest colleagues; he, his wife Ruth, and Cherwell had all worked in Nernst's laboratory before the 1914-18 War, and he was Reader in Thermodynamics at Oxford from 1921 to 1936 when he moved to Imperial College, London.
Most of the early letters are signed 'Jack'; Mrs. Egerton continued to address Cherwell as 'Peach' as late as 1936.
Correspondence of 1914 relates to Cherwell's and Egerton's attempts to assist war effort and includes a copy of their letter of 8 August 1914 offering their services to the War Office.
- D.52 Eggert, J. 1954
- Ehrenfest, P. 1914, 1926

Scientific correspondence

- D.53-D.69 Einstein, A. and others.
Correspondence and papers 1921-55
Mainly related to Einstein's visits and lectures in Britain, and including some scientific exchanges and personal material.
- D.53 Correspondence 1921
re Einstein's visit, and lectures in Britain.
- D.54 Correspondence 1927
re Invitation to Einstein of Rhodes Memorial Lecturership.
Cherwell was asked by the Trustees to extend an invitation to Einstein for 1928. In his replies Einstein hoped to accept, but later declined for reasons of health.
- D.55 Correspondence 1930-31
re Renewed invitation to Einstein of Rhodes Memorial Lecturership; Einstein at first declined because of ill-health but Cherwell met him in Berlin in 1930 and arranged a visit to Oxford for April 1931.
Includes a 3 pp. outline of Einstein's life and work, prepared by Cherwell.
- D.56 Correspondence 1931
Mainly re Einstein's visit to Oxford as Rhodes Lecturer, during which he stayed in Christ Church; includes some scientific material, and information on the state of Germany, and invitation to Einstein to visit Christ Church on a regular basis.
- D.57 Correspondence 1932-33
With Einstein and colleagues re visits and lectures.
Includes some material re Einstein's departure from Germany. Cherwell's letter of 4 May 1933 discusses the possibility of helping Jewish refugees to work in Oxford; Einstein offers 'ein Drittel' (one third) of his income towards helping refugee scientists in his letter of reply (7 May).
- D.58 The Herbert Spencer Lecture.
Delivered by Einstein at Oxford in Trinity Term 1933.
Includes: Invitation to give lecture, and acceptance.
1 p. ms. notes by Einstein.
Introductory remarks and 9 pp. typescript with ms. corrections of lecture 'On the Method of Theoretical Physics'.

Scientific correspondence

- D.59 Three lectures on 'The Outlines and Outstanding Problems of the Theory of Relativity', given by Einstein at Oxford.
Includes Einstein's ms. and typescript plan for lectures, 3 pp. Summaries of the three lectures, typescript with ms. corrections by Cherwell and Einstein.
- D.60 Correspondence with Cherwell arising out of Einstein's visits, requests for information, etc. 1931, 1932
Letter from Vice-Chancellor of Oxford, hoping Einstein could give Romanes Lecture for 1935.
- D.61 Correspondence re Income Tax payable by Einstein in respect of his Research Studentship at Christ Church, 1932.
- D.62 Miscellaneous invitations and appeals addressed to Einstein on his visits to England, from individuals, societies, etc. Some with Einstein's reply. 1932, 1933
(Cherwell arranged, at Mrs. Einstein's request, to provide secretarial assistance for Einstein, who was too modest to ask for such help himself.)
- D.63 Correspondence 1934-35.
Letters from Einstein re political situation in Europe, and re Jewish refugee scholars in need of assistance.
- D.64 Correspondence 1938
Mainly re a portrait of Einstein by Liebermann.
- D.65 Correspondence 1941
re Siegfried Rothschild, a German Jewish refugee chemist interned in the Isle of Man, for whom Einstein requested assistance.
- D.66 Correspondence 1944
re books for the Hebrew University at Jerusalem.
- D.67 Correspondence 1945
1947 re Emergency Committee of Atomic Scientists.

Scientific correspondence

- D.68 Correspondence and papers re Cherwell's obituary notice of Einstein prepared for The Daily Telegraph, February-April 1954.
Includes several texts, additions, amendments, etc. of the obituary, and Cherwell's letter refusing payment and returning cheque.
- D.69 Correspondence 1955
Requests to reproduce Cherwell's obituary of Einstein, or for information about him.

Scientific correspondence

- | | | |
|------|---|------------------|
| D.70 | Ellis, F. | 1950 |
| | <u>re</u> Radiotherapy at Oxford. | |
| | Includes a letter from A.D. Gardner. | |
| D.71 | Eveleigh, V. | 1944 |
| | Evetts, J. F. | 1944 |
| | On detection of mines by dogs. | |
| D.72 | Fajans, K. | 1935 |
| | Felix, A. | 1933 |
| D.73 | Finlay-Freundlich, E. | 1949 |
| D.74 | Fleischer, R. | 1913, 1924 |
| | Scientific and personal correspondence, variously addressed 'Dear Boy', 'Dear boy, Doctor and Professor in spe', and 'Lieber Peach'. | |
| D.75 | Fletcher, W. | 1926-31 |
| | <u>re</u> Light Committee, and work on X-ray tubes for treatment of tumours. | |
| D.76 | Florey, H. W. | 1938-44 |
| | Fowler, A. | 1920 |
| | <u>re</u> Paper by M.N. Saha. | |
| D.77 | Franck, J. | 1913-33 |
| | Scientific and personal correspondence, including invitation to Franck (1933) to accept a Research Fellowship at Wadham College should he be obliged to leave Germany. | |
| D.78 | Frank, Ludwig | 1936-40, 1950-56 |
| | Scientific and personal correspondence <u>re</u> collaboration with Frank in radioactive medical research, and arrangements for him to settle and practice in England. (Frank was a brother-in-law of F.E. Simon, q.v.) | |
| D.79 | Freeth, F. A. | 1927 |
| | Fucks, W. | 1950 |

Scientific correspondence

- D.80 Gabor, D. 1956
 Gdng, K. 1936-37
 Arrangements to settle in England.
 Gallop, J. W. 1950, 1951
 On cyclotron.
- D.81 re Gemant 1933
 Arrangements to work in Oxford.
 Gilchrist, L. 1920
 Gill, E. W. B. 1937, 1950, 1954
- D.82 Goodrich, E. S. c.1934
 Grad, H. 1950
 Gratias, O. A. 1933
- D.83 Griffin, F. A. and others 1954
 re Awards for services to international organisations.
- D.84 Griffith, I. O. 1929-41
 Miscellaneous correspondence of various dates re research
 and affairs of the Clarendon Laboratory.
- D.85 Griffiths, J. H. E. 1939
 (includes letter from G.P. Thomson, 1938, re Griffiths)
 Grigg, P. J. 1933
 Guchnik, P. 1931
 Gueben, G. 1948
- D.86 Haber, F. 1933-34
 Arrangements for him to settle in Cambridge; also includes
 correspondence re H. Kallmann.
- D.87 Hahn, A. F. 1938
 (Son-in-law of Nernst.)
 Requesting reference from Cherwell to assist in settling
 in London.
 See also D.32, D.170, D.172

Scientific correspondence

- D.88 Halban, H. and others 1945-54
Scientific and personal correspondence with and re Halban.
- D.89 Hall, E. H. 1929
On Boltzmann's formula.
Hamilton, H. 1933
Hammick, D. Ll. 1920
Hardy, G. H. 1936
Requesting help for refugee scientists.
- D.90 Hartley, H. B. 1930, 1940, 1944, 1954
Harvy, J.D. . n.d.
Cherwell's carbon only.
Herzog, R. O. n.d.
Hinshelwood, C. N. n.d., 1948, 1955
- D.91 Hirschlaff, E. 1933
Houtermans, F. G. 1933
re Funds for Szilard.
- D.92 Hudson, T. C. 1931
Hume-Rothery, W. 1928-43
General correspondence on research, grants, accommodation.
Various dates.
Hurst, C. 1931
Cherwell's carbon only.
- D.93 Imperial Airways Limited 1934
re High altitude flying.

Scientific correspondence

D.94-D.113 Imperial Chemical Industries Limited (I.C.I.), 1931-56

Cherwell was a member of the firm's Research Council until 1939, when his official position obliged him to resign. In addition to giving his advice and collaboration on various research projects with the firm's laboratories, Cherwell was a personal friend of successive Chairmen and officials, and in particular of Sir Harry (later Lord) McGowan and members of the Mond and Melchett families. These personal contacts enabled him in 1933 to obtain the agreement of McGowan to his journey to Germany to interview Jewish scientists wishing to leave the country, and the later financing by I.C.I. of research posts for such refugee scientists, at Oxford and elsewhere. After the Second World War, I.C.I. continued its contribution to research at Oxford and elsewhere through the provision of I.C.I. Fellowships (D.111, D.112).

The material includes a few personal exchanges as well as information about research projects, personnel, etc. The correspondence in the 1930s is mainly with McGowan; during the 1940s there are substantial exchanges with Melchett (Henry Mond) on various offensive and defensive weapons under research and development by I.C.I.

The material is presented chronologically, with a brief indication of content. The correspondence is indexed.

For correspondence and papers on wartime projects, see Section G.

For personal and social correspondence with members of the Mond and Melchett families, see Section K.

D.94 1930-31

There is no surviving correspondence dated 1932.

D.95 1933

Two envelopes of visiting cards of German scientists, almost all with ms. notes by Cherwell on their specialities, languages, salaries, family circumstances, etc. Probably collected by Cherwell during his journey to Germany to interview and negotiate with scientists wishing to leave the country.

Correspondence and papers.

Includes authorisation and arrangements for Cherwell's journey to Germany, list of Jewish scientists to be supported by I.C.I. in Britain, etc., also general correspondence on research projects.

Scientific correspondence

- D.96 1934
Correspondence and papers.
Includes memo. by Cherwell and Rintoul to the Chairman (McGowan) 'On the employment of foreign scientists', 24 July 1934.
- D.97 1935
One letter only.
- D.98 1936
Correspondence and papers, comments on research proposals, preparations for war.
- D.99 1937
Correspondence and papers.
Includes correspondence re Oxford University Appeal, and memo. by Cherwell on appropriate research for I.C.I. to pursue (26 June), and some personal correspondence.
- D.100 1938
Correspondence and papers, mainly re research.
Includes copy of Cherwell's letter to Lady Mond on the death of Sir Robert Mond, stressing his financing of Jewish refugee scientists and especially the work of K. Mendelssohn (29 November).
- D.101 1939
Correspondence re dissolution of I.C.I. Research Council and offering Cherwell appointment (declined) as special consultant.
- D.102 1940
Correspondence with Melchett, re cartridges, etc.
- D.103 Typescript report by Melchett on his visit to the United States, 29 October 1940.
- D.104 1941
Brief correspondence with McGowan, re F.E. Simon's cessation of work for I.C.I. on taking up war work.

Scientific correspondence

D.105-D.108 1941

Correspondence, reports, notes of meetings and discussions on various wartime projects and weapons, including the 'Straw Pulp' process for animal foodstuffs, the 'sticky bomb', Bombard, anti-gas ointment, various explosives, nuclear bomb, etc.

D.105 January-March. Includes also notes from Melchett on the behaviour of Jews in the London blitz, and on the relations between government and industry in America.

D.106 April-May.

D.107 July-October. Includes memo. and costing of 'uranium bombs', and a letter on the launching of 'Endeavour'.

D.108 October. Brief correspondence re deferment of I.C.I. personnel.

D.109 1942

Correspondence and papers, mainly re economic policy and post-war cooperation with America.

D.110 1943

re 'P.I.A.T.' (Projector, Infantry, Anti-Tank).

D.111 1944

Includes papers re I.C.I.'s proposals to establish I.C.I. Fellowships in scientific subjects at nine British universities.

See J.54 for correspondence and papers, 1944, from Melchett re the situation in Palestine.

D.112 1945

Includes material re I.C.I. Fellowships, and printed Report on 'I.C.I.'s technical achievements during the war'.

See J.76 for correspondence with Melchett re economic affairs, Israel, etc., 1948

D.113 Miscellaneous shorter correspondence:

1947 re Bombard

1949 on Melchett's death

1956 on I.C.I. and Universities

Scientific correspondence

- | | | | |
|--------------|--------------------------------------|--|---|
| D.114 | India Office | 1928-30 | |
| | | | Correspondence and papers <u>re</u> Cherwell's visit to India as a member of the committee 'to enquire into the future activities of the Forest Research Institute, Dehra Dun'.

Includes invitation, terms of reference, travel arrangements, letters of thanks. |
| D.115 | Ingram, C. | 1916 | |
| | Institute of Physics (various dates) | 1933-56 | |
| D.116, D.117 | Jackson, D. A. | | Personal and scientific correspondence; includes some letters from Pamela Jackson. |
| D.116 | 1929-41 | Mainly scientific correspondence on research and career. | |
| D.117 | 1941-52 | Mainly personal correspondence including arrangements for purchase and half-shares with Cherwell in Guernsey cows (see also A.107). Includes material <u>re</u> Cherwell's draft of account of 'Window' for Churchill's history of the war (see also G.348). | |
| D.118 | Jeans, J. H. | 1916, 1919 | |
| D.119 | Jeffreys, H. | 1921 on meteors
1951 on history of 'packing fraction' | |
| D.120 | Joachim, H. | 1934 | <u>re</u> possible work in England.
Includes letters from G. Weinkler. |
| D.121 | Johnson, R. C. | 1930-33 | |
| D.122 | Joly, J. | 1926 | |

Scientific correspondence

- | | | |
|-----------------|--|---------|
| D.123-
D.125 | Jones, R. V. | 1931-55 |
| | Scientific and personal correspondence. | |
| | <p>Jones was an undergraduate at Wadham, and later as a research student at the Clarendon was responsible for work on infra-red radiation undertaken for the Air Ministry. His progress, described as 'remarkable' and 'excellent' (see D.123) led to his being appointed to the Scientific Research staff of the Ministry, to continue the work partly at the Clarendon Laboratory and partly at the Royal Aircraft Establishment, Farnborough.</p> <p>Jones did important work in scientific intelligence at the Air Ministry, notably on radio and radar counter-measures, from 1939.</p> | |
| D.123 | 1931, 1936-37 | |
| | <p>Includes correspondence <u>re</u> infra-red radiation research and Jones's appointment, and a copy of his 'Interim report on the detection of infra-red radiation from aeroplanes', 22 March 1936, which attracted very favourable attention.</p> <p>Also included here is Cherwell's letter to Wimperis (Secretary, Air Ministry), 11 December 1935, suggesting that Jones should undertake the work.</p> | |
| D.124 | 1942, 1945-48 | |
| | <p>Includes copy of Jones's report on 'A new infra-red spectrometer', 10 June 1945, correspondence <u>re</u> his appointment to the Chair of Natural Philosophy, Aberdeen, and copy of a letter from Churchill requesting details of the 'most memorable episode' when Jones advised him of the 'beam danger'.</p> | |
| D.125 | 1951-55 | |
| | Scientific and personal correspondence. | |
| D.126 | Kallmann, H. | 1933-34 |
| | <p>Correspondence with Kallmann, scientific colleagues and financial supporters <u>re</u> Kallmann's coming to work in Britain. Although space and funds were forthcoming, Kallmann proved cavalier and hard to please, and the offer lapsed.</p> | |
| D.127 | Katzenstein, R. | 1928-33 |

Scientific correspondence

- | | | |
|-------------|---------------|---------|
| D.128 | Kay, R. H. | 1957 |
| D.129-D.134 | Keeley, T. C. | 1919-55 |
- Scientific and personal correspondence.
- Keeley was one of Cherwell's oldest colleagues at the Clarendon and at Wadham College, Oxford. He was Cherwell's second-in-command at the Clarendon and shouldered much of the routine administration during Cherwell's absences and especially during the Second World War.
- | | | |
|-------|--|--|
| D.129 | 1919 (Keeley's acceptance of post at Oxford), 1928, 1929 | |
| D.130 | 1930-39 | |
- Includes arrangements for arrival of K. Mendelssohn, 1932, and plans for wartime research teams at Clarendon working on Admiralty contract (1939).
- | | | |
|-------|------|--|
| D.131 | 1940 | |
|-------|------|--|
- Research and administration of the Clarendon Laboratory, mainly wartime projects and contract work.
- Letter of 12 September discusses keeping chickens near the laboratory to ensure fresh eggs for Cherwell.
- | | | |
|-------|---------|--|
| D.132 | 1941-44 | |
|-------|---------|--|
- Correspondence on research projects and administration at the Clarendon Laboratory.
- | | | |
|-------|---------|--|
| D.133 | 1943-44 | |
|-------|---------|--|
- Correspondence re recommendation of Keeley for an honour (the C.B.E. was awarded in 1944).
- Includes accounts by Bowra, Cherwell and others of Keeley's work at the Clarendon Laboratory.
- | | | |
|-------|---------|--|
| D.134 | 1947-55 | |
|-------|---------|--|
- Correspondence re research and administration at the Clarendon Laboratory.
- Includes correspondence re a portrait of Keeley painted for his 60th birthday and presented to him on 16 February 1954.

Scientific correspondence

- D.135-D.138 King, E. Bolton 1928-56
- Bolton King was a Duke of Westminster Research Student of Christ Church and closely associated with Cherwell before the Second World War, particularly with reference to the Oxford Instrument Company set up to produce photo-electric cells. During the Second World War Bolton King worked on proximity fuzes, and in 1947 he was appointed Director of the Science Department of the British Council; details of his career can be found in the references provided by Cherwell in D.138, D.234.
- There are also a few letters from O. Bolton King (father).
- See B.106, C.54 for further material relating to the Oxford Instrument Company.
- D.135 1928-37
- D.136 1938-40
- Includes material re Cherwell's proposed visit to America in 1938, and re various wartime contracts and projects, particularly on proximity fuzes.
- See also correspondence with G.C. Simpson, D.234.
- See also G.393, G.394.
- D.137 1942-46
- Includes some personal correspondence re Cherwell's standing as god-father to Bolton King's daughter.
- D.138 1947-56
- Mainly personal correspondence re appointments; also includes material re winding-up of Oxford Instrument Company.
- D.139 Koch de Gooreynd, T. 1935
- D.140 Köhne, E. 1944
- Kommerz, R. K. 1938
- re and including letter from Friedrich Kottler.
- D.141 Kraitichik, M. 1953
- re prime numbers.
- D.142 Lange, F. n.d.
- Lenihan, J. M. A. 1955

Scientific correspondence

D.143 Lennard-Jones, J. E. 1930, 1944

D.144 Lewis, W. C. McC. 1920
 Liebermann, M. 1941

D.145-D.147 Lindemann, C. L. 1939-43

Cherwell's brother was Liaison Officer at the British Embassy, Paris, 1939-40, and at the British Embassy, Washington, 1940-47. He held the rank of Counsellor from January 1942.

The correspondence includes discussion of various ideas for wartime projects, weapons, etc., and news of visitors to U.S.A. and of Anglo-American joint projects. C.L. Lindemann's letters are often long and informative and include some personal material.

See A.95-A.97 for additional personal correspondence with C.L. Lindemann.

D.145 1939-April 1940
 Includes press-cuttings, material re mines.

D.146 July 1940-1942

D.147 1943-1944
 See also H.172

D.148 London, H. 1933
 re arrangements to work in Oxford.
 Includes some correspondence re Fritz London (brother).

D.149 Lorenz, H. A. 1913, 1914
 Lovell, A. C. B. 1948
 re Meteors.

D.150 Ludlam, E. B. 1930-31

D.151 MacDonald, D. K. C. 1951, 1954
 MacGregor-Morris, J. T. 1952
 McKerrow, G. 1923

D.152	Mc Lean, R.	1941
	Mac Lennan, H.	1954
	<u>re</u> Radioactive gauze swabs.	
	McNeill, K. G.	1951, 1955
D.153	Maggini, M.	1931
	March, -	1933
	Cherwell's carbon only.	
	Matthias, A.	1929
	Mayer, E.	1933
	<u>re</u> help for a German scientist.	
D.154	<u>re</u> Meitner, L.	1938, 1949
	Miscellaneous correspondence (both dates) <u>re</u> possible arrangements for Meitner to work in Britain.	
D.155	Mellanby, E.	1940, 1942
	Includes correspondence 1942 <u>re</u> a suggestion of the Duke of Devonshire that St John's Wort might be a feature in night blindness.	
D.156	Mendelssohn, K.	1933-46
	Scientific and personal correspondence.	
	Mendelssohn was one of the distinguished Jewish scientists who left Germany in 1933. He worked in low-temperature physics and other projects at the Clarendon Laboratory.	
	Mendelssohn was supported by one of the I.C.I. grants, and later by a personal grant from Sir Robert Mond. Cherwell's letters of 29 October 1936 and 1 May 1939 refer to these arrangements.	
	Includes a copy of a letter from Mond, November 1936.	
	See also D.100, D.184.	
D.157	Menger, W.	1931
D.158	Merton, T. R.	1926, 1940-43, 1947
	Mainly correspondence with Merton and others <u>re</u> various wartime projects. Includes Cherwell's invitation (July 1942) to Merton to join M.D.I. as Honorary Scientific Adviser.	

Scientific correspondence

- D.159 Meyer, S. 1920-31
Michelson, A. A. 1914
One letter only, re 'earth-tide experiment'.
- D.160 Milne, E. A. 1928-50
Personal and scientific correspondence, including Milne's appointment at Oxford, his research, various Oxford University matters, etc.
- D.161 Minns, W. 1952, 1955
Möglich, F. 1948
re Cherwell's paper on Planck.
Molson, A. H. E. 1933
re Entry permits for Jewish refugee scientists and supporting Cherwell's initiative in the matter.
- D.162 Mond Nickel Company Limited 1939
Correspondence and papers, mainly re toxicity of Iron Carbonyl.
Includes some printed matter re the Company and its activities.
- D.163 Mott, N. F. 1954
Brief correspondence re Philosophical Magazine.
- D.164 Moullin, E. B. 1936-42
Scientific and personal correspondence.
Includes letter re Wykeham Chair of Physics, 1942.
- D.165 National Gallery of Art, Washington 1946
re Use of X-rays on works of art.
Nature 1955
- D.166 Needham, J. 1944
Mainly re Needham's Memorandum on an 'International Science Co-operation Service', a copy of which is included.

Scientific correspondence

D.167-D.172 Nernst, W. H. and others 1911-49

Cherwell worked in Nernst's laboratory in Berlin from 1908, as one of the team of scientists and research students investigating the specific heats of substances at low temperatures. Cherwell took his doctorate in Berlin in 1910 and published several collaborative papers with Nernst. Cherwell left Germany at the outbreak of war in 1914 but remained on very friendly terms with Nernst.

The correspondence deals with scientific and personal matters; the latter include Nernst's visit to Britain in 1937 and the conferment of an Honorary Degree at Oxford, and matters relating to Nernst's widow Emma and daughters Hilda (Mrs. Cahn, see D.32), Edith and Angela (Mrs. Hahn, see D.87).

See A.3 for material relating to Cherwell's studies in Germany.

The correspondence, most of which is in German, is presented chronologically; it consists almost entirely of letters from Nernst, few of Cherwell's replies having survived. Many of the letters bear numbers and/or annotations added by previous users of the collection, and some have translations appended.

D.167 1911 (includes 3 pp. ms. only of a course of lectures on Einstein's quanta-theory, in English)

1913

1915 (re Nernst)

Included here are 4 undated pages of ms. calculations on gases by Nernst on the writing-paper of his Berlin laboratory.

D.168 1921-27

D.169 1931-34

Includes reference to Nernst's election as Foreign Member, Royal Society (1932), and to his 'Neo-Bechstein' piano (1934).

D.170 1935-39

Includes correspondence re Nernst's visits to Oxford in 1936 and 1937 (for Honorary Degree at Oxford), and re Cherwell's acting as Trustee for Nernst's granddaughter Ursula Hahn. (See also Cahn, H.)

Scientific correspondence

D.171 1941

Cherwell's obituary notice of Nernst, for the Royal Society; proof with ms. corrections.

Included here is a 2 pp. undated note by Cherwell to a colleague, beginning 'Would you please save me from an immediate lapse into lunacy by pointing out what is wrong with the following ridiculous deduction from Nernst's Third Law?'

D.172 1946-49.

Correspondence with and re Mrs Nernst and her daughters.

In 1946 Cherwell requested permission for Mrs Nernst (then aged 75 and recently escaped from the Russian zone of Germany having lost all her property) to come to Britain to live with her daughter and son-in-law Cahn (q.v.).

In 1947 he helped to facilitate the journey of Nernst's youngest daughter Angela (Hahn, q.v.) from Brazil to Britain to visit her mother.

D.173	Noetzlin, J.	1927-54	Scientific and personal correspondence. Includes Noetzlin's notes on experiments conducted by him at the Clarendon Laboratory in 1925, and a letter <u>re</u> Noetzlin, 1942.
D.174	O'Gorman, M.	1932	<u>re</u> Cherwell's letter to <u>The Times</u> , May 1932.
	Oppenheimer, H. F.	1952	
D.175	Paneth, F. A.	1937-40, 1954	Scientific and personal correspondence, various dates. Mainly on meteorites.
D.176	Parker, K. T.	1955	<u>re</u> X-ray photography of paintings.
	Parry, E.	1919	
	Pauling, L.	1948	Cherwell's carbon to Dean of Christ Church <u>re</u> Pauling's work, probably in connection with Pauling's tenure of George Eastman Professorship, Oxford, 1948.
	Peierls, R. E.	1945	
D.177	Perrin, M. W.	1946 (Cherwell's carbon only), 1951-56	Includes Perrin's additional obituary note for F.E. Simon, 1956.
D.178	The Physical Society and The Physical Society Club	1933-52	General correspondence, including dinner for Einstein (1933), Guthrie Lecture by Cherwell (1935), obituaries of fellows, paper shortage (1947), etc.
D.179	Pilley, J.	1951	
	Pirene, M. H.	1956	
	Plaskett, H. H.	1943, 1944	Two letters only, on wartime projects.
	Plesch, J.	1938	<u>re</u> help for F. Ehrenhaft.

D.180 Pohl, R. W. 1912-14, 1937, 1950
Scientific and personal correspondence.

Poulton, E. P. 1931
re X-ray tubes.

D.182	Proudman, J.	1934-35
	Pryce, M. H. L.	1950
	Quilter, P. C.	1930-31
	re 'Radiostat' invention.	

D.184	Rado, R.	1933-36, 1954
-------	----------	---------------

See D.156 for further material re Mond's support for refugee scientists by a private grant.

re Inventors' Award for the cavity magnetron for Randall, Boot and Sayers.

D.186	Rapkin, L.	1942-43
	<u>re</u> French scientists in United States, Canada and South America.	
	Includes Memorandum and biographical information on 'how to utilise best our French scientists who are already on this side'.	
D.187	Rayleigh, Lord	1915, 1921, 1926-27
	Scientific correspondence; includes a little social correspondence from Lady Rayleigh.	
	The early correspondence (1915) on fluorescence, is signed R. J. Strutt (Rayleigh succeeded to the title in 1919).	
D.188	Reiche, Fritz	n.d., c.1933
	A Jewish scientist at Breslau.	
D.189	Renwick, Lord	1945-46, 1951-56
	Early correspondence is <u>re</u> wartime matters.	
	Later correspondence is <u>re</u> Radio and Electronic Component Manufacturers Federation and <u>re</u> The Radar Association.	
D.190	Riley, D. P.	1954
	Ritson, D. M.	1950
	Roaf, D.	1940
	<u>re</u> Work on magnetic resonance carried out under Admiralty contract at the Clarendon Laboratory.	
D.191	Robertson, R.	1919, 1934, 1937-38, 1945
D.192	The Rockefeller Foundation	1935
	2 letters only.	
D.193	Root, L.	1955
	Rothschild, N. M. V.	1939-40, 1944
	Various wartime projects.	
D.194	Rowe, A. P.	1936-45
	<u>re</u> various pre-war and wartime projects.	
D.195	The Royal Aeronautical Society	1945-56
	Miscellaneous shorter correspondence <u>re</u> membership and activities of the Society.	

Scientific correspondence

- D.196 Royal Aircraft Establishment (R.A.E.) 1929, 1954-56
Miscellaneous correspondence on research, appointments, etc.
- D.197 Royal Astronomical Society 1919, 1948-55
re Meetings and activities of the Society; correspondence 1948 deals with Cherwell's obituary notice of Lord Rayleigh and includes his typescript draft; correspondence 1951 invites Cherwell to accept nomination to Board of Management of the Isaac Newton Observatory.
See D.198.
- D.198 Royal Greenwich Observatory 1949, 1955-56
Miscellaneous correspondence re meetings and members of Board of Management, Isaac Newton Observatory, on which Cherwell served as a Royal Society and later as a Royal Astronomical Society representative.
See D.197.
- D.199 Royal Meteorological Society 1932-33
re Cherwell's election to the Fellowship of the Society, sponsored by G.M.B. Dobson and S. Chapman.

Scientific correspondence

- D.200-D.214 The Royal Society 1919-57
- Cherwell was elected to the Society in 1919, served on its Council and on various of its Sectional and ad hoc committees, published and refereed publications in its Proceedings, and participated in its meetings and elections.
- The material, which is presented chronologically, covers all these aspects of the Society's activities. A brief indication of content is given where appropriate, and the correspondence is indexed.
- D.200 1919-21
- Meetings, papers submitted for publication, formation of National Committee in Physics (Cherwell was one of the Society's representatives), dinners for Sherrington.
- D.201 1926-31
- Cherwell's nomination to Council, publications, elections (includes Cherwell's recommendation of de Broglie as a Foreign Member, 1928).
- D.202 1932
- Meetings (includes draft of Cherwell's contribution to discussion on 'The Structure of Nuclei'), Fellowships, publications, elections.
- D.203 1933-36
- Meetings, Cherwell's nomination to Committee on exploration of stratosphere, elections, publications.
- D.204 1938-42
- Meetings, publications, elections, report of Committee on Symbols, Cherwell's Obituary of Nernst.
- D.205 1943
- Correspondence re F.W. Edridge-Green and colour vision.
- D.206 1944
- Committee papers and brief correspondence re Post War Fundamental Research Committee, on which Cherwell served.
- D.207 1945
- Correspondence, printed matter.

Scientific correspondence

- D.208 1946-49
Meetings, elections, research proposals; includes Cherwell's appointments to the Board of Management, Isaac Newton Observatory, the General Board, National Physical Laboratory, and the Paul Instrument Fund Committee (renewed 1953).
- D.209 1950-51
Termination of Cherwell's service on Gassiot Committee, his appointment to Sectional Committee for Physics, research proposals, publications, elections, printed matter re Committees, etc.
- D.210 1952
Correspondence and printed matter re Paul Instrument Fund, Physics Sectional Committee, elections.
- D.211 1953
Correspondence and printed matter re Paul Instrument Fund, Physics Sectional Committee, elections, publications, research projects, termination of Cherwell's service on Physics Sectional Committee.
- D.212 1954
Termination of Cherwell's service on General Board, National Physical Laboratory, elections, publications, research projects.
- D.213 1955
Elections, research proposals, publications.
- D.214 1956-57
Elections, research grants and proposals, Memoir of F.E. Simon.

Scientific correspondence

- | | | |
|-------|--|------------------------|
| D.215 | Rüchardt, E. | 1933 |
| | Letter of introduction for Bauerwald. | |
| D.216 | Russ, S. and others | 1933 |
| | <u>re</u> Use of X-rays in medicine and Cherwell's invention of small X-ray tubes. | |
| D.217 | Russell, H. | 1921 |
| | Russell, R. S. | 1949 |
| D.218 | Rutherford, Lord | 1914-21 |
| | Scientific and personal correspondence. | |
| | Rutherford was one of Cherwell's supporters for the Oxford Chair, to which reference is made. | |
| D.219 | Ryle, G. | 1942 |
| D.220 | Ryle, J. A. | 1936, 1939 |
| | Mainly <u>re</u> M. Ryle (q.v.) | |
| D.221 | Ryle, M. | 1939, 1946, 1948, 1955 |
| | Letter of 1939 (Cherwell's carbon only) refers to work planned for Ryle at the Clarendon on short wireless waves, which he did not undertake as he moved to the Cavendish Laboratory, Cambridge. | |
| D.222 | Sampson, R. A. | 1917, 1921 |
| | on Einstein's theories. | |
| D.223 | Schilovsky, P. | 1954 |

Scientific correspondence

- D.224, D.225 Schrödinger, E. and 1933-39
 Annemaria Schrödinger
- Cherwell played a major part in assisting Schrödinger to leave Germany in 1933; Schrödinger settled in Oxford, where he was a Fellow of Magdalen College and also received financial support from I.C.I. and the Rockefeller Foundation. In 1936 he took up an appointment at Graz and in 1939 moved to Dublin as the first Professor of Theoretical Physics in the newly-formed 'Institute for Advanced Studies'.
- The correspondence deals mainly with arrangements for Schrödinger's housing, financial support, etc., but includes some scientific material and references to Einstein, Cahn, etc.
- D.224 1933-34
- D.225 1935-39
- Includes some material relating to Schrödinger's position under the German occupation of Austria, and his move to Dublin.
- D.226 Schwers, F. 1912, 1913, 1915
- Earlier correspondence refers to the collaborative paper Schwers and Cherwell published in 1913 (Phys. Z., 14).
- Seely, J. B. 1926
- On a mathematical puzzle, with Cherwell's ms. note of solution.
- D.227 Sidgwick, N. V. 1921, 1931
- Two letters only, on research projects.

Scientific correspondence

- D.228-D.233 Simon, F. E. and others 1933-57
- After leaving Germany in 1933 with Cherwell's help, Simon worked in the Clarendon Laboratory, principally on low temperature research and on the separation of uranium isotopes by gaseous diffusion. He remained at the Clarendon for the rest of his life and had been appointed Cherwell's successor as Dr Lee's Professor of Experimental Physics and head of the Laboratory in 1956, but died of a sudden heart attack in October of that year.
- Simon was one of Cherwell's most respected colleagues and a close personal friend; there are a few references to Simon's family with whom Cherwell was on friendly and unusually relaxed terms.
- The correspondence deals with various scientific and wartime projects, conferences and publications, as well as some personal matters relating to Simon's settling in Britain, financial support, naturalisation, etc.
- D.228 1933-38
- Scientific and personal correspondence.
- Includes arrangements for Simon to bring his apparatus with him when he settled in Britain, and 2 pp. undated note (probably by Simon) on 'Radioactive Measurements at Very Low Temperatures'.
- D.229 November 1939-June 1943
- Correspondence and papers on the possible use of liquid hydrogen as fuel for balloons or aircraft, mainly with D.R. Pye but includes Simon's memo. on subject sent to C. L. Lindemann, August 1940, and a further report by him on the subject, April 1942.
- D.230 May-November 1940
- Correspondence and papers on isotope separation and heavy water preparation.
- Includes letters from J. Chadwick, K. Fuchs, G.P. Thomson.
- D.231 1940-57
- Personal and scientific correspondence.
- D.232 1956
- Obituary tributes to Simon by Cherwell, and biographical information.
- D.233 1956
- Letters of condolence received by Cherwell on the death of Simon.
- See also A.84-A.87.

Scientific correspondence

- | | | |
|-------|--|---------------------|
| D.234 | Simpson, G. C. | 1938 |
| D.235 | Smith, R. A. | 1955 |
| | Sollers, W. J. | 1933 |
| | Sommerfeld, A. | 1921, 1933 |
| D.236 | Southwell, R. V. | 1935 |
| | Spottiswoode, N. L. | 1935 |
| | Stern, O. | 1933 |
| | Stuart, J. | 1956 |
| | <u>re</u> Professorial salaries. | |
| D.237 | Szilard, L. | 1935-38, 1945 |
| | Correspondence on radium research and apparatus, 'double neutrons', etc. | |
| | Includes draft paper by Szilard and Griffiths 'Gamma Rays excited by capture of neutrons', January 1937, and a letter <u>re</u> Szilard from L.R. Groves, 1948. | |
| D.238 | Tansley, A. G. | 1941 |
| | <u>re</u> proposed Society for Freedom in Science. | |
| D.239 | Taylor, G. I. | 1916-21, 1944, 1951 |
| | Correspondence 1916-21 is on various aeronautical problems and includes some personal material (Taylor was one of the 'Chudleigh Mess' with Cherwell). | |
| | Correspondence 1944 is <u>re</u> Taylor's contribution to aeronautical research and various other projects during the Second World War. | |
| | Correspondence 1951 includes an interesting letter from Taylor deducing from a newspaper photograph of a test explosion in America the likely development of U.S. nuclear research at that date. | |
| D.240 | <u>re</u> E. Teller (Letter from F.G. Donnan) | 1933 |
| | Thirring, H. | 1921 |
| D.241 | Thom, A. and others | 1956 |
| | <u>re</u> M.K.S. units. | |

Scientific correspondence

- D.242 Thomson, G. P. and others 1917-55
- Thomson met Cherwell during the First World War as a fellow-member of the 'Chudleigh Mess', and remained on friendly terms; he was the author of the Memoir of Cherwell for the Royal Society (Biographical Memoirs of Fellows of the Royal Society, 4, 1958).
- The early letters, c.1918-21, describe research in Cambridge, including collaborative work with F. W. Aston (q.v.) on isotope separation.
- Correspondence 1936 refers to Thomson's serious illness.
- Correspondence 1939-41 refers to various wartime projects including Thomson's appointment as Scientific Liaison Officer, Canada, and his wife's illness and death.
- Correspondence with various members of Thomson's family is also included.
- D.243 Tizard, H. T. and
 Kathleen Tizard 1913-46
- General correspondence on scientific projects, with a little personal material and letters from Kathleen Tizard.
- Letters 1914-20 are very friendly in tone and often addressed to 'Dear Lindy'.
- Correspondence 1939 includes the famous exchange about 'burying hatchets'.
- D.244 Townsend, J. S. E. 1939
- Includes correspondence with Nature re their note on Townsend's retirement, 1946.
- Traube, J. 1936
- Appeal for financial support to work in Britain.

Scientific correspondence

D.245, D.246 Tuck, J. L. and others 1938-56

Tuck worked in the Clarendon Laboratory from 1936 with financial support from The Salter's Institute of Industrial Chemistry. During the Second World War he was Cherwell's personal scientific assistant, assisting especially in the design of shaped charge weapons. In 1944 he went to America to continue atomic research, and was involved in test explosions there, and in 1946 at Bikini. He returned to the Clarendon in 1947 but took up an academic post in America in 1949.

The correspondence deals with various aspects of Tuck's career and research, including various wartime projects, equipment, appointments, etc.

His letters for 1946 contain descriptions of the Bikini test.

See Section F for other wartime contributions by Tuck.

D.245 1938-45

D.246 1946-56

D.247 Tufnell, E. B. 1919

Tufnell, L. 1945

D.248 Turner, H. H. 1915, 1920

D.249 Tyndall, A. M. 1930, 1933-34

Correspondence 1933-34 refers to financial arrangements for Heitler.

D.250 United Kingdom Atomic Energy Authority and
Atomic Energy Research Establishment, Harwell
1949-56

Correspondence re meetings, appointments, conferences and Open Days, etc.

D.251 re F. Urbach 1938

Correspondence with Society for the Protection of Science and Learning.

D.252 Valcarengi, A. D. 1932

Veblen, O. 1946

re visa for Helene Braun.

Scientific correspondence

- D.253 Vickers, D. 1919-36
Correspondence re financial support for research at the Clarendon Laboratory, and various research problems and projects.
See also B.4.
- D.254 von Engel de Janosy, A. 1952-57
von Laue, M. 1934, 1948, 1952
- D.255 Walls, R. R. 1945
Walz, H. 1949
Requesting help for a German scientist prisoner of war.
- D.256 Watson-Watt, R. 1941, 1950, 1952, 1956-57
Mainly re radar, and Watson-Watt's intention to work in Canada.
Included here is a letter, March 1945, from Secretary of State for Air re possible appointment of Watson-Watt as Scientific Adviser to the Air Ministry.
- D.257 Weissberger, A. 1936
re Cherwell's help in his coming to Oxford.
- D.258 Weizmann, C. and others 1939-42, 1944
Correspondence, reports, memoranda, committee papers re research proposals by Weizmann. These concerned:
(a) Fermentation process for 100 octane ketones from carbohydrates;
(b) Cracking process for producing toluene from petroleum.
Includes correspondence with Mountbatten, strongly advocating support for Weizmann's proposals, and a later letter, 1944, from Cherwell to Ernest Bevin on an alcohol fermentation process by Weizmann.
- D.259 Westphal, W. M. 1914
White, J. C. 1944
Cherwell's carbon only.
Whiddington, R. 1919
Whitehead, J. H. C. c.1934

Scientific correspondence

- D.260 Whittaker, E. T. 1949-50
 Mainly on Eddington.
- D.261 Wilson, R. 1950-51
- D.262 Wimperis, H. E. 1939, 1941
 Correspondence 1939 on pilotless aircraft; correspondence
 1941 on underwater explosions and re G.I. Taylor (q.v.).
- D.263 Windaus, A. O. R. 1933
 Plans for coming to England.
- Winternitz, P. 1938
 Request for help in emigrating.
- Wood, R. W. 1944
 Includes photographs of jet from fixed hollow charge.
- D.264 Wright, E. M. 1938-57
 Correspondence, drafts, etc. on mathematical problems.
 Cherwell regarded Wright as his 'father confessor' and sub-
 mitted his calculations and draft papers on primes for comment.
 A little personal correspondence is included.
 See C.73-C.75, C.77 for other work by Cherwell on
 mathematics.
- D.265 Wrinch, D. 1935
 Includes Cherwell's recommendation for a Research Fellowship
 for Dr Wrinch, 1939.
- D.266 re [✓]Žáček, A. 1948
 Letter from R. Furth asking help for [✓]Žáček and other Czech
 professors.

<u>SECTION E</u>	<u>PUBLICATIONS, LECTURES, SPEECHES E.1 - E.137</u>		<u>Page</u>
	(Including letters to the Press)		
E.1 - E.21	SCIENCE	c.1925 - 57	120
E.22 - E.60	POLITICS	1926 - 57	123
E.61 - E.103	EDUCATION	1931 - 57	128
E.104-E.137	INVITATIONS AND CORRESPONDENCE	1919 - 57	133

The material is of heterogeneous nature, including drafts or notes for Cherwell's own speeches, lectures or articles, his many letters to the national and local newspapers, his contributions to debates in the House of Lords, and his memoranda and minutes to ministers or government officials. Each sub-section is presented in chronological order so far as this is ascertainable; correspondence relating to a particular item has been left in place.

It should be noted that most of the drafts or fair typescripts for Cherwell's speeches in the House of Lords, 1941 - 57, were destroyed in April 1965 during a previous sorting of his papers. A note made at that time explaining the decision appears at E.22.

See Sections F, G, H and J for many other official memoranda and minutes prepared by Cherwell.

The miscellaneous correspondence in this Section (E.104 - E.137) includes letters from editors of journals and newspapers, radio producers, publishers, conference organisers, etc. inviting Cherwell to speak, write or attend meetings. He received several requests to write his memoirs, or his recollections of Churchill, all of which he refused.

Several of the later invitations are from schools and educational establishments, and reflect Cherwell's advocacy of an expansion in technological and scientific

Publications, lectures, speeches

education. Much of the material from 1950 onwards is concerned with this, and includes (E.97, E.98) the various projects for the promotion of higher technological education with funds from the Churchill 80th Birthday Trust, and (E.100) the draft for a speech or article on the subject, on which Cherwell was working immediately before his death in July 1957.

For further correspondence and papers on the organisation of scientific and technical research see G.526 - G.533.

Publications, lectures, speeches

- E.1-E.21 SCIENCE
- E.1 Ms. draft for untitled talk on the role of science in society. n.d.
- E.2 Ms. and typescript draft for talk on progress in science and invention. n.d., c.1925.
- E.3 Letters to Daily Telegraph and The Times, on the high cost of radium, May 1929.
Includes correspondence, and a request for an article on radium for The Times.
- E.4 Correspondence arising from a letter by Cherwell to The Times on the curvature of space, May 1932.
- E.5 Ms. draft for a lecture on 'Splitting the Atom', perhaps given at Oxford for a visit by Churchill. (Includes introductory remarks about Churchill.)
5 pp. (incomplete). n.d.
- E.6 Paper on electromagnetic induction, prepared for F.E. Smith, as information for engineers. Sent with a covering letter, February 1938.
8 pp. typescript + 1 fig.
- E.7 Short article on low temperature research at the Clarendon, with a ms. note 'Dictated for News Chronicle, Feb. 11th 1938'.
- E.8 Article on biological adaptation. Probably prepared for Churchill.
12 pp. typescript. 1938.
- E.9 'The River of Life'.
On evolution of the earth.
13 pp. typescript with ms. corrections, October 1938.
- E.10 Anecdote on a 'Death Ray', perhaps for newspaper publication. c.1945

Contribution to 'Science Survey', a series on B... Light Programme, 19...

Cherwell took part with Andrade, Robinson and de Gos Clark, in 'An Oxford Session'...

Transcript of broadcast.

Publications, lectures, speeches

- E.11 Contribution to 'Science Survey', a series on B.B.C. Light Programme, 1946.
Cherwell took part, with Andrade, Robinson and Le Gros Clark, in 'An Oxford Session', 5 July.
Transcript of broadcast.
Schedule of complete series.
Correspondence re broadcast, and re publication of the series; Cherwell refused a fee for his participation.
See also C.76.
- E.12 2 pp. comment on proposed combined school of science and philosophy at Oxford.
Contributed to Universities Quarterly, June 1947.
- E.13, E.14 Review of P.M.S. Blackett, 'Military and Political Consequences of Atomic Energy', 1948.
Written for Daily Telegraph.
and Article, 'Britain's red scientists', published in Sunday Dispatch, January 1949.
- E.13 Copy of drafts for both articles, with covering letter.
Proof copy of Sunday Dispatch article.
- E.14 Correspondence arising from Cherwell's review of Blackett's book, 1949.
- E.15 Article on low temperature research at Oxford, for The Times 'Progress in Science' supplement, 1950.
6 pp. typescript with ms. corrections.
Editorial correspondence.
- E.16 Speeches to Society of Chemical Industry, July 1954.
Cherwell received the Messel Medal of the Society, delivered the Messel Lecture (not included) on the importance of technology and fundamental research to industry, and also spoke at the lunch and the dinner given on the occasion.

Continued

Publications, lectures, speeches

- E.16 (cont'd.) Notes for speeches.
Correspondence re visit and publication of Messel Lecture.
Includes a letter from E.B. Chain endorsing Cherwell's views on technological training.
See also A.67.
- E.17 'Close to absolute zero'.
Letter to The Times on research at the Clarendon Laboratory, October 1954.
(Press-cutting.)
- E.18 'Physics and Philosophy'.
The first Robert Grosseteste Memorial Lecture, delivered in the Chapter House, Lincoln Cathedral, 21 May 1955.
Correspondence with Dean re delivery and printing of lecture.
Correspondence with O.U.P. re printing and circulation of lecture.
Copy of published version.
- E.19, E.20 Contribution to brochure prepared for the Jubilee of the Royal Aircraft Establishment, Farnborough, 1955.
Cherwell's essay contained recollections of the 'Chudleigh Mess', and his work on spinning flight, bombsights, etc.
- E.19 Typescript and ms. draft.
- E.20 Correspondence and drafts re essay and photographs.
See also A.10-A.17, C.11-C.31.
- E.21 Tribute to J.S. Townsend, for Oxford Mail, February 1957.
Miscellaneous notes, headings, anecdotes and material for talks or articles.

Publications, lectures, speeches

E.22-E.60

POLITICS

E.22

Note on the destruction of Cherwell's drafts for speeches in the House of Lords, agreed during the sorting and classification of the Cherwell papers in 1965.

The note is enclosed in a folder originally used to contain correspondence from the general public on food shortages (see J.73). The folder bears on the inner flap a ms. note of the destruction of similar material during the 1965 review.

E.23

Letter to press, on the General Strike, no indication of publication.

1926

E.24

Ms. drafts for articles or letters to press on the coal industry. n.d.

c.1928

E.25

Letter to The Times, on German sequestration of British-owned property.

1929

E.26

Typescript and ms. article on war, n.d. Perhaps by, or prepared for, Churchill.

11 pp.

E.27

Letters to The Times, 1933.

On Lord Birkenhead (February).

On terms of Versailles Treaty (October, two letters).

E.28

Three letters to The Times, August 1934.

On air defence.

E.29

Ms. notes and drafts for a speech, probably at the Oxford Union, opposing the motion 'That the return of the National Government to power at the next General Election would promote neither permanent recovery nor social justice'. n.d.

c.1935

E.30

Talk to 1922 Committee, on air defence.

1935

13 pp. typescript.

Another copy of this talk appears at F.7/1.

Publications, lectures, speeches

- E.31 Letter to press, on air defence, February 1935.
Included here are letters from readers re a letter by Cherwell on air defence published in the Daily Telegraph, May 1935, with suggestions for inventions and devices.
- E.32 Paper on German rearmament prepared in refutation of the arguments of Professor Bone, and probably intended for Churchill.
There is a ms. date 'J.30th '36'.
12 pp. typescript.
- E.33 Speech to the Bryce Club, on the origins of war.
13 pp. typescript.
Includes letter of thanks for talk, April 1936.
- E.34 Letter to Daily Telegraph, on 'Battleship versus Aeroplane', February 1936.
- E.35 Draft for speech on international situation, with a ms. note 'Sent to Lord Lloyd'.
13 pp. typescript. n.d. c.1936
- E.36 Article on air rearmament, for Evening Standard, October 1936.
Included here is brief correspondence from readers on a previous article by Cherwell, 'London's Peril from the Air', published in Evening News, 10 June 1936.
- E.37 Article on the kite-balloon barrage, for Evening Standard, 16 February 1937.
Letters from readers re article and with suggestions for inventions and devices.
- E.38 Letter to Daily Telegraph, on air fleet, February 1937.
- E.39 Article on possible future scientific inventions, prepared for Churchill and sent with covering letter, October 1937.
13 pp. typescript.
Included here is 1 p. typescript note on dangers of war, September 1937. Perhaps by Churchill.

Publications, lectures, speeches

- E.40 Article on air defence, for Daily Telegraph, October 1938.
- E.41 Letter to press, on air raid precautions and air defence,
n.d. c.1938-39
1 p. only, perhaps incomplete.
- E.42 Letter to The Times, on National Service for Scientists,
July 1945.
Letter to Daily Telegraph, on scientific man-power, December 1945.
- E.43 'Headings for talk to the Progress Trust on Atomic Energy'.
3 pp. n.d. c.1946
7 pp. draft talk on atomic energy, n.d. c.1946
- E.44 Letter to The Times, on British policy in Germany,
November 1946.
With a letter from L.S. Amery approving Cherwell's
views.
- E.45 Letters to The Times, on 'Food then and now', February-
April 1947.
With a little editorial correspondence.
Also included here is correspondence declining
payment for an article 'Why is Britain worse fed
than in Wartime?', which appeared in The Daily
Telegraph, February 1947.
- E.46 Article on inadequate food supplies, published in
Evening Standard, 4 June 1947 under the headline
'We are not getting enough to eat'.
Includes invitation to write article, letter of thanks.
- E.47 Letters to The Listener, on food supplies, May-June 1948.
Included here is an undated draft, perhaps for an
Oxford newspaper, defending the allotments in the
University Parks.
- E.48 Letter to The Times, on methods of selection for the
Civil Service, June 1948.
Letter to The Times, on coal production, September 1948.

E.49

Letter to The Times, on Finance Bill, May 1948.

Ms. and typescript

Publications, lectures, speeches

- E.49 Letter to The Times, on Finance Bill, May 1949.
Ms. and typescript versions.
- E.50 Letter to press, on food supplies, January 1950.
Three letters to The Times, on petrol rationing and currency, February-March 1950.
- E.51 3 pp. tribute to Churchill. n.d. c.1951
Note on M.W. Perrin, for Daily Telegraph, June 1951.
- E.52 Speech to Institution of Structural Engineers, March 1954.
Notes for speech.
Correspondence and previous invitations, 1951-54.
- E.53 Article on nuclear weapons and disarmament, for Look magazine, August 1954.
14 pp. typescript with a few ms. corrections.
6 pp. typescript version, with two additional concluding paragraphs.
Invitation to write article.
See also A.128.
- E.54 Letter to The Times, on deferment of national service for scientists, August 1955.
- E.55-E.59 Speeches and writings on United Nations Organisation, 1956-57.
Mainly re Cherwell's speeches in the House of Lords on 'Some Defects of U.N.O.' (11 December 1956) and 'United Nations Assembly and the Middle East' (10 April 1957).
- E.55 Hansard reports of speeches; arrangements for time and wording of question put by Cherwell, March 1957; draft letters to and from colleagues on subject.

Publications, lectures, speeches

E.56-E.58 Letters, mainly from U.S. readers of Cherwell's speech of 11 December, which was reproduced or discussed in several U.S. journals; some accompanied by articles, background information, etc. 3 folders as follows:

E.56 B - G

E.57 H - O

E.58 P - T

Not indexed.

E.59 Letters to The Times, on United Nations, February 1957.

A ms. draft continuation in reply to correspondence in The Times arising from above, n.d.

1957

E.60 Letters to The Times, on nuclear bomb tests, May 1957.

Publications, lectures, speeches

E.61-E.103

EDUCATION

E.61

Letter to The Times, on scientific education, March 1931.

With a letter to the Editor regretting the letter was not published.

E.62

Article on the importance of financial support for scientific research, written for Oxford University Appeal, 1936.

Typescript drafts.

Correspondence.

E.63

Correspondence and papers, 1938.

Re possible methods of avoiding premature specialisation by candidates for Oxford University.

E.64

Draft letter to press, on comparative expenditure on scientific research in U.S.A., Germany, Russia and Britain. n.d.

c.1938

E.65

Draft letter to press, on science, with ms. comments by I.O. Griffith, June 1938.

E.66

Article on the importance of scientific research in the national life, for The Oxford Magazine, March 1939.

Typescript draft.

Invitation to write article.

E.67

Letters re science and education.

1942, 1946

E.68

Letter to The Times, on need for increased science teaching, August 1946.

(Referred to in correspondence with E. Orowan in E.69.)

Included here is brief correspondence re the letter, May 1947.

E.69

Correspondence with E. Orowan, on education for engineering.

1946-47

E.70

Letters to The Times, on technological universities, November and December 1949.

Publications, lectures, speeches

- E.71 Shorter correspondence and papers on technological education, 1949.
- E.72 Correspondence 1950.
Mainly arising from 'The Case for the Technical University' reprinted from The Times Educational Supplement, January 1950 (Cherwell contributed an article 'Demands of Modern Engineering'), a copy of which is included.
Includes copies of letters sent by Cherwell to colleagues urging on them the requirements of technological education, and editorial correspondence re the T.E.S. article.
- E.73 Correspondence and papers re Conference on Higher Technological Education, held at Royal Society, March 1950 and organised by Tizard.
Cherwell gave a short 'statement of the case for an Institute of Higher Technology'.
Includes invitation, agenda, correspondence with participants, note of conclusions of meeting by J.D. Cockcroft.
- E.74 Correspondence and papers re one-day conference on education, organised by Federation of British Industries, at Rhodes House, Oxford, October 1950.
Cherwell attended as a representative of Oxford University, and spoke.
Includes Cherwell's contribution to discussion and brief editorial correspondence re its publication.
Also included here is a letter re a similar conference at Regent Street Polytechnic, October 1950, which Cherwell attended.
- E.75 Letter to The Times Educational Supplement, on technological university, October 1950.
Earlier draft for similar letter, n.d.
- E.76 General correspondence on technological education, 1951.
Includes a letter from McGowan with a copy of a speech by him on 'The Collaboration of Universities and Industry in the Moulding of Scientific Progress'.

Publications, lectures, speeches

- E.77 Copies of notes by Cherwell to ministers re technological education and correspondence arising, November-December 1951.
- E.78 Correspondence 1952, mainly with ministerial colleagues, re financial support for technological education, and siting of university departments selected for expansion.
Includes a Minute by Cherwell to Prime Minister on the subject, November 1952.
- E.79 Correspondence and papers on technological education and the siting of expanded technological university departments, 1953
- E.80 Address by Cherwell to Institution of Electrical Engineers, February 1953.
7 pp. typescript and ms.
- E.81 Correspondence April 1953, mainly ministerial exchanges of letters and views about the Further Report on Higher Technological Education by the University Grants Committee, issued on 27 March, a copy of which is included.
Those principally involved are R.A. Butler, Lord Woolton, Lord Salisbury, J. Stuart.
- E.82 Correspondence May-July 1953, re meetings and exchanges of views on U.G.C. report and matters arising.
- E.83 Two talks by Cherwell on the teaching of physics, 5 pp. and 6 pp. n.d. c.1954
- E.84 Correspondence and papers, 1954, mainly with former ministerial colleagues (Cherwell resigned from the Cabinet in 1953).
Includes Hansard, 7 December 1954, covering House of Lords debate on Higher Technological Education in which Cherwell spoke.
- E.85 Correspondence and papers 1954, mainly re Royal Technical College, Glasgow, which Cherwell hoped would be designated as one of the new Technological Universities and to which he referred in his speech in the House of Lords in E.84 above.
- E.86 Correspondence and papers 1954, mainly information and opinions on technological education sent to Cherwell by colleagues.

Publications, lectures, speeches

- E.87 Letter to Sunday Times, on need for technological university, May 1955.
- E.88 General correspondence re technological education, deferment of national service for scientists, etc. 1955
- E.89 Minute on technological education, prepared for Prime Minister (Sir Anthony Eden), December 1955.
Includes text of note as circulated to Cabinet, January 1956, and Cherwell's letter to R.A. Butler on subject.
- E.90 Letter (not for publication) to the Editor, Daily Telegraph, on technological education, January 1956.
- E.91 Two letters to Oxford Magazine on technological education, February and March 1956.
Draft for similar letter to Oxford Magazine, n.d.
Letter to The Times, December 1956.
- E.92 Draft speech to Congregation, Oxford University, on expansion of technological education, n.d. c.1956
Typescript and ms.
- E.93 General correspondence on education, 1956.
- E.94 Correspondence with headmasters re science education. 1956
- E.95 Correspondence with Lord Simon of Wythenshawe, on education, 1956.
Includes typescript draft of Simon's speech in House of Lords debate on education, November 1956.
- E.96 Shorter correspondence and papers, 1956.

Publications, lectures, speeches

- E.97-E.98 Correspondence, etc. with J.R. Colville, 1956-57.
- Mainly re projects to promote technological education with funds from the Churchill 80th Birthday Trust, and with support from industry.
- Various projects were proposed; among those which came to fruition are the Churchill Fellowships and the founding of Churchill College, Cambridge.
- The material includes various draft memoranda and papers, copies of letters to others, etc.
- 2 folders as follows:
-
- E.97 1956
- E.98 1957 (January-April)
- E.99 Correspondence January-June 1957.
- Cherwell died on 2 July, and was engaged in correspondence, plans for conferences and articles on the subject of technological education to the end.
- See also E.100 below.
- E.100 3 pp. draft on technological education.
- With a ms. note by J. Harvey 'Unfinished first draft of Professor's last dictation'.
- E.101 Speech on industrial support for science teaching in schools, n.d.
- E.102 Draft for speech on higher education in House of Lords debate, n.d., probably May 1957.
- E.103 Extracts from Hansard covering debates on education in House of Commons, 1953-56.

Publications, lectures, speeches

E.104-E.137 INVITATIONS AND CORRESPONDENCE

See the note on the content of the material in the
Introduction to Section E.

E.104 1919-20.

Correspondence with editors and publishers of Discovery,
re Cherwell's article on Einstein's Theory of Relativity,
commissioned for the first issue of the magazine but
later considered too difficult for the readership.

E.105 1930-31.

E.106 1932.

Includes correspondence re Cherwell's address, on
'The Place of Mathematics in Science and Philosophy',
delivered to the British Institute of Philosophy, and
published in Philosophy, 8, 1933; also included here
is correspondence 1947 requesting permission to reprint
the article in an anthology.

E.107 1933.

Correspondence, etc. re Cherwell's lecture on 'Some
Recent Discoveries in Science', arranged by English-
Speaking Union in aid of Walter Hines Page Endowment
Fund.

E.108 1933.

Invitation to write a note for Nature on work at Clarendon
Laboratory on liquefaction of helium; letters from
Andrade and Kapitza re article.

E.109 1933.

E.110 1935.

E.111 1935-37.

re Cherwell's lecture on 'Research at the lowest
temperatures and its importance to industry', given
as a public lecture to Institution of Chemical Engineers,
October 1936.

Publications, lectures, speeches

- E.112 1935-38.
Requests for articles, lectures, books on rearmament and especially air defence.
- E.113 1936.
re Guthrie Lecture; contribution to Exhibition of Very Low Temperatures at Science Museum, etc.
- E.114 1936.
re Broadcast on 'Fahrenheit' in 'The World Goes By' series, etc.
- E.115 1936-37.
re proposed lecture at Leeds.
- E.116 1937.
- E.117 1938.
- E.118 1941-42.
Includes requests for broadcast on Rutherford, obituary notices of I.O. Griffith, W. Nernst.
- E.119 1945.
- E.120 1946.
- E.121 1946-47.
re lectures given by Cherwell at Imperial Defence College on 'Civilisation and Science'.
- E.122 1947.
Includes correspondence re Cherwell's address to the Iron and Steel Institute.
- E.123 1948.
Includes correspondence re proposed B.B.C. Third Programme discussion broadcast on methods of selection for the Civil Service (the project did not develop).

Publications, lectures, speeches

- E.124 1949, January-March.
Includes correspondence re Cherwell's contribution to series of programmes on atomic energy for 'L'Université des Ondes' broadcast on the Parisian network; and re his article 'Financing the Budgets of the State' for the journal of the National Provincial Bank (see also A.125).
- E.125 1949, May-December.
- E.126 1950.
- E.127 1951.
- E.128 1952.
- E.129 Correspondence and papers re opening of new Physics and Engineering Laboratories, King's College, London, 27 June 1952.
Includes brochure, background material re staff and research in progress, offprints by members of department, etc.
- E.130 1953.
- E.131 1954, February-June.
Includes invitations to give Clerk Maxwell Memorial Lecture, J.D. Dunn Memorial Lecture (at Durham) (both declined), arrangements for Cherwell to visit Frankfurt, etc.
- E.132 1954, July-December.
- E.133 1955.
Invitations from schools and educational institutions, to speak on the teaching of science.
- E.134 1955.
Invitations from newspapers, political institutions. Includes request from H.A. Kissinger for article in Harvard University review Confluence.

Publications, lectures, speeches

- E.135 1956.
 Invitations and requests from schools or re science
 education.
- E.136 1956.
 Miscellaneous invitations, including requests for
 memoirs or autobiography.
- E.137 1957, January-June.

Catalogue of the papers and correspondence of

Frederick Alexander Lindemann,
Viscount Cherwell of Oxford CH, FRS
(1886 - 1957)

VOLUME 2

Section F, Second World War (Preparations and
statistical section, general papers)

Section G, Second World War (Statistical section,
military and scientific topics)

Section H, Second World War (Statistical section,
economic topics)

by Jeannine Alton and Julia Latham-Jackson
CSAC catalogue 80/4/81

CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

under the guidance of the Royal Society's
British National Committee for the History of Science, Medicine and Technology

Catalogue of the papers of

FREDERICK ALEXANDER LINDEMANN, C.H., F.R.S.

VISCOUNT CHERWELL OF OXFORD

(1886 - 1957)

Deposited in the Library of Nuffield College, Oxford

VOLUME II

Sections F - H

Compiled by: Jeannine Alton

Julia Latham-Jackson

1981

All rights reserved

<u>SECTION F</u>	<u>SECOND WORLD WAR F.1 - F.419</u>	
	<u>PREPARATIONS AND STATISTICAL SECTION, GENERAL PAPERS</u>	
		<u>Page</u>
	INTRODUCTION	138
F.1 -F.39	PRE-WAR PAPERS ON AIR DEFENCE, 1921-39	141
	With an introductory note	
F.40 -F.87	FORMATION AND ORGANISATION OF THE PRIME MINISTER'S STATISTICAL SECTION ('S BRANCH')	153
	With an introductory note	
F.88 -F.252	MINUTES EXCHANGED BETWEEN CHERWELL AND CHURCHILL, 1939-45	160
	With an introductory note	
F.253-F.257	CABINET PAPERS, 1940-45	172
F.258-F.394	CHARTS PREPARED BY THE STATISTICAL SECTION	173
	With an introductory note	
F.395-F.419	MISCELLANEOUS MINUTES AND CORRESPONDENCE, 1939-51	184

Second World War
Preparations and Statistical Section, general papers

INTRODUCTION

Section F documents Cherwell's growing preoccupation with the inevitability of war and the problem of air defence, and presents a general picture of his service to Churchill during the Second World War. Papers from the same period on more specific topics are in Sections G (military and scientific) and H (economic).

In October 1939 Cherwell was asked by Churchill, then First Lord of the Admiralty, to assemble a group of economists who would collect and co-ordinate Admiralty and other statistics. The group became known as the First Lord's Statistical Branch ('S' Branch) and the first members (in order of recruitment) were G.D.A. (later Sir Donald) MacDougall, H. Makower, G.L.S. Shackle, H.W. Robinson and D.G. Champernowne. R.F. (later Sir Roy) Harrod joined the group on 1 January 1940; other members included D.M.B. Butt, E.J.S. Clarke, W.A.B. Hopkin, C.M. Kennedy, C.J. Martin, W.R. Merton, J.R. Parkinson, F.R.P. Vinter and T. Wilson.

The functions of 'S Branch' are described in F.41 as follows:

- '1. To analyse statistics relating to the Navy and cognate matters and present the results in diagrammatic form both for the information of the First Lord and for his use in discussion.
2. To compile and keep up to date the album of charts and diagrams which the First Lord has circulated to the cabinet ...
3. To answer at short notice questions by the First Lord on any matter involving statistics with which he may have to deal as a member of the War Cabinet and other Committees.
4. To read all cabinet papers on economic matters and draw the attention of the First Lord to points which he might wish to take up.'

When Churchill became Prime Minister in May 1940 he retained 'S Branch' as an independent department outside the normal machinery of government, and it became known as the Prime Minister's Statistical Section, or sometimes, after Cherwell's appointment as Paymaster General in December 1942, as the Office of the Paymaster General. It remained in existence until the change of government in 1945.

Second World War
Preparations and Statistical Section, general papers

Although the scope of the work and the number of staff grew in accordance with the increased importance of the Statistical Section, its essential function remained the collection and distillation of information. Harrod (The Prof, p.221) relates that Churchill wished Cherwell to range over the whole field of the war effort, excluding only military operations and personal appointments and promotions. Much of Cherwell's interest was concentrated on military and scientific problems, and there is a large corpus of material relating to the development, production and use of various weapons and armaments. But he also involved himself in a wide range of economic topics including the efficient use of shipping tonnage, the production of food and raw materials, manpower, negotiations with U.S.A. for military and economic aid and, in the latter stages of the war, in the various problems relating to post-war reconstruction.

Statistics were assembled on all these topics from cabinet papers, departmental minutes and reports, and correspondence with colleagues in government departments and scientific and military establishments. (This background material is now mainly contained in Sections G and H.) In addition, Cherwell and his staff quantified and criticised the available data and assumptions on a wide range of major issues. Some of the famous battles resulting from his questioning of generally accepted views on, for example, the size of the German Air Force, the accuracy of British bombing and the existence and scope of the German V-weapons have been widely discussed in the published literature, and most of them are well documented in Section G (see Introduction to Section G). It is difficult to estimate the effect of Cherwell's quantitative approach to problems that would previously have been considered exclusively the province of the military, but it is interesting to observe that scientists in other fields were using a similar approach, with results such as the recognition of the importance of Operational Research to considerations of military strategy.

The material assembled by the staff of the Statistical Section was conveyed to Churchill in the form of a personal minute from Cherwell, often with a recommendation or a draft minute for Churchill to sign and send to the Minister concerned. Examples of these are to be found passim in Sections G and H, but F.88-F.216 contains a chronological sequence of Cherwell's minutes which appears to have been assembled after the

Second World War
Preparations and Statistical Section, general papers

war for the benefit of historians (see General Introduction). Many of these minutes are duplicated elsewhere, but the sequence as a whole presents an interesting general picture of the working relationship between Churchill and Cherwell during this period.

In addition to the minutes, statistics were often presented to Churchill in the form of coloured graphs or charts. Many examples of these have survived, and some appear passim in Sections G and H, but the majority are at F.258-F.394.

Second World War
Pre-war papers on air defence

F.1-F.39 PRE-WAR PAPERS ON AIR DEFENCE, 1921-39

The material is divided as follows:

- | | |
|-----------|---|
| F.1 -F.11 | Committee papers and correspondence |
| F.12-F.18 | Drafts and notes on air defence |
| F.19-F.39 | Correspondence on air defence and the international situation |

The majority of the correspondence in this section was previously kept with Cherwell's 'Personal' papers (see General Introduction) under the general heading of 'Air Defence'. It has been combined with a number of drafts, reports and committee papers from amongst Cherwell's wartime papers, some of which were not previously available to researchers, in order to form a more complete picture of Cherwell's preoccupations and activities during this period.

For letters to the press and articles on related subjects written by Cherwell during this period see Section E.

For material relating to Cherwell's political activities see Section J.

Second World War
Pre-war papers on air defence

F.1-F.11 Committee papers and correspondence, 1921-39

- F.1 Aeronautical Research Committee. Meteorology Sub-Committee.
Brief correspondence, 1921
- F.2 Aeronautical Research Committee. Kite Balloon Sub-Committee.
Correspondence and drafts, January-February 1926.
Included in the folder is a list of official committee papers which were destroyed during the review of the Cherwell collection in April 1965.
- F.3 Aeronautical Research Committee.
Correspondence, 1926, 1929, 1932.
- F.4 Committee of Imperial Defence. Anti-Aircraft Research Sub-Committee.
Correspondence, 1924-28

F.5-F.10 Committee for the Scientific Survey of Air Defence
(The 'Tizard Committee')

Correspondence and papers, 1934-36.

F.5 Correspondence, 1934 (F.5/1 - F.5/3)

F.5/1 Correspondence with G.I. Hodsall and R. Brooke-Popham, October-November 1934, re invitation to Cherwell to submit his views on aerial defence to a Committee of which Brooke-Popham was Chairman. Includes copy of a letter from Cherwell to S. Baldwin.

F.5/2 Correspondence with Lord Londonderry, November-December 1934, re the advisability of setting up an independent committee to investigate the possibilities of defence against air attack.

F.5/3 Letter from Cherwell to an unidentified correspondent (? Churchill), 9 December 1934, containing comments on his correspondence with Londonderry.

F.6 Correspondence, 1935 (F.6/1-F.6/5)
In alphabetical order.

F.6/1 Chamberlain, A. January-June
Includes correspondence with Churchill and Ramsay McDonald.

F.6/2 Cunliffe-Lister, P. (later Lord Swinton) June

F.6/3 Hankey, M. P. A. January, March

F.6/4 Londonderry, Lord January
Cherwell's reply to a letter from Londonderry, 20 December 1934 (see F.5/2).

F.6/5 Tizard, H. T. July-September
Includes 9 pp. typescript by Cherwell re air defence, sent to Tizard 1 July 1935.

Second World War
Pre-war papers on air defence

- F.7 Drafts, 1935 (F.7/1-F.7/2)
- F.7/1 13 pp. typescript draft with corrections in Cherwell's hand and a ms. note (not by Cherwell) 'Address to 1922 Cttee. 18 February 1935'. It is accompanied by carbon copies of letters from Cherwell to R.G. Clarry and T.J. O'Connor, 31 January and 8 March 1935.
- Another copy is included at E.30.
- F.7/2 2 pp. typescript, unsigned, but presumably by Cherwell, advocating the establishment of a committee 'with the full authority of Parliament under a chairman of Cabinet rank' in place of the Tizard Committee. n.d., c.1935.
- F.8 Correspondence, 1936 (F.8/1-F.8/6)
- In alphabetical order.
- | | | |
|-------|--------------------|-------------------|
| F.8/1 | Churchill, W. S. | February-June |
| F.8/2 | Hankey, M. P. A. | February-March |
| F.8/3 | King, E. B. | November |
| F.8/4 | Sinclair, A. H. M. | March |
| F.8/5 | Swinton, Lord | February-November |
- Includes letters from Swinton announcing the dissolution of the Committee after the resignation of 3 of its members (3 September) and its reconstitution under Tizard's Chairmanship but without Cherwell (2 November).
- | | | |
|-------|---------------|---------------|
| F.8/6 | Tizard, H. T. | February-July |
|-------|---------------|---------------|
- F.9 Committee papers and related correspondence (F.9/1-F.9/6)
- F.9/1 July-December 1935
- Mainly correspondence re arrangements for meetings, payment of honoraria, etc.
- F.9/2 January-February 1936
- Papers for the 15th meeting, 3 February 1936.
- A draft of the Committee's Second Interim Report, n.d., is also included in the folder.

Second World War

Pre-war papers on air defence

- F.9/3 March 1936
- F.9/4 June 1936
- F.9/5 July-December 1936
Includes 2 letters from Cherwell to A.P. Rowe, 10 and 11 July 1936 criticising the draft report of the Committee.
- F.9/6 Miscellaneous typescript drafts, some of which may have been prepared for submission to the Committee; others contain comments or criticisms on the work of the Committee. They are all unsigned and undated but the content points to Cherwell's authorship.
- F.10 7 pp. typescript entitled 'Air Defence (1939) Diary. Tizard Com. etc.' containing a résumé of events connected with the Tizard Committee. No author or date. Handwriting on cover note, and typeface, suggest that it was prepared by J. Harvey (Cherwell's personal secretary).
- F.11 Committee of Imperial Defence. Air Defence Research Committee.
Correspondence with Sir Kingsley Wood and others, 1938-39. Includes invitation to join the Committee and Cherwell's letter of acceptance, 1 December 1938.
Folder also includes extract from records of the 255th Meeting of the Committee of Imperial Defence, 22 March 1932, re decision to begin preparations for defence in the light of assumptions that a major war could occur in less than ten years.

Second World War
Pre-war papers on air defence

- F.12-F.18 Drafts and notes on air defence
- Many of these are undated, and not all are signed by Cherwell, but in most cases the subject matter points to his authorship. Most of the undated items probably belong to the 1930s.
- See also C.22ff., F.7, F.9, F.20.
- F.12 6 pp. typescript 'Notes on the principles of A.R.P.', 23 February 1929.
- 2 pp. typescript re relative dangers of attack by land, sea or air, n.d.
- F.13 'Notes on Air Defence by F.A. Lindemann'.
- 27 pp. typescript, n.d.
- F.14 'Analysis of Utility of Methods Proposed to Defend England Against Air Attack'.
- 36 pp. typescript, no author or date, but format is similar to F.13 above.
- F.15 Set of calculations re kite-balloons, n.d., perhaps 1938. (see letter to Churchill at F.20).
- F.16 2 pp. typescript re aerial mines headed 'Professor Lindemann's Memorandum', 1939.
- F.17 2 copies, one with ms. annotations by Cherwell, of 5 pp. typescript beginning 'As you know, I have recently had the opportunity of seeing what has been done by the Air Ministry about floating aerial mines to be distributed by aeroplanes and I think it may be useful to put on record my views on this subject'. n.d., 1939.
- F.18 Shorter typescript drafts re various aspects of air defence, all undated.

Second World War
Pre-war papers on air defence

- F.19-F.39 Correspondence on air defence and the international situation, 1921-39
- F.19-F.21 Letters from Cherwell to Churchill, 1935-39, re various aspects of air defence. Some of the letters convey technical information or statistics for Churchill's use at committee meetings, etc.
See also F.8/1.
- F.19 1935, 1936
- F.20 1938
Includes a 12 pp. draft on air defence, cast in the form of a speech, May 1938, and a note on kite-balloons, November 1938.
- F.21 1939
Includes some notes on aerial mines, March 1939, and 2 letters commenting on the result of experiments with small aerial mines, May 1939.
- F.22 2 pp. typescript headed 'Anxiety about Pre-war International Situation', with ms. annotation 'notes prepared for Lord Birkenhead's biography of Prof'. The typescript refers to a series of letters written between 1933 and 1939, and this sequence, numbered from 1-8, has been retained as F.23 below.
- F.23 Correspondence, 1933-39, originally assembled to illustrate Cherwell's attitude to international affairs during this period (see F.22). Items are numbered from 1-8 as follows:
1. Letter from Lord Lloyd, 22 September 1933, expressing regret that he had been unable to arrange an interview with Hitler.
 2. Letter from Cherwell to Signor Grandi, 20 December 1936, re possibility of arranging an interview with Mussolini.
 3. Letter from Cherwell to Group Captain Maclean, 26 October 1937.
 4. Letter from Cherwell to P. Donner, 15 November 1937.
 5. Letters to Churchill from Halifax and Austen Chamberlain, May 1938, thanking him for sending a report of the interview which he and Cherwell had with Henlein.
 6. Letter from Cherwell to J. Noetzlin, 7 June 1938.
 7. Letter from Cherwell to Lord Tweedsmuir, 14 October 1938.
 8. Letter from Cherwell to J.A. Lauwerys, 26 February 1939.

Second World War
Pre-war papers on air defence

- F.24-F.37 Correspondence with colleagues and friends re various aspects of air defence and other preparations for war, views of the political situation, etc. The correspondence has been kept in approximate chronological order; within each year, the material is presented in alphabetical order of correspondent with a brief indication of content where appropriate.
- F.24 1921
Brooke-Popham, H. R. M.
re development of high explosives
- 1924
Thomson, Lord
- 1926
Birch, J. F. N.
Hoare, S.
- F.25 1927
Birch, J. F. N.
Fleming, J.
re visit to Royal Engineer Board's experimental ground, Hythe
Hankey, M. P. A.
re co-ordination of research
Hoare, S.
Trenchard, H. M.
re bomb-sights
- F.26 1930
Brown, O. F.
(Cherwell's carbon only) re organisation of radio research
Eccles, W. H.
(Cherwell's carbon only) re organisation of radio research
Hall, A. H.
re methods for landing aeroplanes in fog
Petavel, J.
Invitation to a meeting at the National Physical Laboratory

Continued

F.26 (cont'd.) 1933

Schlepegrell, A.
re proposed conference in Oxford on political and social
developments in Germany

Forman, J.
re experiments with microwaves

The Secretary, Adastral House
(Cherwell's carbon only)

(includes a letter from H.E. Wimperis) re use of balloons
for air defence

re mustard gas

Second World War
Pre-war papers on air defence

F.30

1936

- Powis, C. O.
 re aircraft production
- Pye, D. R.
 re liquid hydrogen as fuel
- Swinton, Lord
 (Cherwell's carbon only)
- Tweedsmuir, Lord
- Wimperis, H. E.
 re liquid hydrogen and potassium-sodium bombs
- Wright, C.S.
Superintendent, War Office Experimental Establishment,
Shoeburyness
 (Cherwell's carbon only)

F.31

1937

- Hawkin, R. C.
 (Cherwell's carbon only)
- Hill, H. W.
 re anti-aircraft artillery
- Johnstone, H.
 re Tizard Committee
- Lennox-Boyd, A. T.
 re camouflage
- Maclean, L.
 re tactics in air warfare
- Macmillan, N.
 (Cherwell's carbon only)
- Nuffield, Lord
 (includes a letter from D.R. Pye) re liquid hydrogen
 as fuel
- (unsigned)
 re an article in the Sunday Times, 27 June 1937

F.32 1938
Chatfield, Lord
Coote, C. R.
Crow, A. D.
(Cherwell's carbon only) re U.P. weapons
Henderson, R. G. H.
re aerial mines
Muir, H. J.
re aerial mines
Swinton, E. D.

F.33 1938
Wright, C. S.
re hydrogen-oxygen explosive

F.34 1939
Crow, A. D.
(Cherwell's carbon only) re possible use of aerial mines
in U.P. weapons
Farren, W. S.
(Cherwell's drafts only) re aerial mines
Ferguson,
(Cherwell's carbons only) re aerial mines

F.35 1939
Muir, H. J.
re aerial mines

F.36
Naphen, P. L.
(Cherwell's carbon only)
Pye, D. R.
Includes letters from A. Woodward-Nutt and F. Rossiter

F.37 1939
Rothermere, Lord
Wedderburn, J. S.
(Cherwell's carbon only)
Wood, K.
Wright, E. M.
(Cherwell's carbon only)
(Correspondent unknown - Cherwell's carbon only)
re aerial mines

Second World War
Pre-war papers on air defence

F.38, F.39 Letters from members of the public describing inventions or offering ideas for use in the event of war against Germany. The correspondents have not been indexed. Some of the letters were originally addressed to Churchill, but were forwarded to Cherwell for advice.

For similar letters written after the outbreak of war
see G.472-G.498.

F.38 n.d., 1933, 1935

F.39 1936, 1937, 1939

Second World War
Statistical Section, general papers

F.40-F.87 FORMATION AND ORGANISATION OF THE PRIME MINISTER'S
STATISTICAL SECTION ('S BRANCH')

The material is presented as follows:

- F.40-F.78 Administrative correspondence re staffing,
accommodation, office procedure, etc. Includes
material on Sentry Hill, Marlow (the house used
by the Statistical Section, October 1940-April 1942),
and Cherwell's engagement diaries, 1943-45.
- F.79-F.85 Personal correspondence with and re members of
the Statistical Section. Some of the exchanges
continue into the 1950s. Correspondence with
R.F. Harrod documents his early involvement with
the activities of 'S Branch' before he formally joined
the group in January 1940.
- F.86, F.87 Miscellaneous historical material.

Additional minutes and correspondence from members of the Statistical Section
are to be found in F.395ff. and passim in Sections G and H.

For further information on the work of the Statistical Section see the Introduction
to Section F.

Second World War
Statistical Section, general papers

F.40-F.78 Administrative correspondence

F.40-F.64 Minutes and correspondence re staff establishment, salaries, appointments, allocation of work, etc., 1940-45. The names of known correspondents appear in the general index, but the sequence also includes several unsigned minutes by members of the Statistical Section.

1940

F.40 January-April

F.41 May-August
Includes a brief summary of the functions of the First Lord's Statistical Branch, 7 May 1940.

F.42 November

F.43 December
Includes list of areas of work for which various members of the Statistical Section were responsible, 9 December 1940.

1941

F.44 January-March

F.45 April-May

F.46 June-July

F.47 August-September

F.48 October

F.49 November

F.50 December

1942

F.51 January-March

F.52 April-June

F.53 July

F.54 August

F.55 September

Continued

Second World War
Statistical Section, general papers

1942 (cont'd)

F.56 October-November

F.57 December

1943

F.58 January-April

F.59 May-August

F.60 September-December

1944

F.61 January- June

F.62 July-December

1945

F.63 January-August

F.64 Miscellaneous undated (not indexed)

F.65 Copy of a letter from Churchill to Neville Chamberlain, 4 April 1940, beginning 'My dear P.M., I send you the first copy of the album I have had prepared by the Admiralty Statistical Department under Professor Lindemann. I am sending one to each of our colleagues'.

The folder also contains letters of thanks from Chamberlain and others expressing their appreciation of the charts, and correspondence re arrangements for Cherwell to show an album of charts to the King.

See F.258-F.394 for examples of charts prepared by the Statistical Section on a wide variety of topics.

F.66 Correspondence exchanged between R.F. Harrod and E.E. (later Lord) Bridges, August 1940-March 1941, mainly re the establishment of relations between the Statistical Section and the various government departments from whom statistics had to be acquired.

In his personal memoir of Cherwell (The Prof, pp.189-90), Harrod observes that relations with other departments were not always good to begin with; there were some acrimonious disputes at

Continued

Second World War
Statistical Section, general papers

- F.66 (cont'd.) Cabinet meetings when Churchill put forward figures supplied to him by Cherwell, and these were challenged by the Ministers concerned. Harrod records an interview with Bridges who deplored the amount of time wasted by these disputes, and his own resolution to try to improve the situation. The correspondence documents the establishment of arrangements for the appointment of liaison officers in the various departments, which contributed greatly to a general improvement in relations.
- F.67, F.68 Correspondence re Sentry Hill, Marlow.
At the end of October 1940 the Statistical Section took over a house in Marlow called Sentry Hill, for use both as an office and billeting quarters. The house was retained until April 1942.
- F.67 Correspondence re domestic arrangements, staff, etc.
Included here is a letter from the Earl of Midleton, 19 October 1940, offering accommodation for the Statistical Section at Peper Harow, Godalming.
- F.68 Correspondence re organisation of transport to and from London. Drivers were supplied by the Women's Voluntary Services, and folder includes letters from the Chairman, Lady Reading.
- F.69-F.72 Miscellaneous administrative correspondence, 1939-45.
- F.69 1939-40
- F.70 March-June 1941
- F.71 July-December 1941
- F.72 1942-45, n.d.
Includes an undated summary, possibly by T. Wilson, of selected minutes by Cherwell, Harrod and MacDougall, May 1939-June 1942.
- F.73-F.75 Register of letters received by Cherwell's office, 1943-45.
3 volumes as follows:
- F.73 30 June 1943-29 October 1943
- F.74 29 October 1943-28 July 1944
- F.75 2 August 1944-30 July 1945

Second World War
Statistical Section, general papers

F.76-F.78	Cherwell's engagement diaries, 1943-45.
F.76	1943
F.77	1944
F.78	1945

Second World War
Statistical Section, general papers

F.79-F.85 Personal correspondence with and re members of the Statistical
Section, 1939-56

In alphabetical order of correspondent.

See the Index of Correspondents for references to further correspondence elsewhere in the collection.

- | | | |
|---------------|---|------------------|
| F.79 | Butt, D. M. B. | 1942 |
| | Butt left the Statistical Section to join the Navy at the beginning of 1942, but returned again at the end of the year. The folder contains personal letters from Butt to MacDougall, written while he was away from the Section. | |
| F.80 | Clarke, E. J. S. | 1945-47 |
| | Includes brief correspondence <u>re</u> atomic energy. | |
| F.81/1-F.81/3 | Harrod, R. F. | 1939-43 |
| F.81/1 | October-December 1939 | |
| | Includes letters recommending economists for the Statistical Section and <u>negotiating</u> his own appointment. | |
| F.81/2 | 1940 | |
| | Includes 3 pp. ms. draft headed 'Richmond Terrace and S Branch'. | |
| F.81/3 | 1941-43 | |
| | Includes copy of a minute from Harrod to Churchill <u>re</u> livestock policy, 20 March 1941. | |
| F.82 | MacDougall, G. D. A. | 1945, 1947, 1953 |
| | The 1953 correspondence consists of 2 letters from Cherwell to Churchill urging that MacDougall should receive a knighthood. He was, in fact, knighted that year. | |
| F.83 | Martin, C. J. | 1945-48, 1955-56 |
| F.84 | Parkinson, J. R. | 1945 |
| F.85 | Wilson, T. | 1945-46, 1948-51 |
| | Includes some correspondence <u>re</u> sorting and listing of Cherwell's papers. | |

Second World War
Statistical Section, general papers

F.86, F.87 Miscellaneous historical material

F.86 4 pp. typescript, 14 July 1941, on 'English Statistical Experience Since the Outbreak of War', outlining the origins of S Branch and the Central Statistical Office. There is no indication of author.

F.87 1 p. memorandum from 'C.G.' to Churchill, 23 November 1947, beginning 'You wished to be reminded of this:- Make a note to insert about my private statistical department at the Admiralty. There are several minutes on the subject. Lord Cherwell could supply details'.

See F.85 for correspondence with T. Wilson re sorting of Cherwell's papers for Churchill and other historians.

Second World War
Statistical Section, general papers

F.88-F.252 MINUTES EXCHANGED BETWEEN CHERWELL AND CHURCHILL,
1939-45

The minutes are presented in 4 separate sequences:

F.88 -F.216 Minutes from Cherwell to Churchill, 1939-45

These were originally kept in a numbered sequence in very bulky folders, accompanied by a list of contents, and in some cases a subject index. Each folder has been split up into several more manageable units; the indexes and lists of contents have been removed and put together in a single sequence at the beginning of the section (F.88-F.94).

F.217-F.228 Minutes from Cherwell to Churchill, 1939-42

These are typescript copies of the original minutes in F.95-F.168 only, which were made for the benefit of Churchill and other historians (see General Introduction).

F.229-F.240 Another set of minutes from Cherwell to Churchill, 1939-45

The majority of these were originally contained in a single bulky folder, unsorted. They are now presented in chronological order, but have been kept as a separate sequence in order to avoid disturbing the indexes, etc. to the main sequence. Some, but not all, of them are duplicated in the main set; a few may be drafts that were not eventually sent to Churchill.

F.241-F.252 Minutes from Churchill to Cherwell, 1939-45.

Second World War
Statistical Section, general papers

The quantity of material involved has prohibited any attempt at cross-referencing between these minutes and related drafts, etc. in Sections G and H; nevertheless, all the wartime papers are closely interrelated, and material in this Section may sometimes amplify or complement (or even duplicate) material elsewhere in the collection.

For information on the content of the minutes, see Introduction to Section F.

Second World War
Statistical Section, general papers

F.88-F.216	<u>Minutes from Cherwell to Churchill, 1939-45</u>
F.88	List of contents, September-December 1939
F.89	List of contents, January-December 1940
F.90	List of contents, January-December 1941
F.91	List of contents, January-December 1942 Subject index, October-December 1942
F.92	List of contents, January-December 1943 Subject index, January-December 1943
F.93	List of contents, January-December 1944 Subject index, January-December 1944
F.94	List of contents, January-July 1945 Subject index, January-March 1945

Second World War
Statistical Section, general papers

1939

F.95	September-October
F.96	November
F.97	December

1940

F.98	11-30	January
F.99	6-21	February
F.100	22-29	February
F.101	1-11	March
F.102	13-27	March
F.103	1-15	April
F.104	16-29	April
F.105	1-8	May
F.106	19-29	May
F.107	3-17	June
F.108	19-30	June
F.109	1-3	July
F.110	4-11	July
F.111	13-30	July
F.112	1-8	August
F.113	10-15	August
F.114	16-28	August
F.115	2-10	September
F.116	16-22	September
F.117	24-27	September

Continued

Second World War
Statistical Section, general papers

1940 (cont'd.)

F.118	1-9	October
F.119	10-17	October
F.120	18-31	October
F.121	1-15	November
F.122	20-28	November
F.123	2-11	December
F.124	17-30	December

1941

F.125	1-6	January
F.126	8-18	January
F.127	20-31	January
F.128	3-20	February
F.129	21-28	February
F.130	1-12	March
F.131	14-31	March
F.132	1-18	April
F.133	21-30	April
F.134	1-15	May
F.135	20-29	May
F.136	3-19	June
F.137	23-30	June
F.138	1-10	July
F.139	12-22	July
F.140	23-31	July

Continued

Second World War
Statistical Section, general papers

1941 (cont'd.)

F.141	7-17	August
F.142	20-29	August
F.143	1-4	September
F.144	9-16	September
F.145	17-28	September
F.146	7-17	October
F.147	22-31	October
F.148	1-18	November
F.149	19-30	November
F.150	1-10	December
F.151	18-23	December

1942

F.152	6-29	January
F.153	3-27	February
F.154	4-18	March
F.155	19-31	March
F.156	1 April-30 June. The original folder of minutes covering this period was missing from the collection, and a folder of copies has been inserted here by the present compiler to avoid breaking the sequence. See F.217-F.228 for similar folders containing copies of minutes for September-December 1939, May-September 1940, January-December 1941 and the remainder of 1942.	
F.157	1-8	July
F.158	9-17	July
F.159	20-31	July

Continued

Second World War
Statistical Section, general papers

1942 (cont'd.)

F.160	12-28	August
F.161	1-17	September
F.162	19-30	September
F.163	1-25	October
F.164	27-31	October
F.165	3-18	November
F.166	20-28	November
F.167	1-16	December
F.168	17-30	December

1943

F.169	2-9	January
F.170	11-29	January
F.171	5-15	February
F.172	16-26	February
F.173	4-18	March
F.174	19-31	March
F.175	2-9	April
F.176	13-21	April
F.177	22-30	April
F.178	3-24	May
F.179	4-18	June
F.180	23-30	June
F.181	2-20	July
F.182	21-30	July

Continued

Second World War
Statistical Section, general papers

1943 (cont'd.)

F.183	2-27	August
F.184	8-30	September
F.185	4-14	October
F.186	15-30	October
F.187	1-6	November
F.188	8-30	November
F.189	1-9	December

1944

F.190	6-31	January
F.191	1-28	February
F.192	1-9	March
F.193	15-31	March
F.194	1-12	April
F.195	13-25	April
F.196	3-10	May
F.197	11-31	May
F.198	1-30	June
F.199	3-13	July
F.200	14-31	July
F.201	1-31	August
F.202	4-26	September

There are no minutes for October as Cherwell was in America
(see G.231-G.235)

F.203	4-30	November
-------	------	----------

Continued

Second World War
Statistical Section, general papers

1944 (cont'd.)

F.204	4-12	December
F.205	13-29	December

1945

F.206	2-19	January
F.207	22-31	January
F.208	2-27	February
F.209	1-15	March
F.210	16-29	March
F.211	6-30	April
F.212	3-18	May
F.213	24-31	May
F.214	4-8	June
F.215	11-28	June
F.216	4-22	July

Second World War
Statistical Section, general papers

F.217-F.228 Minutes from Cherwell to Churchill, 1939-42

These are not carbons, but typescript copies of the originals, made in 1948 (see correspondence with T. Wilson, F.85). Each folder is prefaced by a list of contents corresponding to those at F.88-F.94.

The set is not complete as it lacks minutes for January-April and October-December 1940. Copies of minutes for April to June 1942 have been moved by the present compiler to F.156 in place of the originals which have not survived.

F.217	September-December 1939
F.218	May-September 1940
F.219	May-September 1940 (duplicates of F.218)
F.220	January-March 1941
F.221	January-March 1941 (duplicates of F.220)
F.222	April-June 1941
F.223	April-June 1941 (duplicates of F.222)
F.224	July-September 1941
F.225	October-December 1941
F.226	January-March 1942
F.227	July-September 1942
F.228	October-December 1942

Second World War
Statistical Section, general papers

- F.229-F.240 Another set of minutes from Cherwell to Churchill, 1939-45
- Most of these minutes were originally in a bulky, unsorted folder with no index or list of contents. Some, but not all, of them are duplicated in the main set (F.95-F.216); a few may be drafts that were not eventually sent to Churchill. As with the main set, they cover a wide variety of subjects, and it has not been possible to provide cross-references to other parts of the collection.
- F.229 October 1939-June 1940
- F.230 July-December 1940
- F.231 January-December 1941
- F.232 January-November 1942
- F.233 January-June 1943
- F.234 July-December 1943
- F.235 January-June 1944
- F.236 July-December 1944
- F.237 January-April 1945
- F.238 May-July 1945
- F.239 Miscellaneous undated minutes to Churchill
- F.240 Copies of some of the above

Second World War
Statistical Section, general papers

F.241-F.252	<u>Minutes from Churchill to Cherwell, 1939-45</u>
F.241	1939-1942
F.242	1943
F.243	1944
F.244	1945
F.245-F.252	Copies of minutes from Churchill to various ministers, sent to Cherwell for information. Drafts for many of these were originally sent by Cherwell to Churchill.
F.245	1942
F.246	January-June 1943
F.247	September-November 1943
F.248	January-April 1944
F.249	May-August 1944
F.250	September-December 1944
F.251	January-April 1945
F.252	May-July 1945

Second World War
Statistical Section, general papers

F.253-F.257 CABINET PAPERS, 1940-45

Drafts, proofs and printed copies of Cabinet Papers, mostly by Cherwell.

Some of these are annotated, or are accompanied by brief correspondence.

F.253	1940
F.254	1941-42
F.255	1943
F.256	1944
F.257	1945

Second World War
Statistical Section, general papers

F.258-F.394 CHARTS PREPARED BY THE STATISTICAL SECTION

The material is presented as follows:

F.258-F.276	Air warfare
F.277-F.296	Military and munitions
F.297-F.367	Shipping and imports
F.368-F.381	Food and raw materials
F.382-F.394	Miscellaneous

The majority of these charts were prepared for Churchill, or for presentation to various ministers and government departments at Churchill's request. A number were prepared for President Roosevelt, and correspondence in F.65 refers to arrangements for Cherwell to show an album of charts to the King. They were generally either bound in cloth covers (see e.g. F.297-F.325) or presented in loose leaf binders. Some of the latter have survived intact (e.g. F.365, F.386) but many of their contents were dispersed or superseded and remained in loose piles in no particular order.

The loose charts have been sorted into subject groups for ease of reference and are included with the original albums under the headings listed above. Some of the material is no longer identifiable, particularly in the case of unfinished drafts or copies, such as F.292-F.296.

Many of the charts overlap in subject matter with other papers in Sections G and H but it has not been possible to provide specific cross-references. Charts which were originally included with drafts and correspondence in these Sections have been left in position.

Second World War
Statistical Section, general papers

- F.258-F.276 Air warfare
- F.258 Number of aircraft and crew available for operations.
 Sets of charts issued monthly (each month in a separate
 folder), October 1940-February 1942.
- F.259 Royal Air Force strength.
- F.260 Royal Air Force operations.
 'Night Bomber Sorties', 1940-42
 'Enemy Aircraft Destroyed at Night', 1940-41
 'Effort of Bomber Command', 1940-44
 'M.A.F. Night Fighter Successes', 1941-43
- F.261 Aircraft production.
- F.262 U.S.A.A.F. strength.
- F.263 Ring-back binder labelled 'Air', containing miscellaneous
 charts re R.A.F. strength and operations.
- F.264 Ring-back binder labelled 'Pilots and Operations', but containing
 miscellaneous unfinished and incomplete charts.
- F.265 Tables of statistics re R.A.F. and U.S.A.A.F.
- F.266 Tonnage of bombs dropped.
- F.267 Miscellaneous re bomb damage.
- F.268 'Diagrammatic Survey of Night Bombing and Weather over Great
 Britain during the period 1/9/40-18/7/41.'
- F.269-F.271 Weekly summaries of unexploded bomb returns.
- F.269 November 1940-December 1941
- F.270 January-December 1942
- F.271 January-June 1943
- F.272 Periodic summaries of work reports from bomb disposal units,
 October 1940-June 1944.
- F.273 Notes and drafts for charts illustrating statistics re unexploded
 bombs on a regional basis.

Second World War
Statistical Section, general papers

- F.274 Folder labelled 'Loss Ratios' containing charts re number of sorties per aircraft (British and American) and some unidentified.
- F.275 'Charts prepared for Field Marshal Smuts, November 1942.'
- F.276 Folder containing charts re various aspects of air warfare, including several unidentified.

Second World War
Statistical Section, general papers

- F.277-F.296 Military and munitions
- F.277 Charts illustrating 'State of Readiness' of British forces in various parts of the world, July-September 1940 and December 1941-September 1942.
- F.278 'Analyses of British Troops by Formations and Arms, November 28th 1942.'
- Set of charts with brief accompanying correspondence. Material on manpower which was also found in the folder has been transferred to F.382.
- F.279 British Army strength and organisation.
- F.280 'Battle Casualties in Normandy and Italy' (in black binder).
- F.281 'Australian Charts 1944' (re strength of U.S. and Allied forces and incidence of malaria).
- F.282 'Field, Medium and Mortar Ammunition.'
- F.283 Stocks, requirements, production, etc. of guns and ammunition.
- F.284 Tanks. Production and stock position.
- F.285 Landing craft, 1944 (in black binder).
- F.286 Munitions production. Comparison with First World War. (Charts are designed to be used up to December 1943, but they are only plotted to August 1940.)
- F.287 'Military Co-ordination Committee. Meeting, 6 Richmond Terrace, Friday, 22nd December' [1939]. Folder contains charts and statistics prepared for the meeting with ms. and typescript notes and drafts and brief correspondence.
- F.288 'Munitions Production of the United Nations' (in black binder). Charts prepared to October 1942.
- F.289 Miscellaneous re munitions production and stocks.
- F.290 Manpower - strength of the armed forces.
- F.291 Demobilisation. Comparison with First World War.
- F.292-F.296 5 bulky folders containing charts re various military topics. Many of these are unfinished or incomplete.

F.297-F.367	<u>Shipping and imports</u>
F.297-F.325	Various shipping charts, all bound in cloth covers, presumably for presentation purposes.
F.297-F.298	British merchant shipping sunk by cause, daily.
F.297	3 September 1939-31 August 1940
F.298	1 September 1940-30 July 1941
F.299-F.300	Total merchant shipping sunk by U-boat, mine, surface and aircraft, daily.
F.299	3 September 1939-5 June 1940
F.300	3 September 1939-31 August 1940
F.301-F.304	Total merchant shipping sunk by cause, daily.
F.301	1 September 1940-30 August 1941
F.302	30 August 1942-28 August 1943
F.303	29 August 1943-26 August 1944
F.304	27 August 1944-2 June 1945
F.305	British, allied, neutral merchant shipping sunk by all types of enemy action, daily.
	3 September 1939-31 August 1940
F.306	British, allied, neutral merchant shipping sunk by U-boat, showing U-boats sunk, daily.
	3 September 1939-31 August 1940
F.307	British, allied, neutral merchant shipping sunk by U-boat, 21 day moving average.
	3 September 1939-8 February 1940
F.308	British, allied, neutral merchant shipping sunk by mine, daily
	3 September 1939-31 August 1940

Second World War
Statistical Section, general papers

F.309 Total sinkings by German submarines, showing place and day.

3 September 1939-16 March 1940.

F.310-F.319 British merchant shipping. 500 gross tons and over. Gains
and losses, weekly.

F.310 I (week-ending) 10 September 1939- 31 March 1940

F.311 II " 7 April 1940-27 October 1940

F.312 III " 3 November 1940-25 May 1941

F.313 IV " 1 June 1941-21 December 1941

F.314 V " 28 December 1941-19 July 1942

F.315 VI " 26 July 1942-14 February 1943

F.316 VII " 21 February 1943-12 September 1943

F.317 VIII " 19 September 1943-9 April 1944

F.318 IX " 16 April 1944-5 November 1944

F.319 X " 12 November 1944-3 June 1945

F.320 Admiralty oil fuel, four-weekly.

September 1939-March 1940

F.321 Cargoes seized and sunk. Cumulative totals weekly.

September 1939-August 1940

F.322, F.323 German and Italian losses of merchant vessels, daily.

F.322 3 September 1939-31 August 1940

F.323 1 September 1940-15 March 1941

F.324 Gains and losses of British merchant ships, cumulative, weekly.

(week-ending) 10 September 1939-23 March 1941.

F.325 German ships leaving Narvik, daily.

1 December 1939-4 April 1940.

Second World War
Statistical Section, general papers

- F.326-F.331 Maps showing positions of merchant ships sunk by enemy action.
- F.326 October-December 1940
- F.327 April-December 1941
- F.328 January-December 1942
- F.329 January-December 1943
- F.330 January-November 1944
- F.331 January-May 1945
- F.332 Maps showing positions of 'non-enemy ships sunk by enemy action'.
- August 1940-March 1941
- F.333 Maps showing position of sinkings in and out of convoy.
- September-December 1940
- Also included here is a map showing 'the furthest points from Europe in the North and Central Atlantic at which merchant ships have been sunk ... up to March 1941'.
- F.334-F.339 Charts re shipping losses.
- F.334 'Times of attack on merchant ships sunk by U-boat.'
- September 1939-December 1942.
- F.335 'Times of attack on merchant ships sunk by aircraft.'
- September 1939-December 1942.
- F.336 'Merchant tonnage sinkings by areas. 3 week moving average.'
- March 1941-June 1945.
- F.337 Attacks on merchant shipping. (Comparison of) convoys and independent ships.
- 1940-43.
- F.338 Enemy merchant shipping losses.
- Various charts, 1939-42.

Second World War
Statistical Section, general papers

- F.339 Miscellaneous charts re sinking of merchant shipping, various dates.
- F.340 Charts illustrating various aspects of anti-U-boat warfare.
- F.341 Black binder containing charts re British and German navies.
- F.342 Miscellaneous naval charts. Mainly statistics re ship building.
- F.343-F.351 Charts re imports and exports, bound in cloth covers.
- F.343-
F.346 'Imports. Tons per month for each of certain commodities, U.K.'
1937-40 (4 sets of charts)
- F.347 'Imports. Tons per month, cumulative, for each of certain food-stuffs, U.K.'
1937-40
- F.348 'Imports into U.K. 1937.'
- F.349 'Value of exports by commodities monthly.'
1937-40
- F.350,
F.351 'Entrances and clearances. British and foreign.'
1939-40. (2 sets of charts)
- F.352 Miscellaneous charts re imports and exports.
- F.353 'Building and losses of ocean going merchant vessels outside enemy control. 1600 gross tons and over.'
1941-45
- F.354 'Gains and losses of allied vessels since America entered the war.'
1943
- F.355 Merchant tonnage undergoing or awaiting repair.
- F.356 Merchant tonnage under construction.
- F.357 Miscellaneous charts re ship building and losses.

Second World War
Statistical Section, general papers

- | | |
|-------|---|
| F.358 | Employment and distribution of shipping. |
| F.359 | Entrances and clearances of British and foreign shipping. |
| F.360 | Time spent in port. |
| F.361 | Average tonnage unloaded from a ship in a day. |
| F.362 | Time spent on round voyage. |
| F.363 | Convoys in and out of U.K. |
| F.364 | 'Statistics of Trade and Shipping. 22 Tables Relating to the facts illustrated in the "S Branch" Chart Album'. 2 copies. |
| F.365 | Black binder containing various charts <u>re</u> shipping, imports, exports, etc. There is a list of contents inside the front cover. |
| F.366 | Black binder containing slightly different versions (generally less complete) of the charts in F.365. |
| F.367 | Miscellaneous shipping charts. |

Second World War
Statistical Section, general papers

F.368-F.381	<u>Food and raw materials</u>
F.368	Aluminium.
F.369	Coal.
F.370-F.373	Food.
F.370	Stocks of various foodstuffs, 1939-43.
F.371	Stocks, imports, production and consumption of various foodstuffs, September 1939-March 1943.
F.372	'Civilian consumption of certain foods.' 1940-41.
F.373	Miscellaneous charts <u>re</u> food.
F.374	Iron and Steel.
F.375	Machine tools.
F.376	Oil (bound set of charts).
F.377	Oil.
F.378	Timber.
F.379	Miscellaneous raw materials.
F.380	'Building Programme of Government Departments. Estimated Requirements of [various raw materials]', 1940. Bundle containing several charts.
F.381	Black binder containing charts <u>re</u> stocks of food and raw materials, 1939-45.

Second World War
Statistical Section, general papers

F.382-F.394 Miscellaneous

- F.382 Miscellaneous charts re employment and distribution of manpower.
- F.383 'Supplementary Labour Album.' Set of charts with similar subject matter to F.382.
- F.384 Railway freight traffic.
- F.385 Infectious diseases (England and Wales).
- F.386 Small black binder containing statistics re shipping and raw materials.
- F.387 Bundle of charts re shipping, imports and exports, stocks of raw materials, etc.
- F.388 Folder labelled 'Old Charts (Miscellaneous)' containing several duplicate (incomplete) sets of charts.
- F.389 Bundle of charts, similar to those at F.388.
- F.390 Black binder containing charts re supplies to Russia, 1941-42.
- F.391 2 bundles of charts re various topics.
- F.392 Folder labelled 'American Embassy Charts - Tables of Statistics'.
- F.393 Lists of indices for various albums of charts (now dispersed).
- F.394 Miscellaneous unidentified material.

Second World War
Statistical Section, general papers

- F.395-F.419 MISCELLANEOUS MINUTES AND CORRESPONDENCE, 1939-51
- F.395-F.397 Minutes from Harrod to Cherwell, 1940-42.
- F.395 March-June 1940.
- F.396 July-October 1940.
Includes draft minutes to Churchill, 22 July, 3 August, 27 August.
- F.397 1941-42.
Includes 3 pp. typescript on food policy, 12 March 1941, with Harrod's annotation 'Statement of F.A.L.'s views' and brief letter from N. Brook, 3 April 1941.
- F.398-F.400 Minutes from MacDougall to Cherwell and others, 1940-45.
A miscellaneous collection, covering a wide variety of topics.
- F.398 1940
- F.399 1941-43
- F.400 1944-45 and n.d.
- F.401-F.407 Miscellaneous minutes to Cherwell from other members of the Statistical Section. Mainly summaries of Cabinet Papers, reports, etc. on a wide variety of topics.
- F.401 April 1940-June 1943
- F.402 July-December 1943
- F.403 January-July 1944
- F.404 August-December 1944
- F.405 January-March 1945
- F.406 April-July 1945
- F.407 n.d.

Second World War
Statistical Section, general papers

F.408-F.410	Miscellaneous correspondence, 1939-45. Mainly Cherwell's carbons.
F.408	1939-43
F.409	1944
F.410	1945 and n.d.
F.411-F.414	Requests for help or advice, applications to work for Cherwell, correspondence <u>re</u> recommendations for posts, requests for an interview, etc., 1941-45. Not indexed.
F.411	A - F
F.412	H - L
F.413	M - R
F.414	S - W
F.415	Invitations to Cherwell to visit laboratories, service establishments, etc., 1940-51.
F.416	Paymaster General's Office. Miscellaneous administrative correspondence, 1944-45. Not indexed.
F.417	Miscellaneous undated ms. notes by Cherwell and others.
F.418	Miscellaneous reports, data, etc. sent to Cherwell for information.
F.419	Miscellaneous ephemera and printed matter.

<u>SECTION G</u>	<u>SECOND WORLD WAR G.1 - G.550</u>	
	<u>STATISTICAL SECTION, MILITARY AND SCIENTIFIC TOPICS</u>	
		<u>Page</u>
	INTRODUCTION	187
G.1 -G.100	BRITISH AND GERMAN AIR FORCE STRENGTH	188
	Includes some material <u>re</u> other aspects of air warfare	
	With an introductory note	
G.101-G.141	ANTI-U-BOAT WARFARE	200
G.142-G.151	OTHER NAVAL PAPERS	205
G.152-G.443	WEAPONS, DEFENSIVE DEVICES, MILITARY ORGANISATION AND STRATEGY	206
	With a list of contents and introductory note	
G.444-G.499	INVENTIONS AND IDEAS	250
	With an introductory note	
G.500-G.525	ARMAMENT REQUIREMENTS AND PRODUCTION; STRENGTH AND ORGANISATION OF BRITISH AND GERMAN GROUND FORCES	258
G.526-G.533	ORGANISATION OF SCIENTIFIC AND TECHNICAL RESEARCH	261
G.534-G.550	OTHER MILITARY AND SCIENTIFIC TOPICS	263

Second World War
Statistical Section, military and scientific topics

INTRODUCTION

The papers in Sections G and H document the daily activities of the Prime Minister's Statistical Section during the Second World War. The material is presented in two Sections for ease of reference but the distinction between Sections G (military and scientific papers) and H (economic papers) is a rather artificial one, and does not reflect the original ordering of the papers which could no longer be reconstructed. Similarly, the presentation of the material in Sections G and H is the work of the present compilers although in places it draws on the previous arrangement of the papers made in 1965 (see General Introduction).

The origins and function of the Statistical Section have already been outlined in the Introduction to Section F. The material in Section G provides some of the background to Cherwell's minutes to Churchill in the form of statistics, correspondence, reports and summaries of cabinet and other papers. It is presented under the general headings listed at the head of the Section, but there is inevitably some overlap between various groups of papers, both within this Section and in other parts of the collection, especially F.88 - F.252.

For material relating to wartime projects at the Clarendon Laboratory see B.34 - B.41. Section D also contains some correspondence re wartime scientific work.

Second World War
Statistical Section, military and scientific topics

G.1-G.100 BRITISH AND GERMAN AIR FORCE STRENGTH

The following papers document the dispute between Cherwell, the Air Ministry and the Ministry of Economic Warfare over estimates of the comparative strength of the British and German Air Forces. The course of the disagreement, which arose in the summer of 1940, has been described in the published literature. In December 1940 Churchill appointed Sir John Singleton to make an independent enquiry into the available estimates, but although Singleton presented a report to Churchill in January 1941, many of the differences still remained unresolved. A second report was prepared by Singleton in August 1941, and this essentially marks the end of the dispute, although correspondence and papers on the subject continue until 1945.

A few papers on other aspects of air warfare are included at the end of the Section as follows:

G.78, G.79	American Air Force
G.80-G.84	Night air defence
F.85-G.88	Airfields
G.89-G.99	Miscellaneous correspondence and reports
G.100	Photographs

Second World War
Statistical Section, military and scientific topics

- G.1 Correspondence and papers, October 1939-January 1940.
Mainly minutes from Cherwell to Churchill re British aircraft production and wastage.
- G.2 Correspondence and papers, March-April 1940.
Includes correspondence re R.A.F. losses of flying crew and machines in 1918.
- G.3 Unsigned typescript draft, sent to Cherwell from the Air Ministry on 8 April 1940, headed 'Expansion of the Royal Air Force. April, 1939-March, 1940'.
- G.4 Correspondence and papers, May 1940.
Includes statistics re R.A.F. strength and casualties.
- G.5 Two typescript drafts, 28 May 1940, of paper submitted to Churchill by Sir Archibald Sinclair (later Viscount Thurso) on 'Comparative strengths, 1st line and reserves, of the British, French and German Air Forces on the 24th May 1940'.
Some brief correspondence and Cherwell's draft comments on the paper are also included here.
- G.6 Correspondence and papers, June 1940.
Includes notes and drafts by D. G. Champernowne re training of pilots, statistics re aircraft production, battle losses, etc. for British and German Air Forces.
- G.7 Correspondence and papers, July 1940.
Includes minutes and statistics re shortage and training of pilots, estimates of British casualties and German Air Force strength, correspondence re use of magnesium in the construction of training aircraft.
- G.8 Correspondence and papers, 1-9 August 1940.
Includes statistics re aircraft production and casualties, pilot strength.
- G.9 Correspondence and papers, 13-19 August 1940.
Includes estimates of strength of German and British Air Forces, September 1939-March 1941, minutes and statistics re aircraft production and wastage, pilot casualties.

Second World War
Statistical Section, military and scientific topics

- G.10 Correspondence and papers, 20-31 August 1940.
Includes 5 pp. draft by Cherwell re training of R.A.F. pilots.
- G.11 Undated typescript draft by D. G. Champernowne headed 'Estimate of the Present Size of the G.A.F.' Attempts to forecast the strength of the German Air Force up to 1 September 1940.
- G.12 Correspondence and papers, 2-23 September 1940.
Mainly re aircraft production and casualties, R.A.F. expansion programme.
- G.13 Correspondence and papers, 24-30 September 1940.
Mainly re R.A.F. expansion and wastage (includes some comparisons with German Air Force).
- G.14 Correspondence and papers, 2-23 October 1940.
Mainly re estimates of wastage of R.A.F. pilots and aircraft.
- G.15 'Minutes of a Meeting summoned by the Secretary of State on 28.10.40. to reconsider the programme of Royal Air Force expansion taken by D. of Plans [Air Commodore (later Sir John) Slessor] to the United States.' A copy of Slessor's brief is appended to the Minutes as Annex A.

An undated typescript draft of the brief, headed 'Output and requirements of operational type aircraft and pilots during the period October 1940 to June 1941' is also included in the folder.
- G.16 Drafts by Cherwell of alternative brief for Slessor. Includes 2 pp. background statistics.
- G.17 Correspondence with Air Marshal Sir Christopher Courtney re Slessor's brief.
- G.18 Correspondence and papers, 1-4 November 1940.
- G.19 'Minutes of a Meeting held at the Air Ministry on 5/11/40 to consider the German rate of production and wastage of operational aircraft.'

Folder includes 2 drafts of a paper appended to the minutes as Annex A entitled 'Suggested Revision of German Fighter Production Estimates'.

Second World War
Statistical Section, military and scientific topics

- G.20 Various drafts re comparative strengths of German and British Air Forces prepared by Cherwell after the meeting on 5 November 1940. One of these is erroneously dated 8 November 1941.
- G.21 Correspondence arising from the meeting, 13-20 November 1940.
- G.22 Correspondence and papers not directly arising from the meeting, 7-29 November 1940.

Includes statistics re German pilots, sorties of British and German aircraft, R.A.F. casualties, etc.
- G.23 Two duplicated typescript papers by E. Betts as follows:

'Estimation of the effective size of the German Air Force.'
21 November 1940.

'Assessment of relative effective size of German long-range bomber force operating against the United Kingdom.'
26 November 1940.

2 pp. comments on these papers, 1 December 1940, are also included in the folder.
- G.24 Copy of minute from Churchill to Sinclair and Sir Charles (later Viscount) Portal, 2 December 1940, asking for an estimate of the potential strength of the German Air Force during the first half of 1941.

Sinclair's reply is included in the folder.
- G.25 'Notes on the informal conversation on the comparative strengths of the German and British Air Forces held at Chequers on December 7, 1940.'
- G.26 Correspondence and drafts arising from the discussion on 7 December.
Includes:
Copy of minute from Churchill to Sinclair and Portal, 9 December 1940, beginning 'I spent four hours on Saturday with the Officers of the Air Ministry Intelligence Branch and those of M.E.W. [Ministry of Economic Warfare]. I have not been able to reach a conclusion as to which are right'. He goes on to suggest that an enquiry should be set up, under the chairmanship of Sir John Singleton, to sift the evidence and come to some agreement about the strength of the German Air Force.

5 pp. typescript summarising the results of the discussion, copies of which were sent with the above minute.

An earlier draft, with corrections and additions in Cherwell's hand.

Letters from the Air Ministry and the Ministry of Economic Warfare welcoming Churchill's proposal.

Second World War
Statistical Section, military and scientific topics

- G.27 Correspondence and papers not directly arising from the discussion on 7 December, 2-14 December 1940.
Includes correspondence re numbers of trainer aircraft required by the R.A.F. (see also G.28).
- G.28 Minutes and correspondence, 16-31 December 1940.
Mainly correspondence re arrangements for setting up the enquiry into the size of the German Air Force under Singleton's chairmanship.
- G.29 Typescript drafts re the German Air Force and related problems, as follows:
'German Aircraft Production. Production and Capacity since July 1939', by O.W. Roskill, 14 December 1940.
'Effort', by D.M.B. Butt, 17 December 1940 (re comparing number of sorties by British and German aircraft).
Includes 2 pp. ms. notes.
'Organisation and Distribution of G.A.F. in Occupied Territories at 19.12.40.' No author, 19 December 1940.
'Germany. Aircraft Production. Production and Capacity since July 1939.' Second draft, by O.W. Roskill, 20 December 1940.
'Supply and Communications to German Air Force in Occupied Territory.' No author, 29 December 1940.
'Operational Aircraft Strength of German Air Force at 1st Sept, 1939.' No author, 30 December 1940.
- G.30 Miscellaneous statistics assembled for the Singleton enquiry, December 1940.
- G.31 Tables illustrating numbers of call-signs intercepted from German aircraft, September-December 1940.
- G.32 Ms. graphs and tables, mainly analyses of call-sign evidence, September-December 1940 (see G.31), n.d., but presumably prepared for the Singleton enquiry.
- G.33 Miscellaneous notes, statistics, calculations, drafts (mostly incomplete), etc. re British and German Air Force strengths, all undated.
Includes 5 pp. typescript headed 'Aircraft Production', no author, with ms. annotation 'Draft discussed at Air Ministry with Air Cdre. Boyle', n.d.

Second World War
Statistical Section, military and scientific topics

- G.34 Copy of Singleton's interim report, submitted to Churchill on 3 January 1941.
- G.35 Correspondence and drafts, 3-19 January 1941, mostly arising from Singleton's report. Includes some undated material.
- G.36 Copy of Singleton's final report, submitted to Churchill on 21 January 1941, with brief accompanying correspondence.
Folder also includes letters re the Singleton report from Churchill and D.M.B. Butt, May 1947, and 3 pp. undated typescript notes on the German Air Force, apparently written for Churchill, with a further page on U-boats.
- G.37 'The fighting value of the German Air Force at June 1st 1941 and January 1st 1942.' Duplicated typescript, 22 January 1941, sent to Cherwell from the Air Ministry.
- G.38 Correspondence and drafts, 24 January-4 February 1941.
- G.39 Draft report of meeting, 6 February 1941, to discuss estimates of average serviceability of British and German fighters.
Folder includes 2 pp. typescript note re number of serviceable aircraft in the R.A.F.
- G.40 'Assessment of the Strength of the German Air Force.' 5 pp. typescript with ms. annotations in two different hands 'Butt's report', 'Given to Mr Hopkins 8.2.41.'

Folder includes two earlier drafts of this paper, one with corrections in Cherwell's hand.
- G.41 3 drafts of paper headed 'Comparative strength of the British and German Air Forces'. n.d. but see G.42.
- G.42 9 pp. typescript headed 'Comparative strength of the British and German Air Forces', with accompanying letter from Cherwell to Portal, 13 February 1941. For earlier drafts of this paper see G.41.
2 pp. typescript comments on Cherwell's paper, dated 18 February 1941, are also included in the folder.
- G.43 Correspondence and papers, 10-20 February 1941.
- G.44 'Minutes of Meeting on 20.2.41. to discuss the first-line establishment of the German Air Force.'
An earlier draft of the minutes is also included in the folder.

Second World War
Statistical Section, military and scientific topics

- G.45 Correspondence and papers, 21-28 February 1941.
- G.46 Correspondence and papers, March 1941.
- G.47 Set of tables produced by the Ministry of Aircraft Production illustrating the strength of the Metropolitan Air Force, 10 May 1940-14 March 1941.
- G.48 Correspondence and papers, April 1941.
Mainly re R.A.F. establishment and expansion. Includes correspondence re aircraft strength in the Middle East.
- G.49 Ms. and typescript drafts re R.A.F. expansion, n.d., April 1941.
- G.50 Correspondence and papers, May 1941.
- G.51 Miscellaneous drafts, notes, statistics re R.A.F. expansion programme, all undated but mostly c. May-June 1941.
- G.52 Correspondence and papers, June 1941.
Includes material re R.A.F. expansion programme, state of the German Air Force, and aircraft strength in the Middle East.
- G.53 Correspondence and papers, 1-25 July 1941.
Mainly re aircraft production programme.
- G.54 Correspondence and papers, 27-31 July 1941.
Mainly material prepared for Singleton for an updated report on German Air Force strength (see G.55). Not all the material is dated.
- G.55 Singleton's report on the comparative strengths of the British and German Air Forces at 1 June 1941, submitted to Churchill, 1 August 1941.
- G.56 Correspondence and papers, August-September 1941.
Includes two undated drafts re R.A.F. expansion and German Air Force strength.
- G.57 Correspondence and papers, October-December 1941.
Mainly re aircraft production. Includes a set of diagrams illustrating the R.A.F. maintenance and supply organisation in the Middle East, November 1941.

Second World War
Statistical Section, military and scientific topics

- G.58 Correspondence and papers, January-February 1942.
Mainly re flying accidents (in British and German Air Forces) and aircraft production.
- G.59 Correspondence and papers, March-April 1942.
Mainly re aircraft losses (in the British, German and Japanese Air Forces) and aircraft production.
- G.60 Correspondence and papers, May-June 1942.
Mainly re aircraft production. Includes 3 pp. typescript, sent to Cherwell by F.F. Inglis, headed 'Notes on the G.A.F. for Lord Cherwell', 10 May 1942.
- G.61 Correspondence and papers, July-August 1942.
Mainly re aircraft production.
- G.62 Correspondence and papers, August-October 1942.
Mainly re aircraft production. Includes a set of graphs illustrating the course of the Battle of Malta, sent to Cherwell from the Air Ministry, September 1942.
- G.63 Correspondence and papers, November-December 1942.
Mainly re aircraft production policy. Includes some material re German Air Force.
- G.64 Miscellaneous statistics, graphs, etc. re German Air Force strength, R.A.F. expansion, aircraft production, n.d., 1942.
- G.65 Correspondence and papers, January-February 1943.
Mainly re aircraft production. Includes some material re German Air Force.
- G.66 Correspondence and papers, March-April 1943.
- G.67 Correspondence and papers, May-June 1943.
Includes minutes and charts re German Air Force strength and organisation.
- G.68 Correspondence and papers, July-August 1943.
Includes material re German Air Force, engine production and aircraft accidents.

Second World War
Statistical Section, military and scientific topics

- G.69 Correspondence and papers, September-December 1943.
- G.70 Miscellaneous statistics, charts, etc. re expansion of R.A.F., aircraft production and wastage, German Air Force strength, 1943.
- G.71 Correspondence and papers, January-April 1944.
Mainly re aircraft production programme and German Air Force strength.
- G.72 Correspondence and papers, May-August 1944.
Mainly re German Air Force.
- G.73 Correspondence and papers, September-December 1944.
Mainly re aircraft production programme.
- G.74 Miscellaneous charts re aircraft production, 1944.
- G.75 Correspondence and papers, January-March 1945
re aircraft production.
- G.76 Correspondence and papers, April-June 1945.
- G.77 Miscellaneous undated notes, charts and statistics re British and German Air Forces, aircraft production, aircraft types, etc.

Second World War
Statistical Section, military and scientific topics

- G.78 Miscellaneous minutes, charts, statistics, etc. re the American Air Force, 1941-44.
- G.79 Correspondence with General Eaker, Commander of the U.S. Army Eighth Air Force, and with his successor, General Anderson, July 1943-March 1945. (Correspondence with General Anderson consists of Cherwell's carbons only.)
- G.80 Correspondence and papers re various aspects of night air defence, 1940, 1942. (Includes some n.d.)
- G.81-G.84 Night Air Defence Committee.
 Briefs for meetings, correspondence and drafts arising, 1941-44.
- G.81 1941
- G.82 1942
- G.83 1943
- G.84 1944
- G.85-G.88 Correspondence and papers re airfields, 1940-44.
 Mainly re construction methods, building programmes, labour allocations, etc. The folder for 1944 contains correspondence with the Air Ministry and I.C.I. re possible use of chemical soil stabilisation to provide temporary runways.
- G.85 1940, 1942
- G.86 January-March 1943
- G.87 April-October 1943
- G.88 1944

Second World War
Statistical Section, military and scientific topics

G.89-G.95 Correspondence with C. T. Anderson, 1938-44.

Anderson was an officer in the Royal Air Force and a personal friend of Churchill. The correspondence consists mainly of personal letters to Cherwell, usually enclosing a copy of a recent report, minute, set of statistics, etc. for Cherwell's information. The letters are written from a variety of addresses including R.A.F. Waddington (where Anderson was Station Commander, March-October 1940), the Ministry of Aircraft Production (December 1940-June 1941) and the Ministry of Supply (July-September 1941). Most of the letters from Waddington are concerned with difficulties encountered by pilots on operational flights; some of the later correspondence is addressed to Major (later Sir Desmond) Morton, and much of it is concerned with accidents and other forms of wastage in the R.A.F. (Anderson was appointed as Investigator of Accidents in October 1941.)

G.89 March 1938-April 1940

G.90 May-August 1940

G.91 September-December 1940

G.92 January-February 1941

G.93 March-April 1941

G.94 May-September 1941

G.95 October-December 1941, 1942, 1944 (Cherwell's carbon only)

G.96, G.97 Reports on interrogations of prisoners, sent to Cherwell by T.B. Webster, 1940-41. Most of the reports are concerned with German Air Force strength, or German radar, and they are all accompanied by a personal note from Webster.

Some later correspondence (1942-43) is also included.

G.96 October 1940-April 1941

G.97 May 1941-June 1943

G.98 Correspondence with Sir Charles Portal, 1940-45, re
R.A.F. equipment, weapons, policy, etc.

Second World War
Statistical Section, military and scientific topics

- G.99 Miscellaneous correspondence and drafts re various matters
connected with air warfare, 1940-45.
- G.100 Miscellaneous photographs of aeroplanes, aerial photographs
of military installations.

Second World War
Statistical Section, military and scientific topics

- G.101-G.141 CORRESPONDENCE AND PAPERS ON ANTI-U-BOAT WARFARE, 1940-45.
- G.101-G.103 'Report of the U-Boat-Investigation Committee', 10 October 1940.
- G.101 33 pp. typescript report submitted by Admiral Sir Frederic Dreyer and Commander G.C. Phillips, with covering letter from Dreyer to The Secretary, The Admiralty.
- G.102 24 pp. typescript report by Sir William Jowitt (Assessor).
- G.103 Various memoranda, labelled A - H.
- G.104 Correspondence, January 1940-April 1941 re various methods for detecting U-boats.
- G.105 'Report on M.D.B.', by E.J. Williams, 30 November 1940. 10 pp. typescript.
- G.106 'Report on Detection of Submerged Submarines from Aircraft', by E.J. Williams, n.d., 5 pp. typescript.
- G.107 1 p. undated typescript sent by R. (later Sir Robert) Watson-Watt to Cherwell beginning 'The development of A.S.V. for the detection by aircraft of submarines on the surface, has now reached the following stage:'
- G.108 Ms. notes (4 pp. + 2 pp.) sent by Watson-Watt to Cherwell, 5 March 1941, re 'What I think possible and desirable in relation to RDF measures against air and U-boat attacks on shipping in the North West Approaches'.
- Folder also includes a 3 pp. memorandum from Cherwell to Churchill, 12 March 1941, and a suggested draft (by Cherwell) of a minute from Churchill to the First Lord of the Admiralty, 17 March 1941, both based on Watson-Watt's suggestions.
- G.109 Memoranda and reports re possibility of reducing visibility of ships at night by diffused lighting, February-April 1941.
- G.110 Memoranda re various anti-torpedo devices, March-April 1941. An undated set of diagrams and photographs is included in the folder.

Second World War
Statistical Section, military and scientific topics

- G.111 Memoranda and correspondence, 1941.
 Includes 'Summary of Notes by Admiralty Technical
 Departments on GRAPH', sent to Cherwell by C.S. Wright,
 1 November 1941.
- G.112 'Notes on GRAPH Steel', 24 February 1942, with brief
 correspondence on the specification of the steel used for
 U-boat hulls.
- G.113 Correspondence with Sir Philip Joubert, February 1942, re
 use of Radio Altimeters by Coastal Command.
 Correspondence with Sir Stanley Vernon and others re
 possibility of attacking reinforced concrete U-boat pens,
 April-August 1942.
- G.114 Memoranda addressed to Cherwell, September-December 1942,
 re various aspects of anti-U-boat warfare. Folder also
 includes 'Note on Submarine Attack with Clusters of 30-lb
 A.S. Bombs' and note on 'Probability of Success in Submarine
 Attacks' (comparing various weapons), both issued by M.D.1.
- G.115-G.125 Committee on Anti-U-Boat Warfare.
 Carbon copies of papers for meetings of the Committee,
 prepared by E.E. Bridges for submission to Churchill,
 1942-45. The set is not quite complete, lacking papers
 for meetings 1, 26, 27 and 28.
- G.115 November 1942
 2nd, 3rd, 4th meetings.
- G.116 December 1942
 5th, 6th, 7th, 8th, 9th meetings.
- G.117 January 1943
 10th, 11th, 12th, 13th meetings.
- G.118 February 1943
 14th, 15th, 16th, 17th meetings.
- G.119 March 1943
 18th, 19th, 20th, 21st meetings.
 See G.130-G.136 for action on Bay Patrol taken after
 21st meeting.
- G.120 April 1943
 22nd, 23rd, 24th, 25th meetings.

Second World War
Statistical Section, military and scientific topics

- G.121 June, July 1943
 29th, 30th, 31st meetings.
- G.122 August, September 1943
 32nd, 33rd, 34th meetings.
- G.123 October, November 1943
 35th (2 copies), 36th meetings.
- G.124 January, May 1944
 37th, 38th meetings.
- G.125 January 1945
 Meeting on 26 January.
- G.126-G.129 Correspondence and papers re various aspects of anti-U-boat warfare, January-March 1943.
- G.126 January 1943.
- G.127 February 1943.

 Includes note on 'Sinkings of Unescorted Ships by U-boats', sent by Cherwell to Sir Stafford Cripps, 24 February 1943, and some undated material.
- G.128 March 1943 (see also G.129)

 Includes a letter from Cherwell, 16 March 1943, re supply of good quality binoculars to merchant ships.
- G.129 March W.A. Harriman to Cripps, 22 March 1943, enclosing 2 memoranda re U.S. developments in anti-submarine weapons.

Second World War
Statistical Section, military and scientific topics

G.130-G.136 Bay Patrol, March-April 1943.

At the 21st meeting of the Committee on Anti-U-boat Warfare (see G.119), a paper was presented by Admiral Stark suggesting that if aircraft could be made available they should carry out as soon as possible a concentrated patrol and hunting of U-boats in their greatest areas of concentration, namely, an area of 200 miles wide across the entrance to the Biscay bases.

A special meeting was held on 5 April 1943 at which the Ministry of Aircraft Production was asked, in consultation with Departments, to prepare an agreed note as to the rate of monthly sinkings in the Bay which it might be expected to achieve with a given increase in air strength.

The following papers include several drafts of a telegram to be sent by Churchill to President Roosevelt, asking for additional aircraft to increase the possible effectiveness of the Bay Patrol.

- G.130 Memorandum from D.M.B. Butt to Cherwell, 23 March 1943, summarising Admiral Stark's proposals, and enclosing 3 pp. typescript on 'Value of Biscay Patrols'.
- G.131 Various statistics and memoranda arising from G.130 above, 25 March-2 April 1943.
- G.132 6 pp. typescript by Cherwell headed 'The Bay Patrol'. This was originally written as a memorandum for Churchill, 28 March 1943, but was then converted into a draft paper for the Committee on Anti-U-boat Warfare.
- G.133 'Bay Patrol. Notes for M.A.P.'s Meeting', 5 April 1943. 1 p. typescript.
- G.134 2 pp. typescript note headed 'Value of Aircraft on Bay Patrol', sent by Cherwell to Cripps, 6 April 1943.
Folder includes carbon copy of covering letter from Cherwell to Cripps.
- G.135 Drafts by Cherwell and others of telegram to be sent by Churchill to President Roosevelt, April 1943.
- G.136 Copy of memorandum, 13 April 1943, advising Churchill against asking Roosevelt's support for the Bay Patrol project.

Second World War
Statistical Section, military and scientific topics

- G.137-G.139 Memoranda re various aspects of anti-U-boat warfare from
D.M.B. Butt and others, 1943-45.
- G.137 April-December 1943
- G.138 1944
- G.139 1945
-
- G.140 Miscellaneous charts re anti-U-boat warfare, n.d.
-
- G.141 Copy of Coastal Command Review, June 1945, containing
a review of the activities and accomplishments of Coastal
Command in the U-Boat war.

Second World War
Statistical Section, military and scientific topics

- G.142-G.151 OTHER NAVAL PAPERS, 1939-47.
- G.142-G.145 Correspondence and papers re the Fleet Air Arm, 1939-45.
- G.142 1939-40
- G.143 1942
- G.144 January 1943
- Drafts, notes, brief correspondence, press-cuttings
re debate on the Fleet Air Arm in the House of Lords,
27 January 1943.
- G.145 1943
- G.146-G.151 Miscellaneous naval papers.
- G.146 1939
- Typescript of statement by Churchill to House of Commons
(6 December 1939), and notes for address to House of
Lords (13 December 1939), both on progress of the naval
war. With background information by G.D.A. MacDougall.
- G.147 1940
- Includes personal letter from Admiral Sir Roger Keyes
to Churchill, 22 December 1940, re proposed raid on
Pantelleria (Keyes, as Director of Combined Operations,
planned to lead the raid in person, but the proposal was
dropped after the arrival of the German Air Force in
Sicily in February 1941). The letter was sent via Churchill
with a covering note suggesting that it should be seen only
by himself and E.A. (later Sir Eric) Seal.
- G.148 1941-42
- G.149 1942-43
- Correspondence and papers re methods of attacking the
warship Tirpitz, 2 May 1942, February-June 1943.
- Folder also includes a letter from A.P. Rowe, 14 November
1944, re the sinking of the Tirpitz.
- G.150 1943-45
- Includes drafts and correspondence on the subject of
'Battleships versus Aircraft'.
- G.151 1947, n.d.

Second World War
Statistical Section, military and scientific topics

G.152-G.443 WEAPONS, DEFENSIVE DEVICES, MILITARY ORGANISATION
AND STRATEGY

The following papers reflect Cherwell's considerable interest and involvement in the contribution of science to the war effort. His interest in weapons development has sometimes been dismissed as a mere love of 'gadgetry', but this criticism under-rates the value of the support he gave to numerous projects for research and development, even if in some cases his enthusiasm was misguided and the project eventually proved unsuccessful.

The material is arranged by subject and presented in alphabetical order. A list of contents appears overleaf, but it must be stressed that it has not been possible to provide cross-references to other material on the topics listed which may appear elsewhere in Section G or in other parts of the collection (especially Sections D and F). Particular mention should be made here of some of the more substantial sets of papers such as those on Bombs and Bombing (G.117-G.209) M.D.1 (G.246-G.306), U.P.s and Proximity Fuzes (G.376-G.409) and the German V-Weapons (G.410-G.440).

Second World War
Statistical Section, military and scientific topics

LIST OF CONTENTS

AERIAL MINES	G.152
ALUMINISED EXPLOSIVES	G.153, G.154
AMMUNITION (see also SMALL ARMS, SMALL ARMS AMMUNITION)	G.155 - G.159
ANTI-AIRCRAFT WEAPONS (including guns)	G.160 - G.164
ANTI-TANK WEAPONS	G.165, G.166
BALLOONS	G.167 - G.173
BLACKOUT	G.174, G.175
BODY ARMOUR	G.176
BOMBS AND BOMBING	G.177 - G.209
BOMBSIGHTS	G.210 - G.217
CAMOUFLAGE	G.218, G.219
CHEMICAL WARFARE	G.220
DE-ICING (of aircraft)	G.221
FLARES	G.222
FOG DISPERSAL	G.223 - G.225
GAS AND GAS WEAPONS	G.226, G.227
GERMAN WEAPONS	G.228, G.229
GLIDERS	G.230
GUIDED MISSILES	G.231 - G.236
'HABBAKUK'	G.237, G.238
JET PROPULSION	G.239 - G.244
LONG DELAY FUZES	G.245

Second World War
Statistical Section, military and scientific topics

M.D.1 (includes 'Bombard', P.I.A.T., 'Sticky Bomb', etc.)	G.246 - G.306
MINES (MAGNETIC)	G.307
MORTARS	G.308
NOISE MAKERS	G.309
'OVERLORD'	G.310, G.311
P.E. FUZES (see U.P.'s)	
PETROLEUM WARFARE	G.312, G.313
R.D.F. (RADAR) AND RADIO RESEARCH	G.314 - G.334
RADIO COUNTER MEASURES	G.335 - G.348
RHINE MINES	G.349, G.350
ROCKET-ASSISTED BOMBS	G.351
SCATTER BOMB	G.352
SEARCHLIGHTS, SEARCHLIGHT CONTROL	G.353 - G.355
SMALL ARMS, SMALL ARMS AMMUNITION	G.356 - G.360
SMOKE SCREENS	G.361, G.362
SMOKE TARGETS	G.363
TANKS	G.364 - G.373
TORPEDOES	G.374, G.375
U-BOATS (see G.101-G.141)	
U.P.'s (UNRIFLED PROJECTILES) AND PROXIMITY FUZES	G.376 - G.409
V-WEAPONS	G.410 - G.440
WATER CONTAMINATION	G.441
'WINDOW' (see G.345-G.348)	

G.152	AERIAL MINES	1940-45
	Minutes and correspondence <u>re</u> production, development, etc.	
	See also F.1-F.39 <u>passim</u> , G.160, G.161, G.376-G.409.	
G.153, G.154	ALUMINISED EXPLOSIVES	1943-44
G.153	Correspondence with J.E. (later Sir John) Lennard-Jones and others <u>re</u> efficiency of aluminised explosives, October-December 1943.	
G.154	Minutes and correspondence, January-September 1944. Includes copy of Report by Committee of Inquiry into Aluminised Explosives, March 1944.	
G.155-G.159	AMMUNITION	1914-18, 1940-45
	Minutes, correspondence, statistics.	
	See also G.356-G.360.	
G.155	1940	
G.156	1941	
G.157	1942-45	
G.158	Undated drafts and statistics.	
G.159	Charts showing 'Total ammunition filled and total fired in France for each quarter, 1914-18'. Folder also includes other statistics <u>re</u> ammunition in the First World War.	
G.160-G.164	ANTI-AIRCRAFT WEAPONS (including guns)	1939-43
G.160, G.161	Correspondence with W.W. Lumsden and A.J. Grimwood of Imperial Chemical Industries Limited, <u>re</u> development and testing of a small bomb for use against aeroplane propeller blades. Includes reports on experiments.	
G.160	June-August 1939	
G.161	September 1939-May 1941	
G.162	Minutes and statistics <u>re</u> anti-aircraft weapons, 1940-43.	

Second World War
Statistical Section, military and scientific topics

- G.163 Correspondence with F.A. (later Sir Frederick) Pile
re A.A. blinds and prematures, April-May 1943.
- G.164 Miscellaneous undated material, mainly charts and
statistics.
- G.165, G.166 ANTI-TANK WEAPONS (Including guns) 1940-43
Minutes and correspondence.
- G.165 July 1940-June 1942
Includes 8 pp. typescript 'Notes on Anti-Tank Weapons'
sent by Cherwell to D. Sandys, 4 February 1942.
- G.166 July 1942-March 1943 (and n.d.).
Includes correspondence with R.M. (later Lord) Weeks,
August 1942.
- G.167-G.173 BALLOONS 1939-44
See also C.22ff., E.37, F.1-F.39 passim.
- G.167 Correspondence with Sir Kingsley Wood, December 1939,
re safeguarding kite-balloons on the ground against wind.
- G.168- Minutes and correspondence re uses of balloons in aerial
G.170 warfare, 1940-42.
- G.168 May-August 1940
- G.169 September-December 1940
- G.170 January-April 1941, February 1942
- G.171 Progress reports and notes of meetings or demonstrations
re 'T.C.B. Scheme' (Balloon Barrage), July- December 1942.
- G.172 Minutes, notes, photographs re T.C.B. Scheme, mostly 1943.
- G.173 Memorandum to Cherwell on 'Balloon Barrage Schemes',
22 July 1944.
- G.174, G.175 BLACKOUT 1939-42
- G.174 Correspondence with E.K. Rideal and D.R. Pye,
November 1939-August 1940, re use of coal dust
for blacking out water surfaces.
Folder also includes 3 pp. typescript re blackout,
2 October 1939.

Second World War
Statistical Section, military and scientific topics

- G.175 Memoranda and reports re use of coal dust for water
 camouflage, 1941-42.
 Includes 2 reports by T.F. Hurley and E.T. Wilkins.
- G.176 BODY ARMOUR 1940
 Minutes and correspondence, May-June 1940.

Second World War
Statistical Section, military and scientific topics

G.177-G.209 BOMBS and BOMBING 1939-45

1939

- G.177 Miscellaneous typescript drafts re bombing policy, September-November 1939.
- Folder also includes 2 pp. typescript 'Note on the damage likely to be done by enemy day-light bombing', and a 3 pp. typescript arguing against the building of Deep Shelters for protection against German bombing, both undated.
- G.178 Correspondence, October-December 1939.
- Mainly re anti-submarine bombs.

1940

- G.179 Minutes and statistics re production and consumption of bombs and bombers, May-September 1940.
- G.180 Reports on accuracy of German bombing sent to Cherwell for information, August 1940.
- G.181 Minutes and statistics re German bombing (number and distribution of bombs, damage caused, casualties, etc.), September-December 1940.

1941

- G.182 Minutes and statistics re production and consumption of bombs, January-December 1941.
- G.183 'Notes on conversation between Professor Zuckerman and Lord Cherwell - 26th March' [1941] re bombing policy.
- G.184 Minutes and letters to Churchill from Sir Archibald Sinclair, Sir Richard Peirse and Lord Beaverbrook re strength of Bomber Command, April 1941.
- G.185 'Report on a Method of Controlled Fragmentation'. Duplicated typescript with diagrams, c. June 1941. Lacks pp.1-6.
- G.186 'Night Photographs in June-July 1941. A Statistical Analysis'.
9 pp. typescript draft, no author or date, describing the results of an analysis of photographs taken during night bombing operations. See also G.187.
Brief related correspondence, October 1941, is also included.

Second World War
Statistical Section, military and scientific topics

- G.187 13 pp. typescript draft with same title as G.186.
- G.188 Miscellaneous correspondence, minutes and statistics,
January-December 1941.

1942

- G.189 Minutes and statistics re production and consumption
of bombs, January-December 1942.
- G.190 Charts illustrating bomb stocks and expenditure, September 1942.
- G.191 Miscellaneous correspondence, minutes and statistics re
bombs and bombing, January-December 1942.
- G.192 Report on the 'Effects of Air Raids on Dwelling House
Property' in the City of Birmingham, 12 February 1942.
Folder also includes a note about the estimated effects of
bombing on large German towns, sent to Cherwell,
23 February 1942.
- G.193 Correspondence with H.T. Tizard re bombing policy, April 1942.
Folder also includes copy of a minute from Cherwell to
Churchill on bombing policy, 30 March 1942.
- G.194 Correspondence with Pressed Steel Company Limited re
proposals for new methods of bomb manufacture, June-
October 1942.
- G.195 Correspondence, minutes and statistics re Bomber Command
(operational strength, casualties, etc.), September-
December 1942.
- G.196 Notes, correspondence and reports re 6 lb. Oil Incendiary
Bomb, December 1942.

1943

- G.197 Miscellaneous correspondence, notes and minutes, including
some on bombing policy, January-December 1943.

1944

- G.198 Minutes and correspondence re bombing policy, January-
November 1944. Includes material re British Bombing
Research Mission.
- G.199 Miscellaneous minutes and statistics, March-December 1944.

Continued

Second World War
Statistical Section, military and scientific topics

1944 (cont'd.)

- G.200 Minutes from Cherwell to Churchill re 'Transportation Plan' (for bombing of German marshalling yards), April-June 1944.
- G.201 Envelope labelled 'Bombing of Germany - Scatter Diagrams'. Contains diagrams comparing accuracy of British bombing in 1941 and 1944 and various maps of Germany.
- G.202 Summaries of monthly reports on Bomber Command operations, submitted to Cherwell, June 1944-May 1945.

1945

- G.203 Miscellaneous minutes and correspondence, January-July 1945. Includes copy of letter from Cherwell to Sir James Chadwick re bomb damage to German housing, January 1945.
- G.204 Memorandum addressed to Cherwell on 'Bombing Accuracy', 16 February 1945. Folder includes miscellaneous background material.
- G.205 Ms. and typescript notes and tables of statistics re tonnage of bombs dropped at various dates.
- G.206 Duplicated typescript on 'Dive Bombing', no author or date.
- G.207,
G.208 Miscellaneous charts re Bomber Command.
- G.207 Mainly re operational strength.
- G.208 re effort, casualties, tonnage of bombs dropped.
- G.209 Miscellaneous undated material.
Includes 4 pp. undated ms. notes on bombing policy in R.F. Harrod's hand.

Second World War
Statistical Section, military and scientific topics

G.210-G.217	BOMBSIGHTS	1939-43
G.210-G.213	Correspondence, 1939-40, arranged in alphabetical order.	
G.210	Beaverbrook, Lord	June 1940
	Carpenter, L. S.	June-November 1940
	Dean, M. J.	April 1940
	Huskinson, P.	October 1940
G.211	Keeley, T. C.	September 1939-September 1940
G.212	Sinclair, A. H. M.	May 1940
	Tedder, A. W.	December 1939-March 1940
G.213	Wimperis, H. E.	January, August 1940
	Enclosing duplicated typescript memorandum in 2 parts on 'Some Suggestions respecting Bomb Sights for Modern Warfare'.	
G.214	Minutes and drafts, September 1939-August 1940 (and n.d.), mostly by Cherwell.	
G.215	Correspondence, notes, agendas, minutes <u>re</u> various meetings to discuss bombsights, December 1939-August 1940.	
G.216	Miscellaneous notes, drafts, correspondence, 1940.	
G.217	Minutes, notes, correspondence, photographs, 1941-43.	

Second World War
Statistical Section, military and scientific topics

G.218, G.219	CAMOUFLAGE	1940-44
	See also G.174, G.175	
G.218	Correspondence with J.S. Huxley and H.B. Cott, April-May 1940.	
G.219	Minutes and correspondence, June 1940-August 1944.	
G.220	CHEMICAL WARFARE	1940-45
	See also G.226, G.227, G.312, G.313, G.441.	
	Minutes and correspondence, 1940-42, 1945. 1940 correspondence is <u>re</u> possible methods of contaminating petrol.	
G.221	DE-ICING (of aircraft)	1940-42
	Minutes and correspondence, 1940, 1942. Includes related printed matter.	
G.222	FLARES	1940-42
	Progress reports <u>re</u> development of flare-carrying aircraft for night interception, September-October 1940.	
	Folder also includes miscellaneous correspondence and reports, 1941-42.	
G.223-G.225	FOG DISPERSAL (F.I.D.O.)	1941-45
	Minutes, correspondence and reports <u>re</u> development and testing of apparatus for clearing fog from airfield runways, known by the code name 'FIDO'. Much of the correspondence is with G.W. Lloyd.	
	See J.109, J.143 for later material <u>re</u> FIDO.	
G.223	1941, 1942	
G.224	1943	
G.225	1944-45	
	Includes some printed matter.	

Second World War
Statistical Section, military and scientific topics

G.226, G.227	GAS and GAS WEAPONS	1939-44
	Minutes, correspondence, memoranda.	
G.226	1939-40	
	Includes correspondence with Lord Melchett <u>re</u> German uses of Arsenic.	
G.227	1941-44	
G.228, G.229	GERMAN WEAPONS	1940-45
	See also G.410-G.440	
	Minutes, correspondence, reports <u>re</u> various German weapons and devices.	
G.228	1940-42	
G.229	1943-45	
G.230	GLIDERS	1940-43
	Correspondence, minutes, statistics, June 1940- January 1943.	

Second World War
Statistical Section, military and scientific topics

G.231-G.236 GUIDED MISSILES 1944-45

- G.231-G.235 Correspondence and papers re a visit by Cherwell to U.S.A., October 1944, to investigate developments in guided missile research.
- G.231 Correspondence with A. King, Director, British Commonwealth Scientific Office in Washington, re travel arrangements, etc. Includes 2 drafts of Cherwell's itinerary, 4-13 October 1944.
- G.232 'Notes on Guided Missile Developments in U.S.A.' 5 pp. typescript by W.H. Stephens, 19 September 1944.
- 'Notes on visits by Lord Cherwell to N.D.R.C. Division 5 (M.I.T.); Polaroid Corporation; Army Air Base Tonopah; Douglas Aircraft Corporation and California Institute of Technology, in connection with guided missiles.' 4 pp. typescript by W.H. Stephens, 12 October 1944. Another copy (not identical) is also included in the folder.
- G.233 Typescript notes (2 sets) for discussion with Admiral Furer and his staff at the U.S. Navy department, 19 October 1944; letter from Furer; 2 pp. typescript report on the visit by R.F. Harman, 24 October 1944.
- G.234 Reports of Cherwell's visits to N.R.D.C. Division 5 (19 October) and Section T of the O.S.R.D. (18 October) by R.F. Harman and W.B. Mann respectively.
- G.235 Copies of letters from Cherwell to various people encountered during his visit, mostly conveying thanks for hospitality, information, etc.
- Also included here is a copy of a telegram of thanks from Churchill to President Roosevelt.
- G.236 Correspondence, 1945.

Second World War
Statistical Section, military and scientific topics

- G.237, G.238 'HABBAKUK' 1942-43
- Correspondence, minutes, reports re plans for the construction of a floating airfield made of ice or reinforced concrete. The project was referred to under the code name 'Habbakuk'.
- G.237 Minutes and correspondence, October-December 1942.
- Includes correspondence with Lord Mountbatten re possible methods of construction and a minute from Churchill calling for immediate investigation of the idea.
- G.238 Minutes of meetings, notes and reports, December 1942-November 1943.
-
- G.239-G.244 JET PROPULSION 1940-41
- G.239 'Gloster Proposal for Interceptor Fighter. Whittle Gyrone Engines.'
- Typescript outlining the design of a jet propelled fighter aircraft, August 1940.
- G.240 Correspondence and papers, September-October 1940.
- Includes 3 typescripts by F. Whittle:
- 'Notes for Professor Lindemann.' 2 October 1940.
- 'General Memorandum on the Design and Production of Gyrone Engines.' 22 April 1940.
- 'Memorandum on the Development of the Gyrone Engine.' 9 October 1940.
- The last two items were enclosed with a letter from Whittle to Cherwell, 10 October 1940.
- G.241 'Memorandum on Rocket Projectiles', by I. Lubbock, November 1940, with accompanying letter to Cherwell from J. O'Hea.
- G.242 'Gloster F.9/40 Fighter Aircraft and Whittle Power Unit. A non-Technical and Incomplete Review, mainly based on a conversation with Mr Tobin (R.D.E.I.).' 7 pp. typescript, no author, 31 January 1941.
- G.243 Minutes and correspondence, May-December 1941.
- Includes several Progress Reports on the Whittle engine.
- G.244 'Turbine Aero Engines', 28 pp. typescript with diagrams by T.P. de Paravicini, September 1941.

Second World War
Statistical Section, military and scientific topics

G.245

LONG DELAY FUZES

1940

Minutes and correspondence, June-August 1940.

Second World War
Statistical Section, military and scientific topics

G.246-G.306 M.D.1.

The origins and history of M.D.1 are described in G.246 as follows:

'The Whitchurch experimental establishment grew up from a War Office section known as M.I.R.(c). which was started in 1939 to develop devices for use in irregular warfare by all three Services. In 1940 workshops were requisitioned at 35 Portland Place. When, in the autumn of that year, this building was badly damaged by enemy action, additional premises were found at Whitchurch. In due course fully equipped workshops, factory buildings and ranges were constructed, and Whitchurch became a completely self-contained experimental station.

In view of its production activities, the original War Office section was in 1940 transferred to the Ministry of Supply and renamed M.D.1. In 1942 M.D.1 became a Grade B Directorate under a Brigadier [M.R. (later Sir Millis) Jefferis] who was subsequently promoted to Major General. After the war, in November 1945, the organisation was absorbed by the Armaments Design Department and became one of their Groups, the O.C. [R.S. Macrae] being given the rank of Colonel.'

Cherwell maintained a close involvement with M.D.1 throughout its existence. He visited Whitchurch regularly, kept in constant touch with the work in progress, and endeavoured to draw the attention of Churchill and others to developments that he thought were worth pursuing. Jefferis and, subsequently, Macrae frequently turned to Cherwell for help over various administrative difficulties and always found in him a strong supporter of their cause.

G.246-G.264 document the administrative history of M.D.1 from 1940 until its final demise in March 1947. Personal correspondence with R.S. Macrae continues until 1954; for further correspondence with Jefferis see the Index of Correspondents. G.265-G.306 contain correspondence and papers re a number of weapons developed by M.D.1., including the 'Bombard', P.I.A.T., 'Sticky Bomb', etc. A short list of contents precedes the sequence.

Second World War
Statistical Section, military and scientific topics

G.246-G.306 M.D.1. 1940-54

G.246 'Experimental Station, Whitchurch.'

3 pp. typescript by R.S. Macrae containing a full description of the M.D.1 premises at Whitchurch with a brief note on the history of the establishment. Attached to the typescript is a 3 pp. list of weapons developed by M.D.1 which were accepted for service use during the Second World War.

G.247,
G.248 Reports on development and research work in hand, 1941-43.
A few reports only:

G.247 February 1941
June 1941 (2 versions)
August 1941

G.248 October 1942
July 1943

G.249 'Report on Demonstration given to the Prime Minister by M.D.1 at Princes Risborough Range on Sunday, August 31, 1941.'

G.250-
G.256 Correspondence re administration, status, establishment and organisation of M.D.1, 1940-45.

G.250 August 1940-April 1941

G.251 September-December 1941

G.252 March-May 1942

G.253 May-June 1942

G.254 June-December 1942

G.255 January-December 1943

G.256 January 1944-July 1945

Second World War
Statistical Section, military and scientific topics

G.257- G.264	Correspondence with R.S. Macrae (Deputy Director). Mainly <u>re</u> arrangements for the closure of M.D.1. Includes correspondence with ministers, etc. concerned with the arrangements and some personal correspondence.	1945-54.
G.257	December 1945-April 1946	
G.258	May-August 1946	
G.259	September-November 1946	
G.260	January-March 1947	
G.261	April-June 1947	
G.262	July-November 1947	
G.263	1948-49	
G.264	1950-54	

Second World War
Statistical Section, military and scientific topics

G.265-G.306 Correspondence and papers re weapons developed by M.D.1.

The material relates to the following weapons, grouped under the headings used in the official list of weapons developed by M.D.1 during the Second World War (see G.246).

G.265-G.273 Guns and Ammunition

'Bombard'

P.I.A.T.

4.5" gun

G.274-G.286 Aircraft Bombs

'W' Mine

Puff Ball

C.S. Bomb

35lb. A/S Bomb

'J.W.' Oscillating Mine

Incendiary Bombs (including 'J' Bomb)

'K' Fragmentation Bomb

Anti-Capital Ship Homing Bomb

G.287-G.295 Grenades and Mines

'Sticky Bomb'

'M' Mine

G.296, G.297 Demolition Devices

'L' Delay Switch

Pull Pressure Release Switch

G.298-G.306 Miscellaneous

Second World War
Statistical Section, military and scientific topics

G.265-G.273 Guns and Ammunition

G.265-G.269 29 mm. Spigot Mortar ('Bombard')

The idea of firing an anti-tank projectile from a spigot was originated by L.V.S. Blacker who directed the initial experimental work. When M.D.1 moved to Whitchurch, Blacker ceased to be involved with the development and the eventual weapon as produced by M.D.1 bore little relation to the original design.

The following correspondence and papers include several reports of trials of the Bombard. 1940-41 correspondence is mainly with Blacker.

G.265 September-December 1940

G.266 January-April 1941

G.267 May-December 1941

G.268 January- June 1942

G.269 August 1942-August 1944

G.270-G.272 P.I.A.T. [Projector Infantry Anti-Tank]

Also known as the Jefferis shoulder gun. The final design incorporated some features from a similar, less powerful, weapon designed by L.V.S. Blacker. The gun was made by I.C.I. and much of the correspondence is with Lord Melchett re development and production problems.

See also D.110.

G.270 1941-42

G.271 1943

G.272 1944-45

G.273 4.5" gun

Correspondence, March 1945.

Second World War
Statistical Section, military and scientific topics

G.274-G.286 Aircraft Bombs

G.274 'W' Mine

Correspondence, March 1940, August 1944.

See also G.349, G.350, 'Rhine Mines'.

G.275, G.276 Puff Ball

9lb. soft-nosed bomb for the attack of tanks by low-flying fighter aircraft. Correspondence re development and operational use.

G.275 June 1941-January 1942

G.276 February 1942-September 1943

G.277-G.279 C.S. Bomb

Bomb using the shaped charge principle for use against capital ships.

G.277 'Second Interim Report on the Attack of Capital Ships by Shaped Charges.' Typescript with several diagrams, produced by M.D.1, 11 March 1942.

G.278 Minutes and correspondence, 1942. Includes some photographs.

G.279 Minutes and correspondence, 1943.

G.280, G.281 35lb A/S Bomb

A shaped charge bomb designed for use against submarines.

Minutes, correspondence and reports.

G.280 February-June 1943

G.281 July-September 1943

G.282 'J.W.' Oscillating Mine

Reports and correspondence, July 1942-March 1943

Second World War
Statistical Section, military and scientific topics

- G.283, G.284 Incendiary Bombs (including 'J' Bomb)
- The 'J' Bomb was a new type of incendiary using a solid filling (naphthalene) instead of petrol. Much of the 1944 correspondence is re availability of naphthalene.
- G.283 October 1943-February 1944
- G.284 February 1944-July 1945
- G.285 'K' Fragmentation Bomb
- An anti-personnel bomb combining delayed action and a jumping charge to give an air burst.
- Correspondence, March-April 1944 also refers to the 'F' bomb.
- G.286 Anti-Capital Ship Homing Bomb
- Minutes, correspondence and reports, June 1944- June 1945.
- G.287-G.295 Grenades and Mines
- G.287-G.291 Grenade No.74 (S.T.) Mks.I and II ('Sticky Bomb')
- An anti-tank weapon, designed to stick to the tank when thrown so as to increase the effectiveness of the explosive.
- Minutes, correspondence and reports, 1940-43.
-
- G.287 1940
- Includes a memorandum from R.S. Macrae to Cherwell, 5 December 1940, enclosing reports and correspondence re the safety of the S.T. Grenade.
- G.288 February-March 1941
- Includes memorandum from R.S. Macrae, 7 March 1941, enclosing further reports and correspondence re safety.
- G.289 April-June 1941
- G.290 June-November 1941
- G.291 1942-43
- Mainly re S.T. Grenade Mk.II.

Second World War
Statistical Section, military and scientific topics

- G.292-G.295 Mine A.P. No.5 ('M')
- A small high explosive charge which detonated when trodden on.
- Minutes, correspondence and reports, 1942-44.
Includes material re 'K' or 'Kangaroo' Mine.
- G.292 November-December 1942
- G.293 January-September 1943
- G.294 January-May 1944
- G.295 June-July 1944 and n.d.
- G.296, G.297 Demolition Devices
- G.296 Switch No.9 ('L' Delay)
- Correspondence 1941, 1945
- G.297 Switch Nos.1, 2 and 3 (Pull, Pressure, Release)
- Correspondence 1941, 1942
- G.298-G.306 Miscellaneous
- Correspondence and papers re various weapons, etc., 1940-45.
- G.298 July 1940-July 1941
- G.299 July-October 1941
- Includes notes of experiments re Munroe Effect.
- G.300 January-April 1942
- G.301 May-July 1942
- G.302 August-November 1942
- G.303 November 1942
- Typescript headed 'Ground Strafing - with Vertical Fire', by J. L. Tuck, 24 November. Folder also includes a bundle of unidentified diagrams, n.d.
- G.304 1943
- Includes correspondence re Munroe Effect and typescript headed 'A Study of the Mechanism of Hollow Coned Charges', by H. Kolsky, A.C. Shearman and C.I. Snow of I.C.I.

Second World War
Statistical Section, military and scientific topics

G.305 1944-45

G.306 n.d.

Includes typescript on 'Density of Prime Numbers' sent to Cherwell by Jefferis and typescript with diagrams and photographs on 'Use of Soft Nosed Bombs for Attack of Capital Ships', no author.

Second World War
Statistical Section, military and scientific topics

- | | | |
|--------------|---|------------|
| G.307 | MINES (MAGNETIC) | 1939-41 |
| | Correspondence, minutes, drafts, notes of meetings. | |
| G.308 | MORTARS | 1941, 1944 |
| | Minutes and statistics <u>re</u> stocks of mortars and ammunition. | |
| G.309 | NOISE MAKERS | 1945 |
| | Minutes and correspondence, January 1945, <u>re</u> relative efficiency of different designs. | |
| G.310, G.311 | 'OVERLORD' (Invasion of Europe) | 1943-44 |
| G.310 | Minutes and correspondence <u>re</u> various landing devices including ship to cliff bridge (proposed by M. Jefferis) and 'Swiss Roll' (floating mat), 1943-44. | |
| G.311 | Papers for meetings of 'Overlord' Preparations Committee, 9 February-30 March 1944.

Folder also includes miscellaneous notes <u>re</u> availability of transport, labour, etc. | |
| G.312, G.313 | PETROLEUM WARFARE | 1940-41 |
| G.312 | Reports or notices of tests and demonstrations 'in connection with the use of petroleum products for fighting purposes', July-August 1940.

Folder also includes note of a Conference on 'Use of Oil for Defensive and Offensive Purposes', 4 July 1940, and draft minute from Cherwell to Churchill, 20 August 1940. | |
| G.313 | Progress reports issued by the Petroleum (Warfare) Department, September 1940, February, September 1941.

Includes correspondence from G.W. Lloyd. | |

Second World War
Statistical Section, military and scientific topics

- G.314-G.334 R.D.F. (RADAR) AND RADIO RESEARCH 1939-45
See also G.335-G.348
- G.314 'Material Basis for Information of the Public on Radio-location'. Fifth Edition, 9 August 1945.
Duplicated typescript describing the development of radar during the Second World War.
- G.315 Undated typescript, with corrections in Cherwell's hand, describing the development of radar during the Second World War.
Some printed matter is also included in the folder.
- G.316 'Code Names and Frequencies of R.A.F. and G.A.F. Radio Systems'. 3 pp. typescript, n.d.
- G.317 Undated ms. and typescript drafts by Cherwell re the role of the British Broadcasting Corporation in wartime.
- G.318-G.325 Correspondence and papers re various aspects of radio and radar research and development, 1939-45.
- G.318 October 1939-June 1940
- G.319 June-July 1940
Includes correspondence with A.V. Hill re proposal for exchange of information on radar with U.S.A. and Canada.
- G.320 July-December 1940
- G.321 February-April 1941
- G.322 May-November 1941
- G.323 April-August 1942
Includes drafts and correspondence re proposals for new Radio Board.
- G.324 January-September 1943
Includes several drafts re priorities in radio research.
- G.325 January 1944-February 1945
Includes correspondence with Sir Robert Renwick and Lord Woolton re the future of Radio Luxembourg, and recommendations for Radar Honours List.

Second World War
Statistical Section, military and scientific topics

- G.326, G.327 Correspondence and papers re G. L. III, 1943-44
G. L. was a type of radar equipment which enabled A.A. guns to fire blind at night bombers. Correspondence is mainly re desirability of replacing G. L. II with G. L. III (Cherwell was against it).
- G.326 March-July 1943
Includes letter from Lord Beaverbrook re G. L. III, October 1940.
- G.327 August 1943-January 1944
Includes undated typescript draft with ms. heading 'American G. L. III - SCR 584'.
- G.328, G.329 Correspondence, minutes, notes of meetings re production of radio valves, 1943-45.
- G.328 February-June 1943
- G.329 March 1944-February 1945
- G.330, G.331 Summaries of references to radar in T.R.E. Progress Reports, April 1943-April 1945, compiled for Cherwell by G.D.A. MacDougall.
- G.330 April 1943-April 1944
- G.331 April 1944-April 1945
- G.332, G.333 Committee papers, 1945
- G.332 August-December 1945 (OPTEC)
- G.333 September 1945 (RADIO)
- G.334 Miscellaneous undated material.

Second World War
Statistical Section, military and scientific topics

G.335-G.348 RADIO COUNTER MEASURES 1940-44, 1950

See also G.96, G.97, G.550.

G.335 Minutes, correspondence, notes of meetings re German uses of radio for navigation, etc. and possible counter measures, June-December 1940.

G.336 Two duplicated typescript reports by L.F. Blandy:
 'Report on German Pulse Stations', 5 August 1940
 'Headache Investigation', 25 October 1940

G.337 'Radio Counter Measures - No.80 Wing - Periodical Report' Nos. 8, 9 and 12, October-November 1940. Duplicated typescript.

G.338 'Report on German Radio Activity, especially with regard to air navigation and impulse transmission', 7 pp. typescript, no author or date, c. summer 1940.

G.339 'Comments on A.S.I. Report No.10 - "The X. Gerat"'. Duplicated typescript, n.d., c.December 1940.

G.340 'Report on V.H.F. Equipment Recovered from Heinkel III P at West Bay, Bridport, Dorset.' Duplicated typescript with photographs and diagrams, 16 December 1940.

G.341-G.344 Minutes, correspondence, notes of meetings, etc., 1941-44.

G.341 January-October 1941

G.342 August-December 1942

Includes correspondence re 'Window' (see also G.345-G.348 below).

G.343 January-September 1944

G.344 June-December 1944

Includes report on radio counter measures used in 'Overlord'.

Second World War
Statistical Section, military and scientific topics

G.345-G.348 'Window'. Correspondence and papers, c.1940-1950

Window was the code name for an arrangement of narrow strips of metallised paper which were designed to reflect as aircraft on German radar systems. Although this scheme was developed in 1942 it was not used until July 1943 because of fears that the Germans might copy the device and use it against British radar.

G.345 1940, 1942

Includes:

2 pp. typescript, probably by Cherwell, re difficulties which may be encountered in the use of R.D.F. (radar), with particular reference to the possible use by the Germans of oscillators to blind British radar. n.d., c.1940.

Correspondence with E. V. Appleton and O.G. Lywood, October-November 1940, re possible experiments to try the effect of an array of dipoles which could be suspended from kite balloons in order to scatter radio signals and confuse enemy beam navigation.

G.346 1943-1944

G.347 2 research reports on Window issued by the Radio Research Laboratory, Harvard University, 1942, 1943. Duplicated typescripts.

G.348 6 pp. typescript draft, written for Churchill in 1950, describing the development of Window and the background to the decision as to when to use it against German radar. The draft is headed 'Insertion B (on page 5 of The Offensive in the Aether)' and is accompanied by a slip of paper dated 27 April 1950.

See also D.117.

Second World War
Statistical Section, military and scientific topics

- G.349, G.350 RHINE MINES 1939-40
- Correspondence, drafts, minutes of meetings re plans for the disruption of traffic on the river Rhine by floating small mines downstream.
- See also G.274.
- G.349 November-December 1939
- G.350 January-April 1940
-
- G.351 ROCKET-ASSISTED BOMBS 1941-44
- Minutes, drafts and correspondence re various types of rocket-assisted bombs, including the Retro Bombing Device and a Concrete-Piercing Bomb for use against U-boat shelters.
-
- G.352 SCATTER BOMB (S. Bomb) 1940
- Memorandum and correspondence from G.P. Thomson, June 1940.
-
- G.353-G.355 SEARCHLIGHTS (including SEARCHLIGHT CONTROL) 1940-44
- G.353 Correspondence and papers, June-October 1940.
Mainly re:
- Proposal by A.V. Mitzakis to use two searchlight beams of complementary colour for dazzling and illuminating enemy aeroplanes.
- New system for searchlight control using radar (YAGI).
See also G.354.
- G.354 Progress reports on YAGI system for searchlight control, August 1940-May 1941 (incomplete set).
- G.355 Correspondence and papers, 1941-42, 1944. Re :
- Development and production of Turbinlite, February 1941-November 1942. (Invented by W. Helmore. For correspondence re further inventions by Helmore see G.453).
- Production of S. L. C. Mk.9X, August-October 1944.

G.356-G.360	SMALL ARMS (including SMALL ARMS AMMUNITION)	1939-45
	Minutes, drafts, correspondence, statistics <u>re</u> stocks, requirements and production.	
G.356	November-December 1939	
G.357	1940	
G.358	1941	
G.359	1942-43	
G.360	1944-45	
G.361, G.362	SMOKE SCREENS	1940-43
	Correspondence and papers <u>re</u> possible use of smoke screens for camouflage of factories and other industrial targets.	
G.361	May-June 1940	
G.362	July 1940-February 1943	
	Includes 2 bundles of photographs of apparatus used to produce smoke screens.	
G.363	SMOKE TARGETS	1939-40
	Minutes, drafts, correspondence, reports <u>re</u> development of smoke-emitting target to be towed behind an aeroplane for anti-aircraft practice.	
G.364-G.373	TANKS	1940-45
G.364	Correspondence and papers <u>re</u> tank production and requirements, April-November 1940. Includes proposals for the establishment of a Tank Board to co-ordinate tank design and production.	
G.365	Correspondence and drafts, April-August 1940, <u>re</u> possible designs for an amphibious tank. Includes brief notes and correspondence <u>re</u> use of searchlights on tanks to dazzle troops	

Second World War
Statistical Section, military and scientific topics

- G.366-G.370 Correspondence and papers re tank requirements, design, production policy, etc., 1941-45.
- G.366 1941
- G.367 1942
- G.368 January-May 1943
Includes 17 pp. typescript on 'Tank Policy', 24 March 1943 (no author).
- G.369 June-October 1943
Includes undated typescript on 'The case for the wheeled tank in desert warfare', by F. Gaye.
- G.370 1944-45
Mainly re tank policy. Includes a report on Russian tanks, July 1944.
- G.371 Minutes, correspondence, reports re design and production of German tanks, 1940-45. Includes miscellaneous undated statistics.
- G.372 Miscellaneous statistics re tanks (charts, diagrams, tables).
- G.373 Set of photographs illustrating various types of tanks.
- G.374, G.375 TORPEDOES 1940-44
- G.374 Minutes and correspondence, 1940-42. Includes:
Correspondence with C.S. Wright re design of homing torpedoes, February 1940.
Miscellaneous minutes re torpedo production, 1941-42.
Correspondence with Sir Archibald Sinclair re British and German torpedo design, April 1942.
- G.375 Correspondence and papers, 1943-44.
Mainly correspondence with B.N. (later Sir Barnes) Wallis and others re spherical torpedo for use in air attacks on dams. Includes some photographs.
Includes a letter re Wallis, May 1943.

Second World War
Statistical Section, military and scientific topics

G.376-G.409 U.P.'s (UNROTATED PROJECTILES) AND PROXIMITY
FUZES 1939-43

The summer of 1939 saw the setting up of the Projectile Development Establishment to work on the development of 'Unrotated Projectiles' (rockets). The research was directed by A.D. (later Sir Alwyn) Crow and a wide variety of weapons was investigated.

In September-October 1939, at Cherwell's instigation, research was being carried out by the Admiralty into the possibility of filling anti-aircraft shells with small aerial mines attached to a parachute by a long wire. It was then suggested that the mines might be packed with the parachute and wire into a cylindrical container and attached as the head of a U.P. and the resulting apparatus (known as a P.A.C. weapon) was used as a defence against dive bombers from ships.

See also G.550.

Another early investigation was into the possibility of making some form of guidance system for a U.P. This project was called the 'Spaniel' (see G.385-G.387).

The early U.P. weapons used delayed action fuzes but these were unsatisfactory for several reasons, so efforts were made to design a fuze that would cause an explosion only when an enemy aircraft was in range. This was known as a proximity or 'P.E.' fuze and it used a photoelectric cell which would activate a detonator when the shadow of an aircraft fell across it. The design was not entirely satisfactory as the fuze was apt to react to clouds and birds and even to varying intensities of daylight.

The following papers contain minutes, drafts, correspondence, progress reports, etc. re the design and development of various U.P. weapons, and of the proximity fuze,

See also D.136.

G.376 Minutes and correspondence, September-November 1939, re development of 'wire filled projectiles' (a shell or U.P. fitted with an aerial mine attached to a parachute by a long wire).

Folder also includes copy of circular issued by the Committee of Imperial Defence re the setting up of the Projectile Development Establishment, May 1939.

Second World War
Statistical Section, military and scientific topics

- G.377 Progress reports on development of 'A.A. Shell filled parachute, wire and bomb', October-November 1939.
- G.378 Notes and memoranda on use of U.P. weapons as follows:
 'Close Range A.A. Protection of Convoys', by G.N. Oliver, 1 November 1939.
 'Naval Wire Barrage Investigation of U.P. Aspect', by A.D. Crow, 10 November 1939.
 'A.A. Armament for Open Sea Minelayers. Consideration of use of Rockets', by G.N. Oliver, 18 November 1939.
 'Close Range A.A. Protection of Convoys', by G.N. Oliver, 20 November 1939.
 'Requirements for U.P. Outfits for Close Range Defence', by J.C. Leach, 22 November 1939.
- G.379 Progress reports on development of '6-inch A.A. shell filled parachute wire and bomb and U.P. with aerial mine', November 1939-January 1940.
- G.380 Memoranda re U.P. weapons, as follows:
 'Description of the rocket scheme of defence against low flying aircraft', no author, 4 December 1939.
 'The U.P. Weapon', no author, 26 January 1940.
 'Parachute, Wire and Bomb. Chances of hitting wires of various lengths with Naval Star Shell', no author or date, c. January 1940.
- G.381 Progress reports on design and development of U.P. with aerial mine, February 1940.
- G.382 Minutes, notes, correspondence, January-April 1940, re development of the U.P. with aerial mine. Includes minute from Churchill, 24 March, re necessity of developing method of dropping aerial mines from aircraft ('Egg-Laying'), in addition to firing them with a U.P.
- G.383 2 typescripts describing a system of firing a series of rockets to form a curtain in the path of enemy dive bombers. Both were forwarded to Cherwell with a brief accompanying letter by A.D. Crow, 21 March 1940:
 'The defence of merchant ships and fishing vessels against low-flying aircraft', 2 pp.
 'Note on the probability of a direct hit with the 2" U.P. on aircraft flying very low over small merchant ships or fishing vessels', 5 pp. + diagrams.

Second World War
Statistical Section, military and scientific topics

- G.384 4 pp. typescript, no author or date, c. December 1939, investigating the possibility of a photoelectrically guided U.P.
- G.385 Minutes re the Spaniel guided rocket, January and March 1940. Folder also includes copy of the first monthly technical report on the Spaniel U.P. (29 February 1940) with a letter from A.D. Crow, 1 March, and 3 undated drawings.
- G.386-G.387 Spaniel U.P. Monthly Technical Reports.
- G.386 Nos.2-4 (March-May 1940)
- G.387 Nos.5-7 (June-August 1940).
- Report No.7 is accompanied by a letter from W.R. Cook, 18 November 1940, explaining the decision to discontinue the investigation.
- G.388-G.391 Correspondence and papers re various aspects of U.P. development, April-December 1940.
- G.388 May-June 1940
- Includes: correspondence re administrative organisation of U.P. research; progress reports, May and June 1940 (+ undated drafts); notes of meetings on 18, 20, 21 May 1940.
- G.389 July-August 1940
- Includes: reports on operational use of Naval Wire Barrage; correspondence and statistics re U.P. production and delivery; correspondence re administrative organisation; report on meeting re U.P. and U.P. Projectors, 29 August 1940.
- G.390 September-October 1940
- Includes: correspondence re administrative organisation; correspondence re manufacture and testing of Land Service Projectors; 4 pp. typescript note on 'Predicted Concentration of 3-inch U.P. against High-Flying Aircraft', by W.R. Cook, 23 October 1940.
- G.391 November-December 1940
- Mainly re U.P. production programme.

Second World War
Statistical Section, military and scientific topics

- G.392 'Report and Recommendations by O.C. 101st A.A. "Z" Battery, R.A. on use of 3" U.P. and Land Service Projector for the Engagement of Dive Bombers.'
Duplicated typescript, 22 December 1940.
- G.393, G.394 Correspondence and papers re development of P.E. (proximity) fuze for U.P. weapons, March-November 1940.
See also D.136, G.404.
- G.393 March-July 1940
Includes copy of 'general specification of the properties to be aimed at in the design of the proximity fuze for the 3" U.P. A.A.', forwarded to Cherwell 19 March 1940.
- G.394 August-December 1940.
- G.395 'Report on the Proximity Fuze in a 3" U.P.'
Weekly progress reports Nos.1-29, June-December 1940 (lacks nos. 4, 7, 9, 10, 14, 19, 22).
See also G.406.
- G.396 Papers re design of a predictor for U.P. weapons. Folder includes:
'Note on the type of predictor required for use with U.P. weapon proximity-fuze against high level aircraft attack.'
3 pp. typescript sent to Crow by Cherwell, 27 July 1940.
Notes of meeting re predictor design, 31 July 1940.
'Suggestion for a simple predictor for use with U.P. on ships.' 1 p. typescript sent to Cherwell by G.P. Thomson with brief accompanying letter, 20 September 1940.
'Prediction for 3-inch U.P. twin mountings for close range defence.' 6 pp. duplicated typescript sent to Cherwell by W.R. Cook, 28 September 1940.
- G.397 Correspondence and papers, December 1940-March 1941.
Mainly re Naval Wire Barrage. Includes correspondence re operational uses of U.P. weapons by the R.A.F. and photographs showing damage caused by P.A.C. (Parachute and Cable - see introductory note to G.376-G.409) weapons at Watton.

Second World War
Statistical Section, military and scientific topics

- G.398 'Defence of ships against dive-bombing attacks by means of the 3-inch U.P. fitted with a proximity fuze.'
Duplicated typescript, no author, 8 January 1941.
- G.399 'Handbook for the Projector, 3-inch, Mark I. Provisional.'
February 1941.
- G.400 Correspondence and papers, April-May 1941.
Mainly re meetings and demonstrations of U.P. weapons.
Includes 1 p. typescript 'Note on use of the U.P. as a
Weapon for Bomber Defence', by A.D. Crow,
21 April 1941.
- G.401 Correspondence with Viscount Duncannon and General Pile,
May-June 1941, re use of U.P.s as anti-aircraft weapons.
- G.402 U.P. Propellant Sub-Committee Reports. Nos.4-6,
April-July 1941.
- G.403 Correspondence and papers, June-August 1941.
- G.404 Correspondence and papers, September-October 1941. Includes:
Notes and correspondence re administrative organisation.
Minutes, correspondence and reports re progress in
development and production of U.P. weapons and fuzes.
- G.405 Correspondence and papers, November-December 1941.
- G.406 'Report on the Proximity Fuze in a 3" U.P.'
Weekly progress reports Nos.30-58, January-August 1941
(lacks nos.35, 46).
See also G.395.
- G.407 Correspondence and papers, 1942.
- G.408 Correspondence and papers, 1943-44.
- G.409 Miscellaneous undated notes, drafts and statistics re U.P.
weapons and P.E. fuzes.

Second World War
Statistical Section, military and scientific topics

G.410-G.440 V-WEAPONS 1939-56

The following papers document one of the most famous of the controversies in which Cherwell became involved during the Second World War. In addition to contemporary minutes, drafts, correspondence, statistics, etc. there are some post-war drafts and correspondence arising from histories of the period by Churchill and others.

G.410 Correspondence and papers, April-June 1943. Includes:

Minutes and correspondence re bombing of recent German constructions in the Calais region.

Report of Meeting of Defence Committee (Operations), 29 June 1943.

'Note on Casualties to be expected from a Bomb Containing 10 tons of Explosive', issued by the Ministry of Home Security, 30 June 1943.

G.411 Correspondence and papers, July-August 1943. Includes:

'Long Range Rockets. Estimation of Two Incidents.' Typescript by R.E. (later Sir Reginald) Stradling, 20 July 1943.

'Classification of Agents' Reports on Enemy Long Range Rockets.' 3 pp. typescript with 2 pp. Addendum, August 1943.

'Summary of Agents' Report on Long Range Rocket', 12 August 1943.

Report of Meeting of Chiefs of Staff Committee, 31 August 1943.

G.412 'Interpretation Report No. D.S.27. Bodyline. Locality: Peenemünde.' Duplicated typescript with accompanying photographs, 16 August 1943.

This was forwarded to Cherwell in November 1943, and is accompanied by brief correspondence.

Folder also includes miscellaneous plans and drawings re Peenemünde rocket.

G.413 Minutes and correspondence, September 1943.

Second World War
Statistical Section, military and scientific topics

- G.414 2 drafts of questionnaire, to be put to a few selected scientists, designed to establish 'the practicability, or otherwise, of the German long range rocket', September 1943. The second draft is accompanied by photographs of small German rockets in Africa.
- Folder also includes brief related correspondence, October 1943.
- G.415 'Reconsideration of estimates of damage likely to be caused by L.R.R. [Long Range Rockets]', by W.N. Thomas, 20 September 1943. Typescript, with accompanying letter from H. Morrison to Cherwell, 24 September.
- Folder also includes brief related drafts and correspondence.
- G.416 Memoranda and reports, October 1943.
- 'Bodyline Scientific Co-ordinating Committee. Fuel Panel. Interim Report. 2nd draft.' Circulated 6 October 1943.
- 'Peenemünde Rocket. Tentative Survey of Possible Design', sent to Cherwell 12 October 1943.
- 'Notes in reply to Lord Cherwell's comments of 1.10.1943', by W.N. Thomas, sent to Cherwell 20 October 1943.
- G.417 Defence Committee (Operations). Reports of meetings, October 1943.
- '10th Meeting', 25 October.
- 'Meeting held in Lord Cherwell's Room', 28 October.
- '11th Meeting', 28 October.
- G.418 Minutes, drafts, correspondence, reports, 1-18 November 1943. Includes:
- Draft Report to the Prime Minister by the Minister of Aircraft Production on the evidence for the German Long Range Rocket.
- Cherwell's detailed criticism of the report, sent to Churchill 9 November 1943.
- Agenda and minutes of Meeting of Defence Committee (Operations), 18 November 1943.
- G.419 Correspondence with R.E. Stradling and H. Morrison re casualties to be expected from the German Long Range Rocket.
- Folder includes a typescript 'Estimation of Vulnerable Areas in London Region', no author, 16 October 1939, and 2 pp. notes and calculations on the subject by F.N. David.

Second World War
Statistical Section, military and scientific topics

- G.420 Minutes from Cherwell to Churchill, November-December 1943.
Includes comments on the Minister of Aircraft Production's Second Report on the Long Range Rocket, sent to Churchill 24 November 1943 and a long minute re pilotless aircraft, sent 23 December 1943. The latter contains marginal annotations (not in Cherwell's hand) commenting on Cherwell's estimates of performance, firing frequency, potential damage, etc. in the light of later events. See also G.427.
Copies of 2 telegrams from Churchill to Cherwell are also included in the folder.
- G.421 2 typescript drafts with extensive alterations in Cherwell's hand. The first page of each is annotated (not by Cherwell) as follows:
 'Draft of Cabinet paper not circulated Nov. 44 (sic, = 43).'
 'Further draft of uncompleted Cabinet paper. This was being written Nov.-Dec. 43.'
Cherwell's intention of submitting a paper is mentioned in a draft minute to Churchill, 19 November 1943 (see G.420).
Folder also includes a further typescript draft on a similar theme, also with alterations in Cherwell's hand.
- G.422 Minutes, reports and correspondence, December 1943.
Includes report of Meeting of Defence Committee (Operations), 22 December 1943.
- G.423 Miscellaneous notes and drafts re long range rockets and flying bombs, n.d., c.1943.
- G.424 Correspondence and papers re probable scale of attack by pilotless aircraft, January-February 1944. Includes:
 Draft note by Cherwell on 'Probable Scale and Effect of Attack on London by Pilotless Aircraft'. 4 pp. typescript, 10 January 1944.
 Reports of meetings of Chiefs of Staff Committee, 11 and 18 January 1944.
 Draft and final version of report of Chiefs of Staff Committee on probable scale of attack with copies of various comments and amendments.
 Report of Meeting of Defence Committee (Operations), 3 February 1944.

Second World War
Statistical Section, military and scientific topics

- G.425 Further correspondence and papers, January-February 1944. Includes:
- Note on 'Magnetic Control of Crossbow', 11 January 1944.
 - Several drafts for a pamphlet to be dropped on Germany exposing the 'secret weapon'.
 - Correspondence and drafts re American complaints of lack of liaison over counter measures to new German weapon developments.
- G.426 Correspondence and papers, March-May 1944. Includes:
- Correspondence with Minister of Economic Warfare re German importation of caesium chloride.
 - Duplicated typescript re 'Suggested Purpose of Certain Factory Installations at Peenemünde and Kluftern/Ober Raderach', 7 April 1944.
 - Report on meeting of Chiefs of Staff Committee, 18 April 1944.
 - Typescript 'Appreciation of the Sound Ranging Method of Locating Large Cross-Channel Explosions' and 'Notes on Cross-Channel Explosions' by C. J. Birkett Clews, 5 and 9 May 1944, with accompanying minute from Cherwell to Churchill.
- G.427 Correspondence and papers, June 1944.
- Includes 2 copies of a comparison of Cherwell's forecasts re flying bombs in his minute to Churchill of 18 December 1943 (see G.420) with the events of June 1944. This was prepared at Churchill's own request and sent with a covering minute by Cherwell, 30 June 1944.
- G.428 Correspondence and papers, July 1944. Includes:
- Minutes and correspondence re flying bombs (casualties and counter measures).
 - Report of Chiefs of Staff meeting, 18 July 1944.
 - Draft of minute from Cherwell to Churchill (not sent) written in answer to 'complaints which you have recently voiced to the effect that you had not been promptly and fully informed concerning the German long-range rocket by Jones, Crow, the Air Ministry and myself'.
- G.429 Suggestions from colleagues and members of the public for countermeasures to the flying bomb, June-July 1944.

Second World War
Statistical Section, military and scientific topics

- G.430 Miscellaneous charts, maps, diagrams, statistics, etc.
 re flying bombs, June-July 1944.
- G.431 Correspondence and papers, August-September 1944
 re flying bombs and rockets including accounts of
 arrival of first rockets in England, 8 September onwards.
- G.432 Correspondence and papers, November-December 1944.
 Includes:
 Duplicated typescript re 'The Economic Balance
 of the Fly-Bomb Campaign', 4 November 1944.
 Correspondence with N.H. Bottomley re plans for
 employing A.A. guns against the V.2 rockets.
 Minutes and reports re potential danger from the V.2
 to the under-river tunnels of the London underground
 railway system.
- G.433 Miscellaneous charts, maps, diagrams, etc. re rockets, 1944.
- G.434 Correspondence and papers, January-June 1945. Includes:
 Continuation of December 1944 correspondence re
 danger to London underground railways and possibility
 of countering V.2 rockets with A.A. guns.
 Report of Meeting of Defence Committee (Operations),
 26 January 1945.
 Correspondence, March-April 1945 re rôle of the R.A.F.
 in the campaign against the V weapons.
- G.435 Miscellaneous notes, statistics, maps, diagrams, etc., some
 unfinished.
- G.436 9 pp. ms. headed 'Crossbow' containing a chronology of
 events relating to the V weapons, 4 November 1939-6 April
 1945. Not in Cherwell's hand.
- G.437 15 pp. typescript account of events relating to the V weapons
 prepared by Cherwell for Churchill and sent to him with a
 covering letter, 29 January 1951.
 Folder also includes 3 typescript drafts of the account, one of
 which has extensive alterations in Cherwell's hand.
 For further correspondence with Churchill re V weapons,
 April-May 1951, see G.550.

Second World War
Statistical Section, military and scientific topics

- G.438 Copy of letter from Cherwell to Churchill, 20 February 1953, re alterations by Duncan Sandys to draft Chapter on 'Pilotless Bombardment' in Churchill's history of the Second World War.
- G.439 Correspondence with J.R.M. Butler, January-February 1956, re draft of Chapters 22-25 of the Defence of the United Kingdom by B. Collier.
Folder includes a duplicated typescript copy of the draft (paginated 509-647) and a letter from Cherwell containing his comments on it, 30 January 1956.
- G.440 Notes, drafts and press-cutting arising from the publication of T.H. O'Brien's book Civil Defence (History of the Second World War, U.K. civil service), 1955.
2 pp. typescript list of 7 questions to be put to Cherwell in view of various statements made by O'Brien.
3 pp. typescript answers to 6 of the questions.
2 typescript drafts re V weapons, heavily annotated by Cherwell.
Draft letter from Cherwell to 'The Editor of the Times (Telegraph)'.
Press-cutting from the Oxford Mail, 19 September (no year)
None of the above material is dated.

Second World War
Statistical Section, military and scientific topics

G.441 WATER CONTAMINATION 1940

Correspondence, notes, reports re methods of rendering
water undrinkable, August-November 1940.

G.442-G.443 MISCELLANEOUS

G.442 Notes, drafts, correspondence, reports re various weapons,
etc., 1939-44 (and some undated).

G.443/1 Weekly reports on bombsights and radar devices, issued
by the Ministry of Aircraft Production, July 1940-January
1941.

G.443/2 List of projects in hand for the development of weapons and
defensive devices, with a note of progress, people con-
cerned, and department responsible, compiled July 1941.

Second World War
Statistical Section, military and scientific topics

G.444-G.499 INVENTIONS AND IDEAS

In the course of the war Cherwell received many ideas for offensive or defensive weapons, devices, methods for improving various aspects of the war effort or conditions of life. Some of these he answered himself; many were passed to J. L. Tuck for evaluation and thence sometimes to other departments for further investigation, giving rise in some cases to a substantial exchange of views.

The material is presented in four alphabetical sequences, as follows:

G.444-G.456 Correspondence with inventors of weapons, defensive devices, etc.

G.457-G.471 Shorter correspondence with friends and colleagues who forwarded letters or proffered suggestions to Cherwell or Churchill.

G.472-G.498 Letters from the general public; mainly less serious material, of an impractical or eccentric nature which was not taken up. Not indexed.

G.499 Post-war correspondence. Not indexed.

Second World War
Statistical Section, military and scientific topics

G.444-G.456	<u>Correspondence with inventors of weapons, defensive devices, etc.</u>	
G.444, G.445	Beatty, A. C.	1940-41
	Mainly <u>re</u> development and production of Northover projector, but containing numerous other ideas and information.	
G.444	June-October 1940	
G.445	February-December 1941	
G.446- G.451	Burney, C. D.	1939-40, 1942
G.446	Correspondence, memoranda and reports <u>re</u> development of Toraplane (gliding torpedo) and Doravane (gliding bomb), October 1939-March 1940.	
	A letter from R.S. Sorley, enclosing a typescript <u>re</u> 'Development of Tora', September 1942, is also included here.	
G.447	Typescript, with accompanying diagrams and drawings describing proposals for the construction in U.S.A. of 'a large Amphibian Flying Boat, capable of carrying four "Satellite" planes, each capable of carrying its own 18" torpedo or one 1500 lb. "Diving Bomb"'. The typescript was originally contained in a plastic folder labelled 'Burney Amphibian and Satellites', n.d., c.early 1940.	
G.448	Typescript introduction to G.447 annotated by Burney 'Statement of present position', with accompanying letter from J. Courtauld, April 1940.	
G.449	Typescript with drawings headed 'The "Propelled Bomb" Fired from the Recoiless Gun', n.d., c.May 1942.	
G.450	Correspondence <u>re</u> 'Propelled Bomb' and Recoiless Gun, June-August 1942.	
G.451	Brief correspondence with C.S. Wright, November 1942, <u>re</u> patent application by Burney for 'Improvements in or relating to marine torpedoes launched from aircraft'. Includes a copy of the patent specification.	

Second World War
Statistical Section, military and scientific topics

- | | | |
|-------|---|---------------|
| G.452 | Cotton, F. S. | 1940-41 |
| | Includes an account of the history of the Royal Air Force Photographic Development Unit, Heston, and brief correspondence <u>re</u> Dufaycolor. | |
| G.453 | Helmores, W. | 1942-45 |
| | Memoranda and correspondence mainly <u>re</u> dirigible torpedo (Helmores Projectile).
See also G.355 (<u>re</u> Turbinlite). | |
| G.454 | Muir, H. J. | 1940-46 |
| | <u>re</u> aerial mines.
See also F.32, F.35. | |
| G.455 | Newton, H. | 1939-40, 1944 |
| | Correspondence <u>re</u> various proposals. | |
| G.456 | Varley, C. H. | 1942-44 |
| | <u>re</u> midget submarines. | |

Second World War
Statistical Section, military and scientific topics

G.457-G.471 Shorter correspondence with friends and colleagues

G.457	Abel, E. (Cherwell's carbon only)	1942
	Amery, L. S.	1940
	Andrade, E. N. da C.	1940
	Arkell, W. J.	1940
	Attlee, C. R. (Cherwell's carbon only)	1940
G.458	Balfour, H. H.	1940
	Barnby, Lord	1942
	Barrington-Ward, B. W. (Cherwell's carbon only)	1940
	Bevir, A.	1940, 1942
	Bracken, B.	1939-40
G.459	Cadogan, A. G. M.	1944
	Cavan, Earl of	1940
	Chapman, S.	1940
	Churchill, C.	1940, 1942
	Churchill, R.	1940
	Colville, J. R. (Cherwell's carbon only)	1941
	Comyns-Carr, A. S.	1939
	Cripps, R. S.	1942-43
G.460	Deedes, W. H.	1940
	Denman, R. P. G.	1940
	Donner, P.	1939
	Freeth, F. A.	1939-40
	Fry, C. B.	1940, 1942
G.461	Gill, E. W. B.	1941
	Goodeve, C. F.	1943
	Grand, L.	1940
	Harvie-Watt, G. S.	1942
	Herbert, A. P.	1941
	Holden, N.	1940, 1941
	Hope, Lord	1940
	Hudson, A.	1941
	Hudson, G. F.	1940

Second World War
Statistical Section, military and scientific topics

G.462	Ince, G. H.	1941
	Johnstone, H.	1942
	Jowitt, W. A.	1942
	Keyes, R. (and Lady Keyes)	1940-43
	Larke, W. (Cherwell's carbon only)	1939
G.463	Leathers, Lord	1943
	Leslie, S.	1939-42
	Lindsay, A. D.	n.d.
	Lloyd, Lord	1940
	Locker-Lampson, O. S.	1942
G.464	Maclean, L.	1939
	Masterman, J. C.	1942
	May, P.	1940
	Melchett, Lord	1940
	Milner, J.	1941
G.465	Monckton, W. (Cherwell's carbon only)	1940
	Moore-Brabazon, J. T. C. (later Lord Brabazon of Tara)	1939-40
	Morton, D. J. K.	1940-42
	Moyne, Lord	1941
	Murray, J.	1942-43
G.466	Nuffield, Lord	1942
	Peck, J. H.	1940, n.d.
	Percival, H.	1940
G.467	Plaskett, H. H.	1941
	Portal, C. F. A.	1941
	Puckle, G. B.	1940
	Purbrick, R.	1943

Second World War
Statistical Section, military and scientific topics

G.468	Roger, A.	1941
	Rothschild, Lord	1941
	Rowse, A. L.	1940
	Salter, A.	1940
	Sandys, Mrs D. (Cherwell's carbon only)	1941
G.469	Seal, E. A.	1940
	Silberrad,	n.d.
	Simon, J.	1940
	Spears, E. L.	1940, 1942, 1943
	Strabolgi, Lord	1942
	Swinton, Lord	1941
G.470	Thompson, J. H. C.	1940
	Thorpe, J. H.	1940
	Watson-Watt, R. (Cherwell's carbon only)	1942
G.471	Wells, H. G.	1940
	Westminster, Duke of	1940, 1942
	Williams, H.	1940
	Wolmer, Viscount (later Lord Selbourne)	1940, 1941

Second World War
Statistical Section, military and scientific topics

G.472-G.498 Letters from the general public

G.472	A
G.473	Ba - Bl
G.474	Bo - Bu
G.475	C
G.476	D
G.477	E
G.478	F
G.479	G
G.480	Ha - He
G.481	Hi - Hu
G.482	I - J
G.483	K
G.484	L
G.485	Ma
G.486	Me - Mu
G.487	N
G.488	O
G.489	P, Q
G.490	R
G.491	Sa - Sk
G.492	Sm - Sw
G.493	Ta - Th
G.494	To - Tu
G.495	U - V
G.496	W

Second World War
Statistical Section, military and scientific topics

G.497 Unsigned letters and drafts. Includes some photographs
and printed matter.

G.498 Minutes and letters to and re unidentified inventors.
Mainly Cherwell's carbons. In chronological order,
1940-42 and n.d.

G.499 Post-war correspondence

Correspondence with and re inventors concerning patents,
awards, etc., 1947-50.

Second World War
Statistical Section, military and scientific topics

- G. 500-G. 525 ARMAMENT REQUIREMENTS AND PRODUCTION; STRENGTH AND ORGANISATION OF BRITISH AND GERMAN GROUND FORCES
- G. 500-G. 509 Minutes, correspondence, reports, statistics re armament production and requirements, 1939-45.
- See also H.158ff. re negotiations for supply of armaments from U.S.A.
- G. 500 1939-July 1940
- See also G. 501
- G. 501 Letters, memoranda, reports, etc. sent to Cherwell by H. Ward, Secretary, Management Research Group No.1, re organisation of armament production, June 1940. Includes accounts by R.F. Harrod of two discussions with Ward, 21 June and 31 July 1940.
- G. 502 August-December 1940
- Mainly re priorities and organisation of production. Includes copy of memorandum by Churchill, 2 September 1940, re future strategy and the need to build up reserves of strength in readiness for a large expenditure of munitions in Spring 1941.
- G. 503 January-July 1941
- re stocks, requirements, production priorities, etc. Includes 5 pp. typescript headed 'Raw Materials Department of the Ministry of Supply', n.d., 1941.
- G. 504 August-November 1941
- Includes 9 pp. typescript re long term production plans, 11 September 1941.
- G. 505 January-June 1942
- Includes 14 pp. typescript 'Note on War Production' with 3 pp. summary, 3 March 1942.
- G. 506 July-December 1942
- Includes 7 pp. typescript memorandum from Churchill to Cherwell, 24 October 1942, requesting a survey of the current position re armaments, manpower, supplies, etc. as a basis for a general directive by Churchill re policy in 1943.

Second World War
Statistical Section, military and scientific topics

G.507	1943	Includes several minutes <u>re</u> British Army requirements in the Middle East.
G.508	1944-45	
G.509	Miscellaneous undated material.	
G.510-G.517	Minutes, drafts, correspondence, statistics <u>re</u> British Army strength and casualties, 1939-45.	
G.510	1939-40	
G.511	'Computation of the number of divisions which can be kept in the field.' 4 pp. typescript by D. G. Champernowne, n.d., c.1940.	
G.512	1941	
G.513	1942	
G.514	1943	
G.515	1944	Mainly <u>re</u> statistics of casualties in battle and through sickness, especially malaria. Includes brief correspondence with I.M. Heilbron <u>re</u> insecticides.
G.516	1945	
G.517	n.d.	
G.518-G.520	Intelligence reports and summaries <u>re</u> strength and organisation of the German army, with related comments or criticisms and some correspondence arising. Some estimates of the general manpower situation in Germany, for the armed forces and war production, are also included in the sequence.	
G.518	1940-42	
G.519	1943	
G.520	1944 (and n.d.)	

Second World War
Statistical Section, military and scientific topics

- G.521 Minutes and correspondence re rates of pay, promotion, pensions and allowances in the British armed forces, 1940-44.
- G.522-G.525 Minutes, correspondence, statistics, etc. re plans for demobilisation, 1943-45. Most of the papers consist of comments by members of Cherwell's staff on memoranda, reports, statements, etc. issued by the Ministries concerned.
- G.522 June-November 1943
- G.523 January-December 1944
Includes correspondence with J.M. Keynes, February 1944.
- G.524 January- July 1945
- G.525 Miscellaneous undated material.

Second World War
Statistical Section, military and scientific topics

G.526-G.533 ORGANISATION OF SCIENTIFIC AND TECHNICAL RESEARCH

Mainly re problem of liaison between individual scientists, industrial firms and government departments and research establishments. Includes some material re salaries and status of scientists in government service.

See Section E for drafts and speeches by Cherwell on the subject of scientific and technological education.

See also H.236-H.253.

G.526 1939-40

Includes correspondence from M. L. Oliphant, N.M.V. Rothschild and R. Stokes.

G.527 1941

Includes draft notes for speech by Lord Hankey on the Scientific Advisory Committee, with related correspondence, March-April 1941.

G.528 1942

Includes text of speech delivered by the President of the Association of Scientific Workers at the Twenty-Fifth Council Meeting, May 1942, and correspondence with Lord Selbourne and Lord Melchett, July-August 1942.

G.529-G.532 Correspondence and papers re salaries of scientists in government service, 1941-45.

G.529 1941-42

Includes correspondence with D.R. Pye, J.T.C. Moore-Brabazon, A.V. Hill, Lord Hankey and Lord Melchett.

G.530 1943

Includes report of the Committee on Scientific Staff, 23 April 1943, and correspondence with Sir Kingsley Wood, Sir Stafford Cripps, C.R. Attlee and Sir Archibald Sinclair.

Second World War
Statistical Section, military and scientific topics

- G.531 1944-45
- Includes duplicated typescript 'Memorandum by the Treasury', 28 November 1944, and drafts for Cabinet paper on 'Conditions of Work in the Government Scientific Service', May 1945, with a letter from Sir Edward Bridges advising against circulation of the paper, 17 May 1945.
- G.532 Miscellaneous undated memoranda and printed matter.
- G.533 Correspondence re salaries of scientists at the Clarendon Laboratory, October 1942- January 1944.

Second World War
Statistical Section, military and scientific topics

G.534-G.550 OTHER MILITARY AND SCIENTIFIC TOPICS

The papers are presented in approximate chronological order.

- G.534 Copies of British propaganda leaflets dropped over Germany, Austria and Prague, February 1940.
- G.535,
G.536 Copies of two reports by R.V. Jones, sent to Cherwell with a covering letter, 8 March 1940.
- G.535 'The Hitler "Waffe".' 9 pp. typescript, 11 November 1939, suggesting that the weapon referred to by Hitler in his speech at Danzig on 19 September was the German Air Force.
- G.536 'A Scientific Intelligence Service.' 14 pp. typescript with 3 Appendices, 7 December 1939.
- G.537,
G.538 Minutes, correspondence, reports of meetings, etc. re arrangements for defence in the event of German invasion, May-July 1940.
- G.537 May 1940 (and n.d.)
- G.538 June-August 1940
- G.539 'The Underground Counter Offensive.' 28 pp. duplicated typescript, 10 June 1940, suggesting lines of approach for Fifth Column activities against Germany.
- G.540 2 typescript notes on the Russian Air Force, 2 pp. and 1 p., n.d. and 9 December 1942.
- G.541 Minutes and correspondence re Japanese aircraft production, Air Force strength, etc., 1942-43.
Folder also includes miscellaneous other papers re Japan, 1944.
- G.542 Minutes and statistics re arrangements for supply of military equipment to Turkey, 1942-43.
- G.543 Minutes and drafts re Palestine, June-July 1943. Mainly comments on plans for the future of Palestine and the position of the Jews in the Middle East.
For further material on Palestine see J.52, J.54.

Second World War
Statistical Section, military and scientific topics

- G.544 Minutes and drafts re the Home Guard, 1943-44.
- G.545,
G.546 Correspondence and papers re exchange of scientific
 information with Russia, 1943-45.
- G.545 1943-44
- Includes:
- Copy of letter from the Secretary of State for
Foreign Affairs (A. Eden) to O. Lyttelton,
12 February 1943, re proposed Mission to Moscow
to be headed by H.T. Tizard.
- Correspondence re proposals for further exchanges
of technical information, April-May 1944.
- Minute to Cherwell re proposed agreement between
I.C.I. and the Russian Government, 25 November
1944.
- G.546 1945
- Mainly re proposed visit of British scientists to
Russia, June-July 1945.
- G.547,
G.548 Correspondence re arrangements for exchange of scientific
 information with France, 1944-45.
- G.547 1944-45 (mainly Cherwell's carbons only)
- Some of the contents of this folder are duplicated
in G.548 below.
- G.548 1945
- G.549 'Military Power and Foreign Policy.' 18 pp. typescript
 draft, no author or date.
- G.550 Correspondence, 1947-51 and n.d., re various draft chapters
 of Churchill's history of the Second World War. Subjects
 covered include P.A.C. rockets, radio counter measures to
 German bombing, Lend Lease and V weapons. For further
 correspondence re Churchill's treatment of the V weapons story
 see G.437, G.438.
- A letter from P. Fleming, 24 October 1955, re events in the
summer of 1940, is also included in the folder.

Second World War
Statistical Section, economic topics

<u>SECTION H</u>	<u>SECOND WORLD WAR H.1 - H.321</u>	
	<u>STATISTICAL SECTION, ECONOMIC TOPICS</u>	
		<u>Page</u>
	INTRODUCTION	266
H.1 -H.66	FOOD AND RAW MATERIALS	267
	With a list of contents	
H.67 -H.94	ALLOCATION OF MANPOWER	275
H.95 -H.100	SHIPPING	278
H.101-H.113	DISTRIBUTION OF RESOURCES	279
H.114-H.144	FOREIGN ECONOMIC POLICY	281
H.145-H.157	HOME ECONOMIC POLICY	286
H.158-H.207	LEND- LEASE	288
H.208-H.267	POST-WAR RECONSTRUCTION	295
	With a list of contents	
H.268-H.289	POST-WAR TREATMENT OF GERMANY	305
H.290-H.321	WORLD FOOD SUPPLIES AND RELIEF	309

Second World War
Statistical Section, economic topics

INTRODUCTION

The background and general content of the material in Section H has already been outlined in the Introduction to Section G. Many of the papers in this Section deal with the allocation of scarce supplies of raw materials, manpower, shipping, etc. on which the Statistical Section was detailed to keep a close watch and to notify any desperate shortages. There is also a considerable body of papers relating to the negotiations with U.S.A. for supply of armaments, etc. on Lend-Lease, in some of which Cherwell played a major part; the majority of these papers have not previously been available to researchers. The latter part of the Section deals with reconstruction and relief, both topics on which Cherwell had strong views.

Inevitably there is some overlap between this Section and Sections F and G. See especially F.88 - F.252 and F.297 - F.381.

Second World War
Statistical Section, economic topics

H.1-H.66 FOOD AND RAW MATERIALS

Correspondence and papers, 1939-45, re stocks, production, rationing, etc.

of the following raw materials:

CEMENT	H.1
CLOTHING	H.2 - H.7
COAL	H.8 - H.21
COTTON	H.22
FOOD AND DRINK	H.23 - H.38
IRON AND STEEL	H.39
LEATHER	H.40
MACHINE TOOLS	H.41
MAGNESIUM	H.42
OIL AND PETROL	H.43 - H.58
RUBBER	H.59
TIMBER	H.60 - H.64
TUNGSTEN	H.65
MISCELLANEOUS	H.66

N.B. Material relating to these topics is not confined to this sub-section.

Second World War
Statistical Section, economic topics

H.1	CEMENT	1940, 1945
	Letter from A. Greenwood to Churchill enclosing a report on stocks and requirements of cement, 5 August 1940.	
	Minute to Churchill from the Home Secretary re shortage of cement for shelters, 6 August 1940.	
	Minute to Cherwell re proposal to increase price of cement, February 1945.	
H.2-H.7	CLOTHING	1941-45
	Correspondence and papers re stocks, requirements and production of service and civilian clothing, and supplies of raw materials, especially wool and cotton.	
H.2	January-March 1941	
H.3	April-May 1941	
H.4	June-August 1941	
H.5	Undated notes, drafts, reports, c.1941	
H.6	Undated statistics and calculations, c.1941	
H.7	1942-1945	
H.8-H.21	COAL	1940-45
	Minutes, correspondence, notes, drafts, statistics re coal stocks, consumption and requirements, problems of production and transport, labour relations in the coal industry, etc.	
H.8	1940	
	Includes minutes re French demands for coal, and the effect on the coal industry of the fall of France.	
H.9	January-November 1941	
H.10	n.d., 1941	

Second World War
Statistical Section, economic topics

H.11	February-April 1942	
H.12	May-November 1942	
H.13	n.d., 1942	
H.14	July-October 1943	
	Includes minutes and drafts <u>re</u> government control of the coal industry.	
H.15	November-December 1943	
H.16	January-April 1944	
	Includes minutes and drafts <u>re</u> wage negotiations in the coal industry.	
H.17	May-December 1944	
	Includes minutes and correspondence <u>re</u> supply of coal to S.H.A.E.F. [Supreme Headquarters, Allied Expeditionary Force].	
H.18	January-March 1945	
	Includes further papers <u>re</u> supply of coal to S.H.A.E.F.	
H.19	April-May 1945	
H.20	June-July 1945	
H.21	Miscellaneous undated diagrams and statistics	
H.22	COTTON	1944
	Minutes and drafts <u>re</u> proposals to increase the price of raw cotton and discontinue government subsidies of cotton for the export market, January-March 1944.	
	See also H.2-H.7	

Second World War
Statistical Section, economic topics

H.23-H.38 FOOD AND DRINK 1939-45

- H.23 Minutes and correspondence, October-December 1939, mainly re proposals for the introduction of rationing for sugar, meat, bacon, butter, margarine and cooking fats.
- H.24 Undated memoranda, drafts and statistics re various foods, mainly background material to minutes in H.23 above, c.1939.
- H.25, H.26 Correspondence and papers, 1940, re availability of various foodstuffs, rationing proposals, shipping tonnage available for imports, general food and agricultural policy, etc.
- H.25 January- June 1940
- H.26 July-November 1940 (including n.d.)
- H.27 Correspondence and papers, January-March 1941, mainly re livestock policy, but including a 2 pp. typescript by the Minister of Food on jam and marmalade supplies, and general notes re imports, diet of the civilian population, etc.
- H.28 Correspondence and papers, March-May 1941. Mainly re meat policy and imports, but including minutes, etc. re use of potato flour in bread-making, availability of sugar for home-made jam and government attitude to back-yard hens.
- H.29 Correspondence and papers, June-December 1941 re meat and other imports, control of egg prices and distribution, extension of food rationing. Includes some undated material, c.1941.
- H.30 Minutes and drafts, September-December 1941, re negotiations for an International Wheat Agreement, conducted by the International Wheat Advisory Committee in Washington. Various observations on the progress of negotiations with some suggestions as to policy. Includes copy of telegram from Sir Arthur Salter, 20 December 1941.

Second World War
Statistical Section, economic topics

- H.31 Correspondence and papers, 1942. Mainly re live-stock policy, but includes 3 pp. typescript on agricultural prices, sent to Cherwell by N. Brook, 3 February 1942, correspondence re manufacture of theobromine, and notes on proposal to ration bread.
- H.32 Miscellaneous notes, drafts and statistics re food policy, n.d., c.1942.
- H.33 Correspondence and papers, January-April 1943. Mainly re egg production policy. Includes several exchanges with the Minister of Agriculture and Fisheries (R.S. Hudson).
- H.34 Correspondence and papers, May-December 1943, re various aspects of food policy. Includes a memorandum by R.H. Brand on the Combined Food Board, minutes and statistics re milk (pasteurisation, production and distribution), poultry, bread, wheat (International Wheat Agreement), beer, butter, and a 2 pp. typescript re financial position of farmers, 23 November 1943.
- H.35 Minutes, drafts, statistics, etc., February 1944-January 1945, re negotiations with U.S.A. over quantities of meat and butter from Australia and New Zealand to be supplied to American forces in the Pacific. Includes copies of several telegrams exchanged between the Minister of Food and the British Food Mission.
- H.36 Miscellaneous minutes, etc. re various aspects of food policy, March-December 1944.
- H.37 Minutes, drafts, copies of telegrams, etc., October-December 1944, re negotiations with U.S.A. over supply of meat from Argentina. Includes some undated material.
- H.38 Minutes, drafts, statistics, January-June 1945, re various aspects of food policy and the general food situation.

Second World War
Statistical Section, economic topics

- | | | |
|-----------|--|---------------|
| H.39 | IRON AND STEEL | 1940-41 |
| | Minutes, drafts, correspondence, statistics re stocks, production and requirements of iron and steel. Includes correspondence with R. Assheton re possible ways of reducing the amount of steel used by the building industry, May-June 1940. | |
| H.40 | LEATHER | 1943, 1945 |
| | Minutes and drafts re imports, stocks and requirements of leather for civilian and military purposes. | |
| H.41 | MACHINE TOOLS | 1940, 1941 |
| | Minutes and correspondence re problems involved in ensuring the most efficient employment of available machine tools, May-August 1940, April 1941. | |
| H.42 | MAGNESIUM | 1941, 1942 |
| | Minutes, drafts, statistics re stocks and requirements of magnesium, November 1941, August 1942. Includes some undated material. | |
| H.43-H.58 | OIL AND PETROL | 1939, 1941-45 |
| H.43 | Minutes, drafts, statistics, etc., 1939, January-November 1941, re oil imports and consumption, employment of tankers, etc. Includes copy of minute from G.W. Lloyd to Churchill, 24 November, re arrangements to ensure supplies of 100 octane aviation spirit. | |
| H.44 | Miscellaneous undated notes, drafts, statistics, charts, etc., mainly background material to H.43 above. Includes copy of a satirical poem by Sir Cecil Kisch (Director-General, Petroleum Department 1939-42) entitled 'The Tankers' Pub Crawl'. | |
| H.45 | Minutes and drafts, January-April 1942. Mainly re estimates of production and consumption of 100 octane aviation spirit. | |

Second World War
Statistical Section, economic topics

- H.46 Minutes, drafts, correspondence, statistics, May-December 1942, mainly re oil imports and stocks. Includes correspondence re drafts of a proposed telegram from Churchill to President Roosevelt re the oil position.
- H.47 Minutes and statistics re oil imports, stocks and requirements, all undated, c.1942.
- H.48 Weekly statistics of (a) tanker building and losses, and (b) oil stocks in U.K., August-December 1942.
- H.49 Minutes, drafts, statistics re 100 octane aviation spirit, October 1942 and n.d.
- H.50 Minutes, correspondence, drafts, statistics re oil imports, stocks and consumption, 1943.
- H.51 Weekly statistics of (a) tanker building and losses, and (b) oil stocks in U.K., January-December 1943.
- H.52 Minutes, correspondence, statistics, etc., January-August 1944, re stocks and consumption of 100 octane aviation spirit. Includes comments on estimates of the oil position made by Lord Beaverbrook in January 1942.
- H.53 Minutes, drafts, statistics, etc. re negotiations with U.S.A. re Middle East oil, February-July 1944.
See also H.54, H.55.
- H.54 8 pp. typescript on 'Oil Interests in the Near and Middle East', sent by Beaverbrook to Cherwell, 17 February 1944.
- H.55 Undated typescript re British and American interests in Middle East oil, n.d., c.1944.
- H.56 Weekly statistics of (a) tanker building and losses, and (b) oil stocks in U.K., January-December 1944.
- H.57 Miscellaneous minutes and statistics re oil stocks, etc., January-April 1945.
- H.58 Miscellaneous undated charts.

Second World War
Statistical Section, economic topics

H.59	RUBBER	1942-45
	Minutes and statistics <u>re</u> supply and consumption of crude and synthetic rubber.	
	See also OIL AND PETROL.	
H.60-H.64	TIMBER	1940-45
H.60	Minutes and statistics, February-April 1940, <u>re</u> supply (both home-grown and imported) and requirements of timber. Includes minutes <u>re</u> possibility of substituting other materials for timber in the manufacture of pit-props.	
H.61	Correspondence with V.H. Boyse and J. Burt Davy, March-April 1940, <u>re</u> timber supplies from West Africa and tropical America.	
H.62	Minutes and statistics, May-November and n.d., 1940. Includes further material on pit-props.	
H.63	Correspondence, minutes, statistics, April-December and n.d., 1941, <u>re</u> stocks, requirements and imports of timber.	
H.64	Minutes, correspondence, statistics, 1943, 1945, mainly <u>re</u> supplies of timber for mining.	
H.65	TUNGSTEN	1941
	Minutes and correspondence <u>re</u> stocks and requirements of tungsten, November 1941.	
H.66	MISCELLANEOUS	1940-45
	Includes:	
	5 pp. typescript <u>re</u> economic effects of the German invasion of Scandinavia, 19 April 1940.	
	Minutes to Cherwell <u>re</u> Italian requirements of food and raw materials, and supplies to be had from Italy in return, July-September 1943. See also H.310.	
	Summaries of reports on 'Stocks of Food and Animal Feeding Stuffs, Raw Materials and Petroleum Products', February 1944-March 1945.	

Second World War
Statistical Section, economic topics

H.67-H.94 ALLOCATION OF MANPOWER

Correspondence and papers, 1939-45, re allocation of manpower between the armed forces, Ministry of Aircraft Production, Admiralty and Ministry of Supply.

For material on demobilisation, see G.522-G.525.

- H.67 3 pp. typescript, 28 December 1939, commenting on the 'Memorandum Submitted by the Interdepartmental Conference on the Labour Requirements of the Proposed War Programme (13th December 1939)' (no author).
- Folder also includes copies of some of the Appendices to the Memorandum, and 2 pp. typescript on the manpower programme for the armed forces, 22 December 1939.
- H.68 'Notes on Man Power.' 4 pp. typescript, 2 copies, one dated 1 February 1940. The other copy has some minor ms. annotations.
- 1 p. typescript note re estimates of figures for total occupied male population in 1939, 1 February 1940.
- 'Summary of Jewkes Paper on Man Power.' 2 pp. typescript, 2 February 1940.
- 3 typescript drafts (2 incomplete) of undated note on manpower.
- H.69 Minutes, drafts, correspondence, January-July 1940, re distribution of labour between exports and munitions. Includes 2 letters from J.M. Keynes, June 1940.
- H.70 Minutes, drafts, reports, etc., May-June 1940, re organisation and expansion of the labour force for armaments production.
- Includes 2 sets undated typescript notes re manpower for the ship-building industry.
- H.71 Minutes, drafts, correspondence re organisation of manpower for industry, July-December 1940.
- H.72 Minutes, drafts, statistics, etc., March-December 1941. Includes several exchanges re number of workers leaving the Royal Ordnance factories every week and plans for distribution of manpower in 1942.

Second World War
Statistical Section, economic topics

- H.73 Minutes, drafts, statistics re manpower distribution, January-June 1942.
- H.74 Advance copy of 'Man Power - mid 1942. Survey by the Ministry of Labour and National Service', with a covering note from G.H. Ince, 13 October 1942.
- H.75 Copies of various memoranda, as follows:
- 'Demands for Forces and Estimated Requirements for Industry. Memorandum by the Ministry of Labour and National Service.' 7 pp. typescript, 9 October 1942.
- 'Report for the Lord President's Committee on the Proposed Reduction of the Labour Force in the Building Materials Industries.' 5 pp. typescript, n.d., November 1942.
- 'Memorandum by the Ministry of Food. Man Power in the Food Industries and Trades.' 5 pp. typescript, n.d., November 1942.
- 'Lord President's Man Power Enquiry.' 19 pp. typescript by the Board of Trade, n.d., November 1942.
- 'Lord President's Manpower Enquiry.' Duplicated typescript, no author, 14 November 1942.
- H.76 Minutes, drafts and correspondence, October-December 1942, arising from a paper by the Minister of Economic Warfare (Lord Selbourne) comparing the distribution and degree of mobilisation of British and German manpower.
- H.77-H.82 Correspondence and papers, January-December 1943, re allocation of manpower between the armed forces, the Ministries of Supply and Aircraft Production and the essential industries.
- H.77 January-April 1943
- H.78 May-June 1943
- H.79 July-August 1943
- Includes 5 pp. typescript by G.D.A. MacDougall on 'Man Power in the first year, after the Armistice with Germany', 25 August 1943.

Second World War
Statistical Section, economic topics

- | | |
|------------|---|
| H.80 | September-October 1943 |
| H.81 | November-December 1943 |
| H.82 | n.d., 1943 |
| H.83 | Minutes and drafts <u>re</u> distribution of doctors and nurses between the armed forces and the civilian population, 1943-45. |
| H.84 | Correspondence and papers, January-March 1944, mainly <u>re</u> manpower allocations for 1944. Includes a letter from Sir John Anderson to Cherwell, 24 January 1944, enclosing copies of correspondence with various Ministers <u>re</u> draft report of the Committee on Man Power. |
| H.85 | Correspondence and papers, February-April 1944, <u>re</u> estimates of manpower requirements after the end of the war with Germany. |
| H.86 | 'Man Power Requirements and Supply.' Duplicated typescript, reviewing the manpower position for 1944 in the light of statistics for the first quarter, n.d., c. May 1944. |
| H.87 | Minutes, drafts, correspondence, May-June 1944. Includes several papers <u>re</u> revision of manpower allocations for the second half of 1944. |
| H.88 | Minutes and drafts, July-August 1944. Mainly <u>re</u> manpower requirements for the second half of 1944. |
| H.89 | Correspondence and papers, September-December 1944. Mainly <u>re</u> manpower allocations for 1945. |
| H.90 | Miscellaneous notes and statistics, n.d., c. 1944. |
| H.91, H.92 | Minutes, drafts, correspondence, statistics <u>re</u> manpower allocations and various aspects of the manpower position, January-July 1945. |
| H.91 | January-March 1945 |
| H.92 | April-July 1945
Includes minutes <u>re</u> the effect of releases from the services on the manpower situation. |
| H.93 | Statistical comparisons of manpower distribution in the First and Second World Wars. |
| H.94 | Miscellaneous undated notes, drafts, statistics, etc. |

Second World War
Statistical Section, economic topics

H.95-H.100 SHIPPING

Correspondence and papers, 1939-45, re the shipping situation and its effect on the import trade.

H.95 1939-40

Includes several minutes re war risk insurance, September-October 1939.

H.96 1941

H.97 1942

Includes drafts of telegram to President Roosevelt asking for help with the shipping situation, and various minutes and statistics re shipping losses.

H.98 1943-44

H.99 1945

H.100 Miscellaneous undated material

Second World War
Statistical Section, economic topics

H.101-H.113 DISTRIBUTION OF RESOURCES

Correspondence and papers, 1940-45, on the organisation and distribution of resources (labour, raw materials, money) for the war effort.

H.101 Minutes and drafts, 1-12 February 1940, commenting on memoranda by Lord Stamp and Sir John Simon re balance of payments, financing of the war, mobilisation of labour, etc.

H.102 Further notes, drafts, minutes re financing of war and organisation of labour and resources, February 1940-February 1941.

H.103 Miscellaneous undated material, similar subject-matter to H.102, c.1940.

H.104 Memoranda and correspondence, by R.F. Kahn, re organisation of labour and restrictions on home trade for increased war production (including the question of rationing), sent to R.F. Harrod for information, May-December 1940. 2 draft minutes from Harrod to Cherwell, 21 and 23 May 1940, are also included in the folder.

H.105-H.109 Correspondence and papers, February-November 1941, re possibility of releasing manpower and raw materials for war production by curtailing government building programmes.

H.105 Statistics re government building sent to R.F. Harrod for information by the Ministry of Works and Buildings, February-October 1941.

H.106 Minutes and correspondence, May-December 1941. Includes copy of 3 pp. letter from Sir John Anderson to Ernest Bevin, 28 October 1941, re possible plans for releasing manpower from the building industry for the Ministry of Aircraft Production and the armed forces.

H.107 'Report to the Lord President on the Possibilities of Releasing Labour by the Curtailment of the Building of War Factories.' Typescript by E.A.G. Robinson, D.N. Chester, G.D.A. MacDougall, P. Gilbert, I. Bowen and A.K. Cairncross, 11 October 1941.

H.108 Report by Sir John Anderson on the building programmes of various government departments, submitted to the Prime Minister with a covering letter, 14 November 1941.

H.109 Miscellaneous undated minutes and statistics.

Second World War
Statistical Section, economic topics

- H.110 5 pp. unsigned typescript headed 'Concentration of Industries', March 1941.
- H.111 Minutes from G.D.A. MacDougall to Cherwell re the effect on the war effort of various restrictions on private consumption, n.d., c.1942.
- H.112 Exchange of minutes between Cherwell and Churchill, March 1942, re suggestions for the introduction of legislation to further reduce private consumption. (Cherwell and Churchill were both opposed to imposing restrictions which would not make an appreciable difference to the manpower or shipping situations.)
- A further minute from Cherwell on the subject of 'Austerity', 7 May 1942, is also included in the folder.
- H.113 Minutes and statistics re estimates of the British war effort in terms of manpower and resources used, 1943-45. Includes 5 pp. draft 'Note on statement in letter from Mr John Knight to Lord Beaverbrook, published in the Daily Express of July 21, 1945 that the United States has played the "major" role in crushing Italy and Germany'.

Second World War
Statistical Section, economic topics

H.114-H.144 FOREIGN ECONOMIC POLICY

Correspondence and papers, 1939-45, re the economic situation in various countries, as follows:

GERMANY	H.114 - H.121
INDIA	H.122 - H.139
RUSSIA	H.140 - H.143
JAPAN	H.144

H.114-H.121 GERMANY

For material on post-war treatment of Germany see H.268-H.289.

- H.114 'Chartering of German Shipping. Note by the First Lord of the Admiralty.'
- 5 pp. ms. and typescript draft for circulation to the Cabinet, 16 November 1939.
- Folder includes several drafts and background information and a note to Cherwell, 30 November 1939, re recent orders placed by Germany for several large barges.
- H.115 Minutes, drafts, statistics, etc. re possible effects of preventing Germany from importing iron ore from Narvik and Luleå, November 1939-April 1940. Includes various undated charts and diagrams.
- H.116 Duplicated typescript on 'Legal Considerations Regarding the Rationing of Italy', by G.G. Fitzmaurice, 16 April 1940.
- Folder also includes 1 p. typescript on the general question of rationing neutrals, 18 April 1940.
- H.117 Notes on Beryllium sent to Cherwell at his request by Lord Melchett and A. Chester Beatty, July 1941.
- H.118 Minutes and drafts, May-June 1941, re plans for destruction of oil installations in the Middle East to prevent them falling into German hands.

Second World War
Statistical Section, economic topics

- H.119 Minutes and correspondence, July 1941-December 1944, re German oil supplies. Includes comments on plans for the destruction of Russian oil installations in the event of a German advance, and reports on German oil stocks and consumption.
- H.120 Miscellaneous charts and tables of statistics re German oil supplies, n.d.
- H.121 Minutes, correspondence, statistics re various aspects of the economic war against Germany, 1940-43.

H.122-H.139 INDIA

For material on Indian food requirements see H.290-H.297.

- H.122 2 pp. typescript by R.F. Harrod, 25 January 1943, suggesting that the U.S. should be asked to lease/lend gold to finance the remainder of the war in Egypt, Iraq, Persia and India.
- H.123-H.126 Correspondence and papers, 1943-45, re Indian financial situation.
- H.123 August-September 1943
- H.124 October-November 1943
Includes ms. and typescript drafts of minute by T. Wilson on International Economic Policy, commenting on British policy in the Middle East and Europe as well as India.
- H.125 Miscellaneous notes and statistics, mainly n.d., c.1943.
- H.126 January 1944-January 1945
Includes papers re preparation of India as a base for the Japanese war.
- H.127 Correspondence and papers, November 1943-January 1945, re price of oil and petrol in India.

Second World War
Statistical Section, economic topics

- H.128-
H.138 Committee on Indian Financial Questions
- H.128 Typescript draft of paper prepared for the Committee on Indian Financial Questions, January 1944. The paper is in two parts with headings as follows:
- 'Indian Financial Problems. Memorandum by the Paymaster General.'
- 'Measures to Relieve the Strain on India's Economy.'
- The drafts appear to have been prepared by T. Wilson, and are accompanied by explanatory notes to Cherwell in his (Wilson's) hand.
- H.129 Final version of Cherwell's paper for the Committee on Indian Financial Questions, 18 January 1944.
- H.130 Minutes and correspondence, January-May 1944. Includes comments on the Draft Report of the Committee on Indian Financial Questions, the first draft of which was circulated in March.
- H.131 Correspondence with Sir John Anderson and L.S. Amery, May-July 1944, re amendments proposed by Cherwell to the Draft Report of the Committee on Indian Financial Questions. Includes drafts of Cherwell's proposed amendments and notes of modifications suggested by Anderson and Amery.
- H.132 Further minutes and correspondence re the Report of the Committee on Indian Financial Questions, July-August 1944.
- H.133-
H.137 Official Committee to report on I.F. (44) 10.
- I.F. (44) 10 was a statement issued by the Government of India in reply to a request by Cherwell and Sir John Anderson for a fuller statement of 'what we (i.e. Great Britain) have had in return for our expenditure in India and the manner in which the control of this expenditure, including the placing of contracts, has been carried out'. A small committee was set up at the suggestion of Sir John Anderson (see H.133) to examine this document under the Chairmanship of A.F.B. Forde, with representatives of the India Office, the Ministry of Supply and the Prime Minister's Statistical Section (T. Wilson).
- H.133 Letter from Sir John Anderson, 5 July 1944, suggesting the formation of the Committee. A copy of Cherwell's reply, nominating T. Wilson as his representative, is also included in the folder.

Second World War
Statistical Section, economic topics

- H.134 Committee papers, notes of meetings, etc., July-September 1944.
- H.135 5 pp. typescript draft by T. Wilson of Part II of the Committee's Report, sent to Cherwell 'off the record', with an explanatory note by Wilson, 23 October 1944.

An earlier draft with ms. corrections is also included in the folder.
- H.136 Various drafts and amendments of the Committee's Report, as follows:

First draft, circulated 13 October 1944
Second draft, circulated 20 November 1944
Third draft, circulated 4 December 1944
Note of amendments suggested by T. Wilson 6 December 1944
Appendix to the Report, circulated 6 December 1944
- H.137 Miscellaneous correspondence, minutes, notes, statistics, etc. related to or arising from the Report of the Committee, December 1944-March 1945, and n.d.
- H.138 Miscellaneous other minutes and correspondence re Indian financial situation, January-April 1945.
- H.139 Miscellaneous minutes and correspondence re Indian industrial conditions and labour problems, political situation, Indian army, etc., 1940, 1943-45.
- H.140-H.143 RUSSIA

Minutes, correspondence, drafts, statistics re supplies of raw materials and armaments to Russia, 1941-45. Includes tables of Russian requirements and British stocks, accounts of negotiations (in particular the Moscow Conference, 1941), shipping arrangements, etc.
- H.140 August-September 1941
- H.141 October-December 1941
- H.142 n.d., c.1941
- H.143 1942-45 (and n.d.)

See also G.545, G.546 re exchange of scientific information with Russia.

Second World War
Statistical Section, economic topics

H.144

JAPAN

Two papers re Japan's economic position, as follows:

'Summary of conclusions of various studies by the Board of Economic Warfare on the Japanese war potential in the next twelve months', by L. Currie, 15 May 1943.

'Japan'. 9 pp. typescript analysis of contemporary Japanese economy, no author or date, c.1945.

Second World War
Statistical Section, economic topics

H.145-H.157 HOME ECONOMIC POLICY

Correspondence and papers, 1939-45.

H.145 5 pp. ms. by R.F. Harrod on 'The means of conserving and enlarging our powers of buying abroad', with accompanying letter to Cherwell, n.d., c.1939.

H.146 'Economic Stagnation.' 11 pp. typescript, no author or date (probably by Harrod).

H.147 'Memorandum for Professor Lindemann. No.4.' 3 pp. typescript, no author, 22 January 1940, re economic warfare, exports, and depreciation of sterling.

H.148 'Exchange Control and Exchange Policy.' 10 pp. typescript draft by J.M. Keynes, 22 May 1940, forwarded to Cherwell with a covering letter from Keynes, 24 May 1940.

Folder also includes 1 p. addition to the draft, accompanied by a further letter from Keynes, 26 May, and 1 p. comments on the draft by R.F. Harrod.

H.149 'Revised Forecast of the British Balance of Payments during the First Year of the War.' 14 pp. typescript, no author or date, c.1940 (second half).

H.150 'Preliminary estimates of the national income of the United Kingdom.' 10 pp. duplicated typescript, no author or date, c.1940.

H.151 'Notes on the Taxation of Income.' 11 pp. typescript, no author or date, probably by D.G. Champernowne, c.1940.

Another copy of the typescript and miscellaneous notes, statistics, diagrams and calculations are also included in the folder.

H.152 'Taxation of Incomes.' 11 pp. duplicated typescript with 4 pp. diagrams, no author or date, c.1941.

Folder also includes charts and diagrams re income distribution and disposal of personal incomes.

H.153 'Wages and Inflation.' 7 pp. typescript, 8 December 1941, by 'L.C.R.'

Second World War
Statistical Section, economic topics

- H.154 2 memoranda on agricultural prices, sent to R.F. Harrod for information, 6 and 14 January 1942.
- H.155 'Theory of Excessive Saving.' 4 pp. typescript by R.F. Harrod, November 1943, with a brief note from Harrod to Cherwell.
- H.156 Correspondence with B.M. Baruch re Britain's economic outlook, December 1944-January 1945.
- H.157 Minutes and correspondence, March 1945, re proposals to establish the manufacture of Ferguson tractors in U.K. and the implications for the British export trade.

Second World War
Statistical Section, economic topics

H.158-H.207 LEND-LEASE

Correspondence and papers, 1940-45, re Lend-Lease negotiations with U.S.A.

See also G.550.

H.158 Duplicated typescript, no author or date, headed 'Forthcoming conversation with the United States on Economic Questions'.

H.159 9 pp. typescript by Sir Arthur Salter headed 'North American Supplies', re recent changes in the American national defence programme and their effect on British prospects of obtaining armaments from the U.S.A., 31 July 1940.

Comments on the memorandum by members of the Statistical Section are also included in the folder.

H.160 Minutes, drafts, correspondence, etc. re negotiations for munitions from U.S.A., November 1940-April 1941.

H.161 Schedules of requirements from the U.S.A., including memoranda submitted by the Ministry of Shipping, the Ministry of Supply and the Air Ministry, January 1941.

H.162 Further submissions re requirements from U.S.A., June and July 1941:

'Memorandum for the Minister of Defence. Army Requirements of Gun and Mortar Ammunition.'
4 pp. typescript, 4 June 1941.

'Notes on some of the Major Requirements in Middle East.' 4 pp. typescript, 29 July 1941.

Miscellaneous undated notes of requirements, 1941-42.

H.163 Black binder labelled 'War Cabinet' containing various papers, as follows:

'Note prepared jointly by Sir Walter Layton and Mr. Stacey May on the Anglo-American Consolidated Statement [of stock and expected output of war equipment]'. 3 September 1941.

A series of graphs illustrating stocks and production schedules for various items of war equipment.

'Estimate of enemy strength.' n.d.

Second World War
Statistical Section, economic topics

- H.164 Copies of telegrams exchanged between Britain and U.S.A. re Lend-Lease negotiations, with particular reference to Article Seven of the Mutual Aid Agreement, December 1941-February 1942.
- H.165 'British Requirements from America in 1942.' 5 pp. typescript issued by the Ministry of Supply, 16 May 1942.
- Folder also includes 4 pp. typescript draft by Cherwell, 29 October 1942, commenting on forthcoming visit of the Minister of Production to America, and another typescript note with similar subject-matter, n.d.
- H.166 'Reciprocal aid. Note by the Treasury for Mr. Stettinius.' 7 pp. duplicated typescript, 20 July 1942.
- H.167 Letter from O. Lyttelton to Churchill, 9 April 1943, re relationship between debtor and creditor countries in international trade, with special reference to the position of America vis à vis Great Britain. Comments on the letter by R.F. Harrod (15 April 1943) and Cherwell (22 April 1943) are also included in the folder.
- H.168 Copy of a letter to O. Lyttelton re Lend-Lease negotiations, 16 November 1943.
- Report of a meeting to discuss draft of General Introduction to account of recent Article Seven talks in Washington for submission to the War Cabinet, 22 November 1943.
- H.169 'Anglo-American Discussions Under Article VII. Memorandum by the Paymaster General.' 6 pp. duplicated typescript, 10 February 1944.
- Another copy (carbon typescript) is also included in the folder.
- H.170 Copies of memoranda by J.E. Meade in connection with Article Seven and other aspects of international economics, February 1944.
- H.171 Copies of 2 telegrams from Churchill to President Roosevelt re dollar balances, 9 March 1944.
- H.172 'Economic Report on U.S.A.' 14 pp. duplicated typescript prepared by members of the British Embassy in Washington, March 1944. The report was forwarded to Cherwell by his brother (C. L. Lindemann) with a brief covering note in April 1944.

Second World War
Statistical Section, economic topics

- H.173 Series of notes on Article Seven prepared for Sir Edward Bridges as a basis for a memorandum to the Dominion Prime Ministers, 27 April 1944.
- H.174 'Draft Memorandum by the Chancellor of the Exchequer. Our Overseas Resources and Liabilities.'
- Duplicated typescript, n.d., containing comments on a memorandum by Lord Keynes on Britain's financial position. Keynes's memorandum was sent to Cherwell with a covering letter from Sir John Anderson, 12 June 1944. Anderson's letter is included in the folder but it bears a later annotation to the effect that Keynes's memorandum was withdrawn from the Cherwell papers in 1958.
- Folder also includes 2 minutes to Cherwell from C.J. Martin and G.D.A. MacDougall, 14 and 19 June 1944.
- H.175 Memorandum from G.D.A. MacDougall to Cherwell, 18 July 1944, re progress of the Monetary Conference at Bretton Woods.
- H.176 Draft telegram to Washington re the relationship between Lend-Lease and British exports, July 1944.
- Folder also includes 2 copies of a letter from Cherwell to C.R. Attlee, one with annotations by G.D.A. MacDougall.
- H.177 'Statistics Bearing on the Dimensions of the United Kingdom's Problem of External Finance in the Transition.' Duplicated typescript issued by the U.K. High Commissioner's Office in Ottawa, 6 August 1944.
- H.178 Minutes and drafts re forthcoming Lend-Lease negotiations, 30 August and n.d. (? early September) 1944. Mainly by G.D.A. MacDougall.
- H.179 'Supplies from Canada in Stage II.' 6 pp. typescript, 1 September 1944.
- Folder also includes 2 pp. typescript 'Note on Canada', by H.T. Weeks.
- H.180 'Lend-Lease Supplies for Britain in Stage II. Note for President of U.S.A.' 5 pp. typescript, 4 September 1944.
- Folder also includes 2 earlier versions of the Note dated 30 August and 1 September. The latter is accompanied by brief related correspondence and drafts.

Second World War
Statistical Section, economic topics

- H.181 Copies of a series of minutes to Churchill re forthcoming Lend-Lease negotiations, dated 6, 7, 11, 12 September 1944.
- H.182 Minutes from G.D.A. MacDougall to Cherwell, September 1944, containing comments on the forthcoming Lend-Lease negotiations with suggestions of points to be raised, followed by a report of proceedings during Cherwell's absence from Washington at the end of September. Some undated notes and drafts are also included in the folder.
- H.183 'Second Draft. Record of Conversation between the President and Prime Minister at Quebec on September 14th 1944.' 2 pp. typescript annotated by MacDougall 'Given to Morgenthau'.

Folder also includes copy of a letter from Cherwell to Morgenthau, 16 September 1944, re the meaning of the phrase 'or sold for profit' in the draft.
- H.184 Various versions of H.183, with 2 drafts of the text of the Agreement between Churchill and President Roosevelt relating to the setting up of a Joint Committee to discuss the question of Lend-Lease.

Folder also includes 2 pp. typescript entitled '1st Draft of Directive for President', n.d.
- H.185 'Agreed Record of Conversation between Prime Minister and President on 14th September, 1944.' Text as circulated, 19th September 1944, with the text of the Agreement between the Prime Minister and the President and a copy of Cherwell's note about the meaning of the phrase 'sold for profit'.
- H.186 'Conference with the British - Lend-Lease.' Transcript of discussion on 20 September 1944. 2 copies.

Folder also includes list of people to whom the transcript was circulated, and brief correspondence.
- H.187 Papers relating to the discussion on 20 September, as follows:

Bundle of ms. and typescript notes labelled by MacDougall 'Prof's brief for meeting on Wed. 20 Sept. at 3 p.m. with Americans'.

1 p. duplicated typescript 'Note on the Objectives for the Meeting at 3 o'clock on Wednesday', by H.T. Weeks, 19 September 1944.

1 p. duplicated typescript 'Points of Interpretation and Doubt in the Directive and the Conversation', by H.T. Weeks, same date (2 copies).

Continued

Second World War
Statistical Section, economic topics

- H.187 (cont'd.) 'Note for Lord Cherwell for conversation with Mr. Morgenthau.' 1 p. typescript by H.T. Weeks, 24 September 1944 (on matters arising from the discussion on 20 September).
- H.188 1 p. summary of conclusions reached at a meeting held on 23 September 1944 'to consider the presentation of the British case for lend-lease in Stage II to the United States authorities'.

The note, which is headed 'Lord Cherwell's Draft' by MacDougall, is accompanied by comments by H.T. Weeks, R.H. Brand and Sir Henry Self.
- H.189 'Note of a meeting held in the Resident Minister's Room on Wednesday, September 27th at 10.45 a.m.' 8 pp. duplicated typescript.

The meeting was held to discuss suggested British procedure for the Stage II discussions.

Folder also includes copies of a letter from Cherwell to Morgenthau written early on the same day.
- H.190 'Points of Interpretation on the Quebec Conversation Relating to Exports.' 6 pp. typescript with 1 p. covering note by J.R.C. Helmore. n.d., but annotated by MacDougall 'Received 28 Sept.' [1944].
- H.191 Miscellaneous minutes, notes, correspondence, September 1944. Includes:

Letter from H.L. Ismay to Cherwell re duration of the war after the collapse of Germany, 14 September 1944.

1 p. typescript on 'Reciprocal Aid in Stage II', annotated by MacDougall 'Note by Brand', 20 September 1944.

Copy of letter from C. Hambro to R.H. Brand, 21 September 1944.

Advance copy of an address by the Director of War Mobilization to be delivered at a National Press Club Luncheon, 27 September 1944.

2 drafts of chronological list of 'Cables and Papers dealing with the Agreement up to September 22', one covering 15-22 September, the other 7-28 September 1944.

Second World War
Statistical Section, economic topics

- H.192 Minutes from G.D.A. MacDougall to Cherwell, October-November 1944. Includes notes re the draft statement of British requirements (see H.196) with reports and comments on the progress of the negotiations.
- H.193 'Stage II Discussions. Note of two meetings held in the Resident Minister's room on the 3rd October 1944.'
3 pp. typescript.
Folder also includes 1 p. typescript annotated by MacDougall 'My proposed Amendment'.
- H.194 'Memorandum of a conversation at the White House between Lord Cherwell and Harry Hopkins, 3 Oct. 44.' re Lend-Lease negotiations and plans for the treatment of Germany.
- H.195 Correspondence and papers, 11-16 October 1944, re revision of British munitions requirements.
- H.196 'British Requirements for the First Year of Stage II.'
Statement prepared by the British Members of the Combined Committee as a starting point for the negotiations over Lend-Lease assistance for the duration of the Japanese war. The statement was submitted to Mr. Morgenthau on 17 October 1944 (see H.197).
- H.197 Brief correspondence re H.196 above. Includes a suggested draft of the General Introduction submitted by MacDougall, 10 October 1944, and draft final version of letter from Cherwell to Morgenthau introducing the document, 16 October 1944. (It was actually submitted on 17 October.)
- H.198 Further correspondence and papers, 18-31 October 1944, re munitions.
Includes brief report of meeting, 18 October 1944, to discuss 3 pp. typescript note by Sir Robert Sinclair (annexed to the report) and 1 p. typescript annotated by MacDougall 'Draft directive from main committee to Munitions expert - handed to Morgenthau at dinner 19.10.44'.
- H.199 Notes, drafts, correspondence re various aspects of Lend-Lease negotiations, October 1944.
- H.200 'Extracts from Gen. 43/126 which bear on Reconversion and Easement in Stage II.' Duplicated typescript containing quotations from various documents relating to Lend-Lease negotiations, 14 September-30 November 1944.

Second World War
Statistical Section, economic topics

- H.201 'The Washington Negotiations for Lend-Lease in Stage II.'
Carbon copy of 30 pp. typescript report prepared by
Keynes for the Chancellor of the Exchequer (Sir John Anderson),
12 December 1944, and forwarded to Cherwell with a covering
letter from Anderson, 20 December 1944.
- H.202 Minute from T. Wilson to Cherwell re international cartels,
27 January 1945.
- H.203 5 pp. typescript, 15 February 1945, commenting on paper
by J.E. Meade on 'The Balance of Gain and Loss' (not
included in the folder).

Folder includes a letter re points arising from Meade's paper,
21 June 1945.
- H.204 Summary of events relating to Article Seven negotiations,
March 1941-February 1945.
- H.205 Several drafts of telegram from Churchill to the Canadian
Prime Minister, March 1945, in reply to financial proposals
made by the Canadian Government.

Folder also includes draft minute to Churchill, n.d.,
February 1945, and other comments on the Canadian
proposals, 1-23 March 1945.
- H.206, H.207 Minutes, drafts, statistics re Lend-Lease negotiations with
U.S.A., 1945.
- H.206 March-June 1945
- H.207 July 1945 (and n.d.)

Second World War
Statistical Section, economic topics

H.208-H.267 POST-WAR RECONSTRUCTION

Correspondence and papers, 1940-45, re plans for post-war development in various fields. Most of the material is concerned with plans for Britain, but there are references to Europe, U.S.A., etc.

The topics considered are:

AGRICULTURE	H.208-H.214
CIVIL AVIATION	H.215-H.219
ECONOMIC POLICY	H.220-H.228
EDUCATION	H.229, H.230
EMPLOYMENT	H.231
HEALTH	H.232
HOUSING	H.233-H.235
SCIENTIFIC RESEARCH AND DEVELOPMENT	H.236-H.253
SOCIAL SECURITY	H.254-H.257
TOWN AND COUNTRY PLANNING	H.258-H.261
MISCELLANEOUS	H.262-H.267

Second World War
Statistical Section, economic topics

H.208-H.214 AGRICULTURE

- H.208 Miscellaneous minutes re post-war agricultural policy, October 1942-January 1943. Includes copy of minute from Churchill, 3 December 1942, re need for discretion as to internal policy to avoid any interference with current negotiations with U.S.A., and a note from R.F. Harrod to Cherwell commenting on the repercussions of Churchill's minute.
- H.209 'Cost of the Agricultural Policy under a Scheme of Price Stabilisation.' Duplicated typescript issued by the Ministry of Agriculture, 22 December 1942. 2 copies, one with extensive annotations.

1 p. undated ms. note headed 'The Proposed Post War Agricultural Policy' is also included in the folder.
- H.210 'The Financial Position of Post-War Agriculture.' 5 pp. duplicated typescript, no author or date, 1942/43. 2 copies (both annotated).
- H.211 Minutes and drafts, March 1943, mainly summaries or criticisms of various plans for post-war agricultural policy.
- H.212 'Post-War Agriculture.' 2 typescript drafts of paper by T. Wilson, 9 and 10 April 1943, the second of which is annotated 'Draft for paper which Prof once thought he might circulate'.
- H.213, H.214 Minutes, drafts, statistics, etc. re various aspects of agricultural policy, April 1943-June 1945.
- H.213 April-October 1943
- H.214 January 1944-June 1945

H.215-H.219 CIVIL AVIATION

- H.215 Minutes exchanged between Cherwell and Churchill, June 1943, re plans for the organisation of post-war civil aviation.

Second World War
Statistical Section, economic topics

- H.216 'Lord Londonderry's Motion on Civil Aviation, House of Lords, Thursday 8th July. Reply for H.M.G. by the Paymaster General.' 24 pp. typescript.

Folder includes a brief letter from Londonderry, 9 June 1943.

- H.217 Notes and briefs re future of civil aviation sent to Cherwell by various individuals and government departments, June-July 1943.

- H.218 Correspondence with Sir Stafford Cripps and others, August 1943-March 1944, re proposal to establish a Post-Graduate School of Aeronautical Science.

- H.219 Minutes and correspondence re various aspects of civil aviation, October 1943-February 1945.

H.220-H.228 ECONOMIC POLICY

- H.220 'A European Budget (The Great Share-Out and Prosperity Bringer).' 2 pp. typescript by G.D.A. MacDougall, 22 July 1940.

- H.221 Paper on post-war national income in two parts, by T. Wilson:
'Section I. The National Income in the Immediate Post-War Years.' 5 pp. typescript, n.d., 1943.
'Section II. The National Income and its Utilisation in the Post-War Period.' 6 pp. typescript, 16 March 1943 (2 copies).

- H.222 'Notes on Post-War Fiscal Policy.' 12 pp. duplicated typescript by L. Rostas, 3 March 1943, with covering letter from Rostas to T. Wilson, 26 March.

- H.223 Bundle of typescript notes prepared by Keynes for Churchill as the basis for a speech on the post-war economic situation, March 1943.
Folder also includes a draft of Churchill's projected speech, 15 March 1943, and a minute from Cherwell commenting on the draft, 18 March 1943.

- H.224 Minutes and drafts on post-war economic policy, 1943-45, re national debt, budgetary prospects, taxation, expenditure, etc.

Second World War
Statistical Section, economic topics

- H.225 Minutes and correspondence re motor vehicle taxation policy and its effect on the post-war prospects of the British Motor Industry, 1944-45.
See also H.266.
- H.226 Miscellaneous undated material re post-war budget, as follows:
 'The Post-War Budgetary Position.' 7 pp. typescript, no author.
 'Claims on the 1948 Budget.' 5 pp. typescript by D.N. Chester.
 'Post-War National Expenditure.' 4 pp. typescript by R.C. Tress.
 'New Expenditure (apart from war expenditure) Incurred Since March 1st 1943 or in Prospect Under New Legislation.' 6 pp. typescript, no author.
 2 draft minutes to Churchill re post-war budgetary prospects.
- H.227 Miscellaneous charts and statistics re average earnings, taxation, national debt, etc., n.d.
- H.228 'Wars, Impact on Civilian Economies of U.K., U.S.A. and Canada.' 7 pp. typescript addressed to (or possibly by) 'Mr Weeks' [H.T. Weeks], n.d., c.1945.
 'Financial Policy in W. Europe.' 3 pp. typescript by H. Ellis-Rees, 6 September 1945, with brief accompanying notes and correspondence.
- H.229, H.230 EDUCATION
- H.229 Minutes and correspondence re various aspects of post-war education policy, 1943, 1945.
- H.230 2 pp. typescript on 'University Courses' re necessity of increasing the number of university graduates as soon as possible.
 Folder also includes correspondence with the University Grants Committee, May-June 1945, with statistics re numbers of wartime graduates in various subject groups.

Second World War
Statistical Section, economic topics

H.231 EMPLOYMENT

Minutes and correspondence re employment policy,
February–November 1944 (and n.d.)

H.232 HEALTH

Miscellaneous minutes and correspondence re the
National Health Service, February 1944–March 1945.

H.233–H.235 HOUSING

H.233 'The Long Term Post-War Building Programme.'
Memorandum prepared by Cherwell for the War Cabinet
Reconstruction Committee, 2 June 1944. 2 copies.

H.234, H.235 Minutes, correspondence, drafts, statistics re post-war
housing, 1944–45. Topics covered include building
programmes for temporary and permanent housing, repair
of bomb-damaged houses, rent control, etc.

H.234 May–December 1944

H.235 January–May 1945 (and n.d.)

H.236–H.253 SCIENTIFIC RESEARCH AND DEVELOPMENT

H.236 Miscellaneous minutes and correspondence, January 1943–
December 1944, re planning and organisation of post-war
scientific research.

H.237 Draft for speech by Cherwell to the House of Lords,
6 July 1943, re need for expansion of scientific research
particularly in relation to fuel development.

Folder also includes copy of brief sent to Cherwell from
the Department of Scientific and Industrial Research,
1 July 1943, and a letter from Lord McGowan congratulating
Cherwell on his speech.

H.238 'Admiralty Post-War Problems Concerned with Research
and Development.' Duplicated typescript by C.F. Goodeve,
29 October 1943.

Second World War
Statistical Section, economic topics

- H.239, H.240 Memoranda and correspondence re planning of post-war research sent to Cherwell by various individuals and industrial firms, 1944-45.
- H.239 Henry Hughes and Son (A. J. Hughes) January 1944
- Hutchinson, G. January 1944
- Hydraulic Coupling and Engineering Company Limited (A.R. Vickers, H. Sinclair) January 1944-March 1945
- H.240 Imperial Chemical Industries (Lord Melchett) January 1944
- Sheldon, N. January 1944
- H.241 Memoranda re post-war armaments research, 1944, as follows:
- 'Armaments Development. A Peace-Time Plan for Making Progress'; by R.S. Macrae, 5 February 1944.
- 2 brief memoranda by L.G. Carpenter, sent to Cherwell 11 May 1944.
- 'Letter from Brigadier Jefferis to Lord Melchett' (commenting on draft by Melchett), 15 September 1944, sent to Cherwell on 24 September.
- 'Memorandum on Post War Armaments Research.' Duplicated typescript by Lord Melchett, 23 November 1944.
- 'Administration of the Armament Development Organisation - Assignment of Responsibility for', by Vice-Admiral Pridham, 30 November 1944 (with covering letter from M.R. Jefferis).
- H.242 'The Control and Management of a National Experimental Establishment for Aircraft and their Engines.' Duplicated typescript issued by the Aeronautical Research Committee, 13 June 1944, with brief related correspondence from Sir Stafford Cripps.
- H.243 Minutes exchanged between Cherwell and Churchill, 3 December 1944.
- Cherwell's minute expresses concern at the lack of coordination between the various panels and sub-committees involved in discussions on post-war research and development. Churchill's reply instructs Cherwell to investigate the situation and present a report with comments or suggestions for future policy.

Second World War
Statistical Section, economic topics

- H.244 'Notes on Proposals for the Encouragement of Industrial Research.' 2 pp. typescript, sent to Cherwell by N. Brook, 7 December 1944.
- 'Proposed Fundamental Principles applying to the Organisation of inter-Departmental Research and Development.' 3 pp. typescript by C.F. Goodeve, sent to Cherwell, 21 December 1944.
- H.245 Drafts of letters from Cherwell to D.S.I.R., Ministry of Aircraft Production, Admiralty and Ministry of Supply, 18-20 December 1944, asking for various statistics re state of scientific research and development. The replies to Cherwell's letters are also included in the folder.
- H.246 'Post-War Scientific Research and Development.' Summary of general views and comments expressed to Cherwell in the course of various discussions during December 1944. The typescript is dated 22 December 1944.
- H.247 2 undated reports, as follows:
- 'Reorganisation of Government Scientific Research and Development.' 4 pp. typescript summary of current position, c.1944/45.
- Final report of Committee on Post-War Radio Research submitted to the Minister of Aircraft Production by T.R. Merton.
- H.248 Further minutes and correspondence re planning of post-war research and development, January-May 1945.
- H.249 Correspondence with D.S. Veale and others, March-June 1945, re uses of aerial photography in many branches of post-war scientific research. Folder also includes duplicated typescript on 'Post-Hostilities and Peace-Time Uses of Air Reconnaissance', 17 November 1944.
- H.250 Correspondence with the Ministry of Supply, June-July 1945, re possibility of increasing the allocation of paper for scientific periodicals in order to speed up the dissemination of scientific knowledge gained during the war.
- H.251 Committee on Defence Research. Papers for 1st Meeting, 2 July 1945.

Second World War
Statistical Section, economic topics

H.252 Committee on Defence Research. Papers for 2nd Meeting, 12 July 1945. Includes a letter from W.S. Douglas re future of German research establishments.

H.253 Committee on Defence Research. Research Establishments Panel.

The Panel was established under Cherwell's Chairmanship in July 1945 'to prepare a list ... of the optimum number of Service Research Establishments which will be required after the war ... [and] to consider the best organisation for basic research'.

Folder contains various minutes and drafts relating to the work of the panel, July 1945.

H.254-H.257 SOCIAL SECURITY

H.254 'The Social Security Plan. Memorandum prepared in the Treasury.' Duplicated typescript re the financial aspects of the social security plan, n.d., November/December 1942.

H.255 'Finance of the Proposals in the Beveridge Report.' 4 pp. typescript with 2 diagrams by D.N. Chester, 18 November 1942.

A second copy (without diagrams) is also included in the folder.

H.256 'The Financial Aspects of the Social Security Plan.' 2 pp. typescript draft, no author or date, commenting on the Treasury Memorandum (H.254).

'Economic Effects of the Beveridge Plan.' 6 pp. typescript by T. Wilson, 22 January 1943, sent to Cherwell with a covering note on 25 January.

H.257 Minutes from Cherwell to Churchill re Beveridge proposals, November 1942-November 1943. Includes some undated drafts and an unsigned minute to Cherwell summarising the proposals, 28 November 1942.

Second World War
Statistical Section, economic topics

H.258-H.261 TOWN AND COUNTRY PLANNING

H.258 Minutes and correspondence, 1943, as follows:

'The Uthwatt Report.' 3 pp. minute to Cherwell
from G.L.S. Shackle, 15 January 1943.

Letter from R. Hart-Synott to Cherwell, 8 November
1943, headed 'The P.M. and Planners'.

'Draft Ministerial Statement on the Scott Report on
Land Utilisation in Rural Areas.' 2 pp. minute to
Cherwell from G.L.S. Shackle, November 1943.

H.259 Minutes and correspondence, January-April 1944, com-
menting on various revisions of the Uthwatt proposals.

H.260 2 typescripts by D.N. Chester, as follows:

'Town and Country Planning (Compensation and
Betterment)', 21 April 1944.

'New Approach to the Land Problem', 31 May 1944.

H.261 Miscellaneous undated material and printed matter, 1944.

H.262-H.267 MISCELLANEOUS

H.262 Minutes to Cherwell re various aspects of post-war reconstruction,
October 1943-January 1945.

H.263 Comments on Cabinet Paper by Cherwell on Reconstruction
Plans, from:

J.H. Peck (19 October 1943)

Board of Trade (22 October 1943)

J.M. Fleming (28 October 1943)

H.264 4 pp. typescript summary of post-war reconstruction plans
in 19 different fields (Land, Employment, Housing, Education,
Social Security, Health, etc.), n.d., c.Spring 1944.

Second World War
Statistical Section, economic topics

- H.265 Transcripts of or comments on various speeches on post-war reconstruction plans, as follows:
- Sir Stafford Cripps
 (typescript of speech, Bristol, 30 January 1944)
- Lord McGowan
 (typescript of speech, Cardiff, 28 March 1944, with
 1 p. comments)
- Lord Beaverbrook
 (notes on 'Lord Beaverbrook's Public Statements',
 5 June 1945, and n.d.)
- H.266 'Motor Car Industry.' Memorandum prepared by Cherwell for the War Cabinet Reconstruction Committee, 3 April 1945.
- An earlier draft of this paper with 1 p. comments by
 T. Wilson, 24 March 1945, is also included in the folder.
- See also H.225.
- H.267 6 pp. typescript by G.D.A. MacDougall, 27 April 1945, commenting on a report prepared for the Reconstruction Committee on the future of the iron and steel industry, accompanied by 1 p. summary of suggested points for Cherwell to raise with the Committee.

Second World War
Statistical Section, economic topics

H.268-H.289 POST-WAR TREATMENT OF GERMANY

Correspondence and papers, 1943-45, 1953.

H.268-H.272 Interdepartmental Committee on Reparations and Economic Security (The Malkin Committee)

This Committee was set up as the result of a memorandum by the President of the Board of Trade (H. Dalton) which recommended that a committee of officials from the Treasury, Foreign Office, Board of Trade, Paymaster General's Office and Cabinet Economic Secretariat should be asked to examine the question of reparations and other closely related matters. The Chairman was Sir William Malkin.

H.268 Memoranda associated with the establishment of the Malkin Committee, sent to Cherwell by J.E. Coulson, 30 September 1943, as follows:

'Compensation to be Required from the Enemy.'
Memorandum by the Treasury, 5 December 1941.

'Germany's Control over Europe's Economic, Industrial and Commercial Organisation. The Question of Restitution and Release.' Memorandum by the Department of Overseas Trade, 11 July 1942.

'Reparations.' Memorandum by the President of the Board of Trade recommending the establishment of the committee, 28 August 1942.

H.269 'The Economic Consequences of Reparations. A Technical Note.' Duplicated typescript, n.d., c.1942.

H.270 Minutes from T. Wilson to Cherwell, April-October 1943, commenting on various papers re the future of Germany including drafts of the Malkin Committee's proposals.

H.271 Minutes of an ad hoc meeting of Ministers to discuss the Report of the Malkin Committee, 29 September 1943.

H.272 2 drafts of minute from Cherwell to the Foreign Secretary, 29 September and 5 October 1943, criticising the proposals of the Malkin Committee.

Second World War
Statistical Section, economic topics

- H.273 Minutes to Cherwell re post-war treatment of Germany from T. Wilson, F.R.P. Vinter and others, June 1943-December 1944.
- H.274 'The Need for High-Level Decisions on Principle on the Future of Germany.' 3 pp. typescript by G.D.A. MacDougall, n.d.
- H.275-H.278 E.I.P.S. (Economic and Industrial Planning Staff)
- This body was set up in April 1944 under the responsibility of the Foreign Secretary to correlate the views of government departments on economic policy towards Germany and to formulate issues for the decision of Ministers. Subsequently its scope was extended by the inclusion of Italy, the Balkans, etc. and the consideration of various other related questions.
- In October 1944 Cherwell was asked if he was willing to allow one of his staff to become a part-time member of E.I.P.S. and he nominated F.R.P. Vinter (see H.275).
- H.275 Correspondence re appointment of F.R.P. Vinter as a member of E.I.P.S., October 1944.
- H.276 Copies of drafts and correspondence exchanged between members of E.I.P.S., August 1944-May 1945. A letter from D. Morton, 23 April 1945, commenting on an E.I.P.S. paper is also included in the folder.
- H.277 Miscellaneous unsigned and (with one exception) undated drafts re Germany, with titles as follows:
- 'British Exports and Reparations from Germany.'
 - 'The Treatment of German "Concerns".'
 - 'The Destruction or Removal of Heavy Industry in the Rhineland, Westphalia and Saar Areas.'
 - 'Employment in German Agriculture.'
 - 'A Forecast of the Population of Germany.'
 - 'Control and Ownership by the United Nations of German Industrial Concerns', 22 March 1945.
- H.278 Comments on papers produced by E.I.P.S., January 1945 and n.d.

Second World War
Statistical Section, economic topics

- H.279 2 reports of discussions with President Roosevelt re proposals for the de-industrialisation of Germany:
- 2 pp. typescript recording discussion between Morgenthau, Cherwell, Churchill and Roosevelt, 14 September 1944.
- 3 drafts of agreed record of conversation between Churchill and Roosevelt, 15 September 1944.
- H.280 'Program to Prevent Germany from starting a World War III.' Typescript sent to Cherwell by H. Morgenthau with a covering letter, 26 September 1944.
- H.281 Post-war correspondence with H. Morgenthau, and re the 'Morgenthau Plan', 1945-53.
- H.282 'Curtailement of German (and Japanese) Industry and British Exports.' 5 pp. typescript re the 'Morgenthau Plan', 26 January 1945.
- Folder also includes 2 undated drafts with the same title, and 1 p. typescript on 'British and American Directives on Treatment of Germany', n.d.
- H.283 Miscellaneous memoranda and drafts, January-March 1945 and n.d., putting forward the view that decisions re the post-war treatment of Germany should consider Britain's essential need to re-establish the export trade lost during the war.
- H.284 Drafts of Cabinet Paper by Cherwell on 'British Exports, German Industry and Reparations'.
- The drafts are undated but the folder also contains 2 letters from D. Morton, 12 and 17 April 1945, commenting on Cherwell's Cabinet Paper.
- H.285 Minutes to Cherwell from T. Wilson and F.R.P. Vinter, January-July 1945.
- H.286 Miscellaneous correspondence re Germany, February-July 1945.
- H.287 Minutes to Churchill re German reparations, etc., March-July 1945.

H. 288

Folder also includes copy of a typescript on 'Physicists and the War Effort in Germany', by E.C. Kemble, 2 June 1945.

H.289

Statistics re German industry, imports, exports, balance of payments, population, etc., n.d.

Second World War
Statistical Section, economic topics

H.290-H.321 WORLD FOOD SUPPLIES AND RELIEF

Correspondence and papers, 1942-45, re available food supplies in various countries and arrangements for relief. Includes material on the World Food Conference, May 1943 (H.299-H.301), the United Nations Relief and Rehabilitation Administration (H.304-H.306 and passim) and the British Food Mission (H.319, H.320).

H.290-H.297 Indian Food Requirements

For material on the Indian financial situation, see H.122-H.139.

H.290-
H.292

Minutes, correspondence, statistics re Indian grain requirements and the general food situation in India.

H.290 August-December 1943

H.291 February-March 1944

H.292 April-August 1944

H.293 Minutes and correspondence, October-November 1944, arising from a report by Sir Henry French on a recent visit to India.

H.294 Draft Report of the Indian Foodgrains Committee on Sir Henry French's report. Several drafts as follows:

1 p. typescript, n.d.

Another version 'November 1944', accompanied by 'Annex I' (1 p.) and 'Annex II. Statement proposed to be circulated in the Official Report'.

4 drafts of Annex II, all dated 21 November 1944, with brief accompanying correspondence.

H.295 Further correspondence re Indian Foodgrains Committee report, November-December 1944, including revised draft sent to Cherwell 8 December 1944.

H.296 Minutes and correspondence re Indian Foodgrain requirements, February-June 1945.

H.297 Miscellaneous undated material.

Second World War
Statistical Section, economic topics

- H.298 Minutes, drafts and correspondence re negotiations with U.S.A. over plans for post-war relief, June 1942-January 1943 (including some n.d.).
- H.299-H.301 World Food Conference
- In February 1943 President Roosevelt summoned an international Conference to discuss the post-war food problem. The meeting opened at Hot Springs, Virginia, on 18 May 1943, and among its recommendations was the setting up of a Permanent Organisation on Food and Agriculture, to be preceded by an Interim Commission which would carry out some of the functions of the Permanent Organisation while determining its constitution and structure.
- H.299 4 letters from R.F. Harrod to Cherwell re the forthcoming food conference, 21-30 March 1943.
- Folder also includes 2 (different) undated memoranda by Harrod, both headed 'The American Initiative'.
- H.300 Memorandum by Sir Hubert Henderson on 'The Industrialisation of Backward Countries', 13 April 1943, with 3 pp. comments, addressed to Cherwell, comparing Henderson's proposals with those put forward by Harrod (see H.299 above).
- H.301 Minutes to Cherwell re the Food Conference, June 1943.
- Folder also includes 2 later minutes re draft reports of the Interim Commission (18 March 1944) and the draft constitution of the Food and Agriculture Organisation (20 November 1944).
- H.302 Minutes and drafts re financial and administrative arrangements for relief, February-June 1943.
- H.303 Minutes, drafts and correspondence re estimates of food and other items needed for relief, September-December 1943.
- H.304 Minutes, drafts and correspondence re the constitution, scope and financing of the United Nations Relief and Rehabilitation Administration (UNRRA), October 1943.
- H.305 Further minutes and correspondence re UNRRA, December 1943-January 1944, mainly re estimates of requirements for relief and scale of the U.K. contribution.
- H.306 'U.N.R.R.A. and Relief. Memorandum by the Paymaster General.' Undated typescript draft.

Second World War
Statistical Section, economic topics

- H.307-H.309 Minutes, drafts and correspondence re estimates of relief requirements and available supplies, January-September 1944.
- H.307 January-March 1944
Includes correspondence with the Minister of Production (O. Lyttleton) re draft directive on relief from the Prime Minister to the Secretary of State for War.
- H.308 March-April 1944
Includes 5 pp. typescript on 'World Food Prospects, 1944 and 1945', 13 April 1944.
- H.309 May-September 1944
Includes 2 drafts of minute to Churchill re British influence in UNRRA, July 1944.
- H.310 Minutes and drafts re Italian food requirements and arrangements for relief supplies, January-December 1944.
See also H.66.
- H.311 Correspondence from D. Morton re food situation in Yugoslavia, January and May 1944.
- H.312 Minutes and correspondence re relief for France and the Low Countries, October 1944-July 1945.
- H.313 Minutes, drafts and reports on German relief requirements and general food position, January-July 1945.
- H.314 Minutes and correspondence re Greece, Poland and Norway, January-July 1945.
- H.315 Minutes, drafts, statistics re various aspects of relief and world food supplies, December 1944-July 1945 (including some n.d.).
- H.316 Correspondence and statistics from the Ministry of Food, mainly re world food situation, February-May 1945.

Second World War
Statistical Section, economic topics

- H.317 Various papers on world food supplies, as follows:
- 'World Food Supplies 1945.' 3 pp. typescript by
 T. Wilson, 6 March 1945.
- 'Brief for Minister's Paper to War Cabinet on World
 Food Supplies.' 8 pp. typescript, n.d., March 1945.
- 'Food Supplies, Etc.' Duplicated typescript 'For
 Cabinet on Wednesday 14th March, 1945', sent to
 Cherwell by Sir Edward Bridges. An earlier draft of
 this is also included in the folder.
- H.318 Draft of telegram from Churchill to President Roosevelt
 about the world food problem, and Britain's contribution
 to relief, 14 March 1945.
- Folder also includes a note of points to be covered
 in the telegram, dated 15 March 1945.
- H.319 Several drafts of Directive to the Minister of Production
 for his visit to U.S.A. with the Minister of Food to discuss
 with the American authorities the problems of world food
 supplies and relief to devastated areas, March 1945.
- H.320 Minutes and drafts re British Food Mission to the U.S.A.,
 April-June 1945.
- H.321 'A statement of the United Nations Relief and Rehabilitation
 Administration's forward financial position up to 31st
 December 1945, projected, on certain assumptions till
 31st December, 1946.' Duplicated typescript, sent to
 Cherwell by Keynes, 5 July 1945.

Catalogue of the papers and correspondence of

Frederick Alexander Lindemann,
Viscount Cherwell of Oxford CH, FRS
(1886 - 1957)

VOLUME 3

Section J, Politics and the Conservative Party

Section K, Personal and social correspondence

by Jeannine Alton and Julia Latham-Jackson
CSAC catalogue 80/4/81

CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

under the guidance of the Royal Society's

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

Catalogue of the papers of

FREDERICK ALEXANDER LINDEMANN, C.H., F.R.S.

VISCOUNT CHERWELL OF OXFORD

(1886 - 1957)

Deposited in the Library of Nuffield College, Oxford

VOLUME III

Sections J and K

Conspectus of file numbers

Index of correspondents

Compiled by: Jeannine Alton

Julia Latham-Jackson

1981

All rights reserved

SECTION J

POLITICS AND THE CONSERVATIVE PARTY J.1 - J.163

Cherwell's political influence, direct and indirect, was considerable. In addition to his membership of official committees and advisory bodies consequential upon his distinction as a scientist with special knowledge of aeronautics and defence, his personal acquaintance with many leading politicians and social figures such as Birkenhead, Simon and Churchill, with industrialists such as Mond, McGowan and Nuffield, and newspaper proprietors and editors such as Beaverbrook, Camrose, Barrington-Ward and others, all gave an unusual dimension to the pressure he could bring to bear, on individuals and on general public opinion, in the inter-war years. His advice was frequently solicited, whether on a personal basis or as a request to submit a memorandum or an article for publication.

Cherwell was a Conservative. He supported the Party and its candidates at elections, and most (not all) of his political writings were published in conservative newspapers such as the Daily Telegraph and The Times. His main interests were far from narrowly partisan, however: he campaigned for a strong Britain with an active defence policy supported by scientific and technological research. (See especially F.1 - F.39 for correspondence, committee papers, reports and other material on pre-war air defence.) At a local level, he was extremely active during the Thirties in the affairs of the Oxford Conservatives in City and University, and aspired to enter Parliament as Burgess of the University at the General Election of 1935 and again at the Oxford by-election in 1937 (see especially J.18 - J.46).

With the outbreak of war in 1939, the value placed by Churchill on Cherwell's advice assumed an altogether new importance, increased still further when Churchill became Prime Minister in May 1940. Although Cherwell was only one among the Prime Minister's specialist advisers, and although Churchill had access to additional sources of information, Cherwell remained a close, trusted and honoured companion. After the war, Churchill continued to turn to Cherwell for advice and information, appointing him to the Conservative Consultative Committee during the years in opposition, and to the Office of Paymaster-General after the Conservative victory in the General Election of 1951.

Politics and the Conservative Party

From 1941, Cherwell's peerage gave him a seat in the House of Lords and a secure hearing for topics in which he had a special interest. To the end of his life he continued to campaign for recognition for science and technology, improved educational facilities and greater financial expenditure on research. In addition, he maintained his concern with defence problems, now transformed and complicated by the development of nuclear weapons. A new, perhaps unexpected, preoccupation was nutrition and food supplies, matters which became of particular importance during the war and the post-war 'austerity' years.

The material follows a roughly chronological sequence, occasionally broken to allow papers on a particular subject to be kept together. It includes reports and memoranda by Cherwell or sent to him for information by colleagues or members of the general public, drafts for speeches and writings, Parliamentary arrangements, and correspondence.

For additional material relating to Cherwell's concern with scientific and technological education, and with nutrition, see Section E.

For material relating to Cherwell's service in the Churchill administration during the Second World War, see Sections F, G and H.

Many of the 'Personal and Social' letters in Section K refer to the house-parties and social gatherings at which Cherwell could exchange ideas with politicians and others.

Politics and the Conservative Party

- J.1 Correspondence with Lord Hugh Cecil re Safeguarding of Industries Bill, 1921.
- J.2 Copy of Treasury report on 'simplification of the Income Tax', sent for comment by P.J. Grigg, with 1 p. ms. comments by Cherwell, 1922.
Also included here are 3 cards of notes by Cherwell on German reparations, and Franco-German interests in the Ruhr, 1922.
- J.3 Correspondence re nominations as Chancellor of Oxford University, 1925 and 1928.
Includes ms. draft letter by Cherwell inviting Birkenhead to accept nomination, n.d.
- J.4 Letter re Cherwell's bet with Lord Rothermere on election result, 1929.
- J.5 Correspondence, 1930-31.
Mainly re composition of Oxford University Conservative Committee (the 'Caucus').
- J.6 Memorandum and Resolution on gold and exchange standard, June 1932 (by J. Taylor Peddie).
- J.7 Correspondence re India Defence League, 1932-35.
Invitation to Cherwell to join Council of the League, correspondence re meetings.
Included here is later correspondence, 1934-35, from Viscount Wolmer, retiring Chairman of League, re Cherwell's help on the Amendments Committee of the India Bill.
- J.8 Oxford University Elections Committee.
The Committee was formed 'to promote the Conservative cause in the Constituency, and to provide an organisation'
Minutes and papers of committee meetings, November 1932-July 1934.
These cover the period of the reorganisation of the 'Caucus' and the preparation of a new constitution for the Elections Committee; Cherwell was a member of the re-organised Committee (from 10 March 1934).
Also included are reports and statistical analyses of the voting and costs at election of Burgesses, 1922-29.

Politics and the Conservative Party

- J.9-J.12 Correspondence and papers, 1933.
- J.9 Shorter correspondence, January-June
 re invitation to Churchill to address Oxford University
 Conservative Association.
 re Address by Flandin on gold standard.
- J.10 Correspondence and papers, September-October.
 Mainly re nominations as Chancellor of Oxford, and
 organisation of Conservative associations and com-
 mittees at Oxford.
 Includes minutes of meetings, membership lists, draft
 letters to press. Cherwell played a major part in the
 reorganisation of the 'Caucus' on less autocratic lines.
- J.11 Correspondence and papers, November-December.
 Similar material, re organisation of various Conservative
 associations at Oxford.
 Cherwell's letter of 24 November to Lord Iddesleigh
 gives a clear account of the proposed resident and non-
 resident Conservative Committees (a meeting of 'non-
 residents' was held at the House of Commons on 30
 November).
- J.12 Shorter correspondence on political affairs, November.

Politics and the Conservative Party

J.13-J.17

Correspondence and papers, 1934.

Almost all concerned with Oxford Conservative politics.

J.13

Arrangements for visit by Churchill to address Oxford Conservative and Unionist Association in February.

J.14

Correspondence, January-February, re reorganisation of Elections Committee, with draft proposals, nominations, etc. (See J.15 for minutes of committee.)

J.15

Continuing correspondence, May-August.

Includes material and Minutes re Organising Sub-Committee, and reference to Cherwell's possible nomination as Conservative candidate.

J.16

Material re circulation of non-resident Conservative voters.

J.17

Shorter correspondence on political matters.

Includes letter from J. Simon suggesting his interest in standing as Burgess; nomination of Cherwell as Treasurer of Canning Club; congratulations on reform of Conservative organisation at Oxford; study groups, etc.

Politics and the Conservative Party

J.18-J.26

Correspondence and papers, 1935.

A General Election was held in October. Cherwell hoped to secure the nomination as candidate for Burgess of Oxford University in place of Sir Charles Oman. He was supported by Oxford University Conservative Association but the selection meeting in London chose C.R.M. Cruttwell as its candidate. At the General Election, however, A.P. (later Sir Alan) Herbert, standing as an Independent candidate, was returned and Cruttwell forfeited his deposit.

The material includes election addresses and manifestos, letters to the press as well as correspondence reflecting the intense activity of Cherwell and Oxford Conservatives.

J.18

Correspondence, January-March.

re Nomination of candidate for Burgess-ship.

Includes membership lists.

J.19

Correspondence, April-June.

Letters preceding and following the meeting in London on 3 June at which Cruttwell was selected in preference to Cherwell as second Conservative candidate.

J.20

Circular letters and information re London selection meeting, June.

Includes Cherwell's letter to Oxford Magazine.

J.21

Reports of sub-committees to discuss organisation of constituency, relations with undergraduate society, representation, finance, etc. n.d., unsigned, probably by Bolton King with ms. amendments by Cherwell.

J.22

Correspondence, June-October.

General affairs of Oxford Conservative Associations.

Includes Cherwell's refusal to sign election manifesto of conservative candidates.

J.23

Election addresses and manifestos issued by Burgess candidates for General Election, October.

Includes draft of A.P. Herbert's 'Letter to the Electors', 28 pp. typescript with many ms. corrections.

Politics and the Conservative Party

- J.24 Letters on results of election.
- J.25 Correspondence, November-December.
re Constitution of Senior Branch, Oxford Conservative
Association; Cherwell's election as Vice-President,
Federation of University Conservative Associations, etc.
- J.26 Miscellaneous correspondence on Conservative politics.

Politics and the Conservative Party

J.27-J.39

Correspondence and papers, 1936

This was another year of intense political activity, and eventual disappointment, for Cherwell. A by-election arose on the appointment of the Senior Burgess, Lord Hugh Cecil, as Provost of Eton. Cherwell announced his candidature, and began canvassing for support, in July. The Oxford University Conservative Association (the 'Caucus') declined to support Cherwell at a meeting in October, and adopted Sir Farquhar Buzzard as its official candidate at the Selection Meeting held in London on 9 December. Cherwell pursued his campaign as Independent Conservative, and at the election (February 1937) the Conservative vote was split almost equally between him and Buzzard, and the Independent candidate, Sir Arthur (later Lord) Salter took the seat.

Cherwell and his supporters (including Winston Churchill) made great efforts to mobilise their forces, issuing many manifestos, reminders, press statements, etc. Several of these, like the extensive personal correspondence with individuals, refer to defence matters and especially to air defence, this being to Cherwell one of the vital issues of the day and one where he hoped to exert influence in Parliament.

Material covering the election itself continues into 1937, see J.40-J.46.

- J.27 Correspondence, January, about a letter which had been published in the Oxford Magazine on the subject of the 1935 election, and which Cherwell considered defamatory, contemplating legal action.
- J.28 Cherwell's letter of resignation from Oxford University Conservative Committee, and his election manifesto (issued on same day), 11 July.
- J.29 Correspondence canvassing support for election candidature, on basis of Cherwell's own manifesto of 11 July, and also of a later statement drafted by Churchill and signed by statesmen, industrialists, etc. who were not members of Oxford University (see J.31).

In alphabetical order; in some cases only Cherwell's carbon survives.

- J.30 Correspondence, August.

Mainly re Salter's nomination as Independent candidate.

Politics and the Conservative Party

- J.31 Letter from Churchill, enclosing draft letter of support, with suggested signatories from both Houses of Parliament.
- J.32 Correspondence, September-15 October.
Mainly canvassing support, requests to friends to attend adoption meeting of Oxford University Caucus held on 24 October (which decided not to support Cherwell as official candidate).
Includes some references to Cherwell's recent visit to Russia, problems of air defence, etc. as well as immediate electoral matters.
- J.33 Correspondence, 19-31 October.
Includes material sent by Cherwell to Churchill, who spoke at the Oxford Union in his support on 30 October, letters to The Times, request for article for Oxford Magazine, etc.
- J.34 Correspondence, November.
Continuing canvassing and letters to the Press, in preparation for official adoption meeting in London on 9 December.
- J.35 'Brief' prepared by Cherwell for his supporters, on the history of Oxford Conservative organisations, and electoral controversies, 11 November.
- J.36 Correspondence, December.
Preceding and following the adoption meeting at which Sir Farquhar Buzzard was chosen as the official Conservative candidate.
Includes letter from L.S. Amery describing the meeting and advising Cherwell not to proceed with his candidature.
- J.37 Letters, schedules, etc. mainly from E. Bolton King re the running of Cherwell's election campaign.
Includes later correspondence, 1939, from a canvasser who claimed he had not been paid.
- J.38 Draft and printed manifestos, letters of support, polemics, letters to press, etc. put out by Cherwell and his supporters in the course of the campaign.
- J.39 Correspondence re affairs of Oxford University Conservative Association.
Arrangements for meetings, speakers, etc.

Politics and the Conservative Party

J.40-J.48

Correspondence and papers, 1937.

The by-election for the Oxford University Burgess-ship, when Cherwell stood as Independent Conservative, was held in February. The poll closed on Saturday, 27th.

Most of the material relates to the run-up and aftermath of this event.

J.40

Letters of support, advice, etc., January-February.

Includes comments by Solicitor-General on Cherwell's election address, telegram of support from Rothermere, letter from old school-fellow at Blair Lodge, etc.

J.41

Letters to Press (Sunday Times, The Times, Oxford Magazine, Daily Telegraph).

Drafts and correspondence, February 1937.

J.42

Correspondence with Sir Roger Keyes re his letter to The Times supporting Cherwell, which was refused for publication, February.

J.43

Letters of commiseration received by Cherwell on losing the election, March.

Includes telegram from Churchills.

J.44

Shorter letters of commiseration (not indexed).

Cherwell's carbon replies to correspondents.

J.45

Draft and published election manifestos, letters to press, statements issued by Cherwell, etc.

Includes election addresses of Buzzard and Salter.

J.46

Letters to Press, and other statements by Cherwell, commenting on the election, March.

J.47

General correspondence on affairs of Oxford University Conservative Association, and its Senior Branch.

Mainly re meetings and speakers.

J.48

Shorter political correspondence.

Politics and the Conservative Party

J.49

Correspondence and papers, 1938.

Mainly shorter correspondence re Oxford Conservative activities.

Includes draft constitution for Senior/Graduate Branch of Oxford University Conservative Association, with ms. revisions by Cherwell.

J.50

Correspondence, September-October 1939.

Mainly with R.F. Harrod, re statistical estimates of costs of armed forces, and re Harrod's 11 pp. memorandum on need for a central economic council, forwarded by Cherwell to Hankey.

J.51, J.52

Correspondence and papers, 1943.

J.51 Shorter exchanges on Social Security, House of Lords business.

J.52 Correspondence and papers, with C. Weizmann and officials, on Jewish affairs, mainly in Palestine, September-November 1943.

Also included here is a little earlier correspondence, on the 'Jewish Force', December 1940.

For further material on Palestine, see G.543.

J.53-J.56

Correspondence and papers, 1944.

J.53 Cherwell's speech in House of Lords on postwar defence, 23 pp.
Includes background information, and correspondence.

J.54 Correspondence with Lord Melchett re incidents in Palestine.
Includes memoranda, affidavits, etc.

J.55 General correspondence.

J.56 Correspondence, papers and press-cuttings on 'The Poles in Russia', April 1944.

Politics and the Conservative Party

- J.57-J.61 Correspondence and papers, 1945.
- J.57 Correspondence, etc. with Churchill.
Includes invitation to join Churchill's Consultative Committee to discuss policy of the Opposition, correspondence and comments on speeches or articles on atomic weapons, nuclear power, etc.
- J.58 Correspondence with R.F. Harrod.
Mainly re Harrod's resignation from the Admiralty, and his campaign as a Liberal candidate for Huddersfield at the General Election; includes draft of speech, and correspondence re publications. (Harrod discusses his involvement with the Liberal party and his Huddersfield campaign in his 'personal memoir' The Prof, London 1959, pps.243-255.)
- J.59 Correspondence and papers on atomic energy.
Includes notices of meetings, correspondence re debate in House of Lords, letters from general public, etc.
- J.60 General political correspondence.
re Election results, V-bombs, Family Census, Palestine, etc.
- J.61 Article 'My visit to Russia' by Mrs. Churchill, describing her impressions of Russia on a visit as Chairman of the British Red Cross Aid to Russia Fund. 16 pp. dated May 1945 and sent to Cherwell, June 1945.

Politics and the Conservative Party

- J.62-J.67 Correspondence and papers, 1946.
- J.62 Correspondence, etc. with Churchill.
 Includes correspondence and comment on speeches,
 letters to press, etc., on India, economics, nutrition.
- J.63 Correspondence on House of Lords business.
 Budget debate, nationalisation of iron and steel, nutrition,
 Atomic Energy Bill, health service, India.
- J.64 Correspondence and papers on Palestine.
- J.65 Correspondence and papers on nutrition.
 Includes several requests for newspaper articles on the
 subject, arising from Cherwell's speeches in the House
 of Lords.
- J.66 Correspondence on atomic energy.
 Includes references to American affairs, committees,
 Coal Nationalisation Bill and Compensation Tribunal,
 meetings of Atomic Scientists, telegram from Baruch, etc.
 See also correspondence with J.L. Tuck, D.246.
- J.67 General political correspondence.
 r.e India, tanks, etc.

Politics and the Conservative Party

J.68-J.74 Correspondence and papers, 1947.

J.68 Correspondence, etc. with Churchill.

Mainly on coal situation, also India, economic affairs.

J.69 Correspondence on House of Lords business.

re Debates and speeches on food, Cotton Bill, coal
(includes draft speech), Industrial Organisation Bill,
Planning Bill.

J.70 Shorter correspondence on House of Lords affairs and
debates.

J.71 Correspondence with R.F. Harrod.

On economic affairs and production statistics; also
includes draft for an article by Harrod on international
control of atomic energy.

J.72 Correspondence and papers on nutrition.

Including correspondence arising from Cherwell's speeches
and letters to the press on the subject.

J.73 Letters from the general public about nutrition, and on
Cherwell's speeches and writings on the subject (not indexed).
See E.22 for a note on additional similar letters which have
not survived.

J.74 General political correspondence.

Includes request for reference to support E.G.R. Heath's
candidature as Conservative M.P., arrangements for
Cherwell to address 1922 Committee on food situation, etc.

Politics and the Conservative Party

J.75-J.83 Correspondence and papers, 1948.

J.75 Correspondence with Churchill.

Mainly notes provided by Cherwell for a broadcast by Churchill (on economic and production figures).

Also includes invitation to meeting to read King's Speech on the opening of Parliament.

J.76 Correspondence with Melchett.

Mainly on Palestine, and Anglo-Indian relations.

J.77 Correspondence with R.F. Harrod.

On economic planning, production, etc.

J.78 Correspondence with F. Pakenham (Longford).

On production figures; includes letters to press.

J.79 Correspondence with R.A. Butler.

On Conservative Party's draft 'Agricultural Charter'.

Includes Cherwell's comments on the draft.

J.80 Correspondence with Lord Winster, on Cyprus Airways.

J.81 Material relating to Radioactive Substances Act, 1948.

This measure was introduced in the House of Lords by Lord Inman on 24 April 1947, and was not accepted on its original terms, discussion being postponed at Cherwell's instance. A Sub-committee, chaired by Cherwell, was set up by the Atomic Scientists Association to consider the Bill and make recommendations. Cherwell also had consultations, on the basis of the Sub-committee's report, with officials on the re-drafting of the Bill, and with scientific colleagues on the wording.

The re-drafted Bill passed through the House of Lords in April 1948.

The material includes reports, memoranda and correspondence, 1947-48, and invitation, 1949, from the Minister of Health (A. Bevan) to Cherwell to serve on the Advisory Committee set up under the Act.

Politics and the Conservative Party

- J.82 General political correspondence, January-April.
 re power stations, petrol rationing, atomic science,
 Capital Punishment Bill, sterling balances, and
 other matters.
- J.83 General political correspondence, May-December.
 re food subsidies, defence, recruitment, etc.

Politics and the Conservative Party

- J.84-J.96 Correspondence and papers, 1949.
- J.84 Correspondence with Churchill.
 re technological education, atomic energy, devaluation,
 Masterman report, etc.
- J.85 Correspondence on House of Lords affairs.
 Brief correspondence with Simon re Finance Bill,
 and Mountbatten Private Bill.
- J.86 Correspondence on House of Lords affairs.
 Wireless Telegraphy Bill.
 Correspondence, memoranda, draft amendments, etc.,
 re radio interference, with special reference to North
 of Scotland Hydro-Electric Board.
 Includes letters of thanks for Cherwell's assistance in
 Committee and Report stages of Bill, and later material
 on Amendments to Bill.
- J.87 Correspondence on House of Lords affairs.
 Industrial Production Debate.
 Correspondence and background material.
- J.88 Correspondence with R.F. Harrod.
 Mainly on devaluation, balance of payments, etc.
 Includes draft of a note by Harrod on Keynes.
- J.89 Correspondence on devaluation.
- J.90 Correspondence on defence.
- J.91 Correspondence with Churchill on defence.
- J.92 Correspondence on nutrition.
- J.93 General political correspondence on housing, nationalised
 industries, Masterman report, etc.

Politics and the Conservative Party

J.94-J.96 Letters from the general public arising from Cherwell's
speeches and writings (not indexed), 1946-49.

3 folders:

J.94 Economics and Finance.

J.95 Petrol.

J.96 Coal, transport, education.

See J.73 for similar letters on food supplies.

Many similar letters were destroyed in the review of the
Cherwell papers in May 1965.

Politics and the Conservative Party

- J.97-J.105 Correspondence and papers, 1950.
- J.97 Correspondence with Churchill.
On atomic weapons.
Includes draft by Churchill of history of 'Tube Alloys' (wartime atomic bomb project), and a note by Cherwell on Anglo-American interchange of information on nuclear research.
- J.98 Correspondence with Churchill.
On economic affairs, 'invisible exports', European Payments Union, guided missiles.
- J.99 Comments on draft Conservative election programme, sent by Cherwell to R.A. Butler.
- J.100 House of Lords affairs.
re King's speech, Air debate.
- J.101 House of Lords affairs.
re Finance Bill; includes background information on European Payments Union.
- J.102 Correspondence with R.F. Harrod.
On economic affairs, especially European Payments Union and sterling convertibility.
Includes a little material re possible Parliamentary candidature for Harrod.
- J.103 Correspondence on economic affairs.
Mainly background statistics and information sent by Conservative Research Department.
- J.104 Correspondence on defence.
With officials, and with members of general public re inventions and devices.
- J.105 General political correspondence.

Politics and the Conservative Party

- J.106-J.118 Correspondence and papers, 1951.
- J.106 Correspondence with Churchill.
On defence, and organisation of British atomic energy research.
- J.107 Arrangements for journey to Washington in Churchill's party, January 1951.
- J.108 Autograph letter from Groves, 23 January, about events at Yalta conference, and other matters concerning development of atomic bomb, which he hoped Cherwell might pass on for him to Churchill.
- J.109 Reports and memoranda on defence matters, c.1951.
Also includes later correspondence, 1954, on FIDO at London Airport.
See also J.143.
See G.223-G.225 for wartime material re FIDO.
- J.110 Minutes between P.M. (Churchill) and Cherwell, November-December 1951.
On military and economic matters.
- J.111 Minutes between P.M. (Churchill), Cherwell and others, November 1951-May 1954.
On miscellaneous military and economic matters.
There is an itemised list of the Minutes inside the front cover of the folder.
- J.112 Correspondence with R.F. Harrod.
On economic affairs, revaluation, exports, etc.
Includes draft article by Harrod on revaluation, and press-cutting of article on disinflation.
- J.113 House of Lords affairs.
Mainly re Cherwell's contribution to debates on economic affairs, and written reply by Pakenham.

Politics and the Conservative Party

- J.114 Minutes and memoranda, on various economic topics, sent to Cherwell by Statistical Branch, mainly by G.D.A. MacDougall (Chief Adviser, Prime Minister's Statistical Branch).
Also includes Cherwell's memos. to ministers.
Material begins 1951 and continues to July 1953.
- J.115 Minutes and memoranda, on production, balance of payments and other economic topics, exchanged between Cherwell, ministers and Statistical Branch.
Material begins 1951 and continues to May 1953.
- J.116 Minutes exchanged between Cherwell and Members of the Government on various topics.
There is an itemised list of the Minutes inside the front cover of the folder.
Material begins 1951 and continues to July 1953.
- J.117 Correspondence on atomic energy/weapons.
Mainly with scientific colleagues, re affairs of Atomic Scientists Association, and re Fuchs case and security.
- J.118 General political correspondence.
On economics, defence; includes correspondence with President, Bell Telephone Laboratories re technical education and re Shockley's research.

Politics and the Conservative Party

- J.119-J.135 Correspondence and papers, 1952.
- J.119 Visit to Washington and Ottawa with Churchill, January 1952.
 Briefs and notes on defence, economics.
- J.120 Visit to Washington and Ottawa.
 Administrative arrangements, lists of participants at
 various functions, memorabilia, personal correspondence.
- J.121 Minutes for Churchill.
 Drafts on atom bomb tests in Australia, sterling con-
 vertibility.
- J.122 Minutes and memoranda between Churchill, Cherwell,
 ministers and officials, all topics, January-December.
- J.123 Minutes, notes and memoranda exchanged between Churchill,
 Cherwell, ministers and officials, mainly on economic affairs
 and sterling convertibility.
- J.124 Note on atomic energy.
- J.125 Minutes and memoranda exchanged between Cherwell,
 ministers and economic advisers, on economic affairs, balance
 of payments, etc.
 Material begins February 1952 and continues to June 1953.
- J.126 Memoranda sent to Cherwell by economic advisers, on inter-
 national wheat agreement.
 Material begins April 1952 and continues to June 1953.
- J.127-J.129 Three folders of minutes, notes and memoranda exchanged
 between Cherwell, Churchill, ministers and advisers, on
 economic affairs and sterling convertibility.
 There is some overlap of material and date between the
 folders, which remain in the order as received.
- J.127 November 1951-March 1953.
- J.128 July 1952-March 1953.
- J.129 February-July 1953.

Politics and the Conservative Party

- J.130 Correspondence with R.F. Harrod.
Letters and memoranda, mainly on sterling convertibility, 'dollar gap', Harrod's decision to abandon Parliamentary candidature.
- J.131 Correspondence with Chancellor of Exchequer requesting income tax relief for parents paying for private education.
Similar requests are included for 1953 and 1955.
- J.132 Correspondence re construction of power stations.
Mainly putting forward suggestions for cheaper and more rapid methods; a committee was set up, chaired by Sir Hugh Beaver, to enquire and report.
Includes drawings and memoranda.
Material continues to November 1953.
- J.133 Reports and papers on defence and State of the Nation.
- J.134 Correspondence re oxygen supplies for the Everest expedition planned for 1953.
- J.135 General political correspondence.
On economic affairs, visit of American atomic scientists, Marshall Scholarships, etc.

Politics and the Conservative Party

- J.136-J.144 Correspondence and papers, 1953.
- J.136 Correspondence with Churchill.
 On atomic energy, communist infiltration.
- J.137 Three-power meeting in Bermuda, with Churchill, December.
 Brief correspondence and programme of meetings.
- J.138 Minutes and memoranda exchanged between Churchill,
 Cherwell, ministers and officials, all topics, January-
 December.
- J.139 Papers and reports on economic and defence policies.
- J.140-J.142 Correspondence and papers on National Service.
 The material, which runs from February 1953 to August 1955,
 is mainly concerned with arrangements for deferment for
 scientists. Cherwell argued that deferment should be
 indefinite rather than tied to specific periods of research,
 or types of work. The correspondence deals with specific
 cases of researchers at the Clarendon Laboratory, and
 British scientists working overseas, as well as with the
 general principles of deferment in the national interest.
 The Technical Personnel Committee of the Ministry of
 Labour and National Service accepted the principle of
 indefinite deferment in March 1954, and the scheme was
 ready for implementation in March 1955.
- J.140 Draft White Paper on Defence and National Service, 1953.
- J.141 Correspondence and papers, 1953.
 Includes memo. on deferment by Zuckerman.
- J.142 Correspondence and papers, 1954-55.
 Includes copy of scheme for deferment as finally agreed.
- J.143 Correspondence and papers on FIDO.
 Mainly on costs and methods of installing fog dispersal
 device at U.K. airports, and comparison with American
 experience.
 Correspondence runs January 1953-June 1954, and includes
 memos. and reports.
 See also J.109.
 See G.223-G.225 for wartime material re FIDO.

Politics and the Conservative Party

J.144

General political correspondence.

Includes notes for speech introducing Harold (Later Lord) Watkinson at Oxford Conservative meeting, and letter thanking Cherwell for attending meeting in support of Oxford City Conservative candidate.

Politics and the Conservative Party

- J.145-J.149 Correspondence and papers, 1954.
- J.145 Correspondence with Churchill.
 On atomic affairs, South Africa.
 Includes request for Cherwell to attend Cabinet
 meeting, 7 July.
- J.146 Minutes and memoranda exchanged between Churchill,
 Cherwell, ministers and officials, all topics, January 1954-
 December 1955.
- J.147 Correspondence re atomic energy.
 Includes memo. by Cherwell on Oppenheimer, corres-
 pondence, etc. on salary scales for scientists, and on
 affairs of Atomic Energy Authority.
- J.148 General political correspondence.
- J.149 Cherwell's draft letters to colleagues on honours or
 appointments.

Politics and the Conservative Party

- J.150-J.153 Correspondence and papers, 1955.
- J.150 Correspondence on House of Lords affairs, questions and debates.
- J.151 Memos. by Cherwell, on Long-range Rocket Research, Russian Technology, sent to Churchill, 22 February.
- J.152 Correspondence and papers on atomic and nuclear energy.
 Includes paper on residual radioactivity (not by Cherwell), letter to Duchess of Marlborough on dangers of hydrogen bomb, etc.
- J.153 General political correspondence.

Politics and the Conservative Party

- J.154-J.157 Correspondence and papers, 1956.
- J.154 House of Lords affairs.
 re debates on nutrition, mining subsidence, international
 affairs.
- J.155 Correspondence, etc. on nuclear energy.
 Mainly on thermonuclear reactions, and on construction.
- J.156 Correspondence on defence matters.
- J.157 Shorter political correspondence.
 Includes Cherwell's message in support of L. Turner,
 Oxford Conservative candidate.
-
- J.158-J.160 Correspondence and papers, 1957 (to July only)
- J.158 House of Lords affairs.
 Question on University finance, debates on water
 resources, lung cancer.
- J.159 Correspondence, etc. on nuclear energy and fall-out.
- J.160 Shorter political correspondence.
 re Suez crisis.
 Undated ms. notes by Cherwell on economic affairs.

Politics and the Conservative Party

- J.161-J.163 Miscellaneous Conservative Associations.
- J.161 Oxford University Conservative Association,
1941-55 (and Canning Club).
Mainly correspondence with successive Presidents
and officers, re meetings and dinners, requests for
Cherwell to arrange visits by Churchill and Eden, etc.
- J.162 City of Oxford Conservative Association.

City of London Young Conservatives.

Shorter correspondence.
- J.163 Conservative Political Centre, 1948-55.
 re Conferences, Summer Schools, etc.
Cherwell addressed the Summer School on 'The Condition
of Britain' in 1948.

SECTION K PERSONAL AND SOCIAL CORRESPONDENCE K.1 - K.327

The material is presented in an alphabetical sequence. Shorter exchanges are grouped together in a single folder which may therefore include letters from more than one correspondent; more extensive exchanges, or material of particular biographical interest, are assigned a separate folder or folders with terminal dates and a brief indication of content.

Some of the exchanges are relatively trivial and consist of arrangements for social engagements or holidays, letters of thanks for visits to Cherwell at Christ Church or the Clarendon Laboratory, or for Cherwell's mediation in personal or university matters, and the like. Some references to political, military or scientific affairs occur, and in addition there are substantial exchanges of personal letters, with the Churchill and Melchett families, for instance, which complement the official correspondence elsewhere in the collection and indicate the close affectionate relations obtaining between Cherwell and his friends.

Cherwell was well known, not to say notorious, for his courting of aristocratic or 'Society' connections during the inter-war years. The surviving correspondence, while confirming the truth of the matter, also testifies to Cherwell's lasting personal popularity with his distinguished hosts and hostesses, his affection for and understanding of their young families, and the range of guests and interests made available to him under their roofs. In some cases, the letters offer interesting sidelights on changing social circumstances before, during and after the Second World War.

In his later years, Cherwell kept in touch with friends and acquaintances by diligently sending birthday greetings, or messages of congratulation on honours or appointments. Numerous examples survive.

All identifiable correspondents are indexed; some of the early letters are signed only with first or nick-names. Very few of Cherwell's own letters survive, presumably because no copies were kept of handwritten letters.

Personal and social correspondence

- | | | |
|------|---|------------------------|
| K.1 | Ab - Ad | |
| K.2 | Adrian, Edgar Douglas, 1st Baron | 1919, 1950, 1955 |
| K.3 | Ah - Al | |
| K.4 | Alexander of Tunis, Harold Rupert Leofric George,
1st Earl | 1944-54 |
| K.5 | Al | |
| K.6 | Amery, L. S. | 1934-50 |
| | Includes a little military and political material. | |
| K.7 | Anderson, John (later Viscount Waverley) | 1931-32, 1944,
1949 |
| | Includes correspondence with Viscountess
Waverley | 1944-45 |
| K.8 | An | |
| K.9 | Ar | |
| K.10 | Assheton, Ralph (later Clitheroe)
and
Assheton, N. | 1923, 1948-49 |
| K.11 | Astor | |
| K.12 | Astor, William Waldorf, 3rd Viscount | 1931-52 |
| | Correspondence 1936 and 1938 refers to air defence.
See also ASTOR FOUNDATION | |
| K.13 | The Athenaeum | 1930-56 |
| | General correspondence <u>re</u> nominations and
elections, including Churchill's election as
Honorary Life Member.

Includes Cherwell's certificate of election under
Rule III, 1930. | |
| K.14 | At - Ay | |
| K.15 | Ba - Bai | |
| | Includes correspondence, 1948, with C. Babington-
Smith <u>re</u> photographs of Churchill at Marrakech. | |

Personal and social correspondence

K.16	Bailey, S. N. Grant	1932-56
K.17	Bai - Ban	
K.18	Bar	
K.19	Barrington-Ward Correspondence with various members of the Barrington-Ward family.	
K.20	Bar - Bat	
K.21	Beatty, David, 1st Earl	1926-27
K.22	Beaverbrook, William Maxwell Aitken, 1st Baron General personal and social correspondence with some political material. Correspondence 1940 refers to a report, angrily denied by Cherwell, of his midnight meeting with the 'Londoner's Diary' reporter at the Savoy Grill.	1931-45
K.23	Bea - Beg	
K.24	Bel - Ben	
K.25	Bennett, E. Correspondence <u>re</u> an article about Cherwell commissioned from Bennett for <u>The Reader's</u> <u>Digest</u> . Includes 25 pp. draft of the article.	1952
	Benson, L.	1946
K.26	Berry, William Michael (later Baron Hartwell) Mainly <u>re</u> articles, letters, etc. contributed by Cherwell to <u>The Daily Telegraph and Morning</u> <u>Post</u> (see also Section E, <u>passim</u>).	n.d., 1946-57
K.27	Berry, Pamela Margaret Elizabeth (Wife of above, daughter of 1st Earl of Birkenhead) Personal and social correspondence, not all dated.	c.1930-57
K.28	Bes - Bet	
K.29	Bev	
K.30	Bi - Bin	

Personal and social correspondence

- K.31 Birkenhead, Frederick Edwin Smith, 1st Earl of
Includes card from Birkenhead re Chancellorship of Oxford (1925), telegram re illness of Cherwell's father, ms. note by Cherwell on the dispersal of Birkenhead's library (1930), letter re Last Essays (1930), correspondence re memorial bust of Birkenhead in Oxford Union Society (1932), letter to New Statesman defending Birkenhead (1957).
- K.32 Birkenhead, Margaret Eleanor (wife of above) 1923-53
Miscellaneous social and personal correspondence. Not all the letters are dated, and have been tentatively assigned from internal evidence.
See also K.275, K.27 for correspondence with Hon. Eleanor Smith, and Hon. Pamela (Berry, later Baroness Hartwell) daughters of the above.
- K.33 Birkenhead, Frederick Winston Furneaux Smith, ('Freddy'), 2nd Earl of c.1921-60
Birkenhead wrote biographies of his father, 1st Earl, of his sister, Lady Eleanor Smith, and of Cherwell (The Prof in two worlds, Collins 1961).
Mainly personal and social correspondence; the letters, which date from Birkenhead's schooldays at Eton, cover almost all stages of his career though not all are dated.
- K.34 Birkenhead, Sheila (wife of above) 1936-57
Personal and social correspondence.
Birkenhead, Frederick William Robin Smith, 3rd Earl of 1950
One letter (as Viscount Furneaux), thanking Cherwell for advice on tennis.
- K.35 Bismarck, Prince Fürst von 1933-36
- K.36 Bj - Bl
- K.37 Bod - Bor
- K.38 Bos
- K.39 Bov - Bra

Personal and social correspondence

K.40	Brabazon of Tara, John Theodore Cuthbert, 1st Baron	1938-56
	Correspondence of various dates, including some political references.	
K.41	Bracken, Brendan, 1st Viscount	1933-56
	Personal and social correspondence; some political matters are referred to.	
	Correspondence 1948 includes Cherwell's recom- mendation of F.E. Simon as scientific correspondent of <u>The Financial Times</u> .	
K.42	Brad - Bre	
K.43	Bridges, R. and Bridges, Edward, 1st Baron	
K.44	Brinton	c.1926-28
K.45	Bro	
K.46	Bru	
K.47	Buch	
K.48	Buck - But	
K.49	Butler, Richard Austen, Baron	1953-56
	Mainly personal correspondence; includes correspondence, 1955, re Cherwell's retention of flat on the top floor of 11 Downing Street during his service as Paymaster-General.	
K.50	But - Buz	
K.51	Ca - Cai	
K.52	Calder, Peter Ritchie (later Baron Ritchie-Calder)	1955
	Mainly correspondence with lawyers re account of 'H2S' given in Calder's book <u>Science makes sense</u> and challenged by Cherwell.	
K.53	Cal - Cam	
K.54	Camrose, William Ewert Berry, 1st Viscount and Mary Agnes (Dolly)	1930-53 c.1935-39, 1953
K.55	Can - Car	

Personal and social correspondence

K.56	Cas	
K.57	Cat - Ce	
K.58	Chamberlain, Sir Austen	1927-35
	Includes letters from Lady Chamberlain and daughters.	
K.59	Cha - Che	
K.60	Chetwynd, R.	1920-55
	Includes some correspondence with A. Chetwynd (mother).	
K.61	Cho - Chu	

Personal and social correspondence

K.62-K.77 Churchill, Sir Winston Spencer, 1923-57
and members of the Churchill family

Cherwell met Churchill in August 1921, through the Duke and Duchess of Westminster (see K.308).

He became and remained a close personal friend of the family, and Churchill himself rapidly formed the practice of consulting him on many subjects - history, current affairs, drafts of speeches and articles, or the mechanics of the water-garden at Chartwell. The earliest dated letter from Churchill is 1924; some are signed by secretaries. Some of the letters were originally accompanied by reports, letters or documents on which Cherwell's advice was sought, but which have not survived.

See Sections F, G and H for Cherwell's memoranda, charts, etc. as Personal Assistant to Churchill and Head of Statistical Section, and later as Paymaster-General during the Second World War.

See Section J passim for exchanges on political affairs.

See A.56, A.58 for correspondence re Cherwell's service in Churchill's Government.

- K.62 1924-26
Includes telegrams re Cherwell's 'volunteers' in General Strike.
- K.63 1927-29
Includes letter from Trenchard on bombing accuracy; correspondence re water-garden at Chartwell; miscellaneous requests for information from 'a fountain of erudition'.
- K.64 1930-31
- K.65 1932-33
Includes plans for tour of battlefields.
- No correspondence survives for 1934
- K.66 1935-36
- K.67 1937-38

Personal and social correspondence

- | | | |
|---------------|---|--|
| K.68 | 1939-43 | |
| | | Includes various letters sent to Churchill and passed on by him to Cherwell. |
| K.69 | 1946-51 | |
| | | Includes various exchanges <u>re</u> Churchill's history of the war, and correspondence, 1950-51, <u>re</u> mortars. |
| K.70 | 1952-55 | |
| | | Includes letter, 25 June 1953, <u>re</u> Churchill's stroke. |
| K.71 | 1956 | |
| | | Includes comments on Churchill's 'History of the English-Speaking Peoples'. |
| K.72,
K.73 | Churchill, Clementine Ogilvy
(later Baroness Spencer-Churchill of Chartwell) | 1923-57 |
| | | Social and personal letters, mainly <u>re</u> visits, holiday plans, family affairs; several of the later letters concern Churchill's birthdays, and gifts chosen by Lady Churchill for her husband, on Cherwell's behalf. |
| | | Includes a letter from Lady Eden (later Avon) about her husband, 1957. |
| | | Many of the letters have no year in their date, and have been placed approximately. |
| K.72 | 1923-49 | |
| K.73 | 1950-57 | |
| K.74 | Churchill, Diana (Mrs Duncan Sandys) | 1927-35 |
| | Churchill, Mary (Lady Soames) | 1936-56 |
| | Churchill, Sarah (Mrs Oliver, later Mrs Beauchamp) | c.1925-52 |
| K.75 | Churchill, Randolph Frederick Edward Spencer | c.1925-1957 |
| | | General personal correspondence <u>re</u> visits, studies at Eton and Oxford (Cherwell lent Randolph Churchill money to pay off his debts), Randolph's biography of his father, etc. |
| K.76 | Miscellaneous shorter correspondence and printed matter <u>re</u> Churchill (requests, presentations) and the Churchill family. | 1950-56 |
| K.77 | Miscellaneous correspondence <u>re</u> financial arrangements, Trusts and endowments for the Churchill family. | 1948-57 |

Personal and social correspondence

K.78	CI	
K.79	Coc	
K.80	Colville, Sir John	1947-55
K.81	Com - Coo	
K.82	Cor - Cox	
K.83	Cra - Cri	
K.84	Cro	
K.85	Cu	
K.86	d'A - Da	
K.87	Dav - Dea	
K.88	de B - Den	
	Includes correspondence with Marquise de Huppé (née Broglie).	
K.89-K.91	de Pange, Jean and members of the de Pange family	1912-56
	Count Jean de Pange married Pauline, sister of Maurice, duc de Broglie (q.v.). They had three sons, François, Maurice (d.1927) and Victor, whose studies at Oxford were actively encouraged by Cherwell. The greater share of the correspondence is from Pauline, but Cherwell was on friendly terms with the whole family.	
	The correspondence deals with general family matters, including Cherwell's visits to the family home at Broglie.	
K.89	de Pange, Jean, comte de Pange	1913-55
K.90	de Pange, Pauline, comtesse de Pange	1912-56
	The letters are signed 'Broglie-Pange' or (later), 'B.P.'.	
K.91	de Pange, François	1938
	Maurice (d.1927)	1921
	Victor	1938, 1947-56
	Includes material re Victor de Pange's period as a graduate student at Oxford, his marriage, etc.	

Personal and social correspondence

K.92	d'Erlanger, L. F. A.	1941
K.93	de Rochetaillée, B. Comtesse (Mother of Camille, who married Maurice de Broglie (q.v.))	1913-21
	de Rochetaillée, F.	1926
K.94	de Savitsch, E.	1956
K.95	Desborough, Lady Ethel Includes message from Comtesse de Pange (q.v.) transmitted via Red Cross and Lady Desborough to Cherwell, 1943.	1927-49
	Desborough, William Henry Grenfell, 1st Baron Included here are letters from the Desboroughs' daughters, Imogen and Alexandra ('Mogs', later Viscountess Gage) Grenfell	1930-35
K.96	De - Di	
K.97	Do - Dor	
K.98	Dou	
K.99	Dow - Dun	
K.100	Duncan, C. J. re projector for Cherwell's slide and photograph collection.	1954-56
K.101	Dun - Duv Includes material re proposed portrait of Churchill by John, and a portrait of Einstein.	
K.102	Ec - Ed	
K.103	Eden, Robert Anthony (later 1st Earl of Avon) Includes some political references, and some correspondence with other members of the family.	1953-57
K.104	Ed - Eld	
K.105	Elliot, Katharine, Baroness	1946, n.d.
	Elliot, W.	1932-38, 1946

Personal and social correspondence

K.106	El - Em	
K.107	Emmet, Evelyn Violet Elizabeth, Baroness	1941-57
	Includes correspondence, 1957, <u>re</u> solar energy project in Malta, for which Cherwell recommended Prof. Harold Heywood.	
	Emmett, D.	1946-48
K.108	Emm - Eu	
K.109	Ev	
K.110	Fa	
K.111	Fe - Ff	
K.112	Fi - Fis	
K.113	Fitz Alan, Viscount and members of the Fitzalan family	1934-44 1930-40
	Includes some political references.	
K.114	FitzGerald, Amelia (Lily), Lady	1926-47
	Mainly social, but includes letters from Vera and Chaim Weizmann.	
K.115	Fle	
K.116	Fo	
K.117	Fra	
K.118	Fre - Fro	
K.119	Fry, C. B.	1941, 1955-56
K.120	Fu	
K.121	Ga - Gan	
K.122	Gar	
K.123	Gas - Ge	
K.124	Gi	

Personal and social correspondence

- | | | |
|-------|---|---------------------|
| K.125 | Gladwyn, Hubert Miles, Baron
and
Gladwyn, Cynthia, Lady | 1947-53

1946 |
| K.126 | GI - Goll | |
| K.127 | Goo

Includes correspondence, 1941, with A. L. Goodhart about the serious illness of Kathleen Thomson, and the posting of G.P. Thomson as Scientific Liaison Officer to Canada. | |
| K.128 | Graebner, W. | 1948-53 |
| K.129 | Gra

Includes correspondence, 1946, with L.S. Amery <u>re</u> wartime activities. | |
| K.130 | Gravem, A. B.

General correspondence, mainly personal but with some scientific references and comments on Anglo-American politics.

Gravem was an American lawyer; a keen tennis-player, he had been a fellow guest with Cherwell at tennis parties at Charlton, home of the Birkenhead family.

During the 'austerity' years after the Second World War, Gravem sent regular supplies of chocolates to Cherwell, who had a sweet tooth among many idiosyncrasies of diet. | 1938, 1948-57 |
| K.131 | Greville, Dame Margaret Helen Anderson (Hon. Mrs Ronald Greville)

Social and political correspondence, much of it addressed from Polesden Lacey, the house which Mrs Greville restored and which now belongs to the National Trust. | 1926-40 |
| K.132 | Gri | |
| K.133 | Gro | |
| K.134 | Grosvenor, R. A. (Robin)
and
Grosvenor, Doris May | 1933-49

1953 |
| K.135 | Gro-Gu | |

Personal and social correspondence

- | | | |
|-------|---|---------|
| K.136 | Guest | |
| K.137 | Guinness | |
| | Correspondence with various members of the family.
Includes correspondence, 1936, <u>re</u> analysis of
oil samples. | |
| K.138 | Gu - Gw | |
| K.139 | Had - Hal | |
| K.140 | Ham - Hard | |
| K.141 | Harg - Harr | |
| | Includes correspondence, 1945-46, with Sir Arthur
(<i>'Bomber'</i>) Harris. | |
| K.142 | Harrod, Sir Roy | 1926-56 |
| | Harrod was one of Cherwell's oldest associates, at
Christ Church and at 'S Branch' (later the Prime
Minister's Statistical Section) during the Second World
War until 1942; in 1959 he wrote <u>The Prof. A</u>
<u>Personal Memoir of Lord Cherwell</u> . | |
| | The correspondence consists of personal and social
exchanges, with some reference to university or
political matters. | |
| | See the Index of Correspondents for many other refer-
ences to correspondence with Harrod. | |
| K.143 | Hart | |
| K.144 | Harvey, I. D. | 1935-56 |
| K.145 | Has - Hea | |
| K.146 | Heathcote-Smith, C. E. | 1955 |
| | <u>re</u> proposed Commonwealth Institute of Technology. | |
| K.147 | Hea - Hen | |
| K.148 | Het - Hey | |
| K.149 | Hi | |
| K.150 | Ho - Hod | |
| K.151 | Hogg | |

Personal and social correspondence

K.152	Hol	
K.153	Hom - Hoo	
K.154	Hope, Lord Charles	1929-40
	Mainly <u>re</u> psychic phenomena.	
K.155	Hop	
	Includes correspondence, 1934, on Britain's dollar debts.	
K.156	Hor	
K.157	How - Hull	
K.158	Hum - Hut	
K.159	Hutt - Hyde	
K.160	Il - In	
K.161	Ismay, Hastings Lionel, ('Pug'), Baron	1943-54
	Includes some wartime recollections and some correspondence with Lady Ismay.	
K.162	Iveagh, Rupert, 2nd Earl of	1930
K.163	Jac	
K.164	Jam - Je	
K.165	Jefferis, Sir Millis	1943-55
	Includes references to work done by Jefferis and M.D.1, copies of letters by Cherwell to Melchett and Rowan on the subject, and a letter to Jefferis (12 August 1946) on possible future role for M.D.1 in atomic energy.	
K.166	Je - Joh	
K.167	Johnstone, Margaret Montague	1941-55
	Mrs Johnstone was Cherwell's chauffeuse in the early part of the war, and remained on very friendly terms with him.	
K.168	Jon - Jow	

Personal and social correspondence

K.169	Ka - Kei	
K.170	Kel - Key	
K.171	Ki - Ko	
K.172	Lai - Lanc	
K.173	Lang - Lau	
K.174	Lauwerys, J. A.	1932-39
K.175	Law - Lee	
K.176	Legg, L. G. Wickham, and others	1947-48, 1951
	Correspondence 1951 refers to the circumstances of the death of the actor Leslie Howard in 1943, for an entry in the <u>Dictionary of National Biography</u> of which Legg was then Editor.	
K.177	Legh - Len	
K.178	Lennox-Boyd, Alan Tindal (later Viscount Boyd of Merton)	c.1930-47
	Includes some correspondence with Viscountess Lennox-Boyd.	
K.179	Le - Li	
K.180	Lindsay, Elizabeth Patricia	1935-36
	Includes one letter from Crawford (father) 1936	
K.181	Li - Ll	
K.182	Ll - Lo	
K.183	Londonderry, Charles Henry, 7th Marquess of	1929-36, 1947
	Correspondence 1932 refers to a proposed prize for smooth flying in aircraft; correspondence 1933 refers to economic situation and 'divided budget'.	
	Letter of 1947 is accompanied by copies of letters by Londonderry to von Papen and to Halifax, 1939, about Anglo-German relations in the 1930s.	

Personal and social correspondence

- | | | |
|-------|---|-----------|
| K.184 | Londonderry, Edith, Marchioness of | c.1930-56 |
| | Several letters are addressed to 'My dear Philosopher'. | |
| | Includes correspondence from Helen and Mairi (daughters), and photographs of Cherwell. | |
| K.185 | Lo | |
| K.186 | Lubin, I. | 1943-46 |
| | Correspondence 1943 includes report by Lubin on merchant and escort shipping losses, with comments and correspondence arising. Correspondence 1946 refers to completion by Robert Sherwood of Harry Hopkins's projected work on Roosevelt left unfinished at his death. | |
| K.187 | Lu | |
| K.188 | Ly | |
| | Includes correspondence, 1934, <u>re</u> Mendeleev's daughter. | |
| K.189 | Mab - Mac | |
| K.190 | Macmillan, Sir Harold | 1953-57 |
| | Correspondence December 1955 refers to Cherwell's occupancy of the two top floors of 11 Downing Street, from which he removed his 'gear' when Macmillan became Chancellor of the Exchequer. | |
| K.191 | Mac - Mag | |
| K.192 | Makins, Roger Mellor (later Sherfield) | c.1934-56 |
| K.193 | Mal - Man | |
| K.194 | Manning, Olga Mary, Lady | 1953-57 |
| K.195 | Mar | |
| | Includes memorandum by Cherwell on the economic situation, 1932, sent to D. Margesson. | |

Personal and social correspondence

K.196	Marlborough, Gladys Marie, 9th Duchess of Not all dated.	c.1921-28
	Marlborough, Mary, 10th Duchess of	1934-36
K.197	Mar	
K.198	Masaryk, Frances	1929-30
K.199	Masaryk, Jan Personal correspondence; includes some printed matter on Czech-German relations.	1938
K.200	Masterman, Sir John	1938-54
K.201	Mau	
K.202	Max-Muller, Sir William Correspondence 1919 includes letter <u>re</u> readership in meteorology at Oxford.	1919-31
	Max-Muller, Wanda, Lady	1927-56
K.203	Max - Meh	
K.204	Melchett, Amy Gwen (wife of Henry) Includes some material <u>re</u> financial settlements.	1936-56
	Melchett, Henry Mond, Baron Includes letter <u>re</u> Cherwell's obituary notice of Derek Mond (q.v.), 1945.	1933-45
	Melchett, Violet (mother of above)	1931, 1936
	See also Mond	
K.205	Men	
K.206	Merton, Sir Thomas Includes correspondence with various members of the family.	
K.207	Midleton, Madeleine, Lady Includes letter, 1936, from Earl Midleton.	1932-56

Personal and social correspondence

K.208	Mill	
K.209	Mil - Min	
K.210	Miramon, Marquise de Lesseps	1917-39
	Miramon, Marquis de	1954
K.211	Mir - Mit	
K.212	Mob - Mon	
K.213	Mond, D. J. H.	1938-46
	Derek Mond was the eldest son of Lord Melchett; he was killed in a flying accident in April 1945, aged 22.	
	Includes correspondence with other members of the family, and the obituary notice of Mond by Cherwell for <u>The Times</u> .	
K.214	Mont	
K.215	Moo - Morg	
K.216	Morr - Mort	
K.217	Mos - Mul	
K.218	Mun - Mur	
K.219	Murray, Gilbert and Murray, Lady Mary	1935, 1938
	Mainly material <u>re</u> meetings and activities to help refugees.	
K.220	Mu	
K.221	Na - Nel	
K.222	Nett - No	
K.223	Nuffield, William, Viscount	1939, 1941, 1947-48
K.224	Nye, Sir Archibald	1941, 1946, 1948
	Includes correspondence, 1941, <u>re</u> use of manpower in the Army.	

Personal and social correspondence

- | | | |
|-------|---|---------------|
| K.225 | O'B - O'C | |
| K.226 | Oe - Or | |
| K.227 | Ow | |
| K.228 | Pag | |
| K.229 | Pakenham, Francis Aungier (later 7th Earl of Longford) | 1931-46, 1951 |
| | Pakenham's letter August 1940 refers to a projected biography of Churchill by Pakenham. | |
| K.230 | Pak | |
| K.231 | Pam, A. | 1946-55 |
| | Correspondence 1951 refers to Pressed Steel Research Fellowships at Oxford. | |
| | Correspondence 1955 relates to 80th birthday dinner arranged by Cherwell for Pam, with list of guests, etc. | |
| K.232 | Par | |
| K.233 | Parliamentary and Scientific Committee | 1942, 1948-56 |
| | Cherwell was a Vice-President. | |
| | General correspondence <u>re</u> meetings and activities. | |
| K.234 | Par - Pau | |
| K.235 | Pe - Ph | |
| K.236 | Pi | |
| K.237 | Pl | |
| K.238 | Pol | |
| K.239 | Portal, Charles Frederick Algernon, ('Peter')
1st Viscount | 1946-48 |
| K.240 | Portland, Winifred, 6th Duchess of | 1928-54 |
| | Portland, William John Arthur, 6th Duke of | 1936 |
| | Many of the Duchess's letters describe house-parties at Welbeck and her social activities before and during the Second World War (when Welbeck was used as Headquarters of the Guards Armoured Division). | |

Personal and social correspondence

K.241	Postan, M. Correspondence <u>re</u> Postan's official History of Munitions, and <u>re</u> Cherwell's private papers.	1945-50
K.242	Pou - Pow	
K.243	Pr	
K.244	Pu - Q	
K.245	Rad - Rat	
K.246	Raw - Rea	
K.247	Reading, 2nd Marquess	1953
	Reading, Stella, 1st Marchioness of (later Baroness Swanborough)	1933-41
K.248	Red - Rey	
K.249	Ri	
K.250	Roberts, Irene	c.1929-31
K.251	Rob	
K.252	Rob	
K.253	Rochefort, Sacha de Nephew of Maurice de Broglie.	1931
	Rochetaillée-Broglie, Camille Wife of Maurice de Broglie. Includes some account of de Broglie family affairs during First World War.	1914-26, 1944
K.254	Roc - Roo	
K.255	Rootes, William, Baron	1942, 1955-56
K.256	Ros	

Personal and social correspondence

- | | | |
|-------|---|------------|
| K.257 | Rothermere, Esmond Cecil Harmsworth,
2nd Viscount | 1941-48 |
| | Correspondence 1941 includes long ms. memorandum
by Rothermere on Britain's military situation at the
time. | |
| K.258 | Rothermere, Harold Sidney Harmsworth,
1st Viscount | 1936-39 |
| K.259 | Rothschild | |
| | Correspondence with various members of the
Rothschild family. | c.1934-53 |
| K.260 | Rou - Row | |
| K.261 | Row - Roy | |
| K.262 | Rumbold, Etheldred, Lady | c.1930-38 |
| | Sir Horace Anthony Claude | 1933, 1951 |
| | Sir Horace George Montague | 1935-39 |
| | Includes some political references. | |
| K.263 | Run - Ry | |
| K.264 | Sadd - Sal | |
| K.265 | Sam - San | |
| K.266 | Sar - Sca | |
| K.267 | Schicht, G. | 1937-38 |
| | Schicht, R. | 1937-41 |
| | The Schicht family were friends of Jan Masaryk,
from whom a letter of introduction is included. | |
| K.268 | Sch - Sco | |
| K.269 | Scrymgeour-Wedderburn, Henry James (later
Earl of Dundee) | c.1930-51 |
| | The letters are signed 'Jim Wedderburn' or 'Jim'. | |
| K.270 | Sec - Selb | |
| K.271 | Selk - Sha | |

K.272	She - Si	
K.273	Simon, John Allsebrook, Viscount	1926-49
	Includes correspondence and material relating to enquiry into R101 disaster, 1930-31, with Cherwell's notebook of his notes, observations and queries taken during the enquiry, and Simon's letters forwarding sections of his Report for comment by Cherwell. (See also C.59.)	
	Also includes correspondence 1932-33 on economics.	
	Some correspondence with Kathleen Simon and Gilbert Simon (son) is also included.	
K.274	Sim - Sm	
K.275	Smith, Lady Eleanor (eldest daughter of 1st Earl and Countess of Birkenhead)	c.1924-41
	Lady Eleanor is credited by her brother with the invention of the nickname 'the Prof' by which Cherwell came to be addressed by the majority of his correspondents. (See Birkenhead, <u>The Prof in two worlds</u> , pp.128-29.)	
K.276	Sm	
K.277	Soren, Peter Mackay, Baron	1940-43
	Soren escaped from France in June 1940, and the correspondence refers to various proposals for resistance in France, and propaganda for the Allied cause in the United States.	
K.278	So - Sp	
K.279	Stallybrass, W. T. S.	1943, 1947
K.280	Stan - Stap	
K.281	Steel-Maitland, K. R. F.	1934-45
K.282	Stei - Stet	
K.283	Stev - Sti	

K.284	Sto - Stra	
K.285	Strauss, L. L.	1953-57
	Includes some political recollections.	
	Correspondence in 1957 refers to Cherwell's recommendation of Strauss for an Honorary Degree at Oxford.	
K.286	Stu - Swe	
K.287	Swi - Sy	
K.288	Ta	
K.289	Te - Thom	
K.290	Thomp - Ti	
K.291	To	
K.292	Townsend, Mary Georgiana	1921-57
	Lady Townsend was the wife of Sir John Townsend, Wykeham Professor of Physics, Oxford; she was active in Conservative politics in Oxford, and the correspondence includes political references as well as personal matters.	
	Includes letters from Sir John Townsend and John Townsend (son).	
K.293	Toynbee, A. J.	1920, 1933
	Correspondence on the periodicity of nomad migrations; includes 5 pp. memorandum by Cherwell on the subject.	
K.294	Tre	
K.295	Trevor-Roper, Hugh Redwald (later Lord Dacre)	1942-57
	Correspondence 1942 refers to wartime work; correspondence 1946 refers to Trevor-Roper's book <u>The Last Days of Hitler</u> , which he sent to Cherwell in proof for comment.	
K.296	Tro - Ty	
K.297	U	
K.298	Va	

Personal and social correspondence

- | | | |
|-------|---|-----------|
| K.299 | Veale, Sir Douglas | 1933-54 |
| | Veale was Registrar of Oxford University.
Personal and social correspondence. | |
| K.300 | Vickers, Katharine A. | c.1920-29 |
| | (wife of D. Vickers, q.v.) | |
| K.301 | Von B | |
| K.302 | von Ilseemann, S. | 1930-54 |
| | Mainly <u>re</u> Ilseemann's attempts to adopt British nationality after the Second World War, in which he had been forced to join the German army, captured and interned.

Cherwell's efforts on his behalf, and personal intervention by letter or in person, have been referred to by Birkenhead (<u>The Prof in two worlds</u> , pp.272-3).

Includes some early family correspondence, 1930-37, with political references. | |
| K.303 | Wa - Walker | |
| K.304 | Wal | |
| K.305 | War - Wat | |
| K.306 | Wat - Webb | |
| K.307 | Wee - West | |
| K.308 | Westminster, Hugh Richard Arthur Grosvenor, ('Bendor'), 2nd Duke of, and members of his family | 1921-53 |
| | Cherwell's close personal friendship with the Duke and his family is well known. Through a tennis party at their estate at Eaton in 1921 he met Churchill for the first time; the Duke, through Cherwell's persuasion, supported a Research Fellow at Christ Church, Oxford.

The folder includes correspondence with Westminster, his second wife Violet Mary (1921 - includes programme of the tennis party in which Cherwell's name is wrongly spelled, and his letter of thanks referring to the Churchill meeting), Barbara (1927-28), Ursula (1928-37), Isolde (1930), Nancy (Anne), 4th wife of Westminster (1949-c.1953). | |

Personal and social correspondence

K.309	Wey - Whip	
K.310	Whit	
K.311	Wig - Wills	
K.312	Wilson	
K.313	Wimborne, Alice, Viscountess	1931-35
K.314	Win - Wol	
K.315	Wood - Wri	
K.316	Wright, E. M.	
K.317	Wri	
K.318	Ya	
K.319	Yates-Fish, N. L. and M.	1947-55
K.320	Yo - Ze	
K.321	Zuckerman, Solly, Baron	1944, 1950-56
	Correspondence 1944 refers to wartime matters.	
K.322	Zu	

K.323-K.327 Shorter unindexed correspondence

K.323	Shorter social and personal correspondence, some with tentative attributions (1980) by M. MacLagen.	
K.324	Requests for references and recommendations for posts, from universities, firms, organisations.	1936-56
K.325	Unidentified social and personal correspondence.	
K.326	Letters of congratulation (Cherwell's carbons only).	
K.327	Miscellaneous social invitations and acceptances.	

CONSPECTUS OF FILE NUMBERS

As explained in the General Introduction, the Conspectus was compiled to assist readers and researchers who had already consulted and made reference to Cherwell's papers on the basis of the 1965 - 66 outline list.

The Conspectus relates the OFF. (= Official) numbers, which are listed in the left-hand column, to the present item-numbers, which are listed on the right. The presence of an item-number indicates that the folder of that number in the present catalogue includes one or more pieces which had originally been in the OFF. file. Every document in question can be identified by the former OFF. number in pencil at the head.

Exact duplicates have been discarded in order to ease pressure on library space. When, as frequently happened, multiple copies were taken with the result that a letter or document might feature in one or more OFF. (and sometimes also PERS.) files, all the relevant OFF. numbers appear on the remaining paper.

It will be seen that the contents of many of the OFF. files (e.g. OFF. 21.1, 38.1) are now widely distributed; that is because they were often unmanageably large and (correctly) designated 'miscellaneous' or 'general correspondence'. Conversely, many of the present folders have been assembled from a variety of OFF. and PERS. files; examples of this are G.26, G.28 (on the size of the German Air Force), D.23, D.24 (correspondence with M. Born), D.194 (correspondence with A.P. Rowe), D.245, D.246 (correspondence with J.L. Tuck), K.40 (correspondence with Brabazon of Tara), K.186 (correspondence with I. Lubin). It is hoped that the smaller size and more rational arrangement of the present folders will make the material simpler to use.

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
1.1 I	F.88, F.95 - F.97
1.1 II	F.89, F.98 - F.105, F.239 G.1, G.2
1.1 III	F.89, F.106 - F.117, F.241 G.364
1.1 IV	F.89, F.118 - F.124 G.357
1.1 V	F.90, F.125 - F.131
1.1 VI	F.90, F.132 - F.137 G.52, G.400
1.1 VII	F.220, F.221, F.231
1.1 VIII	F.222, F.223
1.1 IX	F.90, F.138 - F.145 G.511 H.72
1.1 X	F.90, F.146 - F.151
1.1 XI	F.91, F.152 - F.155 H.97
1.1. XII	Missing. See note at F.156

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
1.1 XIII	F.91, F.157 - F.162 H.12
1.1 XIV	F.91, F.163 - F.168, F.239 H.97
1.1 XV	F.92, F.175 - F.182 H.98, H.215
1.1 XVI	F.92, F.169 - F.174
1.1 XVII	F.92, F.183 - F.189
1.1 XVIII	F.93, F.190 - F.195 G.325
1.1 XIX	F.93, F.196 - F.202
1.1 XX	F.93, F.203 - F.205
1.1 XXI	F.94, F.206 - F.210 H.18
1.1 XXII	F.94, F.211 - F.215
1.1 XXIII	F.94, F.216
1.1 (D) Pt.1	F.217
1.1 (D) Pt.2	F.218
1.1 (D) Pt.3	F.229 - F.239 G.515 H.63, H.95, H.96, H.215, H.284

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
1.1 (D) Pt.4	F.219
1.1 (D) Pt.5	F.240
1.1 (D) Pt.6	F.224
1.1 (D) Pt.7	F.225
1.1 (D) Pt.8	F.226
1.1 (D) Pt.9	F.91, F.156
1.1 (D) Pt.10	F.227
1.1 (D) Pt.11	F.228
1.2	F.230, F.231, F.239 G.538
1.3	F.65, F.241 G.146
3.1	F.232, F.235, F.241 - F.252 G.324 H.7, H.231, H.248
5.1	F.235, F.236, F.238, F.239, F.410 G.542 H.94
5.2	G.85, G.227, G.403, G.503, G.506, G.508 H.50, H.59, H.98, H.100

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
5.3	F.237 G.513 - G.516
5.4	G.367, G.513 - G.516, G.521, G.544 H.83, H.89, H.91, H.139
5.5	G.162, G.362
5.6	G.225
5.7	G.165, G.166, G.364, G.366 - G.370, G.372
5.8	G.165, G.166, G.268, G.270, G.357 - G.360, G.503
5.9	F.70, F.71, F.237 G.156, G.363, G.503, G.504, G.506, G.509
5.10	G.157
5.11	G.518 - G.520
5.12	F.233 G.227 H.7
5.13	G.308
6.1	G.324
6.2	G.230
6.3	G.12, G.60, G.61, G.63, G.66, G.68, G.69, G.71, G.73, G.75, G.77, G.142, G.145

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
6.4	G.85, G.87
6.5	G.78, G.540
6.6	F.392
6.7	G.154, G.179, G.181, G.182, G.188 - G.191, G.194 - G.197, G.199, G.203, G.209, G.351
6.8	F.266 G.179, G.181, G.184, G.188, G.195, G.197 - G.199, G.202 - G.205, G.208, G.209
6.9	G.89, G.113, G.149, G.178, G.182, G.187 - G.189, G.191, G.193, G.197, G.198, G.200 - G.203, G.521
7.1	G.75, G.99, G.152, G.524
7.2	G.144
7.3 Pt.1	G.1, G.2, G.4 - G.7, G.9, G.10, G.13, G.14, G.18, G.21, G.22, G.28, G.33, G.40, G.48, G.53, G.58 - G.60, G.62, G.63, G.65, G.67 - G.70, G.72, G.77, G.97, G.177, G.541
7.3 Pt.2	G.4, G.5, G.7, G.18, G.19, G.22, G.26, G.27, G.48, G.50, G.60, G.63, G.64, G.70 - G.72, G.77
7.3 Pt.3	G.26, G.28, G.34, G.36, G.38, G.43
7.4	G.221

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
7.5	G.142, G.143, G.145, G.374
8.1	F.72 G.4, G.5, G.7 - G.14, G.20, G.22, G.23, G.26 - G.29, G.35, G.36, G.38 - G.46, G.52, G.54, G.55, G.57 H.82, H.84, H.95
8.2	G.20, G.21, G.24 - G.26, G.28, G.33, G.35, G.38, G.40, G.41
8.3	G.8, G.12, G.18 - G.20, G.27 - G.30, G.33, G.35, G.37, G.38, G.41, G.43, G.44, G.46, G.48, G.50, G.52, G.53, G.54, G.56
8.4	G.30 - G.32, G.35, G.38
8.5	G.3, G.6, G.8, G.10, G.19, G.27, G.29, G.33, G.48, G.50, G.56, G.92
9.1	G.45, G.48, G.52, G.57, G.62, G.67, G.77, G.78
9.2	G.62, G.70, G.71, G.77 H.80
9.3	G.60 H.67, H.68, H.70 - H.73, H.93, H.94, H.97, H.103
9.4	H.93
10.1 Pt.1	G.1 - G.10, G.12, G.13, G.15, G.27, G.28, G.33, G.47, G.49 - G.51, G.56, G.64, G.90, G.91, G.207

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
10.1 Pt.2	G.2, G.8, G.10, G.12 - G.17, G.22, G.24, G.26 - G.28, G.30, G.33, G.35, G.43, G.45, G.46, G.50, G.92
10.1 Pt.3	G.45, G.46, G.48 - G.52, G.56, G.60 - G.66, G.70, G.77
10.2	G.2, G.4, G.6 - G.10, G.12 - G.14, G.22, G.27, G.35, G.43, G.46, G.58, G.61 - G.63, G.68, G.70, G.71, G.78, G.92, G.94, G.95, G.145
11.1 Pt.1	B.38 D.4, D.131, D.229, D.242 F.72, F.410, F.417 G.80, G.91, G.98 - G.100, G.152, G.164, G.181, G.188, G.209, G.214, G.222, G.228, G.230, G.240, G.241, G.250, G.318, G.320, G.334, G.335, G.353, G.362, G.390, G.409, G.442, G.458, G.489, G.498
11.1 Pt.2	D.132, D.193, D.243 F.70, F.72, F.231, F.241, F.408 G.43, G.45, G.56, G.57, G.65, G.81, G.93, G.98, G.99, G.153, G.186, G.188, G.219, G.222, G.223, G.236, G.321, G.322, G.341, G.355, G.397, G.442, G.467, G.475, G.481, G.497 H.160 K.40

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
11.1 Pt.3	F.416 G.72, G.88, G.98, G.99, G.149, G.150, G.152, G.170, G.198, G.442, G.453 H.242
11.1 Pt.4	B.108 D.229, D.256 F.72, F.412 G.7, G.67, G.76, G.98, G.99, G.191, G.217, G.240, G.425, G.491 H.249
11.2	F.275, F.276 G.77
12.1	G.155, G.157 - G.159
12.2	F.403, F.404 G.502 - G.508, G.513, G.514 H.89
12.3	G.357, G.504, G.505, G.509, G.512, G.513 H.96
12.4	G.155 - G.159, G.442
13.1 Pt.1	G.85, G.99, G.512 - G.516, G.521, G.524, G.544 H.87 - H.91, H.139

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
13.1 Pt.2	G.510, G.512, G.515
13.2	G.516, G.519, G.522 - G.525
13.3	G.514 - G.517 H.113
13.4	G.521
13.5	F.286, F.291 G.225
13A.1 Pt.1	F.232 G.324, G.514, G.519 H.7, H.77 - H.82, H.84, H.113
13A.1 Pt.2	G.523 H.81, H.84, H.86 - H.90, H.231, H.305
13A.1 pt.3	G.508, G.516, G.524 H.70, H.91, H.92
13B.1	H.74, H.75
13B.2	G.67, G.516 H.78 - H.82, H.87, H.89 - H.92, H.94
13B.3	F.402 H.79, H.80, H.85, H.88 - H.90, H.94, H.174, H.228
13B.4	H.41

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
13B.5	H.76
14.1 Pt.1	F.69, F.229, F.230, F.417 G.147, G.295, G.465, G.497, G.500 - G.502, G.510, G.538 H.39, H.41, H.69 - H.71, H.102
14.1 Pt.2	G.500
14.2	G.158, G.357, G.500, G.503 - G.506, G.510, G.511 H.160, H.161
14.3 Pt.1	G.356 - G.358, G.366, G.509
14.3 Pt.2	G.357 - G.360, G.508
14.4	F.72 G.188, G.220, G.358, G.502 - G.504, G.507, G.509, G.513 - G.516 H.57, H.89, H.113
14.5	F.72 G.503, G.504, G.507, G.513, G.514
14.6	G.510, G.512, G.513, G.517 H.87
15.1 Pt.1	G.59, G.60, G.162, G.164, G.351
15.1 Pt.2	G.162, G.164
15.2	G.156, G.165, G.227, G.308, G.358, G.503

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
15.3	G.321, G.357 - G.359, G.506 - G.508 H.59
15.4	G.162, G.371, G.505, G.518 - G.520
15.5	G.506, G.515
15.6	G.503, G.505, G.507, G.509
15.7	G.227, G.508 H.7, H.50
15.8	G.506, G.507 H.100
15.9	G.522 H.85
15.10	F.401 - F.406 G.358, G.537, G.542, G.543 H.18, H.38, H.139, H.143, H.174 J.52
16.1 Pt.1	G.367 - G.372
16.1 Pt.2	G.165, G.166, G.364 - G.367, G.371, G.372
16.2	G.66, G.166, G.268, G.364, G.366 - G.373
16.3	G.165, G.166, G.270

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
17.1	F.12, F.15, F.18, F.34, F.36, F.418 G.21, G.160, G.177, G.181, G.183, G.192, G.317, G.334, G.376
17.2	F.13, F.14
17.3	G.101 - G.111
17.4	H.218
17.5	H.52, H.53, H.219
17.6	H.208 - H.214
17.7	G.174
18.1	F.16, F.17, F.37 G.152
18.2	G.181, G.188, G.321
18.3	F.36 G.89, G.90, G.210 - G.212, G.214 - G.217, G.442, G.443/1
18.4	H.251 - H.253
18.5	H.216, H.217
18.6	G.245
19.1	H.8, H.9, H.11, H.12, H.14, H.16 - H.21

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
19.2	F.72 H.8 - H.21, H.66
19.3	H.11, H.12, H.15, H.16, H.18, H.19
20.1	G.526, G.527
20.2	D.103, D.105 - D.107
20.3	G.79, G.85, G.442
20.4	G.10, G.89 - G.95, G.266, G.267 K.204
20.5	H.113
21.1	A.38 - A.42, A.130, A.136 B.104 D.4, D.20, D.65, D.90, D.131, D.146, D.175, D.194, D.204, D.238, D.242, D.256, D.262 E.118 F.35, F.67 - F.72, F.399, F.408, F.410 - F.414, F.417 - F.419 G.38, G.161, G.188, G.209, G.442, G.445, G.452, G.462, G.464 - G.466, G.468, G.469, G.474, G.475, G.484, G.491, G.496 - G.498, G.500, G.503, G.504, G.509 H.9, H.27, H.28, H.30, H.39, H.41, H.61, H.72 Continued

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
21.1 (Continued)	H.96, H.100, H.110, H.121 J.52 K.6, K.22, K.40, K.96, K.98, K.99, K.107, K.119, K.139, K.217, K.223, K.224, K.259, K.264, K.265, K.269, K.273, K.280, K.282, K.303, K.308
22.1	D.137 G.410 - G.416, G.418 - G.420, G.425, G.427, G.428, G.431, G.432, G.434, G.440 J.98
22.2	G.422 - G.425, G.427, G.430, G.435
22.3	G.411, G.412, G.418, G.421, G.423 - G.431
22.4	G.412, G.413, G.418, G.426 - G.428, G.431 - G.437
22.5 Pt.1	G.420, G.424, G.430, G.437
22.5 Pt.2	G.346, G.423, G.424, G.430, G.433 - G.435
22A.1	G.209, G.410, G.411, G.413, G.416, G.418 - G.421, G.423, G.427, G.428, G.430, G.431, G.434, G.435
22A.2	G.437 - G.439
23.1	G.153, G.154, G.197 H.35
23.2	H.194, H.279 - H.282
23.3	H.83, H.93

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
23.4	H.100
23.5	F.401 H.101 - H.103, H.145, H.150, H.152 J.50
23.6	G.222
23.7	H.26, H.27, H.31 - H.34
23.8	H.31, H.33 - H.35, H.38
23.9	H.35 - H.38
23.10	H.26, H.27, H.29, H.33, H.36, H.38, H.66
23.11	H.300
23.12	H.229
23.13	F.419 G.465, G.469, G.497, G.518 H.121, H.311
23.14	G.326 - G.328
23.15	G.223 - G.225
23.16	G.309
23.17	G.539

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
24.1	D.124, D.133, D.158, D.245 F.235, F.401, F.418 G.225, G.325, G.375 K.48, K.118, K.141, K.193, K.236
24.2	G.237, G.238
24.3	H.234, H.235
27.1	D.185 F.418 G.178, G.180, G.188, G.191, G.318, G.322, G.334 - G.339, G.345, G.442, G.460, G.464, G.466, G.481, G.484, G.493, G.497
27.2	B.37, B.40 D.3, D.35, D.136, D.193 F.36, F.411, F.418 G.89, G.178, G.213, G.385, G.460, G.472, G.474, G.475, G.491, G.526 K.68, K.283
27.3	C.70 D.130 G.89, G.307, G.335, G.337, G.341, G.349, G.446, G.465, G.474, G.476, G.486, G.487, G.489, G.492, G.493, G.496, G.502 H.95

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
27.4 Pt.1	<p>B.40</p> <p>F.40, F.55, F.412</p> <p>G.449 - G.451, G.454, G.456, G.458 - G.463, G.465, G.466, G.469 - G.471, G.473 - G.476, G.479 - G.482, G.485, G.486, G.488 - G.490, G.492 - G.496, G.498</p>
27.4 Pt.2	<p>D.124</p> <p>F.411</p> <p>G.454 - G.456, G.461, G.462, G.467, G.472, G.475 - G.477, G.479, G.480, G.483 - G.486, G.488 - G.490, G.494, G.496 - G.498</p>
28.1	<p>B.34</p> <p>D.116, D.123</p> <p>G.307, G.455, G.458, G.459, G.462, G.463, G.465, G.473 - G.476, G.479, G.480, G.482, G.483, G.486, G.492 - G.498</p>
29.1	<p>D.102</p> <p>F.411, F.413</p> <p>G.454, G.455, G.459 - G.462, G.464 - G.494, G.496 - G.498</p>
29.2	<p>F.414, F.418</p> <p>G.181, G.320, G.354, G.444, G.454, G.457 - G.459, G.461, G.463 - G.469, G.471, G.473 - G.476, G.478 - G.487, G.489 - G.492, G.494, G.496 - G.498, G.526 K.154, K.229</p>

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
30.1	F.405 G.98, G.137, G.138, G.152, G.153, G.219, G.229, G.232, G.324, G.426, G.431, G.432, G.442, G.453
30.2	D.158
30.3	G.152, G.522, G.541 H.138, H.144
30.4	D.108 - D.112
31.1	H.206, H.207
31.2	G.231 H.17, H.191, H.192, H.195, H.197, H.199, H.200, H.206
31.3 Pt.1	H.180, H.183 - H.193, H.195, H.197 - H.199, H.207
31.3 Pt.2	H.168, H.176 - H.182, H.184, H.187, H.191, H.192, H.195, H.198, H.199
31.4	H.201
31.5	H.196
32	F.403 - F.407 G.73, G.76, G.227, G.503, G.508 H.1, H.15, H.34, H.36, H.38, H.40, H.42, H.50, H.57, H.59, H.63, H.66, H.89, H.219, H.232, H.257, H.262, H.265

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
33.1	H.267
33.2	H.121
33.3	H.119, H.120
33.4	H.111, H.112
33.5	H.41, H.69
33.6	H.101 - H.103
33.7	H.115
33.8	H.106, H.109
33.9	H.37
33.10	H.22, H.165
33.11	F.229 - F.233, F.235, F.364, F.398 - F.400 G.502 H.66, H.149, H.159, H.172
33.12	H.153, H.154
34.1	H.246, H.248
34.2	G.267, G.284, G.297, G.300 - G.302, G.304 - G.306, G.310
34.3	G.283, G.284
34.4	G.282

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
34.5	G.113, G.280, G.281, G.301, G.302
34.6	G.268, G.269
34.7	G.291
34.8	G.171, G.172
34.9	G.278, G.279
34.10	G.275, G.276
35.1	G.270 - G.272
35.2	G.284, G.285
35.3	G.273
35.4	G.305
35.5	G.286
35.6	G.292 - G.295, G.305
36.1	G.251 - G.256
36.2	G.247 - G.249
36.3	G.252, G.254 - G.256, G.305, G.306
36.4	G.256
37.1	G.165, G.247, G.250, G.251, G.265 - G.267, G.270, G.275, G.287 - G.290, G.296 - G.299, G.306
37.2	G.277, G.298

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
37.3	G.275, G.298, G.299
37A.1 Pt.1	G.246, G.256 - G.261, G.274, G.287, G.296
37A.1 Pt.2	G.261 - G.264
38.1 Pt.1	D.27, D.146, D.155, D.219 F.412, F.419 G.62, G.459 H.31, H.117 K.129, K.142, K.233, K.244, K.295
38.1 Pt.1 A	D.147, D.173, D.262, D.263 F.72, F.232, F.402, F.403, F.407, F.418 G.87, G.145, G.170, G.442, G.473, G.476, G.512, G.528, G.547 H.14, H.37, H.98, H.113 K.86, K.304
38.1 Pt.2	A.46 D.24, D.196 F.408, F.409, F.413, F.419 G.99, G.197, G.375, G.424, G.435, G.442, G.464 H.32, H.52, H.130, H.232, H.239, H.265, H.305 K.36, K.39, K.41, K.114, K.142, K.166, K.181, K.200, K.217, K.246, K.277, K.286, K.289, K.321

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
38.1 Pt.3	D.193 F.61, F.72, F.409, F.410, F.413, F.414, F.418, F.419 G.459, G.478, G.521 H.7, H.35, H.239, H.265 J.55, J.56
38.1 Pt.4	D.194 F.63, F.410, F.419 G.203, G.225 H.17, H.20, H.38, H.113, H.138, H.230, H.232, H.239 J.60 K.40, K.48, K.134, K.281
38.2	F.72, F.396, F.401, F.402 G.198, G.228, G.500, G.522, G.543, G.549 H.79, H.98, H.121, H.125, H.130, H.139, H.143, H.220, H.273, H.284, H.287 K.139, K.215
39.1	F.86, F.229, F.230, F.234, F.237, F.395, F.401 G.228, G.335, G.503, G.545 H.8, H.30, H.39, H.62, H.68, H.71, H.95, H.102, H.143, H.157, H.167, H.202, H.215, H.257, H.265 K.37
39.2	G.391, G.394 H.23 - H.29, H.95

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
39A.1 Pt.1	F.72 G.1, G.4, G.7, G.10, G.12, G.27, G.28, G.38, G.43, G.45, G.46, G.53, G.56, G.57, G.64, G.70, G.75 - G.77, G.181, G.209
39A.1 Pt.2	G.57 - G.66, G.70, G.77, G.143, G.145, G.230
39A.1 Pt.3	G.57, G.67 - G.77
40.1 Pt.1	D.24, D.102, D.146, D.155 F.72, F.229, F.230, F.408, F.418 G.99, G.168, G.220, G.226, G.228, G.230, G.357, G.441, G.442, G.444, G.445, G.460, G.461, G.463, G.466, G.475, G.476, G.480, G.481, G.484, G.492, G.497, G.498, G.502, G.510, G.518, G.534 H.95, H.115
40.1 Pt.2	D.147 F.232, F.408, F.417 G.128, G.138, G.139, G.166, G.191, G.310, G.359, G.369, G.457, G.463, G.481, G.507, G.513, G.514, G.518, G.521
40.2	G.99, G.236, G.464, G.546 H.310
40.3	G.112, G.138, G.148, G.150, G.151, G.442, G.446, G.453, G.456 H.238

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
40.4	D.262 G.518 H.114, H.115, H.121
40.5	G.312, G.313
40.6	F.418 G.165, G.168, G.220, G.287, G.444, G.445, G.461, G.472, G.497, G.500, G.537, G.538 H.39
40.7	D.16 G.220, G.222, G.226, G.227, G.353, G.355
40.8	G.38, G.43, G.46, G.96, G.97, G.307, G.397
40.9	G.80, G.96, G.322, G.535, G.536 K.129, K.277, K.295
41.1 Pt.1	G.80, G.81, G.221
41.1 Pt.2	G.80, G.82 - G.84, G.163, G.323, G.324, G.334, G.355, G.408
41.2	D.71 G.152, G.274, G.307, G.382, G.442, G.446
41.3	G.442, G.487
41.4	G.231 - G.234

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
41.5	G.149, G.442, G.506 H.97, H.98
42.1	H.221, H.222, H.227, H.254, H.256
42.2	F.401, F.407 H.66, H.103, H.151
43.1	B.41 D.44, D.66, D.133, D.166, D.194, D.206, D.245, D.258 F.60, F.72, F.408, F.409, F.411 G.79, G.88, G.98, G.99, G.138, G.152, G.225, G.229, G.235, G.294, G.295, G.305, G.325, G.355, G.426, G.428, G.429, G.456, G.459, G.480, G.521 H.35, H.81, H.83, H.87, H.88, H.98, H.130 H.131, H.133, H.168, H.176, H.218, H.219, H.231, H.232, H.234, H.236, H.275, H.292, H.305 K.7, K.95, K.280, K.282
43.2	D.24, D.44, D.259 F.72, F.409, F.412, F.416 G.79, G.95, G.99, G.432, G.475 H.17, H.89, H.98, H.125, H.126, H.214, H.236, H.245, H.293, H.294 K.7, K.40, K.215

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
43.3	B.44, B.45 D.20, D.51, D.160, D.194, D.245 F.63, F.72, F.410 G.79, G.98, G.203, G.284, G.305, G.434, G.531, G.546, G.547 H.20, H.99, H.138, H.156, H.230, H.249, H.250, H.296 J.60 K.48, K.186, K.213
43.4	J.53
44.1	H.53 - H.55
44.2	H.43, H.45, H.49, H.52
44.3	D.258 H.52
44.4	H.53, H.57
44.5	H.43
44.6	H.48, H.51, H.56, H.57
44.7	H.43 - H.47, H.50, H.52, H.53, H.57, H.58, H.118
45.1	G.530 - G.532 H.241, H.243 - H.248, H.251
45.2	H.247, H.248

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
45.3	H.162, H.165
45.4	G.229
45.5	G.310, G.311, G.344
45.6	G.325, G.523 H.155, H.208, H.223, H.229, H.231, H.232, H.241, H.256, H.257, H.286 J.51
45.7	F.404 H.262
45.8	D.4 G.528, G.530 H.236, H.237
45.9	G.317, G.342, G.343
45.10	G.315, G.323, G.493
45.11	G.217, G.323, G.324, G.343, G.344, G.413
46.1	G.545, G.546 H.143 J.61
46.2	G.351

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
46.3	F.402, F.408 G.542 H.140 - H.143
46.4	G.349, G.350
47.1	G.206, G.213, G.303, G.340
47.2 Pt.1	D.3, D.179, D.186, D.231 F.418 G.228, G.341, G.441, G.480, G.497 H.121
47.2 Pt.2	D.3, D.4, D.166, D.239, D.242, D.258 F.418 G.142, G.304, G.426, G.441, G.446, G.515 H.239, H.240
47.2 Pt.3	D.51, D.124, D.143, D.194 F.236, F.237, F.418 G.98, G.203, G.220, G.236, G.531, G.546 H.236, H.245, H.248, H.250, H.286, H.288
47.3	D.205 G.299, G.300, G.306
47.4	G.353, G.354, G.443/1
47.5	G.529, G.530, G.532, G.533

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
47.6	G.363
48.1	G.352
48.2	G.351, G.374, G.375
48.3	G.175, G.361, G.362
48.4	G.174
49.1	D.145 - D.147, D.190 G.89, G.147, G.466, G.497 H.95
49.2	G.462
49.3	D.237 H.88, H.99, H.166 K.186, K.282
53.1	D.162
53.2	G.168 - G.170
53.3	D.229 G.167
53.4	G.160, G.161

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
53.5	D.24, D.33, D.37, D.245, D.258 F.69, F.229, F.408, F.418 G.99, G.104, G.147, G.152, G.162, G.173, G.177, G.218, G.228, G.318, G.442, G.452, G.457, G.460, G.463, G.464, G.469, G.474, G.480, G.487, G.498
53.6	G.176
53.7	G.218, G.219
53.8	H.60 - H.64
54.1	B.39, D.185, D.245 F.418 G.209, G.405, G.445, G.481, G.482 H.117
54.2	G.244
54.3	G.239, G.240, G.242, G.243
54.4	G.114, G.461, G.496
55.1	G.130 - G.136
55.2	G.126, G.128
55.3	G.114, G.128, G.137, G.140
55.4	G.114, G.126 - G.128, G.131, G.137, G.138, G.217

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
55.5	G.115 - G.125
55.6	G.111, G.114, G.126, G.137 - G.139
55.7	G.111, G.128, G.129, G.137, G.140 K.186
56.1 Pt.1	G.376 - G.380
56.1 Pt.2	G.229, G.403, G.404, G.407-G.409, G.443/2
56.2	G.390, G.396
56.3	G.380
57.1	G.96, G.314, G.335, G.345
57.2	G.279, G.315, G.316, G.325, G.330, G.331, G.335, G.344
57.3	G.80, G.318 - G.322, G.335, G.353, G.443/1
57.4 Pt.1	G.387, G.389 - G.392, G.394 - G.398, G.405, G.406
57.4 Pt.2	G.227, G.267, G.321, G.397, G.399 - G.406, G.409
57.5 Pt.1	D.136 G.379 - G.383, G.385, G.386, G.388, G.393
57.5 Pt.2	D.131 G.386 - G.390, G.393 - G.396
58.1	G.345 - G.348
58.2	F.395 - F.397

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
58.3	H.258 - H.261
58.4	G.328, G.329
60.1	G.52, G.53, G.56
60.2	H.1
60.3	H.39, H.65, H.140, H.142
60.4	F.229 H.101 - H.103, H.147
60.5	G.147 H.116
60.6	H.96, H.104, H.121
60.7	H.2 - H.6
60.8	G.85 - G.87, G.145 H.39, H.81, H.84, H.105 - H.109, H.234, H.235
60.9	F.71, F.231, F.241 G.148 H.102
60.10	H.2, H.3, H.5, H.6
60.11	G.322, G.374, G.442
60.12	H.14, H.66, H.91, H.121, H.270, H.273, H.285, H.287

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
60.13	H.299, H.300
60.14	H.30, H.148, H.158, H.164
61.1 Pt.1	F.40, F.42, F.48, F.51, F.62, F.64, F.66, F.81/1 - F.81/3, F.87 G.97
61.1 Pt.2	F.69, F.80, F.82 - F.85
61.2	F.67, F.68
61.3 Pt.1	F.40 - F.64, F.79
61.3 Pt.2	F.40 - F.64
61.4	D.3 F.40 - F.64, F.411 - F.414 G.97, G.463, G.465 K.167, K.213, K.295
62.1	H.134 - H.137, H.139
62.2	H.151, H.224 - H.227
62.3	F.405 H.99, H.113, H.130, H.137, H.139, H.208, H.225, H.235, H.255, H.285, H.287, H.290 - H.297
62.4	H.143, H.221, H.222, H.224, H.226, H.227, H.257

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
62.5	F.239 H.36, H.122 - H.127, H.131, H.132, H.139
62.6	H.126, H.128, H.130 - H.133, H.138, H.139
62.7	H.127
62.8	H.124, H.126, H.138
63.1	H.20, H.273, H.283, H.285, H.287, H.313
63.1A	F.11, F.242, F.253 - F.257, F.409 G.235, G.410, G.420 H.129, H.171, H.233, H.266, H.286, H.310 J.91, J.124
63.2	H.174, H.204, H.206, H.207
63.3	H.169, H.170, H.173, H.203, H.205 - H.207
63.4	H.98, H.99
63.4A	G.154, G.332, G.333, G.360, G.410, G.411, G.417, G.418, G.422, G.424, G.426, G.428, G.439 J.139
63.5	F.402 H.31, H.33, H.34, H.38, H.146, H.157, H.170, H.175, H.211 - H.214, H.227, H.231, H.255, H.307
63.6	H.38, H.143, H.312 - H.314, H.316 - H.320

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
63.7	H.234, H.235, H.263, H.264
64.1 Pt.1	H.298, H.302
64.1 Pt.2	H.298, H.302 - H.304
64.1 Pt.3	H.303, H.305 - H.310, H.312, H.315
64.1 Pt.4	H.143, H.214, H.228, H.296, H.300, H.312 - H.317, H.320
64.2	H.321
64.3	H.310
65.1 A	H.66, H.144, H.156, H.225, H.227, H.266, H.270, H.273, H.274, H.278, H.282 - H.287, H.289
65.1 B	H.268, H.269, H.270, H.272 - H.274, H.282, H.284, H.285
65.2	H.270, H.272, H.273, H.275 - H.278, H.283, H.285, H.312, H.313
66.1	J.110
66.2	J.122
66.3	J.138
66.4	J.146
66.5	J.114
66.6	J.111
67.1 Pt.1	J.127

Conspectus of file numbers

Number of OFF. file	Reference to folders or items in this catalogue
67.1 Pt.2	J.128
67.1 Pt.3	J.129
67.2	J.133
68.1	G.548
68.2	J.123
68.3	J.115
68.4	J.126
68.5	J.125
69.1	J.109
69.2	H.233
69.3	H.271
69.4	J.116

INDEX OF CORRESPONDENTS

The index includes the names of individuals, and of organisations and learned societies. Index numbers may refer to postal correspondence or to signed reports and memoranda exchanged with or forwarded to Cherwell. A reference number may therefore indicate a folder containing any or all of these types of material, particularly when they are in Sections F, G or H.

In cases where only Cherwell's carbon copy survives, the name of the correspondent is not listed below.

There is no subject-index. Lists of topics covered in specific sequences appear at G.152 - G.443, H.1 - H.66, H.208 - H.267

- A -

ABEL-SMITH, Sir Alexander	K.231
ABERCONWAY, Henry Duncan McLaren, 2nd Baron	K.1
ABRAHAM, R.	H.276
ACADEMIC ASSISTANCE COUNCIL	D.1
ACKROYD, Elizabeth	H.63
ACLAND, Sir Richard Thomas Dyke	K.1
ADAM, B. Forbes	H.123
ADAM, Neil Kensington	C.13
ADAM, General Sir Roland Forbes	G.513
ADAM, W. Wakefield	J.68
ADAMS, Walter	D.1, D.184, D.225
ADDISON, Christopher, 1st Viscount	J.59, J.69, J.81, K.1
ADDISON, Air Vice-Marshal Edward Barker	G.342, G.343, G.345
ADRIAN, Diane	K.1
ADRIAN, Edgar Douglas, 1st Baron	D.212, K.2
AHRENS, L. H.	K.3
AINLEY-WALKER, Ernest William	J.34
AIRLIE, David Lyulph Gore Wolseley Ogilvy, 12th Earl of	J.86

Index of correspondents

AITKEN, R. F.	G.276
AKERS, Sir Wallace Alan	B.73, K.3
ALANBROOKE, Field-Marshal Alan Francis Brooke, 1st Viscount	K.3
ALEXANDER OF HILLSBOROUGH, Albert Victor, 1st Earl	D.133 G.104, G.109, G.142, G.143, G.145, G.148, G.229, G.281, G.322, G.325, G.374, G.397, G.434, G.533 H.46, H.71, H.84, H.218
ALEXANDER OF TUNIS, Field-Marshal Harold Rupert Leofric George, 1st Earl	K.4
ALLARDICE, Corbin	K.5
ALLEN, Sir Carleton (Kemp)	E.117, J.82, J.136
ALLEN, F. W.	E.4
ALLEN, Gerald, Bishop of Dorchester	A.48, A.117, K.97
ALLEN, Herbert Stanley	C.64
ALLEN, Percy Stafford	B.134
ALLIBONE, Thomas Edward	A.84, D.2
ALLISON, Samuel K.	C.84
ALTERTHUM, H.	G.228
ALTRINCHAM see GRIGG, E.	
ALVINGHAM, Robert Daniel Thwaites Yerburgh, 1st Baron	J.59
AMBRONN, L.	D.2
AMERY, Julian	A.38, A.57
AMERY, Leopold Stennett	A.57 E.44 G.457 H.126, H.127, H.131, H.286, H.291, H.292, H.293, H.295, H.296 J.24, J.36, J.48 K.6, K.129
AMULREE, Basil William Sholto Mackenzie, 2nd Baron	J.92
ANDERS, W.	J.105
ANDERSON, Sir Alan Garrett	H.23

Index of correspondents

ANDERSON, Ava, Lady	K.7 See also K.311
ANDERSON, C. T.	G.89 - G.95
ANDERSON, Sir David (Stirling)	A.134, E.78, E.79, E.85
ANDERSON, F. L.	G.351
ANDERSON, John (later 1st Viscount Waverley)	A.81 D.18 E.14 G.188, G.521, G.524, G.548 H.84, H.87, H.88, H.106, H.108, H.126, H.130, H.131, H.133, H.138, H.174, H.201 K.7, K.233 See also K.311
ANDERSON, John George Clark	B.124
ANDERSON, Sir Kenneth	H.123, H.130, H.290
ANDERSON, Patrick	J.47
ANDRADE, Edward Nevill da Costa	A.46, A.57, A.84 D.3 E.108 G.457
ANDREWS, Cuthbert	D.3
ANDREWS, O.	G.500
ANDREWS, Philip	K.223
ANGIER, Norman D.	G.113, G.257, G.267, G.280, G.283, G.284, G.299, G.300, G.305 K.8
ANGWIN, Sir (Arthur) Stanley	K.8
ANSTRUTHER-GRAY, William John St Clair, later Baron Kilmany	J.11
APPERLEY, W. A.	G.465
APPLEBY, M. P.	D.94, D.95
APPLETON, Sir Edward (Victor)	A.46 B.73, B.130 D.4-D.6, D.212, D.213 G.345
APPLEYARD, Rollo	D.7
APSLEY, Allen	G.364

Index of correspondents

ARCO,	D.7
ARGYLL, Ian Douglas Campbell, 11th Duke of	B.158
ARKELL, John Heward	K.9
ARKELL, William Joscelyn	G.457
ARMOUR, R. S. D.	G.356
ARMSTRONG, Edmond Arrenton	H.296
ARMSTRONG, Edward Frankland	G.361
ARMSTRONG, Gilbert R. A.	K.9
ARMSTRONG OF SANDERSTEAD, William Baron	H.19, H.38
ARNANDER, Ann	K.9
ARNDT, Fritz	D.7
ASHFIELD, Albert (Henry) Stanley, 1st Baron	A.35
ASKELAND, Knut	D.8
ASQUITH see OXFORD AND ASQUITH	
ASSHETON, Nicholas	K.10
ASSHETON, Ralph, 1st Baron Clitheroe	A.57, H.39, J.60, K.10
ASTON, Francis William	D.9
ASTOR FOUNDATION	D.10
ASTOR OF HEVER, Gavin, 2nd Baron	K.11
ASTOR OF HEVER, John Jacob, 1st Baron	E.3, J.29, K.11
ASTOR, Nancy Witcher, Lady	K.11
ASTOR, William Waldorf, 3rd Viscount	D.10, K.12
ATHENAEUM, THE	K.13
ATHLONE, Princess Alice, Countess of	K.14
ATHOLL, Katharine Marjory, 8th Duchess of	J.32
ATKINS, William Ringrose Gelston	D.203
ATKINSON, F. V.	D.11
ATKINSON, R. d'E.	D.12, D.13
ATOMIC SCIENTISTS ASSOCIATION	D.14, J.81 See also J.82, J.117
ATTLEE, Clement Richard, 1st Earl	G.327, G.434, G.530, H.214
ATTWOOD, William	E.53 See also A.128

Index of correspondents

AUSTIN, O. P.	A.44
AVON see EDEN	
AWBERY, J. H.	D.178
AYDELOTTE, Frank	D.252
AYRES, John	K.14

- B -

BABBITT, J. D.	D.130
BABINGTON-SMITH, Constance	K.15
BADELEY, Henry John Fanshawe, 1st Baron	K.15
BAILEY, D. K.	E.14
BAILEY, Gerald	D.62
BAILEY, I.	K.15
BAILEY, John	K.15
BAILEY, S. N. Grant	A.47, A.57 B.99, B.129 H.121 J.24, J.29, J.135 K.16
BAILLIEU, Charles I.	J.29
BAIN, Sir Frederick	K.17
BAJPAI, G. S.	D.114
BAKER, H.	G.546
BAKER, Air Chief Marshal Sir John (Wakeling)	G.189, G.195
BAKER, L. W.	G.515
BALDWIN OF BEWDLEY, Stanley, 1st Earl	J.1
BALFOUR, Archie	K.17
BALFOUR, Arthur James, 1st Earl of	K.17
BALFOUR, Evelyn	K.17
BALFOUR of Inchrye, Harold Harington Balfour, 1st Baron	G.5, G.80, G.230, G.318, G.353, G.458

Index of correspondents

BALL, Henry	F.408
BANKS, Sir Donald	D.47, G.224, G.324
BANNISTER, Sir Roger (Gilbert)	K.17 See also D.15
BARCHARD, A. C. H.	J.36
BARCLAY, A. E.	J.81
BARCROFT, Sir Joseph	D.16
BARLOW, Sir (James) Alan (Noel)	G.533, H.305, J.81, K.18
BARNBY, Francis Vernon Willey, 2nd Baron	A.69, G.458, J.60
BARNES, Sir Denis (Charles)	H.39
BARNES, George	K.18
BARNET INSTRUMENTS LIMITED	D.17
BARON, George	G.466
BARON, Richard	K.18
BARRATT, S.	G.375
BARRETT, G.	K.18
BARRINGTON-WARD, Diana	K.19
BARRINGTON-WARD, John Grosvenor	C.64, K.19
BARRINGTON-WARD, Robert M'Gowan	E.45, E.109, J.46, K.19
BARTON, Sir Dunbar Plunket	J.29
BARUCH, Bernard Mannes	H.156, J.66, K.20
BARWEG, Daphne	K.20
BASTICK, Frank E.	K.20
BATE, Basil Dixon	K.20
BATES, Leslie Fleetwood	A.69, A.85
BATES, Percy G.	H.28
BATTELLE INSTITUTE LIMITED	D.18
BATY, C. W.	K.20
BAXTER, George Herbert	H.292
BEATTY, Sir (Alfred) Chester	G.169, G.444, G.445, H.117
BEATTY, Admiral of the Fleet David, 1st Earl	K.21
BEAVER, Sir Hugh Eyre Campbell	H.105

Index of correspondents

BEAVERBROOK, William Maxwell Aitken, 1st Baron	D.258 F.72, F.116, F.135 G.7, G.8, G.14, G.27, G.46, G.47, G.152, G.181, G.184, G.210, G.240, G.267, G.326, G.362, G.367, G.394, G.407, G.504 H.28, H.39, H.52, H.53, H.71, H.72, H.140, H.142, H.259 J.33 K.22
BEAZLEY, Sir John Davidson	K.23
BEAZLEY, Marie, Lady	K.23
BECTIVE, Terence Godfrey Thomas Taylour, Earl of, later 5th Marquess of Headfort	K.23
BEER, Harry	H.101
BEESELEY, George W.	K.23
BEETHAM, Frank	G.469
BEGHIAN, L. E.	D.19, K.23
BEIT, Alfred	J.24
BELL, M. E.	A.58
BELL, Ronald	J.29, K.24
BELL, Ronald Percy	K.24
BELLERSHEIM, Bertha	K.24
BELLEW, Sir George (Rothe)	A.81
BENN, Anthony Wedgwood	B.145, J.161
BENN, Ursula A.	K.24
BENNETT, Albert E.	D.19
BENNETT, Eric	K.25
BENSON, Leslie	K.25
BENSUSAN-BUTT see BUTT	
BENTINCK, Count	K.302
BERG, Wolfgang	D.19
BERGMANN, Stefan	D.19
BERKELEY, Mary Emlen Lloyd, 8th Countess of	A.38, D.20

Index of correspondents

BERKELEY, Randal Thomas Mowbray Rawdon, 8th Earl of	C.64, D.20
BERKIN, John Phillip	H.118
BERL, Ernst	D.21
BERLIN, Sir Isaiah	D.21
BERNAL, John Desmond	G.546
BERRY, John Seymour	K.137
BERRY, Pamela Margaret Elizabeth (later Baroness Hartwell)	A.58, K.27
BERRY, (William) Michael (later Baron Hartwell)	J.11, J.82, K.26
BERTHOUD, Sir Eric Alfred	H.52
BESSBOROUGH, Frederick Edward Neufelize Ponsonby, 10th Earl of	J.158
BESSE, Antonin	K.28
BESSE, Hilda	K.28
BEST, Richard S. B.	A.38
BETHE, Hans Albrecht	D.21, K.28
BETT, W. R.	K.28
BEVAN, Aneurin	J.81
BEVERIDGE, Janet, Lady	J.72, K.29
BEVERIDGE, William Henry, 1st Baron	B.159, K.29
BEVIN, Ernest	G.322, H.71, H.79, H.139, K.29
BEVIR, Sir Anthony	D.65 F.42, F.53 G.431, G.442, G.458 H.31 K.29
BHATNAGAR, Sir Shanti S.	D.22
BICKELL, J. P.	G.38
BICKERDIKE, R. E.	D.22
BICKNELL, Franklin	K.30
BILAINKIN, George	K.30
BINGHAM, Aleen	K.30
BINGHAM, Margaret	K.30
BIRCH, General Sir (James Frederick) Noel	F.24, F.25

Index of correspondents

BIRD, William G.	D.208
BIRKENHEAD, Frederick Edwin Smith, 1st Earl of	B.12, K.31 See also E.27
BIRKENHEAD, Frederick William Robin Smith, 3rd Earl of	K.34
BIRKENHEAD, Frederick Winston Furneaux Smith, 2nd Earl of	B.163, J.25, K.33
BIRKENHEAD, Margaret Eleanor, Lady	A.58, K.32
BIRKENHEAD, Sheila, Lady	A.38, K.34
BISHOP, Frederick Arthur	B.157, D.196, E.99
BISMARCK, Fürst von, Prince	K.35
BJERRAM, Niels	K.36
BLACKER, L(atham) V(alentine) Stewart	G.168, G.265 - G.268, G.298
BLAKE, Patricia Mary, Lady	K.36
BLAKE, Robert Norman William, Baron	A.69, A.79, A.82 B.131, B.132, B.155, B.156, B.159 K.36, K.75
BLAKSLEY, John	K.36
BLAND, Peter P.	K.36
BLANDY, Lyster Fettiplace	G.322
BLEANEY, Brebis	B.55, B.57, J.141
BLEDISLOE, Charles Bathurst, 1st Viscount	A.58
BLUNT, J. S.	D.22
BLUNT, Vernon	K.36
BOAS, G. H.	H.53
BODENSTEIN	See D.22
BODLE, A. K.	K.37
BOLITHO, Richard John Bruce	G.469
BONFELIN, Georges de, Comte	K.37
BOOTHBY, Robert John Graham, Baron	H.23, H.26, K.37
BORN, Max	A.47, D.23, D.24, E.116 See also D.263
BORNEMISSPA, I. Dillon	K.37

Index of correspondents

BORNS, K.	K.37
BOSANQUET, C. H.	K.38
BOSANQUET, Charles Ion Carr	B.126, B.130 E.99, E.131 H.39 K.38
BOSCH, Carl	D.25
BOSSOM, Alfred Charles, Baron	K.38
BOSTRÖM, Wollmar	K.38
BOTTOMLEY, Air Chief Marshal Sir Norman Howard	F.53 G.136, G.220, G.276, G.283, G.345, G.346, G.351, G.375, G.424, G.432
BOURDILLON, R.	A.23
BOVENIZER, Vernon George Fitzell	G.518
BOVENSCHEN, Sir Frederick	K.39
BOWDEN, Bertram Vivian, Baron	E.99
BOWDEN, Frank Philip	A.85
BOWEN, Edward George	B.60
BOWEN, Edmund John	A.85
BOWEN, (Ivor) Ian	G.538, H.105, H.107
BOWERS, K. D.	D.25
BOWLEY, Sir Arthur Lyon	F.44
BOWMAN, H. R.	B.9, B.97, B.98, B.140
BOWRA, Sir (Cecil) Maurice	A.47, B.122, B.123, B.137, D.133
BOYD OF MERTON See LENNOX-BOYD	
BOYD, Admiral Sir Denis (William)	K.39
BOYD-CARPENTER, John Archibald, Baron	J.32, J.36, J.43, K.39
BOYD ORR, John, 1st Baron	H.26
BOYLE, A.	G.10
BOYLE OF HANDSWORTH, Edward Charles Gurney, Baron	J.161
BOYSE, V. H.	H.61
BRABANE, Frank H.	K.39

Index of correspondents

BRABAZON OF TARA, John Theodore Cuthbert Moore-Brabazon, 1st Baron	A.32 D.26 G.50, G.243, G.275, G.307, G.407, G.465, G.529 K.40
BRACKEN, Brendan, 1st Viscount	B.59 G.458 J.24, J.29, J.32, J.69 K.11, K.41, K.77
BRADSHAW, Granville	G.459
BRAGG, Alice, Lady	D.27
BRAGG, Sir William (Henry)	D.27
BRAGG, Sir (William) Lawrence	A.85 B.5, B.73 D.27, D.204, D.209
BRAIN, Walter Russell, Baron	K.42
BRAND, Robert Henry, 1st Baron	A.106, H.34, H.188, K.42
BRAND, Thomas Henry, later 4th Viscount Hampden	G.504, G.505, H.160
BRANDON, Pauline (later Lady Rodger)	D.114
BREAKEY, Air Vice-Marshal John Denis	G.284, G.294
BREEN, G. E.	J.72
BREMRIDGE, Philip	J.72
BRENCHLEY, Winifred E.	G.220
BRERETON, Malcolm	E.114
BRETHERTON, Russell Frederick	K.42
BREWER, Frederick M.	B.156
BRIDGEMAN, William Clive, 1st Viscount	K.44
BRIDGES, Edward (Ettingdene), 1st Baron	A.85 B.52 E.77 F.58, F.66, F.71, F.245, F.408 G.43, G.57, G.63, G.81 - G.84, G.135, G.152, G.250, G.252, G.254, G.280, G.375, G.404, G.405, G.522, G.531, G.522 H.11, H.30, H.39, H.72, H.79, H.88, H.97, H.113, H.126, H.140, H.205, H.213, H.224, H.236, H.303, H.305, H.310 J.63 K.43, K.233

Index of correspondents

BRIDGES, Robert Seymour	K.43
BRIDGMAN, Percy W.	D.28
BRIND, Admiral Sir (Eric James) Patrick	G.281
BRINTON, Evelyn Elizabeth	K.44
BRINTON, Willard C.	F.69
BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE	D.29
BRITAIN, Sir Harry	A.69, J.29, J.43
BROCKMAN, Sir Ronald	G.149
BRODE, Robert B.	C.84
BRONTE-STEWART, R.	See D.30
BROOK, Norman Craven, later 1st Baron Normanbrook	A.69 B.132 E.84 F.397 H.11, H.31, H.81, H.232, H.244 J.104, J.133, J.145 K.45
BROOKE, A. F.	G.270
BROOKE-POPHAM see POPHAM	
BROOKS, C. E. P.	D.30
BROWN, Alan	B.148
BROWN, Sir Allen	K.45
BROWN, D.	F.41
BROWN, Eileen Barratt	J.40
BROWN, Gilbert G.	A.47
BROWN, Vice-Admiral Sir Harold Arthur	G.257, G.296
BROWN, O. F.	F.4, G.322
BROWN, W. B.	G.250
BROWNE, Anthony Arthur Montague	J.138, J.146, K.71, K.45
BROWNE, John A.	B.29, E.62
BROWNING, T. J.	F.70
BRUCE, Stanley Melbourne, 1st Viscount	K.46
BRUNDRETT, Sir Frederick	J.155, K.46
BRÜNING, Heinrich	K.46
BRUNNER, C. T.	H.43

Index of correspondents

BRUNT, Sir David	A.83, A.84, D.211, K.46
BRUTZKUS, J.	D.31
BUCH, Noel	K.47
BUCHAN, Alice	K.47
BUCHAN, Susan (later Tweedsmuir)	K.47
BUCHAN-HEPBURN, Patrick George Thomas (later 1st Baron Hailes)	K.47
BUCKLER, Georgina Grenfell	K.48
BUCKLER, William Hepburn	K.48
BUCKLEY, John	F.59
BUDGETT-MEAKIN, Denzil E.	J.65, K.48
BUFTON, S. O.	K.48
BULLARD, Sir Edward (Crisp)	D.31, K.48
BULLOCK, Alan Louis Charles, Baron	B.136
BULLOCK, Sir Christopher (Llewellyn)	F.3
BULLWINKLE, L. A.	H.46, H.63
BULMER-THOMAS, Ivor	D.68
BURCHAM, William Ernest	J.81
BURGHLEY	A.76
BURN, Joshua Harold	B.156
BURNETT, W. G. E.	D.61
BURNEY, Sir (Charles) Dennistoun	G.446 - G.451
BURRIDGE, W.	K.48
BURTON, C. V.	D.31
BURTON, Sir Geoffrey Duke	A.55
BURTT, DAVY, J.	H.61
BUSH, J. Vannevar	D.31
BUTLER, Sir Harold Beresford	K.48
BUTLER, Sir James Ramsay Montagu	G.439
BUTLER, Richard Austen, later Baron Butler	E.78, E.81, E.82, E.84 H.92, H.229, H.291 J.79, J.115, J.116, J.122, J.123, J.125, J.131, J.146 K.49 See also E.89, J.99, J.129

Index of correspondents

BUTLER, Victor Spencer	H.50
BUTLER, W. R.	K.50
BUTT, David Miles Bensusan	F.79, F.401 G.6 - G.9, G.14, G.28, G.36, G.38, G.43, G.52, G.91, G.99, G.104, G.111, G.114, G.126 - G.128, G.130, G.137, G.168, G.169, G.175, G.179, G.181, G.186, G.188, G.197, G.220, G.240, G.265, G.290, G.298, G.318, G.355, G.366, G.389, G.390, G.400, G.404, G.405, G.441, G.463, G.529, G.537, G.538 H.25, H.27, H.39, H.72, H.93, H.96, H.121, H.160, H.217, H.229
BUTTERLEY COMPANY LIMITED, THE	K.50
BUZZARD, Sir (Edward) Farquhar	B.99, K.50

- C -

CACCIA, Harold Anthony, Baron	K.51
CADOGAN, Sir Alexander George Montagu	G.459, K.51
CAHN, Heinz	D.32 See also D.87
CAHN, Hilda	D.32, D.172
CAINE, Sir Sydney	H.22
CAIRNCROSS, Sir Alexander Kirkland	H.107
CAIRNS, Sir Hugh William Bell	B.105, K.51
CALDER, Peter Ritchie (later Baron Ritchie-Calder)	K.52
CALDWELL, S.	K.53
CALLISTON, Sir Herbert E. D. G.	B.5
CALVERT, H. R.	D.33, K.53
CAMPBELL, Sir Ronald Ian	K.53
CAMPION, Sir Harry	G.148
CAMROSE, Mary Agnes (Dolly), Lady	A.39, K.54

Index of correspondents

CAMROSE, William Ewert Berry, 1st Viscount	J.43, K.54
CANE, Cyril H.	A.58
CANE, Joan	K.55
CANN, C.	H.59
CAPAIN, Marjorie	K.55
CAREY, Peter T.	K.55
CARPENTER, L. G.	G.210, G.222, G.301, H.241
CARR, Sir Cecil	K.13
CARR, Henry Marvell	A.55
CARR, Herbert Wildon	C.81
CARR, Lawrence	G.444
CARROLL, J. A.	D.35
CARR-SAUNDERS, Sir Alexander (Morris)	F.40
CARTER, Walter	G.469
CARTIER DE MARCHIENNE, Baron de	F.408
CARTWRIGHT, G. H. M.	K.55
CARVER, L. J.	G.425
CARY, A. M.	G.22
CASEY, Richard Gardiner, Baron	K.56
CASS, Edward Geoffrey	J.122
CASSEL, E. James	K.56
CASSEL, Sir Felix	K.56
CASSEL, Helen, Lady	K.56
CASTLEREIGH, Edward Charles Stewart Robert Vane-Tempest-Stewart (Robin), Viscount Castlereigh (later 8th Marquess of Londonderry)	K.56
CATCHSIDE, T. H.	H.20
CATHOLIC ENQUIRY CENTRE	K.57
CATTERALL, John	K.57
CAUSTIN, H. E.	F.69, H.23
CAVAN, Field-Marshal Frederic Rudolph Lambart, 10th Earl	G.459
CAVE, Charles John Philip	K.57

Index of correspondents

CAZALET, E.	K.57
CAZALET, Peter	K.57
CECIL, Lord (Edward Christian) David (Gascoyne)	K.57
CECIL, Lord Hugh	J.1
CHADWICK, Sir James	D.33, D.230, D.233, E.78, J.81
CHAIN, Sir Ernst (Boris)	E.16
CHAMBERLAIN, Anne	K.58
CHAMBERLAIN, (Arthur) Neville	F.65
CHAMBERLAIN, Beatrice Diane	K.58
CHAMBERLAIN, Ivy Muriel, Lady	K.58
CHAMBERLAIN, Sir (Joseph) Austen	F.6/1, F.23 J.29, J.34, J.43 K.58
CHAMPERNOWNE, David Gawen	F.407 G.6, G.7, G.9, G.11, G.13, G.14, G.18, G.22, G.27, G.28, G.43, G.46, G.48, G.50, G.53, G.77, G.91, G.92, G.182, G.188, G.511 H.25, H.26, H.70, H.102, H.121, H.140
CHAMPION, C. L.	E.72
CHAMPION, Frank Clive	B.156
CHAMPION, Harold	F.49, F.51
CHANDOS see LYTTTELTON	
CHANNING-PEARCE, T.	G.546, H.250
CHANNON, Sir Henry ('Chips')	J.33, K.59
CHANNON, Honor, Lady	K.59
CHAPMAN, David Leonard	J.32
CHAPMAN, Robert William	B.128
CHAPMAN, Sydney	A.66, C.38, D.34, G.459
CHARLES-DEAN, B.	E.93
CHATFIELD, Admiral of the Fleet Alfred Ernie Montacute, 1st Baron	F.32, G.356
CHATFIELD-TAYLOR, H. C.	A.8
CHAUNDY, Theodore William	C.75

Index of correspondents

CHEGWIDDEN, J. S.	F.409, G.548
CHELMSFORD, Frances, Lady	K.59
CHESTER, Sir (Daniel) Norman	D.135 H.12, H.17, H.107, H.224, H.226, H.255, H.260
CHESTERMAN, W. C.	H.230
CHETWODE, Field-Marshal Philip Walhouse, 1st Baron	D.114
CHETWYND, Augusta	K.60
CHETWYND, Wentworth Randolph	K.60
CHOLERTON, A.	K.61
CHOLMONDELEY, George Horatio Charles, 5th Marquess of	J.135
CHREE, Charles	C.38
CRIMES, S. B.	F.51
CHRISTIE, John	K.61
CHURCH, Arthur H.	K.61
CHURCHILL, Clementine Ogilvy, Baroness	A.28, A.106, G.459, K.72, K.73, K.77 See also J.61
CHURCHILL, Diana (Mrs Sandys)	K.74
CHURCHILL, Lord Ivor	K.61
CHURCHILL, John	K.61
CHURCHILL, Mary (Lady Soames)	K.74
CHURCHILL, Peregrine	G.219
CHURCHILL, Randolph Frederick Edward Spencer	A.39, G.459, J.152, K.75
CHURCHILL, Sarah (Mrs Oliver, later Mrs Beauchamp)	J.120, K.74

Index of correspondents

CHURCHILL, Sir Winston (Leonard
Spencer)

A.34, A.35, A.56, A.68
D.124
F.6/1, F.8/1, F.103, F.104, F.210,
F.241 - F.252
G.1, G.2, G.4, G.6, G.7, G.12 -
G.14, G.18, G.22, G.24, G.26 -
G.28, G.35, G.36, G.38, G.45,
G.46, G.48, G.52, G.53, G.56,
G.62, G.65, G.68, G.81, G.87, G.89,
G.104, G.109, G.111, G.112,
G.142, G.146 - G.149, G.152,
G.155, G.156, G.168, G.179,
G.181, G.182, G.188, G.189,
G.195, G.200, G.219, G.223,
G.224, G.228, G.235, G.237,
G.240, G.243, G.245, G.251,
G.256, G.281, G.310, G.320,
G.325, G.327, G.335, G.342,
G.346, G.349, G.350, G.351,
G.353, G.356 - G.358, G.361,
G.363, G.364, G.371, G.374,
G.376, G.382, G.388, G.389,
G.391, G.393 - G.395, G.397,
G.400, G.404 - G.406, G.418,
G.420, G.424, G.434, G.442,
G.443/1, G.500, G.502, G.504,
G.506, G.510, G.512, G.515,
G.524, G.538, G.548, G.550
H.1, H.11, H.12, H.23, H.25, H.26,
H.28, H.37, H.69, H.71, H.72,
H.78, H.79, H.87, H.91, H.95 -
H.98, H.102, H.112, H.114,
H.115, H.164, H.171, H.208,
H.215, H.243, H.286, H.298,
H.310
J.13, J.31, J.43, J.57, J.62, J.68,
J.75, J.84, J.91, J.97, J.98,
J.106, J.110, J.111, J.119,
J.121 - J.123, J.128, J.136,
J.138, J.145, J.146
K.62 - K.77
See also A.67A, E.39, E.51, E.71,
J.33, J.137, J.151

Index of correspondents

CLARK, Sir George Norman	A.69, K.265
CLARK, Sir Wilfrid Le Gros	B.156
CLARKE, Duncan	J.29
CLARKE, E. John S.	F.56, F.80, F.401, F.402 G.163, G.256, G.305, G.309, G.326 - G.328, G.408, G.427, G.428, G.522, G.543, G.547 H.34, H.98, H.125, H.126, H.143, H.259, H.261, H.275, H.291, H.295, H.307, H.275, H.291, J.81
CLAY, Sir Charles Travis	K.78
CLERK, Sir George Russell	K.78
CLITHEROE see ASSHETON	
CLIVE, Lewis	K.78
CLOSE, C. F.	E.4
CLUNIES-ROSS, Sir Ian	K.78
CLUSIUS, Klaus	D.233
CLYDESDALE, Douglas Douglas- Hamilton, Marquess of, later 14th Duke of Hamilton	K.78
COCHRANE OF CULTS, Thomas Horatio Arthur Ernest, 1st Baron	K.79
COCKCROFT, Sir John (Douglas)	A.85 B.53, B.57, B.75 D.233, D.250 E.73 G.326, G.327 J.81, J.147, J.155 K.79
COCKSIDGE, H. E.	D.95
COGHILL, Nevill Henry Kendal Aylmer	D.60
COLEMAN, F. J.	D.258, H.45
COLERAINE see LAW	
COLLIE, Carl Howard	B.52, B.68, D.35, G.324, G.343, K.137
COLLIER, D. M. B.	D.60

Index of correspondents

COLVILLE, Sir John (Rupert) (Jock)	A.67A B.151 D.172, D.177 E.97, E.98 F.127 G.28, G.35, G.38, G.176, G.181, G.361 H.72 J.111, J.122, J.136, J.137, J.145, J.146 K.70, K.80
COMPTON, Arthur Holly	D.35
COMPTON, Sir Edmund (Gerald)	G.6, G.10, G.362, G.443/1
COMPTON, Karl T.	K.81
COMYNS CARR, Sir Arthur Strettell	G.459
CONWAY, Robert Seymour	E.104
COOK, Sir William (Richard Joseph)	B.53 C.84 F.415 G.258, G.387, G.390, G.396, G.400, G.405
COOKE, Arthur Hafford	D.37, G.98
COOKSON, K.	D.37
COOMBE, J. R.	A.39, K.81
COOPER, Alfred Duff, later 1st Viscount Norwich	J.24, J.32, K.81
COOPER, C. A.	F.43
COOPER, W. C.	A.69
COOR, Thomas	B.73, B.74
COOTE, Sir Colin (Reith)	D.68, E.55, E.90, F.32, K.81
COPEMAN, Sydney A. Monckton	D.38
COPEMAN, W. S. C.	K.13
CORBETT, R. W.	F.73
CORBISHLEY, T.	B.133, K.82
CORDINGLEY, Air Vice-Marshal Sir John (Walter)	H.89
CORNER, J.	D.37
CORTIE, A. L.	C.37
CORYTON, Air Chief Marshal Sir (William) Alec	G.428

Index of correspondents

COSTA de BEAUREGARD, Laurence	K.91
COSTELLOE, W. H. G.	G.220
COTT, Hugh Bamford	G.218
COTTON, F. Sydney	G.452
COULSON, Alexander F. W.	G.280
COULSON, Charles Alfred	B.123, K.82
COULSON, Sir John Eltringham	H.268
COUNCIL FOR BRITISH ARCHAEOLOGY	D.39
COURANT, R.	D.40
COURTAULD, John Sewell	G.448
COURTNEY, Air Chief Marshal Sir Christopher (Lloyd)	G.10, G.17, G.357, K.82
COWGILL, A. W.	K.82
COX, R. V.	K.82
CRAIG, Archibald M.	G.349
CRAIG, E. S.	B.1
CRAVEN, Commander Sir Charles (Worthington)	G.58, G.243, K.83
CRAVEN-ELLIS, W.	K.65
CRAWFORD, David Alexander Edward Lindsay, 27th Earl of	K.180
CRAWFORD, Major-General John Scott	G.365
CRAWFORD, O. G. S.	K.83
CRAWFORD, Sir (Robert) Stewart	G.8, G.10, G.44, G.46, G.56, G.188, G.322, G.323, G.342, G.346, G.390
CRELLIN, George	G.468
CRICHTON, David M. M.	J.26
CRIPPS, Isobel, Lady	K.83
CRIPPS, Sir (Richard) Stafford	A.47 D.178 G.63, G.65, G.73, G.154, G.261, G.262, G.280, G.328, G.329, G.355, G.418, G.459, G.530, G.548 H.84, H.218, H.242, H.265 K.83

Index of correspondents

CROMBIE, I. M.	B.123
CROMER, Ruby, Lady	K.84
CROOKES, Sir William	G.469
CROOKSHANK, Harry Frederick Comfort, 1st Viscount	J.116, K.84
CROOME, (John) Lewis	H.26
CROW, Sir Alwyn Douglas	A.69 F.410 G.257, G.378, G.382, G.383, G.388, G.391, G.393, G.394, G.397, G.400, G.403, G.404, G.407, G.408, G.418, G.425, G.442 K.84
CROWTHER, Geoffrey, Baron	G.323
CROWTHER, J. A.	A.47
CULLIMORE, William	A.23
CUMBERLEGE, Geoffrey Fenwick Jocelyn	E.18
CUMMINGS, Milton	K.85
CUNARD	K.85
CUNARD, Emerald	K.85
CUNLIFFE-LISTER see SWINTON	
CUNNINGHAM OF HYNDHOPE, Admiral Andrew Browne	K.85
CUNNINGHAM, Sir Graham	G.270
CUNNINGHAM, L. B. C.	G.181, G.188, G.335
CURRIE, Lauchlin	H.144
CURTIS, Lionel George	J.60, J.90, K.85
CURTIS, William Edward	D.40
CUSHION, P. W.	G.528
CWILONG, B. M.	D.40

Index of correspondents

- D -

d'ABERNON, Helen, Lady	K.86
DACRE see TREVOR-ROPER	
DAICHES, Lionel Henry	D.62
DALE, Sir Henry (Hallett)	D.207, H.249
DALTON, Edward Hugh John Neale, Baron	F.415, G.26, G.170, H.7, H.11, H.84
DANIEL, Admiral Sir Charles (Saumarez)	G.310
d'ARCY, Martin C.	K.86
DARLINGTON, Cyril Dean	B.156
DARWIN, Sir Charles Galton	G.254, G.301, K.86
DA SILVA, Americo Correa	K.86
DAUNT, John G.	B.75, D.41, G.533
DAVIES, C. H.	K.87
DAVIES, D. F.	A.39
DAVIES, G. F.	G.111
DAVIES, G. O. C.	G.397
DAVIES, L. A.	K.87
DAVIES, L. J.	B.50, B.74, B.76, K.87 See also B.61
DAWSON, Geoffrey	E.3
DAY, S. A.	F.58 G.60 - G.63, G.65 - G.69, G.71, G.72, G.78, G.85, G.145, G.195, G.324, G.541 H.31, H.32, H.50, H.73
DEAKIN, Sir (Frederick) William (Dampier)	A.59, G.550, K.87
DEAN, Sir Maurice (Joseph)	G.3, G.6, G.7, G.10, G.13, G.14, G.179, G.210 H.87
DEANE, William	G.321
de BEER, Sir Gavin (Rylands)	E.124, K.88
de BÉLINAY, F.	D.41

Index of correspondents

de BRETEUIL, A.	K.88
de BROGLIE, Louis Victor, 7th Duc	D.42
de BROGLIE, Maurice, 6th Duc	A.4, A.6, A.21, A.23, A.28 D.43 - D.46 See also D.201, K.253
DEE, Philip Ivor	D.47
DEEDES, Sir Wyndham (Henry)	G.460
de FREITAS, Sir Geoffrey Stanley	J.83
de GROOT, S. R.	B.55
de HAAS,	See D.47
de HUPPÉ, Marquise	K.88
DE LASZLO, Patrick	A.59
DELLER, Sir Edwin	D.200
DENMAN, R. P. G.	G.460
DENNES, William R.	K.88
DENNISON, Stanley Raymond	H.87, H.106
de PANGE, François	K.91
de PANGE, Jean, Comte	K.89
de PANGE, Maurice	K.91
de PANGE, Pauline, Comtesse	A.59, K.90
de PANGE, Victor	A.59, K.91
d'ERLANGER, Leo Frederic Alfred	K.92
de ROCHETAILLÉE, B. Comtesse	K.93
de ROCHETAILLÉE, Francisque	K.93
de ROCHETAILLÉE, Jean	A.59
de SAVITSCH, Eugene	K.94
DESBOROUGH, Ethel, Lady	A.28, K.95
DESBOROUGH, William Henry Grenfell, 1st Baron	K.95
DESCH, Cecil Henry	E.122
DEVONSHIRE, Edward William Spencer Cavendish, 10th Duke of	D.154
DEVONSHIRE, Evelyn Emily Mary Fitzmaurice, Duchess of	K.96

Index of correspondents

de ZULUETA, Philip	B.132
DICKINSON, Henry Douglas	F.53
DICKSON, Marshal of the Royal Air Force Sir William (Forster)	K.96
DIGHT, S. R.	G.361
DILL, Field-Marshal Sir John Greer	F.27, G.52, K.96
DILLWYN, Colin	K.96
di SORBELLO, R. B.	K.96
DISTILLATOR, W. M.	G.176
DIXON, Harold Baily	D.53
DIXON, Sir Pierson (John)	K.96
DOBSON, Gordon Miller Bourne	A.23, B.2, B.5, D.48, D.204
DODDS-PARKER, A. P.	K.97
DOMMETT, W. E.	G.272
DONIACH, N. S.	D.202
DONNAN, Frederick George	D.225, D.240
DONNELLY, Desmond	D.18
DONNER, Sir Patrick William	G.460 J.19, J.24, J.29, J.36, J.74
DORLING, Vice-Admiral James Wilfred Sussex	K.97
DOUGLAS, C. G.	K.98
DOUGLAS, Lewis William	A.59, H.99, K.98
DOUGLAS, Sir William Scott	A.48 G.252, G.254, G.255, G.291 - G.294 H.252 K.98
DOUGLAS OF KIRTLESIDE, Marshal of the Royal Air Force William Sholto Douglas, 1st Baron	G.21, G.28, G.80, G.152, G.276, G.321, G.355 K.98
DOUGLASS, Kingman	K.98
DOUGLASS, William Angus	K.98
DOWDING, Air Chief Marshal Hugh Caswall Tremenheere, 1st Baron	G.58, G.152, G.320, G.389

Index of correspondents

DOWN, Sir Ernest Edward	K.99
DREYER, Admiral Sir Frederic Charles	G.101
DROGE, T. C.	See D.49
DUDDEN, Frederick Homes	B.92
DUDLEY, Anita	K.99
DUFF, Juliet, Lady	K.99
DUFFERIN, Maureen, Lady	A.59
DUFFERIN AND AVA, Basil Sheridan Hamilton-Temple-Blackwood, 4th Marquess of	J.13, J.25, J.26, J.34
DUFFIELD, W. Geoffrey	C.20
DuMOND, J. W. M.	D.49
DUNCAN, Sir Andrew Rae	C.75 G.154, G.252, G.256, G.284, G.357 H.39, H.84, H.96 K.99
DUNCAN, C. J.	K.100
DUNCAN-SANDYS see SANDYS	
DUNDAS, Robert Hamilton	B.130, B.132, K.101
DUNDEE see SCRYMGEOUR- WEDDERBURN	
DUNLOP, David Colin	E.18, K.101
DUNN, Mary, Lady	K.101
DUNNETT, Sir (Ludovic) James	H.217
DUNOYER, L.	C.5
DUNROSSIL see MORRISON	
DUNWORTH, John Vernon	D.49, D.250
DURBIN, Evan Frank Mottram	G.261
DURST, C. S.	G.221
DUTTON, Hugh T.	J.29
DUVEEN OF MILLBANK, Joseph, 1st Baron	K.101

Index of correspondents

- E -

EADY, Sir (Crawford) Wilfrid Griffin	H.123, H.286
EAKER, Lt.-General Ira Clarence	G.79
ECCLES, David McAdam, later 1st Viscount	K.102
EDDINGTON, Sir Arthur Stanley	D.50, D.57
EDELSTEN, Admiral Sir John Hereward	G.280, K.102
EDEN, Clarissa Anne, Lady (later Avon)	K.73, K.103
EDEN, Nicholas, 2nd Earl of Avon	K.103
EDEN, Robert Anthony, later 1st Earl of Avon	A.81 G.545, G.548 J.122, J.135 K.103 See also E.89
EDMONDSON, William	K.104
EGERTON, Sir Alfred (Charles Glyn)	B.45, D.51, D.204, D.205, D.208
EGERTON-BANKS, S. J.	G.503
EGGERT, J.	D.52
EHRENBERG, Victor L.	K.104
EHRENFEST, Paul	D.52
EINSTEIN, Albert	D.54 - D.57, D.63, D.65 - D.67 See also B.128
EINSTEIN, Elsa	D.56, D.57
EINSTEIN, Louis	K.104
ELDERTON, Sir William Palin	K.104
ELLES, J.	J.29
ELLIOT, Katharine, Baroness	K.105
ELLIOT, Walter	K.105
ELLIOT, William	F.11 G.81, G.222, G.318, G.361, G.362, G.388 K.68
ELLIOTT, E. B.	B.10
ELLIOTT, R. D.	G.267, G.268, G.504, H.42
ELLIS, Sir Arthur (William Mickie)	K.106
ELLIS, Sir Charles Drummond	K.106

Index of correspondents

ELLIS, Frank	B.114, D.70
ELLIS-REES, Sir Hugh	H.228
ELTON, Godfrey, 1st Baron	E.55
ELWES, Simon	K.106
EMELEUS, Henry Julius	K.106
EMERY, Peter	J.153
EMMETT, David	K.107
EMMETT, Evelyn Violet Elizabeth, Baroness	K.107
EMMOTT, Charles Ernest George Campbell	K.108
ENGELHARD, Charles	J.82
ENTWISTLE, William James	K.108
ERNLE, Barbara	K.108
EUCKEN, Arnold	K.108
EULER, W. H.	K.108
EVANS, Benjamin Ifor, later Baron	E.93, E.99, K.109
EVANS, D. Owen	D.162
EVANS, E. V.	F.40
EVANS, Sir Francis (Edward)	K.109
EVANS, G. Myrddin	H.72, H.73
EVANS, I. G.	A.70
EVELEGH, General Vyvyan	D.71
EVERETT, Henry	G.327
EVERITT, W. A.	K.109
EVERSHED, C. R.	G.318
EVERSHED, Francis Raymond, 1st Baron	K.109
EVERSHED, John	C.34
EVETTS, General Sir John (Fullerton)	D.71, G.271, G.293
EVILL, Air Chief Marshal Sir Douglas Claude Strathern	G.274, K.109
EWART-SMART, J.	A.70
EWELL, R. H.	G.196

Index of correspondents

- F -

FABER, C.	G.289
FABRY, C.	C.82
FAHNESTOCK, Beatrice Beck	K.110
FAIRFAX-LUCY, Alice	K.110
FAJANS, K.	D.72
FARRANT, Ralph H.	G.255, G.266, G.268, G.269, G.271, G.278, G.282, G.291, G.301
FARREN, Sir William Scott	A.23, A.85, D.196
FARRER-BROWN, Leslie	B.46, K.110
FAUDEL-PHILLIPS, Sir Lionel	B.19
FEDDEN, Sir (Alfred Hubert) Roy	H.218, H.286
FEILING, Caroline, Lady	K.111
FEILING, Sir Keith (Grahame)	K.111
FELIX, A.	D.72
FELKIN, S. D.	G.46
FELLOWES, Daisy	K.111
FELLOWES, Reginald	A.96
FENNELLY, Sir (Reginald) Daniel	H.59
FERGUSON, Allan	E.113
FERGUSON, Sir (John) Donald (Balfour)	H.31
FERRAR, William Leonard	B.43
FFENNELL, Raymond William	K.111
FFORDE, John S.	A.70, J.115, J.126, J.129, J.133
FIFOOT, C. H. S.	J.14
FIGGURES, Sir Frank (Edward)	D.5
FINCH, George Ingle	G.203
FINLASON, Edward P.	K.112
FINLAY-FREUNDLICH, Erwin	D.73
FISHER, Hellen E.	K.112

Index of correspondents

FISHER, Herbert Albert Laurens	B.92, D.54, K.112
FITZ ALAN, Edmund Bernard Fitzalan-Howard, Viscount	K.113
FITZALAN, Mary Caroline, Lady	K.113
FITZALAN-HOWARD, Henry Edmund	K.113
FITZALAN-HOWARD, Magdalen	K.113
FITZGERALD, Amelia Catherine (Lily), Lady	A.28, A.48, K.114
FITZGERALD, J. U. P.	G.350
FITZGERALD, Mildred	K.114
FITZMAURICE, Sir Gerald (Gray)	H.116
FLECK, Sir Alexander	A.82, B.76, K.115
FLECKER, H. L. O.	K.115
FLEISCHER, Richard	D.74
FLEMING, Sir Alexander Percy Morris	K.115
FLEMING, Evelyn Beatrice Ste. Croix Rose	K.115
FLEMING, J.	F.25
FLEMING, John Marcus	H.263
FLEMING, Peter	G.537, G.550
FLEMMING, G. H.	H.96
FLETCHER, Charles E.	A.28, A.123, D.139
FLETCHER, Sir Walter	D.75, K.115
FLETT, Sir Martin (Teall)	H.127, H.252, H.253
FLORENCE, Noel S.	F.40
FLOREY, Howard Walter, Baron	B.116, D.76
FOGARTY, Michael P.	F.44
FOOT, Robert	J.66
FORMAN, Jan	F.27
FORSTER, Arnold J.	B.153
FORSYTH, Ian McMillan	H.63
FOSTER, Michael B.	B.130, K.116
FOSTER, Air Vice-Marshal William Foster MacNeece	K.116, K.239
FOURNIER, Georges	C.74
FOWLER, Alfred	A.23, A.24, B.14, D.76, D.197

Index of correspondents

FOWLER, Sir Ralph Howard	K.116
FOX-STRANGEWAYS, John	K.116
FRANCK, James	D.77
FRANK, Ludwig	D.78
FRANKFURTER, Felix	K.117
FRANKS, Oliver Shewell, Baron	K.117
FRASER, Antonia, Lady (later Pinter)	K.117
FRASER, Admiral Bruce Austin, Baron	G.169, G.170, G.320, G.322 K.117
FRASER, Hugh Charles Patrick Joseph	K.117
FRASER, Malcolm	K.117
FRASER, R.	F.408
FRASER, R. P.	G.425
FRASER, Sir William	G.361
FREEMAN, Air Chief Marshal Sir Wilfrid Rhodes	G.324, H.286, K.118
FREETH, Francis Arthur	A.60, D.79, D.95, G.460, K.118
FRÖHLICH, Herbert	K.118
FRY, Charles Burgess	G.460, K.119
FRY, D. W.	B.53
FUCHS, Klaus	D.230
FUCKS, Wilhelm	D.79
FULFORD, Roger Thomas Baldwin	G.530
FULLER-MAITLAND, Ella	A.28, K.120
FURER, J. A.	G.233
FURNEAUX, Rupert	K.120
FURNESS, Enid, Lady	K.242
FURTH, Robert	D.266

Index of correspondents

- G -

GABOR, Dennis	D.80
GAGE, Alexandra Imogen Claire, Viscountess	K.121 See also K.95
GAGE, Henry Rainald (Robin), 6th Viscount	K.121
GAIRDNER, R. D.	G.270
GALBRAITH, J. H.	J.141, J.142
GALBRAITH, Thomas Galloway Dunlop	K.121
GANE, Frances	K.121
GÄNG, Karl	D.80
GALLOP, John W.	D.80
GARDINER, Alan H.	E.4
GARDNER, Arthur Duncan	D.70, K.122
GARDNER, D.	G.284
GARDNER, Margaret	K.122
GARDNER, Richard N.	K.122
GARNER, Sir Harry Mason	G.428
GARRATT, G. R. M.	E.76
GARRETT, Alice	K.122
GARROD, Air Chief Marshal Sir (Alfred) Guy (Roland)	G.10, G.50, G.92, G.550 K.122
GARRO JONES, George Morgan, later 1st Baron Trefgarne	A.48, A.64, G.429
GARVIN, James Louis	J.43
GASK, George Ernest	K.123
GATER, Sir George Henry	J.142
GATTY, Oliver	E.114
GAYNER, Richard	K.123
GEDDES, Sir Eric (Campbell)	D.93
GEE, Hubert George	F.67
GENTRY, Fenton	K.123

Index of correspondents

GEORGE OF THE HELLENES	K.123
GEORGE, R. F.	G.10, G.12, G.14, G.18, G.22, G.27, G.53, G.54, G.58, G.59, G.81, G.182
GIBB, Sir Claude Dixon	K.124
GIBBS, Norman Henry	K.124
GIBSON, Charles Stanley	D.1
GIFFARD, E. C.	K.124
GILCHRIST, L.	D.81
GILL, Ernest Walter Brudenell	D.81, G.461, J.93 See also K.41
GILLET, A. B.	K.124
GILLIATT, Elizabeth	K.124
GILMOUR, Sir John	F.27
GIRAUDOUX	K.124
GLADWYN, Cynthia, Lady	K.125
GLADWYN, Hubert Miles Gladwyn Jebb, Baron	E.55, K.125
GLEN, Alexander R.	B.142
GLYN, Elinor	K.126
GLYN, Ralph George Campbell, Baron	B.163, D.245, E.88, G.391
GODDARD, Air Marshal Sir (Robert) Victor	C.17, K.126
GODFREY, H.	G.138, H.97
GODFREY, John Henry	F.98, H.115
GOFF, E.	K.126
GOKHALE, Dattatraya V.	K.126
GOLD, Ernest	G.221
GOLDSCHMIDT, R.	G.307
GOODALL, Sir Stanley Vernon	G.113, G.300
GOODENOUGH, Sir William (Macnamara)	A.48, B.46, B.72, K.127
GOODEVE, Sir Charles Frederick	G.150, G.238, G.375, G.461 H.238, H.244

Index of correspondents

GOODHART, Arthur Lehman	K.127
GOODHART, Cicely	K.127
GOODRICH, Edwin Stephen	D.82
GORELL BARNES, Sir William (Lethbridge)	H.16
GOSFORD, Archibald Alexander John Stanley Acheson, 6th Earl of	E.55
GOUGH, Herbert John	G.272, G.403
GOULDESBROUGH, Claude	D.38, J.19
GORDON, George Stuart	D.1, D.224, D.225, J.10
GRAD, Harold	D.82
GRAEBNER, Walter	A.102, K.128
GRAHAM, Cynthia	K.129
GRAHAM, Sir Ernest Gordon Graham-	J.72
GRAHAM, Norman William	G.548
GRAHAM, Sybil, Lady	K.129
GRAND, Laurence	G.168, G.169, G.461, K.129
GRANT,	K.129
GRANT, C. Robin A.	D.17
GRATIAS, O. A.	D.82
GRAVEM, Axel B.	K.130
GRAY, Roger	B.145
GREAVES, R. H.	G.444
GREEN, G. A.	G.367
GREENWOOD, Arthur	H.1, H.159
GREGORY, Sir J. Roger B.	A.121, D.99, J.27
GREGORY, Sir Richard (Arman)	A.24, C.63, E.110
GRENFELL, Alexandra Imogen Claire (later Gage)	K.95 See also K.121
GRENFELL, Imogen	K.95
GREVILLE, Dame Margaret Helen Anderson (Hon. Mrs Ronald Greville)	A.28, K.131
GREW, Joseph Clark	A.7

Index of correspondents

GREY OF FALLODEN, Edward, 1st Viscount	B.91, E.107
GRIER, Lynda	K.280
GRIERSON, C. M.	G.427
GRIFFIN, Francis J.	C.88, D.83, E.16, K.132
GRIFFITH, I. O.	A.23, A.28 B.1 - B.3, B.6, B.7, B.26, B.35, B.68 D.84 See also B.8, B.18, E.65, E.118
GRIFFITH, John	A.60, K.132
GRIFFITHS, J. Eaton	G.43, G.45, G.243
GRIFFITHS, James Howard Eagle	A.70, D.85
GRIGG, Edward William Macleay, 1st Baron Altrincham	A.57, F.27, H.140, J.24, J.32, K.132
GRIGG, Sir (Percy) James	D.61, D.85, H.84, H.126, J.2, K.132
GRIMES, William Francis	D.39
GRIMWOOD, A. J.	G.160, G.161
GRINSTED, H.	C.30, C.31, K.132
GRIST, Frederic Edwin	H.127, H.137
GRONDONA, L. St Clare	K.133
GROSVENOR, Doris May	K.134
GROSVENOR, Robert Arthur (Robin)	K.134
GROVES, Leslie R.	D.237, J.108, K.135
GROVES, Owen G.	K.135
GUBBINS, Sir Colin McVean	K.135
GUCHNIK, P.	D.85
GUEBEN, Georges	D.85
GUEST, Cynthia	K.136
GUEST, Frederick Edward	J.4, K.136
GUGGENHEIM, Edward Armand	G.375
GUINNESS, Honor	K.137
GUINNESS, (Thomas) Loel Evelyn Bulkeley	K.137

Index of correspondents

GUNN, H. G.	H.43
GUNTHER, R. T.	J.43, K.138
GUY, Sir Henry (Lewis)	G.153
GWYER, J. M. A.	J.49
GWYER, Sir Maurice Linford	B.91, B.92, J.7, K.138

- H -

HABER, Fritz	D.86
HADFIELD, Sir Robert A.	K.139
HADFIELD, Robert Goodwin	J.12, J.34
HADLEY, W. W.	J.46
HAGUE, A. P.	D.162
HAHN, A. F.	D.87
HAHN-NERNST, Angela	D.172
HAILES see BUCHAN-HEPBURN	
HAILSHAM see HOGG	
HALBAN, Hans	A.107, D.87
HALDANE, Louisa Kathleen	D.53
HALDANE, Richard Burdon, Viscount Haldane	D.53
HALIFAX, Dorothy Evelyn Augusta, Lady	A.96
HALIFAX, Edward Frederick Lindley Wood, 1st Earl	A.96, B.95, D.225, F.23, H.164, K.139
HALL, Sir Arnold (Alexander)	A.16, D.196, E.20
HALL, Arthur Henry	F.26, G.142
HALL, Edward Thomas	D.39, D.214, K.139
HALL, Edwin H.	D.89
HALL, Sir Noel (Frederick)	H.121
HALLIDAY, Sir William Reginald	E.129
HALNAN, E. T.	H.33, J.65, J.72

Index of correspondents

HALSBURY, John Anthony Hardinge Giffard, 3rd Earl of	K.139, K.290 (as Viscount Tiverton)
HALSE, W. G.	F.54
HAMBLIN, Grace	K.140
HAMBRO, Sir Charles Jocelyn	H.191
HAMILTON, Henry	D.89
HAMMERSLEY, John Michael	E.99
HAMMICK, Dalziel Llewellyn	A.70, B.102, D.89
HAMPDEN see BRAND	
HANDY, General Thomas Troy	H.35
HANKEY, Maurice Pascal Alers, 1st Baron	F.4, F.8/2, F.11, F.25, F.65 G.322, G.527, G.529, G.538 H.141, H.218 J.50, J.53 K.140
HANKEY, Robert Maurice Alers (Robin), 2nd Baron	K.140
HARCOURT, Elizabeth Sonia, Lady	A.60, K.140
HARCOURT, William Edward, 2nd Viscount	K.140
HARDEN, Donald Benjamin	D.39
HARDIE, William Francis Ross	K.140
HARDINGE OF PENSHURST, Alexander Henry Louis, 2nd Baron	F.65
HARDISTY, Rupert W.	A.70
HARDWICK, J.	G.343
HARDY, Sir Alister (Clavering)	B.156
HARDY, Godfrey Harold	D.89, D.184
HARGREAVES, McKinley	K.141
HARLECH see ORMSBY-GORE	
HARMER, W. T. V.	H.42
HARMSWORTH, Esmond Cecil (later Rothemere)	K.141
HARRIMAN, (William) Averell	G.129, G.366, G.368, G.369, K.141

Index of correspondents

HARRIS, Marshal of the Royal Air Force Sir Arthur Travers (Bert)	G.71, G.85, G.89, G.149, G.178, G.197, G.278, G.282 K.141
HARRIS, Air Vice-Marshal Jack	G.362
HARRIS, Sir Ronald (Montague Joseph)	H.160
HARRIS, Rose	F.46
HARRISON, Alick Robin Walsham	H.28
HARRISON, J. V.	K.141, K.223
HARROD, Sir Roy (Forbes)	A.48, A.60 B.91, B.93, B.94, B.98, B.102, B.125, B.158, B.159, B.163, C.64 F.40, F.41, F.45, F.50, F.53, F.54, F.62, F.66, F.67, F.81/1, F.81/2, F.81/3, F.395 - F.397 G.209, G.501, G.502, G.510, G.538 H.4, H.27, H.31, H.101, H.104, H.122, H.124, H.145, H.148, H.155, H.167, H.208, H.259, H.298, H.299 J.11, J.30, J.50, J.51, J.58, J.59, J.71, J.77, J.87, J.88, J.102, J.112, J.115, J.130 K.142
HART, E. Melbourne	F.68
HART, W. O.	B.122, B.123, J.5, J.10, J.22, J.28
HARTILL, Isaac	D.62
HARTINGTON, M.	K.143
HARTLEY, Clifford	G.225
HARTLEY, Sir Harold Brewis	B.9, B.76, D.90, D.233
HARTOG, Sir Philip Joseph	A.48
HARTRIDGE, Hamilton	C.15
HART-SYNNOT, Ronald Victor Okes	A.48, A.70, B.98, H.27, H.258, J.27, K.143
HARVEY, Sir Arthur Vere	J.55
HARVEY, B. C.	G.309

Index of correspondents

HARVEY, Ian Douglas	A.70 J.17 - J.19, J.22, J.25, J.29, J.30, J.39, J.47, J.49, J.60 K.144, K.265
HARVEY, James	A.115, D.99, J.13
HARTWELL see BERRY	
HARVIE-WATT, Sir George Steven	G.148, G.461, J.55
HASLAM, E.	K.145
HASLER, W. J.	H.304, H.310
HAUGHTON, John L.	D.158
HAWKE, Bladen Wilmer, 9th Baron	K.145
HAWKES, Geoffrey	G.260 - G.262
HAWKESWORTH, Lt.-General Sir John Ledlie Inglis	G.268
HAWKIN, R. C.	J.40
HAWORTH, Leland J.	C.84
HAWORTH, Sir (Walter) Norman	K.145
HAYDON, Edwin	K.145
HAYDON, Major-General Joseph Charles	G.310
HAYTER, Sir William Goodenough	K.145
HEADFORT see BECTIVE	
HEADLAM-MORLEY, Kenneth Arthur Sonntag	E.122
HEALD, Sir Lionel Frederick	K.145
HEARNSHAW, Leslie Spencer	D.62
HEATH, Edward Richard George	J.47, J.49 See also J.74
HEATHCOTE-SMITH, Sir Clifford (Edward)	E.88, K.146
HEATON, C. J.	K.147
HEATON, Irene	K.147
HEATON, Juliet	K.147
HEATON, Trevor Braby	B.124, B.125
HEBBERT, H. B.	G.466

Index of correspondents

HECHT, N. F. S.	G.335
HEIDENREICH, Marie	K.147
HEILBRON, Sir Ian (Morris)	G.515
HELMORE, Hon. Air Commodore William	G.453, J.104
HELSBY, Laurence Norman, Baron	H.22
HENDERSON, Sir Hubert	H.300
HENDERSON, Admiral Sir Reginald Guy Hannam	F.32
HENDERSON, William Watson, 1st Baron	J.81, K.147, K.302
HENDRIKS, Sir Charles A. C. J.	J.63, J.70, J.86, J.135, J.154 K.147
HENLEY, Rosalind	K.147
HERBERT, Sir Alan Patrick	A.60, G.461, J.29, J.48, J.55 See also J.23
HERON, C. F.	J.141
HERON, John	D.62
HERZOG, R. O.	D.90
HETHERINGTON, Arthur Lonsdale	A.14, B.14, B.129, K.148
HEYWOOD, Valentine	K.148
HEYWORTH, Geoffrey, 1st Baron	K.148
HEYWORTH, Patrick	A.89
HICKES, Major-General Lancelot Daryl	F.287, G.268, G.270, G.287
HIGHAM, John Drew	G.382
HILDEBRAND, Joel H.	C.84
HILDRED, C. O. P.	H.217
HILL, Archibald Vivian	G.319, G.529, K.149
HILL, D. V.	A.70
HILL, G. T. R.	G.168, G.376
HILL, Helen, Lady	K.149
HILL, Henry Warburton	F.31
HILL, Kathleen	K.149
HILLGARTH, Alan Hugh	K.149
HILLS, John R.	F.40
HINDLEY, Henry Oliver Rait	G.14, G.50, G.195

Index of correspondents

HINDS, G. H.	J.90
HINSHELWOOD, Sir Cyril Norman	B.108, B.115, B.119, B.156 D.47, D.90 K.231
HIRSCH, Major-General Charles Ernest Rickards	G.519
HIRSCH, Sir Peter (Bernhard)	D.10
HIRSCHLAFF, Ernst	D.91
HIRST, Hugo, 1st Baron	K.149
HITCHMAN, Sir (Edwin) Alan	H.41
HOARE, Samuel	F.24, F.25, F.65, K.150
HOCKADAY, Arthur Patrick	D.34
HODDER, H. G.	A.60, A.125, J.87
HODGE, A. S.	H.130
HODGES, Leonard	H.20
HODGSON, E.	K.150
HODSALL, G. I.	F.5/1
HOFF, Harry Summerfield	F.53, F.54
HOGG, Douglas McGarel (later 1st Viscount Hailsham)	K.151
HOGG, Quintin McGarel, Baron	K.151
HOLDEN, Norman	G.461, K.152
HOLLAND, Marjorie T.	F.40
HOLLIS, Sir Leslie Chasemore	G.305, G.545, G.548 H.118, H.292 K.152
HOLMES, Major-General Sir Noel Galway	H.96
HOLMES, Sir Stephen (Lewis)	K.152
HOLMWOOD, Lilian E.	F.58
HOLMYARD, E. J.	E.76, E.128
HOLT, Hilda	K.152
HOME, Alexander Frederick Douglas-Home, Baron	E.78, K.153

Index of correspondents

HOOD, Sir Alexander	K.153
HOOPER, Sydney E.	E.106
HOPE, Lord Charles (Melbourne)	G.461, K.154
HOPKIN, William Aylsham Bryan	F.53, F.54, F.57, F.401 G.65, G.144, G.163, G.190, G.221, G.254, G.276, G.355, G.368, G.407, G.431, G.469, G.471, G.513, G.522, G.527, G.533, G.543 H.273 J.60
HOPKINS, H. G.	E.109
HOPKINS, H. H.	D.178
HOPKINS, Harry L.	K.155
HOPKINS, L. E.	H.66
HOPKINS, Sir Richard Valentine Nind	K.155
HOPKINSON, Sir (Henry) Thomas	E.120, E.136, J.72
HORNBY, Nicolette	K.156
HORNE, Robert Stevenson, 1st Viscount	J.29, K.156
HORNER, Frances	K.156
HOROVITZ, A.	K.156
HORROCKS, Sir Brian Gwynne	K.156
HORTON, C. E.	K.156
HOUTERMANN, Fritz G.	D.91
HOW, F.	A.70
HOWARD, Francis	K.157
HOWARD, Hubert	J.66
HOWARD, Sir John	J.155
HOWARD, Michael Eliot	E.131
HOWARD-STRAPP, Léonore	K.157
HOWLETT, John	K.157
HUDSON, Sir Austin Uvedale Morgan	G.461
HUDSON, G. F.	G.461
HUDSON, Robert Spear, 1st Viscount	F.408 H.33, H.84, H.100, H.313 K.157

Index of correspondents

HUDSON, T. C.	D.92
HUGHES, Arthur J.	G.462, H.239
HUGHES, Don J.	D.56
HUGHES, William	H.22
HULETT, A.	K.157
HULL, Gordon Ferrie	K.157
HUMBERSTONE, T. Lloyd	K.158
HUME-ROTHERY, William	D.92
HUMPHREYS, Francis	K.158
HUNTER, Ellis	J.63
HUNTER, Margaret Ursula	F.56, F.57
HURCOMB, Cyril William, 1st Baron	H.95, K.158
HURST, Sir Alfred (William)	H.9
HUSKINSON, Patrick	G.153, G.210
HUSKISSON, B. L.	G.363
HUTCHINGS, John Fenwick	G.462
HUTCHINSON, George Thomas	B.125, K.158
HUTTON, Dorothy	K.159
HUTTON, Edward F.	K.159
HUTTON, Sir Maurice (Inglis)	H.35
HUTTON, Robert Salmon	E.127
HUXLEY, Sir Julian (Sorell)	G.218
HYDE, Harford Montgomery	E.116
HYDE, Henry	K.159

- 1 -

IDDESLEIGH, Henry Stafford Northcote, 3rd Earl of	J.11
ILCHESTER, Helen, Lady	K.160
ILIFFE, Charlotte, Lady	K.160
ILIFFE, Edward Mauger, 1st Baron	K.160

Index of correspondents

IMPERIAL AIRWAYS LIMITED	D.93
IMPERIAL CHEMICAL INDUSTRIES LTD.	D.94 - D.113
INCE, Sir Godfrey H.	F.54, F.55 G.462 H.74, H.77, H.78, H.85 K.302
INCHYRA see MILLAR	
INDIA OFFICE	D.114
INGLIS, Air Vice-Marshal Francis Frederic	G.46, G.57, G.60
INGRAM, Collingwood	D.115
INSTITUTE OF PHYSICS	D.115
INTERNATIONAL NEWS SERVICE	K.160
IRVING, H. B.	F.1
ISMAY, General Hastings Lionel, ('Pug'), Baron	A.49, A.66 F.278, F.409 G.4, G.6 - G.8, G.12, G.35, G.58, G.81, G.139, G.168, G.179, G.226, G.228, G.247, G.256, G.269, G.275, G.290, G.305, G.318, G.320, G.351, G.361, G.366, G.371, G.389, G.390, G.394, G.400, G.424, G.425, G.443/1, G.518, G.538, G.550 H.28, H.45, H.191, H.248 J.97 K.161
ISMAY, Laura Kathleen, Lady	K.161
IVEAGH, Rupert Edward Cecil Lee Guinness, 2nd Earl of	K.162

- J -

JACKSON, Basil R.	A.106
JACKSON, Derek Ainslie	D.116, D.117 G.342, G.345, G.346 J.83
JACKSON, Eric Stead	G.63

Index of correspondents

JACKSON, Sir Herbert	C.13, C.16
JACKSON, Pamela	D.116, D.117
JACKSON, Vivien	K.163
JACOB, Lt.-General Sir (Edward) Ian (Claud)	F.11, F.66 G.48, G.52, G.60, G.61, G.154, G.157, G.165, G.226, G.269, G.288, G.320, G.354, G.358, G.360, G.366, G.400, G.413, G.425, G.441, G.442, G.502 J.159 K.163
JACOB, G. A.	K.163
JACOBY, J.	K.163
JAMES, C.	K.164
JAMES, Edward	K.44
JAMES, Venetia	K.164
JAMES, Walter	E.72
JAMES, Admiral Sir William Milbourne	G.446
JARDINE, D. R.	A.102
JARRETT, Sir Clifford (George)	G.394, H.160
JEANS, Sir James Hopwood	A.23, A.24 D.12, D.118, D.200, D.201 K.164
JEFFERIS, (Hon.) Major-General Sir Millis Rowland	G.113, G.150, G.250, G.251, G.254 - G.257, G.263, G.267 - G.270, G.272, G.273, G.275, G.276, G.281, G.286, G.287, G.289, G.291, G.293, G.295, G.298 - G.301, G.306, G.309, G.350, G.537 H.241, H.288 K.165
JEFFREYS, Sir Harold	D.119
JENKINS, Elgar	J.161
JEVONS, W.	D.178
JEWKES, John	F.48, F.50, K.166 See also H.68
JOACHIM, Hans	D.120

Index of correspondents

JOHNSON, Hewlett	D.62
JOHNSON, Sir Nelson King	G.221
JOHNSON, Raynor C.	D.121, K.166
JOHNSON, Richard C.	K.166
JOHNSTON, Thomas	D.5, H.84
JOHNSTONE, Gordon	A.60
JOHNSTONE, Harcourt	F.28, F.31, G.429, G.462
JOHNSTONE, Henry	J.43
JOHNSTONE, Margaret Montague	A.49, F.68, K.167
JOLLIFFE, Christopher	H.245, H.276
JOLY, J.	D.122
JONES, Sir (Bennett) Melville	K.168
JONES, Sir Clement Wakefield	K.168
JONES, Edgar	H.124, H.143
JONES, Sir Ewart (Ray Herbert)	B.156
JONES, Francis Edgar	D.196
JONES, Glyn	C.64
JONES, H. A.	A.14
JONES, Sir Harold Spencer	C.84, D.13, D.34, D.198, K.168
JONES, John Harry	F.84
JONES, Reginald Victor	A.60, A.71, A.85 D.123 - D.125, D.211 E.72 G.535, G.536 K.168 See also K.69
JOPSON, Sir (Reginald) Keith	H.172
JOSEPH, Sir Keith	B.133
JOUBERT DE LA FERTE, Air Chief Marshal Sir Philip Bennet	G.113, G.152, G.320, G.335, G.341, G.355
JOWITT, William Allen, 1st Earl	G.102, G.462, K.168
JUPE, P. F.	F.43 - F.49, F.51, F.52, F.54 - F.56, F.58, F.60 - F.63

Index of correspondents

- K -

KAFKA, Alexander	K.169
KAHN, E. C. R.	H.140
KAHN, Richard Ferdinand, Baron	H.2, H.3, H.104, H.290
KALLMAN, Hartmut	D.126 See also D.23, D.86
KAPITZA, Peter	E.108
KARDOFF, S. von	K.169
KARLIN, Noah	K.169
KATZENSTEIN, Robert	D.127
KAY, R. H.	D.128
KEEBLE, Sir Frederick	K.69
KEELEY, Thomas Clews	B.5, B.31, B.33, B.35, B.43 C.54, C.84 D.129 - D.134 E.67 G.211 J.141
KEEN, Catherine	K.169
KEENLYSIDE, Francis Hugh	F.65, H.96
KEESON, W.	C.37
KEILLER, James	K.169
KEITH-LUCAS, Bryan	K.169
KELLEY, Geoffrey L.	G.194
KELLY, J. Mervin	J.118, K.170
KELLY, John Norman Davidson	B.136
KELSALL, R. Keith	F.40
KEMBLE, E. C.	H.288
KEMSLEY, James Gomer Berry, 1st Viscount	J.43, J.74
KENCHINGTON, Arthur George	G.353
KENMARE, Valentine Edward Charles Browne, 6th Earl of	K.170
KENNEDY, Charles Marius	F.53 - F.55, F.402, F.403, F.407 G.157 H.300

Index of correspondents

KENNEDY, Geoffrey F.	G.444
KENNEDY-PURVIS, Admiral Sir Charles Edward	K.170
KEPPEL, Alice Frederica	K.170
KEPPEL, George	K.170
KER, A.	H.303
KERR, Philip Henry, later 11th Marquess of Lothian	D.54, D.55
KERRUISH, John R. J.	J.39, J.47
KERST, Donald W.	B.73
KEYES, Admiral Roger John Brownlow, 1st Baron	A.49 G.147, G.456, G.462 J.29, J.42, J.43 K.170
KEYNES, John Maynard, 1st Baron	G.523 H.69, H.126, H.148, H.201, H.223, H.298, H.321
KICHLU, P. K.	B.71
KIDSON, R.	H.123
KILLEARN, Jacqueline, Lady	A.61
KILMANY see ANSTRUTHER-GRAY	
KILMUIR see MAXWELL-FYFE	
KINDERSLEY, Elizabeth	K.171
KING, A.	G.231
KING, Edward Bolton	A.61, A.86 B.106 C.54 D.135 - D.138 F.8/3 G.389, G.393, G.394 J.16, J.18, J.22, J.33, J.37, J.40 See also D.234
KING, O. Bolton	D.135, D.136
KIRCHBERGER, L. J.	K.171
KIRK, Kenneth Escott, Bishop	K.171
KIRKPATRICK, Sir Ivone (Augustine)	K.171

Index of correspondents

KIRWAN, (Archibald) Laurence Patrick	J.134
KISCH, Sir Cecil	H.44
KISSINGER, Henry Alfred	E.134
KNIGHT, H. V.	H.316
KNIGHTS-WHITTOME, R. F.	G.362
KNOWLES, W. LI.	D.196
KNOX, Sir Robert Uchtred Eyre	A.71
KOCH DE GOOREYND, T.	D.139
KÖHNE, Eugen	D.140
KOMMERZ, Rudolf K.	D.140
KORDA, Sir Alexander	K.171
KRAITCHIK, Maurice	D.141
KUENSTLER, Peter	C.82
KUHN, Heinrich Gerhard	A.86
KURTI, Nicholas	A.86

- L -

LAITHWAITE, Sir (John) Gilbert	A.61, K.172
LAMB, Sir Walter Rangeley Maitland	A.49, K.172
LAMB, Willis E.	D.56
LAMBERT, C. C. I.	H.236
LAMBERT, George, 1st Viscount	J.63
LANCASTER, Claude Granville	J.69
LANCHESTER, Elsa	K.172
LANCHESTER, Robert	K.172
LANE POOLE, D.	J.17
LANG, Cosmo Gordon, of Lambeth	K.173
LANG, Richard O.	H.113
LANG-BROWN, Alan	K.173
LANGE, F.	D.142
LANSDOWNE, Elsie, Marchioness of	K.173

Index of correspondents

LASCELLES, Sir Francis (William)	K.173
LAST, Hugh	B.133
LATHAM, A.	A.61
LATHAM, R. E.	H.52
LATTEY, R. T.	B.1
LAUE, Max von	A.61, D.254
LAUGHTON, L. G. Carr	G.349
LAUWERYS, Joseph Albert	A.61, K.174
LAW, Richard Kidston, later 1st Baron Coleraine	H.37, H.84, H.303
LAWRENCE, Peter	K.175
LAWSON, A.	G.363, G.376, G.382, G.389
LAYCOCK, Major-General Sir Robert (Edward)	G.442
LEACH, J. C.	G.378
LEAK, Hector	F.51, H.124
LEATHERS, Frederick James, 1st Viscount	G.463, H.96, H.97, K.175
LE CHEMINANT, P. de L.	K.175
LEE, A. G.	B.19
LEE, Sir Frank (Godbould)	E.88, H.22
LEEMANS, A.	K.175
LEES-MILNE, James	J.26, J.39
LEES-SMITH, Hastings Bernard	F.29
LEGG, Leopold George Wickham	E.119, K.176
LEGH, Ruadh Daphne, Lady	K.177
LEHMANN, George	K.177
LEITCH, Sir William	F.66
LEITH-ROSS, Sir Frederick (William)	F.42
LE MAITRE, Sir Alfred (Sutherland)	B.154, F.40, F.41
LENDERSDORF, C.	A.22
LENIHAN, J. M. A.	D.142
LENNARD, Reginald Vivian	A.61, B.122, F.48, F.53, K.177

Index of correspondents

LENNARD-JONES, Sir John Edward	D.143, G.153, G.154, G.258
LENNOX-BOYD, Alan Tindal, later 1st Viscount Boyd of Merton	B.150, B.163 F.31 G.548 J.11, J.14, J.19, J.26, J.30, J.36, J.43, J.49, J.143 K.178 See also B.25
LENNOX-BOYD, Francis	J.36
LENNOX-BOYD, Patricia, Lady	K.178
LESLIE, Sir (John Randolph) Shane	G.463, J.32
LESTER, A. M.	G.63
LETHBRIDGE, Major-General John Sydney	G.266
LEVISON, John	A.71, B.59
LEVY, Hyman	G.526
LEWIS, Alfred	H.28
LEWIS, Jonathan T. S.	J.72
LEWIS, Wilfrid Bennett	C.84, G.343
LEWIS, W. C. McC.	D.144
LIEBERMANN, Max	D.144
LIGHTOWLER, Ronald	A.61
LILLICRAP, Sir Charles Swift	G.203
LIMERICK, Edward Colquhoun Pery, 5th Earl of	A.71, K.179
LINDEMANN, Adolphus Frederick	A.91 - A.93 See also A.8, A.26, A.28
LINDEMANN, Charles Jules Adolphe, Count Lindemann	A.94
LINDEMANN, Charles Lionel	A.36, A.95-A.97, A.106 D.145 - D.147, D.186 F.70 G.224, G.319 H.172 See also D.71
LINDEMANN, Erika	A.98
LINDEMANN, Frédéric	A.99
LINDEMANN, James (Sepi)	A.100
LINDEMANN, Olga	A.101

Index of correspondents

LINDSAY OF BIRKER, Alexander Dunlop, 1st Baron	A.31 B.22, B.28, B.98, B.110, B.133 D.154 E.68 F.55 G.463
LINDSAY, Elizabeth Patricia, Lady	K.180
LINDELL, Lt.-General Sir Wilfrid Gordon	F.69
LINNELL, T. N.	G.243, G.407
LINSTEAD, Sir (Reginald) Patrick	E.93
LISTOWEL, William Francis Hare, 5th Earl of	F.82, J.86, K.181
LITHGOW, Sir James	H.96
LIVINGSTONE, Sir Richard Winn	B.43, B.108, B.109, B.134, B.158 E.63
LLEWELLIN, John Jestyn, 1st Baron	G.374, G.502 H.4, H.35, H.36, H.38, H.84, H.291, H.293, H.295, H.308, H.316 K.181
LLEWELLYN, Fred B.	K.181
LLEWELLYN JONES, F.	B.61
LLOYD, Betty	K.181
LLOYD, Blanche, Lady	K.182
LLOYD, Geoffrey William	D.78 G.223 - G.225, G.312, G.313, G.361 H.43, H.45, H.49, H.118, H.119 J.47, J.132
LLOYD OF DOLOBRAN, George Ambrose, 1st Baron	F.23 G.463 J.10, J.15, J.17, J.19, J.43, J.49 K.182
LLOYD, Sir Hugh Pughe	E.121
LLOYD GEORGE, Gwilym, later 1st Viscount Tenby	H.17, H.18, H.84, K.182
LLOYD-GREAME, Sir Philip	B.6, B.7
LOCH, Lt.-General Sir Kenneth Morley	F.48, F.49, G.404

Index of correspondents

LOCK, Norman F.	A.24
LOCKER-LAMPSON, Oliver Stillingfleet	D.57, G.463, K.182
LOCKET, Lionel	H.12
LOCKSPEISER, Sir Ben	A.49, A.71 B.52 D.210 E.88 G.152, G.170, G.222 K.182
LODGE, Sir Oliver	B.5, C.40, C.65
LONDON, Fritz	See D.23
LONDON, Heinz	D.148
LONDONDERRY, Charles Stewart Henry Vane-Tempest-Stewart, 7th Marquess	G.38, H.216, K.183
LONDONDERRY, Edith Chaplin, Marchioness of	K.184
LONG, John	B.145
LONGAIR, A. K.	B.72, C.84
LONGDEN, Alfred A.	J.29
LONGFORD see PAKENHAM	
LOOSLI, C. E.	K.185
LORENTZ, H. A.	C.82, D.149
LOTHIAN see KERR	
LOVATELLI, E. W.	K.185
LOVEDAY, Alexander	E.72
LOVEDAY, Arthur Frederic	J.48
LOVELL, Sir (Alfred Charles) Bernard	D.149
LOWE, D. N.	H.2
LOWE, John	B.106, B.132, K.285
LOWE, T.	C.20
LUBBOCK, I.	G.241
LUBBOCK, Maurice	G.268
LUBIN, Isador	A.61, G.359, K.186
LUCAN, George Charles Bingham, 5th Earl of	J.70

Index of correspondents

LUCAS, George William, Baron	K.187
LUCAS, Oliver	G.251, G.368, G.407
LUCE, Clare	K.187
LUDLOW-HEWITT, Air Chief Marshal Sir Edgar Rainey	G.94, G.178, K.187
LUTYENS, Sir Edwin Landseer	K.187
LUMSDEN, W. W.	G.160
LYLE, Charles Ernest Leonard, 1st Baron	J.40, K.188
LYONS, Sir Henry George	C.57
LYS, Francis John	B.16, B.97, D.60, K.188
LYS, Muriel B.	K.188
LYTTELTON, Oliver, later 1st Viscount Chandos	B.61 F.409 G.153, G.154, G.157, G.311, G.325, G.355, G.367, G.547, G.548 H.78, H.126, H.167, H.198, H.236, H.248, H.307 J.122 K.188
LYTTON, Pamela, Lady	K.188
LYWOOD, Air Vice-Marshal Oswyn George William Gifford	A.61 G.228, G.320, G.323, G.335, G.341, G.345, G.442

- M -

MABANE, William, 1st Baron	K.189
McCALLUM, Ronald Buchanan	B.102
McCANCE, Sir Andrew	E.85
McCOMBIE, Hamilton	A.19, B.3, B.5
McCORQUODALE, Malcolm Stewart, 1st Baron	K.189
MACDONALD, David Keith Chalmers	D.151, J.142
MACDONALD, J. Ross	K.189

Index of correspondents

MACDONALD, James Ramsay	F.6/1
MACDONALD, Malcolm John	K.189
MACDONALD, N.	G.88
MACDOUGALL, Sir (George) Donald (Alastair)	F.61, F.63, F.69, F.79, F.82, F.398 - F.400 G.57, G.146, G.500 H.8 - H.19, H.22, H.23, H.26, H.37, H.39, H.41, H.44, H.45, H.50, H.53, H.62, H.63, H.69, H.70, H.79, H.87, H.90, H.99, H.101, H.107, H.108, H.111, H.115, H.118, H.121, H.140 - H.143, H.159, H.174, H.175, H.178, H.182, H.189, H.192, H.195, H.197, H.199, H.206, H.220, H.224, H.267, H.274, H.285, H.315 J.89, J.114, J.115, J.123, J.125 - J.129, J.148
McELWEE, Patience	K.189
McGOWAN, Harry Duncan, 1st Baron	A.62 D.95 - D.99, D.104, D.109, D.112 E.76 G.267 H.237, H.265 J.32
MACGREGOR-MORRIS, John Turner	D.151
MACHUGH, Joe	K.189
MACINTOSH, Sir Robert (Reynolds)	D.156
MACKAY, D.	G.514
MACKENZIE, William James Millar	D.225, G.168
McKERROW, George	B.12, D.151
MACKIE, J. M.	D.60, J.39
MACKINNON, Duncan	A.107
MACKINNON, L.	D.241
MACKINTOSH, Ernest Elliot Buckland	E.113
MACLAGAN, Michael	B.122 J.18, J.19, J.39, J.47, J.161 K.189
MACLAGAN, William Gauld	G.533

Index of correspondents

MACLEAN, B. D.	H.276
MACLEAN, Lachlan L.	F.29, F.31, G.152, G.464
MCLEAN, Mary S.	F.49, F.53, G.189
MCLEAN, Sir Robert	D.152
MACLENNAN, Hector R.	D.152
MACLEOD, Josephine	D.62
MACLEOD, N.	H.88
MACMAHON, Percy A.	A.23
MACMILLAN, Sir (Maurice) Harold	B.149, G.364, H.41, J.129, K.190
MACMILLAN, Norman	A.16
MCNAUGHTON, General Andrew George Latta	G.267, K.191
McNEILL, K. G.	D.152
MACRAE, Robert Stuart	A.50 G.250 - G.264, G.272, G.274, G.276, G.283, G.285, G.287 - G.299, G.301, G.305, G.346, G.350 H.241
MACREADY, F. W.	G.503
MACREADY, Lt.-General Sir Gordon (Nevil)	G.156, G.289
MACREADY, J.	G.504
McWATTERS, Sir Arthur Cecil	B.28, B.30, B.31, B.34, B.35, B.99, B.104, B.106 - B.108 K.191
MADAN, Falconer	B.92, B.95, B.96
MAGEE, Bryan	K.191
MAGGINI, M.	D.153
MAGUIRE, Julia	K.191
MAIDMENT, Jessie Helen	F.68
MAKINS, Geoffrey E.	J.39, J.49
MAKINS, Roger Mellor, later 1st Baron Sherfield	B.33, E.55, K.192

Index of correspondents

MAKOWER, M. S.	F.72, G.513, H.7, H.42
MALCOLM, C. R.	G.537
MALLABY, Sir (Howard) George (Charles)	K.193
MALLET, Sir (William) Ivo	H.236
MALPAS, Harold A.	K.193
MANCROFT, Stormont Mancroft Samuel, 2nd Baron	K.193
MANDER, Sir Geoffrey Le Mesurier	K.193
MANNING, Olga Mary, Lady	B.163, K.194
MANSENGH, Admiral Sir Maurice (James)	F.104, G.147
MANSFIELD, Mungo David Malcolm Murray, 7th Earl of	J.29
MANSON, A. J.	H.276
MARGESSON, Henry David Reginald, 1st Viscount	G.226, K.195
MARJORIBANKS, Edward	K.195
MARKHAM, Sir Henry Vaughan	F.56
MARLBOROUGH, Gladys Marie, 9th Duchess of	K.196
MARLBOROUGH, Mary, 10th Duchess of	K.196
MARSH, Sir Edward	K.68, K.197
MARSTRAND, O. J.	K.197
MARTIN, Cyril John	F.59, F.72, F.83, F.401 - F.406 G.85, G.156 - G.158, G.162, G.166, G.308, G.328, G.359, G.367, G.369 - G.371, G.505 - G.508, G.513 - G.516, G.518 - G.524, G.544 H.7, H.78, H.87 - H.89, H.91, H.92, H.113, H.139, H.143, H.174, H.234, H.235, H.262
MARTIN, Sir David (Christie)	A.83, A.86 D.208 - D.212, D.214
MARTIN, Sir John (Miller)	A.71 D.124, D.258 F.43, F.401 G.28, G.35, G.43, G.152, G.256, G.445 H.144, H.156, H.298, H.305 J.52, J.60 K.197

Index of correspondents

MARTINDELL, Jackson	A.77
MASARYK, Frances	K.198
MASARYK, Jan Garrigue	B.33, K.199, K.267
MASSEY, Sir Harrie Stewart Wilson	D.10
MASSEY, Vincent	B.44
MASSIGLI, René	A.62
MASTERMAN, C. A.	G.528
MASTERMAN, Sir Christopher Hughes	J.67
MASTERMAN, Sir John (Cecil)	A.28, A.40, A.50 B.137, B.152 G.464 J.93 K.200
MATTHIAS, A.	D.153
MAUD, John Primatt Redcliffe (later Redcliffe-Maud)	B.122, G.546, H.33, H.35, K.201
MAUDE, Angus Edmund Upton	K.201
MAUDLING, R.	G.541
MAUGHAM, Frederic Herbert, 1st Viscount	A.62
MAX-MULLER, Wanda Maria, Lady	A.62, K.202
MAX-MULLER, Sir William Grenfell	K.202 See also J.56
MAXWELL, Henry	J.82
MAXWELL-FYFE, David Patrick, 1st Earl of Kilmuir	K.203
MAY, Percy	G.464
MAYER, Edmund	D.153
MAYER, Hilda L.	K.203
MAYHEW, E. B.	A.61
MAYO, Robert Hobart	D.245
MEADE, James Edward	H.170, H.208, H.298
MEES, Charles Edward Kenneth	A.102, B.72, K.203
MEHTA, Sir Chunilal V.	D.114, K.203
MEIGGS, Russell	H.62, J.33, J.34

Index of correspondents

MEIKLEJOHN, Robert P.	G.368
MEITNER, Lise	See D.154
MELCHETT, Amy Gwen, Lady	A.71, J.76, K.204
MELCHETT, Henry Mond, 2nd Baron	D.102, D.105 - D.107, D.109 - D.112, D.225 G.226, G.267-G.272, G.289, G.290, G.302, G.349, G.442, G.464, G.529 H.33, H.117, H.139, H.240, H.241 J.54, J.59, J.60, J.64, J.76 K.68, K.204, K.213
MELCHETT, Julian Edward Alfred Mond, 3rd Baron	D.113, K.213
MELCHETT, Violet, Lady	K.204
MELLANBY, Sir Edward	D.155
MELLOWS, A. W.	A.71, A.127
MELVILLE, Sir Harry (Work)	G.441
MELVILLE, Sir Ronald (Henry)	G.8 - G.10, G.38
MENDELSSOHN, Kurt Alfred Georg	A.86, D.156 See also D.100, D.130
MENDOZA, Samuel	A.62, A.71, K.205
MENGER, W.	D.157
MENZIES, Sir Robert (Gordon)	E.55, K.205
MERREN, W. J. R.	D.158
MERTON, Marjory, Lady	K.206
MERTON, Sir Thomas Ralph	A.23, A.28, A.71 C.13 D.10, D.158, D.213, D.214 G.375 H.247 K.206
MERTON, William R.	F.405 G.84, G.98, G.99, G.139, G.173, G.217, G.224, G.229, G.286, G.309, G.344, G.347, G.359, G.415, G.424 - G.426, G.431, G.434, G.435, G.442, G.456, G.467 K.206

Index of correspondents

MEYER, Eugene	J.135
MEYER, Stefan	D.159
MIALL, R. Leonard	E.114
MICHELSON, Albert Abraham	A.21, D.159
MIDDLETON, Madeleine, Lady	A.40, A.50, K.207
MIDDLETON, St. John Brodrick, 1st Earl of	F.67, J.29, K.207
MILES, Charles K.	G.404, G.405
MILES, Sir John	J.10, J.14
MILES, W.	G.2
MILLAR, Frederick Robert Hoyer, later Baron Inchyra	G.548, K.208
MILLER, Harry M.	D.192, K.208
MILLER, Louise	K.208
MILLIKAN, Greta Blanchard	K.208
MILLIKAN, Robert Andrews	A.6, A.21, K.208
MILNE, Edward Arthur	B.51, B.91 - B.93, B.121 C.66 D.160 G.301, G.302
MILNE, J. G.	D.39
MILNER, James, 1st Baron	G.464
MILNES GASKELL, Constance, Lady	K.209
MINNS, William	D.161
MINTO, Mary, Lady	K.209
MINTOFF, Dominic	K.107
MIRLEE, M.	K.211
MITCHELL, Harold	J.19
MITFORD, Diana (later Guinness, afterwards Mosley)	K.211
MITFORD, Thomas	K.211
MITZAKIS, M.	G.353, J.104
MOBERLEY, Sir Walter (Hamilton)	K.212

Index of correspondents

MÖGLICH, Friedrich	D.161
MOLESWORTH, Lt.-General George Noble	H.126
MOLSON, (Arthur) Hugh (Elsdale), Baron	D.77, D.161, F.27, J.132
MONACO, Pierre de	K.212
MONCK, Bosworth E.	G.548, H.198, H.251
MONCKTON, Walter Turner, 1st Viscount	J.141, J.142, K.212
MOND, Henry see MELCHETT	
MOND, Derek John Henry	J.161, K.213
MOND NICKEL COMPANY LIMITED	D.162
MOND, Sir Robert Ludwig	D.184 See also D.156
MOND, Yvonne (later Rowe)	A.82, K.213
MONTAGU, Venetia	K.214
MONTAGUE BROWNE see BROWNE	
MONTGOMERY, Field-Marshal Bernard Law, 1st Viscount	K.213
MONTGOMERY, Theresa	K.213
MOON, Philip Burton	D.10
MOORE, Admiral Sir Henry Ruthven	G.275, K.215
MOORE, J. H.	K.215
MOORE-BRABAZON see BRABAZON OF TARA	
MORAN, Charles McMoran Wilson, 1st Baron	K.215
MORGAN, E. Victor	F.84
MORGAN, W. C.	A.40
MORGENTHAU, Henry	H.280, H.281, K.215
MORLAND, Michael	A.62
MORLEY, Ralph	J.83
MORRIS, G. S.	H.296
MORRIS, H. J.	A.40, K.215

Index of correspondents

MORRISON, Herbert Stanley, Baron	F.409, G.415, G.419, G.428, H.62, H.71
MORRIS, James [Jan.]	K.215
MORRISON, William Shepherd, later 1st Viscount Dunrossil	H.23, J.24, J.36, J.39, K.215
MORTON, Sir Desmond John Falkiner	A.40, A.50 F.27, F.29 G.6, G.62, G.92, G.148, G.152, G.155, G.156, G.219, G.226, G.276, G.287, G.350, G.361, G.444, G.445, G.452, G.465, G.510, G.526 H.12, H.65, H.115, H.116, H.121, H.229, H.276, H.284, H.286, H.310 - H.312, H.314 J.60 K.216, K.295
MOSS, Daisy	K.217
MOTT, Sir Nevill (Francis)	D.10, D.163, D.178
MOTTERSHEAD, Frank William	G.349, G.350, G.434
MOTZ, Hans	E.86
MOULLIN, Eric Balliol	D.164, G.320
MOULTON, John Fletcher, Baron	G.469
MOUNTBATTEN OF BURMA, Louis (Francis Albert Victor Nicholas), 1st Earl	D.258, G.237, G.310, K.217
MOUNTFORD, Sir James (Frederick)	K.217
MOYNE, Evelyn Erskine, Lady	K.217
MOYNE, Walter Edward Guinness, 1st Baron	G.465, K.217
MUIR, H. J.	F.32, F.35, G.454
MULHOLLAND, Olivia	K.217
MUNFORD, H. G.	K.218
MÜNKLER, Karl	A.74
MUNNINGS, Sir Alfred J.	K.218
MUNSTER, Geoffrey William Richard Hugh FitzClarence, 5th Earl of	K.218
MURDOCH, K. R.	K.218
MURE, Molly	K.218

Index of correspondents

MURRAY, Arthur C.	G.458
MURRAY, (George) Gilbert (Aimé)	K.219
MURRAY, H. D.	K.220
MURRAY, J. O'Hara	K.220
MURRAY, John	D.201, G.465
MURRAY, John	E.104
MURRAY, Keith Anderson Hope, Baron	B.64, B.109, K.220
MURRAY, Mary Henrietta, Lady	K.219
MURRIE, Sir William (Stuart)	H.89, K.220
MUSGRAVE, Forrest	K.220

- N -

NAMIER, Sir Lewis Bernstein	K.221
NAPIER, Arthur	G.425
NATIONAL GEOGRAPHIC SOCIETY	K.221
NAYLER, J. L.	F.1 - F.3
NAYLOR, Arthur Holden	E.132
NEEDHAM, Joseph	D.166
NELSON, George Horatio, 1st Baron	K.221
NERNST, Emma	D.169, D.172
NERNST, Walther Herman	D.167 - D.172 See also A.3, C.72, D.32, D.87, E.118
NETTMANN, Otto	K.222
NEUMANN, Karl	K.222
NEVIN, Thomas E.	B.76
NEWCOMBE, S. F. N.	K.222
NEWMAN, Trevor C.	B.92, B.94
NEWTON, Henry	G.455
NICHOLL, A. D.	G.168
NICHOLS, Russell	G.191

Index of correspondents

NOETZLIN, Jacques	D.173
NORMAN, M. R.	G.165, G.360
NORMANBROOK see BROOK	
NORTH, F. W. G.	H.63, H.64
NORTH OF SCOTLAND HYDRO- ELECTRIC BOARD	K.222
NORWICH see COOPER	
NORWOOD, Sir Cyril	E.67
NOWAK, W. Alexander H.	K.222
NUFFIELD, Lilian, Lady	A.62, K.223
NUFFIELD, William Richard Morris, 1st Viscount	A.50 B.46, B.62, B.115 F.31 G.466 K.223 See also B.12, B.25
NYE, Lt.-General Sir Archibald (Edward)	G.270, K.224

- O -

OAKES, John B.	E.33
OAKESHOTT, Walter Fraser	A.82, B.135
OATES, P. G.	J.138, J.145, J.146
O'BRIEN, Sir Tom	K.225
O'CONNOR, Sir Terence James	J.19, J.24, J.34, J.36, J.40, K.225
OEFTERING, H. M.	K.226
OFFORD, D. S. J.	G.113, G.278, G.282
OGG, Sir William Gammie	A.67
O'GORMAN, Mervyn	A.10, C.13, D.174 See also A.16
O'HEA, J.	F.68, G.241
OLIPHANT, Sir Mark (Marcus Laurence Elwin)	A.86, G.322, G.526, J.81

Index of correspondents

OLIVER, G. N.	G.363, G.378
OPIE, Redvers	H.157, K.226
OPPENHEIMER, Harry Frederick	D.174
ORAM, O. J.	H.127
ORIEL, John Augustus	E.86
ORME, John Samuel	G.8, G.280
ORMSBY-GORE, William George Arthur, later 4th Baron Harlech	J.26, K.226
OROWAN, Egon	E.69
ORR-EWING, Charles Ian	J.98, J.105
OSBORN, Frederick	E.14
OWEN, George E.	K.227
OWEN, Sidney George	K.227
OWEN, W. A.	K.227
OWER, E.	F.2, F.71
OWTRAM, G.	G.471
OXFORD AND ASQUITH, Herbert Henry, 1st Earl	J.3

- P -

PAGE, D. L.	K.228
PAGE, Sir Frederick Handley	K.228
PAGET, J.	F.27
PAGET, Muriel, Lady	K.228
PAKENHAM, Antonia (later Fraser, afterwards Pinter)	K.230
PAKENHAM, Francis Aungier, later 7th Earl of Longford	A.50, A.63 J.78, J.89, J.100, J.113 K.34, K.229, K.302
PAKENHAM-WALSH, Major-General Ridley P.	F.29, K.230
PALMER, Sir William	H.63, H.65
PAM, Albert	A.63, J.89, J.93, K.231

Index of correspondents

PANETH, Friedrich Adolf	A.72, D.175
PARBURY, Florence	K.232
PARIS, Sir Edward (Talbot)	K.232
PARK, E. Gordon	K.232
PARKER, Sir Harold	F.43 - F.45, J.122
PARKER, Sir Karl T.	D.176
PARKINSON, John Richard	F.53, F.61, F.84, F.403 - F.406 G.71, G.73, G.75, G.76, G.138, G.154, G.198, G.199, G.202, G.203, G.435, G.508, G.524 H.1, H.16 - H.20, H.36, H.38, H.40, H.52, H.53, H.57, H.59, H.66, H.99, H.127, H.219, H.232, H.262 J.114, J.123, J.125
PARLIAMENTARY AND SCIENTIFIC COMMITTEE	A.63, K.233
PARMOOR, Charles Alfred Cripps, 1st Baron	A.27, B.7
PARMOOR, Marion Emily, Lady	K.234
PARRY, E.	D.176
PASSAT, H. B.	G.469
PATTERSON, Bruce	K.234
PATTERSON, R. O.	K.234
PEAKE, Charles	A.96
PEARCE, T. C.	F.235
PEARSON, H.	K.235
PECK, John Howard	F.409 G.50, G.56, G.142, G.152, G.228, G.236, G.245, G.388, G.389, G.466, G.510 H.18, H.25, H.121, H.263
PECK, Air-Marshal Sir Richard Hallam	G.397
PEIERLS, Sir Rudolf (Ernst)	D.176, J.66, J.117
PEIRSE, Air Chief Marshal Sir Richard Edmund Charles	G.98, G.181, G.182, G.184, G.222
PEIRSON, D. E. H.	B.54

Index of correspondents

PENNEY, William George, Baron	G.259, J.83, K.235
PENNIMAN, W. A.	D.39
PERCIVAL, Constance	K.235
PERCIVAL, Sir Harold	G.466
PERRIN, Sir Michael (Willcox)	A.72, D.177, G.262, J.93 See also E.51
PERROTT, Sir Donald (Cyril Vincent)	A.72, J.147
PERRY, Silas S.	J.64
PERY, Anne, Lady	A.72, K.235
PETAVEL, Sir Joseph Ernest	F.26
PETERS, Sir Rudolph Albert	A.40, A.87, B.140, K.235
PETHERAM, C. S.	G.362
PETHICK-LAWRENCE, Frederick William, 1st Baron	J.72
PHILIPPS, John	K.235
PHILLIPS, Margaret G.	F.58
PHILLIPS, Admiral Sir Tom Spencer Vaughan	G.111
PICKARD, George L.	K.236
PICKAVANCE, Thomas Gerald	B.53
PIDCOCK, Air Vice-Marshal Geoffrey Arthur Henzell	G.270, G.278, G.279, G.282, G.351
PIERCE, Sir Leonard	G.468
PIESTRAK, C. S.	G.466
PILE, General Sir Frederick Albert	G.163, G.236, G.326, G.401, G.432 K.236
PILLEY, John	D.179, K.236
PINSENT, Ellen F.	K.236
PIPPARD, Sir (Alfred) Brian	K.236
PIRENNE, Maurice H.	D.179
PITBLADO, Sir David (Bruce)	H.134, H.136, H.137, H.281 J.111, J.122, J.138, J.146
PLANCK, Max	D.57

Index of correspondents

PLANT, I. G. P.	B.26
PLASKETT, Edith A.	K.237
PLASKETT, Harry Hemley	A.50, A.87 B.61, B.92 - B.94, B.96 C.72 D.179 G.467 K.237
PLATZMAN, Robert L.	K.237
PLAYFAIR, Sir Edward Wilder	H.276
PLESCH, Janos	D.179
PLEYDELL-BOUVERIE, G.	A.28
PLOWDEN, Edwin Noel, Baron	B.54, D.250, G.66, H.42, J.147, K.285
PLOWMAN, Harry	B.147, B.155, B.156, K.237
PLUGGE, Leonard F.	K.233
PLUMMER, H. C.	B.91, K.237
POHL, Robert W.	D.180
POLE-CAREW, Marye	K.238
POLLOCK, Herbert C.	B.75
POLLOCK, Sir (John) Donald	B.20, K.238
POLWARTH, Henry Alexander Hepburne- Scott, 10th Baron	J.150
PONTIUS, R. B.	B.68
POPE, Sir William Jackson	D.86
POPHAM, Air Chief Marshal Sir (Henry) Robert (Moore) Brooke-	B.2, F.5/1, F.24
PORTAL, Marshal of the Royal Air Force Charles Frederick Algernon, ('Peter'), 1st Viscount of Hungerford	A.72, A.81 B.74 G.13, G.22, G.27, G.38, G.43, G.45, G.46, G.48, G.52, G.53, G.62, G.72, G.80, G.81, G.88, G.98, G.128, G.150, G.152, G.172, G.179, G.182, G.189, G.195, G.197, G.224, G.253, G.279, G.285, G.321, G.322, G.324, G.343, G.346, G.424, G.467, G.541 H.286 J.66 K.239

Index of correspondents

PORTAL, Jane	G.550
PORTAL, Wyndham Raymond, 1st Viscount of Laverstoke	H.84
PORTLAND, William John Arthur, 6th Duke of	K.240
PORTLAND, Winifred, 6th Duchess of	A.40, K.240
POSKITT, F. R.	D.181
POSTAN, Michael	F.408, H.140, H.141, K.241
POULTON, Sir Edward (Bagnell)	K.242
POULTON, Sir Edward Palmer	B.140, D.181
POWELL, Christopher	K.233
POWELL, Herbert Marcus	B.156
POWELL, (John) Enoch	J.74, J.93
POWELL, Sir Richard (Royle)	K.242
POWICKE, Sir (Frederick) Maurice	K.242
POWIS, C. O.	F.30
POYNDER, F. C.	J.22
POYNTON, Sir (Arthur) Hilton	G.63
PRATT, J. Gordon	G.361
PRATT, J. Davidson	D.16, G.441
PRICE, C. R.	G.357
PRICE, Richard P.	K.243
PRICHARD, Harold Arthur	D.181
PRIDHAM, Vice-Admiral Sir (Arthur) Francis	A.50 G.254, G.263, G.278, G.279, G.442 H.241 K.213, K.243
PRINCE, C. E.	K.242
PRING, J. Heathcote	J.40
PRINGLE, J. S.	G.307
PRINGSHEIM, Peter	D.181
PROCTOR, Sir (Philip) Dennis	H.166
PROFUMO, John Dennis	J.109

Index of correspondents

PROUDMAN, Joseph	D.182
PRYCE, Maurice Henry Lecorney	A.72, B.51, D.14, D.182, K.242
PUCKLE, Guy Bridge	A.63, A.123, G.467, K.244
PURBRICK, Reginald	G.467, K.244
PURCELL, Dinah	K.244
PURVIS, Arthur Blaikie	H.160
PYE, Sir David (Randall)	B.34 D.123, D.229 F.30, F.31, F.36, F.54 G.174, G.181, G.353, G.376, G.469, G.529

- Q -

QUEENSBOROUGH, Almeric Hugh Paget, 1st Baron	K.244
QUILTER, P. C.	D.182
QUIRKE, Raymond	A.51
QUIRR, R. N.	H.276

- R -

RABINOWITSCH, E.	D.183
RADCLIFFE, Geoffrey Reynolds Yonge	J.3, J.5, J.69
RADERNACHER, Hans	D.183
RADICE, Edward Albert	G.519
RADIO CORPORATION OF AMERICA	K.245
RADO, Richard	D.184
RAIKES, Humphrey Rivaz	A.23, D.185
RAISIN, Timothy Hugh Francis	J.161
RALEIGH, Sir Walter (Alexander)	A.14
RAMSAY, Sir Alexander	H.41
RAMSAY, Cynthia	K.245
RAMSEY, Norman F.	A.82, B.76
RANDALL, Sir John (Turton)	A.63, D.185, E.129

Index of correspondents

RANKEILLOUR, Arthur Oswald James Hope, 2nd Baron	J.63, K.245
RANKIN, Robert A.	C.74
RAPKINE, Louis	D.186
RATCLIFFE, John Ashworth	K.245
RAWLES, Verena	F.68
RAWLINS, F.	F.41
RAWLINSON, A. R.	G.38, G.43
RAWLINSON, Alfred Edward John, Bishop of Derby	A.51, A.63, A.72, J.154, K.246
RAWSON, Sir Stanley Walter	K.246
RAYLEIGH, John Arthur Strutt, 5th Baron	K.246
RAYLEIGH, Kathleen Alice, Lady	D.187
RAYLEIGH, Robert John Strutt, 4th Baron	A.21, D.4, D.178, D.187, D.205 See also D.197
READ, Sir Herbert	K.246
READING, Gerald Rufus Isaacs, 2nd Marquess of	K.247
READING, Stella, 1st Marchioness of (later Baroness Swanborough)	A.51, B.23, F.68, K.247
REDCLIFFE-MAUD see MAUD	
REDDAWAY, William Brian	H.3
REDMAYNE, J. S.	K.248
REED, Frank F.	G.191
REED, Sir (Herbert) Stanley	G.253, G.257
REEDER, A.	H.78, H.81, H.85
REES-MOGG, Graham	J.72
RENNELL, Francis James Rennell Rodd, 2nd Baron	J.134
RENWICK, Sir John Robert	G.324, G.325, G.329, G.343, G.344, G.346
RENWICK, Robert Burnham, 1st Baron	D.189
REVES, Emery	K.248

Index of correspondents

ROBERTSON, Sir Malcolm Arnold	K.251
ROBERTSON, Norman Alexander	K.251
ROBERTSON, Sir Robert	D.191, D.245
ROBERTSON SCOTT, John William	A.63, K.251
ROBINSON, (Edward) Austin (Gossage)	F.54, H.107, H.195, H.199
ROBINSON, Edward Stanley Gotch	B.115, K.252
ROBINSON, H. W.	F.54 G.155, G.158, G.166, G.179, G.182, G.357, G.364, G.366, G.500, G.503, G.506, G.512 H.8, H.26, H.27, H.49, H.60, H.62, H.70, H.93, H.160 K.252
ROBINSON, Sir Robert	A.41, A.63, A.87 B.61 G.441 K.231, K.252
ROBINSON, William S.	G.259, K.41, K.252
ROCHEFORT, Sacha de	K.253
ROCHETAILLÉE-BROGLIE, Camille	K.253
ROCK, Philip	K.254
ROCKEFELLER FOUNDATION	D.192
RODGER, Sir Alexander	B.98, D.114, K.254
ROGER, Sir Alexander	G.468
ROMILLY, Nellie	K.254
RONALD, Sir Nigel Bruce	H.168
ROOKE, Harry	K.254
ROOSEVELT, Franklin Delano	H.37, H.243
ROOT, Frederick James	H.105
ROOT, Lin	D.193
ROOTES, William Edward, Baron	A.51, A.63, K.255
ROSEBERY, Albert Edward Harry Primrose, 6th Earl of	K.256
ROSEWAY, Sir (George) David	G.168, G.510
ROSINSKI, Herbert	K.256

Index of correspondents

REYNOLDS, John Henry	A.28, K.248
RICARDO, Sir Harry (Ralph)	D.229, G.365, K.249
RICE, David Talbot	K.249
RICE, Marcella	K.249
RICHARDSON, Harry	E.73
RICHARDSON, Sir Owen Willans	See C.6
RICHES, Kenneth, Bishop of Dorchester	K.97
RICKETT, Sir Denis Hubert Fletcher	F.408, G.545, H.132
RIDDELL, Sir Walter (Robert) Buchanan-	J.5
RIDDELL, Lord	B.124
RIDDIFORD, L.	D.214
RIDEAL, Sir Eric (Keightley)	A.41, G.174
RIDGEWAY, J.	G.324
RIDLEY, Maurice Roy	D.60
RIDLEY, Rosamond, Lady	K.249
RILEY, D. P.	D.190, K.249
RINTOUL, William	D.94 - D.96
RIPPON, (Aubrey) Geoffrey (Frederick)	J.161
RITCHIE, William	H.276
RITCHIE-CALDER see CALDER	
RITSON, D. M.	D.190
RITSON, Sir Edward Herbert	F.46, F.47, F.51
ROAF, Douglas	B.68, D.131, D.190, D.205 See also B.126
ROBERTS, C. E. Beckhofer	A.28
ROBERTS, Colin Henderson	E.18
ROBERTS, Irene	K.250
ROBERTS, J. M.	K.251
ROBERTSON, Sir Charles Grant	D.228
ROBERTSON, Sir Dennis Holme	F.408
ROBERTSON, George Scott	H.27, H.29, H.31
ROBERTSON, John Archibald Campbell	G.28, G.36, G.38, G.54, G.55

Index of correspondents

ROSKILL, Oliver Wentworth	G.29
ROSSITER, F.	F.36
ROSTAS, L.	H.222
ROTHERMERE, Esmond Cecil Harmsworth, 2nd Viscount	F.37, K.257
ROTHERMERE, Harold Sidney Harmsworth, 1st Viscount	J.40, K.258
ROTHSCHILD, Dorothy de	K.259
ROTHSCHILD, James A. de	K.259
ROTHSCHILD, Marie Louise de	K.259
ROTHSCHILD, Miriam (Miriam Lane)	K.259
ROTHSCHILD, Nathaniel Mayer Victor, 3rd Baron	D.88, D.193 G.220, G.226, G.468, G.526 K.259
ROUVIER, Jean	K.260
ROWAN, Sir (Thomas) Leslie	A.53, A.54 C.84 D.258 G.60, G.61, G.150, G.236, G.351, G.413, G.546 H.9, H.50, H.72, H.92, H.96, H.287 J.67, J.115, J.119 K.260
ROWE, Albert Percival	D.194 F.9/1, F.9/2, F.9/4 G.149, G.324, G.343
ROWLANDS, Sir Archibald	G.189
ROWSE, Alfred Leslie	G.468, K.261
ROWSE, Arthur A.	K.261
ROYAL AERONAUTICAL SOCIETY	D.195
ROYAL AIRCRAFT ESTABLISHMENT	D.196
ROYAL ASTRONOMICAL SOCIETY	D.197
ROYAL GREENWICH OBSERVATORY	D.198
ROYAL METEOROLOGICAL SOCIETY	D.199
ROYAL SOCIETY	D.200 - D.214
ROYAL SOCIETY OF ARTS	K.261

Index of correspondents

RÜCHARDT, E.	D.215
RUCKER, Sir Arthur Nevil	H.232
RUMBOLD, Ethelred, Lady	A.28, A.72, K.262
RUMBOLD, Sir Horace Anthony Claude	K.262
RUMBOLD, Sir Horace George Montagu	K.262
RUNNION, Marjorie B.	K.263
RUSHBROOKE, J.	H.114
RUSPOLI	K.263
RUSS, Sydney	D.216
RUSSELL, Alexander Smith	E.104, K.263
RUSSELL, Henry	D.217
RUSSELL, R. Scott	D.217
RUTHERFORD, Ernest, Baron	A.23, A.28, B.3, D.218, E.118
RUTLEDGE, G. H. L.	A.72
RYAN, Johnnie	A.63
RYLE, Gilbert	D.219, F.415, G.442
RYLE, John A.	D.220
RYLE, Sir Martin	D.221

- S -

SACHS, Ferdinand	A.75
SADD, Sir Clarence Thomas Albert	K.264
SADLER, Sir Michael Ernest	D.55
SAHA, M. N.	C.37 See also D.76, E.130
SALISBURY, Cecily Alice, 4th Marchioness of	K.264
SALISBURY, Robert Arthur James Gascoyne Cecil, 5th Marquess of	B.52 E.81, E.82 J.82, J.100, J.146 K.264
SALISBURY-JONES, Guy	K.264
SALMOND, Air Chief Marshal Sir (William) Geoffrey (Hanson)	F.4

Index of correspondents

SALMOND, Marshal of the Royal Air Force Sir John (Maitland)	G.168
SALT, Sir Edward William	H.236
SALTER, (James) Arthur, 1st Baron	A.73, B.164, G.468, H.30, H.159, J.129
SALTOUN, Alexander Arthur Fraser, 19th Lord	J.70
SAMPSON, M. T.	K.265
SAMUEL, Herbert Louis, 1st Viscount	C.64, J.51, K.265
SANDERS, J. H.	K.265
SANDERSON, L. H. F.	D.99, D.100, D.126, K.292
SANDFORD, Sir Folliott Herbert	G.5, G.10
SANDFORD, Kenneth Stuart	K.265
SANDYS, Duncan Edwin, later Baron Duncan-Sandys	A.51 B.152, B.157, B.158 G.166, G.294, G.295, G.407, G.413, G.431 J.29, J.34, J.134, J.159 K.265
SARA, Edward T.	H.42
SARGENT, Sir Orme	H.143, K.266
SASSOON, Mozelle	K.266
SAUNDBY, Air Marshal Sir Robert Henry Magnus Spencer	G.324
SAUNDERS, Christopher Thomas	H.2, J.115
SAUNDERS, V. C. C.	F.45, F.47, F.56
SAVILE, Esmé	K.266
SAWARD, Dudley	J.143
SAYER, Brigadier Arthur Penrice	G.326
SCARBROUGH, Lucy Cecilia, Countess of	K.266
SCHAAF, William L.	E.106
SCHICHT, Georg	K.267
SCHICHT, Rene	K.267
SCHIFF, L. I.	B.61
SCHILLER, Ferdinand Canning Scott	C.81
SCHILOVSKY, P.	D.223
SCHLEPEGRELL, Adolf F. K.	F.26

Index of correspondents

SCHMIDT, Wilhelm Georg	A.74, K.268
SCHONLAND, Sir Basil (Ferdinand Jamieson)	D.19, G.326
SCHRÖDINGER, Annemaria	D.224
SCHRÖDINGER, Erwin	D.224, D.225, K.268
SCHUSTER,	K.268
SCHWERS, Fred	D.226, K.268
SCOTT, M. FG.	J.114, J.115, J.125, J.127
SCOTT, Mary Mc Nair	K.268
SCRIMGEOUR, Geoffrey C.	G.471
SCRYMGEOUR-WEDDERBURN, Henry James, later Earl of Dundee	A.73 J.11, J.15, J.22, J.24, J.32 K.269
SEAL, Sir Eric (Arthur)	F.40, F.67, F.98 G.2, G.14, G.27, G.99, G.152, G.168, G.181, G.228, G.350, G.356, G.393, G.397, G.444, G.469 H.1, H.77
SECRETAN, Peter N.	K.270
SEELY, John Bernard	D.226
SEELY, Sheila	K.270
SELBOURNE, Roundell Cecil Palmer, ('Tops'), 3rd Earl of, formerly Viscount Wolmer	A.35, A.64 F.59 G.442, G.471, G.528 H.76 J.7, J.11, J.15, J.18, J.24, J.26, J.29, J.32, J.34, J.43, J.49 K.270
SELF, Sir (Albert) Henry	F.57, F.58, G.189, H.188, H.198
SELKIRK, George Nigel Douglas-Hamilton, (Geordy), 10th Earl of	K.271
SELWYN, A. W.	E.76
SEMPILL, William Francis Forbes-Sempill, 19th Baron	J.63, K.271
SENATOR, David Werner	D.66
SENDALL, Bernard Charles	G.320, H.138

Index of correspondents

SENSICLE, Laurence H.	J.59
SERIES, George William	B.136
SERMONELY, Vittoria di	K.271
SHACKLE, George Lennox Sharman	F.53, F.58, F.59 G.111, G.114, G.126, G.137 - G.139, G.143, G.150, G.230, G.374, G.538 H.81, H.84, H.87, H.97, H.98, H.258, H.298, H.302
SHACKLE, Robert Jones	H.203
SHAKESPEARE, Sir Geoffrey Hithersay	K.271
SHAND, Harold	G.390
SHAPLEY, Harlow	A.41
SHAW, P. C.	H.127
SHELDON, James H.	J.64
SHELDON, Norman	H.240
SHERFIELD see MAKINS	
SHERIDAN, Clare Consuelo	K.136, K.272
SHERRINGTON, C. E. R.	G.350
SHERRINGTON, Sir Charles Scott	K.272
SHERWOOD, Robert Emmet	K.186
SHOENBERG, David	K.272
SHREDER, Paul	K.272
SHUCKBURGH, Sir (Charles Arthur) Evelyn	K.272
SIDGWICK, Nevil Vincent	A.23, B.98, B.101, D.227
SILBERRAD,	G.469
SIMON, Charlotte, Lady	D.233
SIMON, Sir Francis Eugene	B.55, J.141, D.228 - D.233 See also A.84 - A.87, B.48, B.63, D.104, D.177, K.41
SIMON OF WITHENSHAW, Ernest Darwin, Baron	E.12, E.95
SIMON, J. E. H.	H.64
SIMON, John Allsebrook, 1st Viscount	A.43, A.51 B.122, B.145 F.65, F.189 G.28, G.469 J.10, J.17, J.53, J.85, J.101 K.273

Index of correspondents

SIMON, Kathleen, Lady	K.273
SIMONDS, Gavin Turnbull, 1st Viscount	K.274
SIMPSON, Esther	D.1, D.251
SIMPSON, Sir George (Clarke)	D.202, D.234
SIMPSON, J.	H.121
SINCLAIR, Archibald Henry Macdonald, later 1st Viscount Thurso	A.81 D.133 F.8/4 G.10, G.12, G.14, G.22, G.24, G.26 - G.28, G.46, G.48, G.52, G.61, G.87, G.150, G.152, G.184, G.189, G.198, G.203, G.212, G.220, G.320, G.323, G.324, G.351, G.374, G.410, G.434, G.530 H.39, H.84, H.218, H.236, H.249 J.55, J.157 K.274
SINCLAIR, Harold	H.239
SINCLAIR, Hugh Macdonald	J.65, J.154
SINCLAIR, Marigold, Lady	K.274
SINCLAIR, Sir Robert (J.)	G.155, H.162, H.165, H.195
SINCLAIR, Sir Ronald Ormiston (Rab)	J.158, K.274
SISAM, Kenneth	C.62, C.75, D.228, J.72, K.142, K.274
SINGLETON, Sir John Edward	F.125, G.28, G.34, G.55
SKINNER, Herbert Wakefield Banks	B.64, B.75, D.250, E.14, E.86, J.81, J.117 See also E.71
SLADE, Roland Edgar	D.100, D.101, D.105, D.108, G.88
SLESSOR, Marshal of the Royal Air Force Sir John Cotesworth	G.99, G.280, G.281, H.80, K.274 See also B.114
SLIM, Field-Marshal William Joseph, 1st Viscount	E.121
SLUTZKIN, David	A.28
SMART, W. M.	A.28
SMITH, Alic Halford	B.116, B.117, B.119, D.88, K.231, K.274

Index of correspondents

SMITH, Sir Ben	G.68
SMITH, Edwin	K.274
SMITH, Eleanor, Lady	K.275
SMITH, Sir Frank Edward	A.51, A.64 B.16 C.49, C.53 D.201 - D.204, D.208, D.210 - D.212 E.6 G.322, G.323, G.389, G.390, G.443/1 K.276
SMITH, Frederick see BIRKENHEAD	.
SMITH, G. L.	C.31
SMITH, James Ward	K.276
SMITH, Joan, Lady	K.276
SMITH, Kenneth Brooke Farley	G.222
SMITH, Olive Murray	K.276
SMITH, R. A.	D.235
SMITH, Sam	B.148, B.163, B.164
SMITH, Thomas Broun	A.64
SMITHERS, Sir Waldron	J.113
SMUTS, Jan Christian	K.276
SNOW, Charles Percy, Baron	F.52, F.58
SOAMES, (Arthur) Christopher (John), Baron	J.155
SODDY, Frederick	B.12
SOLLERS, W. J.	D.235
SOMERVILLE, Admiral of the Fleet Sir James Fownes	G.162, J.66
SOMMERFELD, August	D.235
SOREN, Peter Mackay, Baron	K.277
SORLEY, Air Marshal Sir Ralph Squire	G.228, G.236, G.276, G.278, G.279, G.446
SOULBURY, Herwald Ramsbotham, 1st Viscount	K.278
SOUTHWELL, Sir Richard Vynne	D.236, K.278

Index of correspondents

SOUTHWELL, Sir Robert	B.26
SOUTHWORTH, T. C.	F.53
SOWMAN, Air Commodore John Edward Rudkin	G.328
SPARROW, John Hanbury Angus	D.10, K.278
SPEARS, Major-General Sir Edward (Louis)	G.469, K.278
SPEIGHT, Richard Langford	G.547
SPENCER, Albert Edward John, 7th Earl	K.278
SPENCER, C. A.	K.278
SPENCER, Cynthia Ellinor Beatrix, Countess	K.278
SPENDER-CLAY, Herbert Henry	B.91
SPOTTISWOODE, N. L.	D.236
SRAFFA, Piero	F.40
STALLYBRASS, William Teulon Swan	B.110, J.72, K.279
STANDARD TELEPHONE AND CABLES LIMITED	K.280
STANIER, Sir William Arthur	G.305, K.280
STANLEY, Charles Orr	G.318, G.322
STANLEY, Edward John, later 4th Baron Sheffield	A.41
STANLEY, Maureen, Lady	K.280
STANLEY, Oliver Frederick George	F.65, K.280
STANMORE, George Arthur Maurice Hamilton-Gordon, 2nd Baron	A.51
STAPLES, Ronald	K.280
STEDMAN, W. L.	G.87
STEEL-MAITLAND, Keith Richard Felix	J.9, J.12, J.34, K.281
STEIN, Walter Johannes	F.40
STEINHARDT, S. Ogden	K.282
STENNING, Ethelwyn	K.282
STENNING, John Frederick	A.22, B.121, B.122, J.14, K.282
STERCKX, A.	F.43
STERN, Sir Albert	G.364, G.365, K.282
STERN, Otto	D.236

Index of correspondents

STETTINIUS, Edward R.	E.120, F.408, K.282
STEVENS, Hanford	K.283
STEVENSON, A. W.	J.29
STEWART, John Innes Mackintosh	K.283
STEWART, Oliver	A.64
STILES, Walter Stanley	G.361
STIMSON, Henry Lewis	H.207
STIRLING, Gertrude	K.283
STIRLING, I. A.	K.283
STOKES, Richard Rapier	G.526
STONOR, Francis	K.284
STOPES, Marie Carmichael	J.150
STRABOLGI, Joseph Montague Kenworthy, 10th Baron	G.469
STRADLING, Sir Reginald Edward	G.361, G.411, G.416, G.419, K.284
STRANG, William, 1st Baron	K.284
STRATTON, Frederick John Marrian	A.28, A.87, K.284 See also C.40
STRAUSS, Lewis L.	K.285
STREET, Sir Arthur William	D.172, F.66, F.408, G.351
STUART, Sir Campbell	K.286
STUART, Charles	A.79
STUART, James	D.236, E.78, E.81, E.82, E.85, J.57
SUMNER, John Andrew Hamilton, 1st Viscount	J.11
SUITS, C. G.	K.286
SULYBERGER, A.	K.286
SUTHERLAND, Anthony F. A.	J.141
SUTHERLAND, Carol Humphrey Vivian	D.39
SUTHERLAND, Lucy Stuart	F.40
SUTHERLAND, Monica	G.145
SUTTON, Sir (Oliver) Graham	G.361, K.286

Index of correspondents

SWENSON, Heather	K.286
SWENSSON, Torsten	K.286
SWINTON, Major-General Sir Ernest (Dunlop)	F.32, G.99, K.287
SWINTON, Philip Cunliffe-Lister, 1st Earl of	A.25 F.6/2, F.8/5 G.469 H.65 J.69, J.70, J.86, J.129 K.287
SYERS, Sir Cecil George Lewis	A.73, K.287
SYKES, Sir Frederick	J.59, K.287
SYKES, Isabel	D.114
SYLVESTER, Albert James	H.121
SYMES, W.	G.327
SYMONDS, J.	K.287
SZILARD, Leo	D.237 See also D.35, D.91

- T -

TAIT, Sir Victor Hubert	K.288
TANSLEY, Sir Arthur George	B.99, D.238, K.288
TATE, Marshall	G.464
TAYLOR,	K.288
TAYLOR, A. H.	H.114
TAYLOR, Frank Alwyn	K.288
TAYLOR, Sir Geoffrey Ingram	C.30, D.239
TAYLOR, T. W. J.	K.288
TEDDER, Marshal of the Royal Air Force Arthur William Tedder, 1st Baron	G.212
TEED, P. L.	K.289
TELLER, Edward	B.74 See also D.23, D.240
TENBY see LLOYD-GEORGE	

Index of correspondents

TERRELL, Edward	A.64
TEVIOT, Charles Iain Kerr, 1st Baron	J.63
TEW, John Hedley Brian	F.51
TEYNHAM, Christopher John Henry Roper-Curzon, 19th Baron	J.86
THALMANN, A.	K.289
THESIGER, Gerald	J.10
THIRRING, Hans	D.240
THOM, Alexander	D.241, E.93
THOMAS, James	D.13, D.34, K.289
THOMAS, W. Harford	K.289
THOMAS, William Miles Webster, Baron	K.13, K.289
THOMAS, William Norman	G.432
THOMPSON, Edith	K.290
THOMPSON, Sir Harold W	B.68, E.105, K.290
THOMPSON, John Harold Crossley	G.470
THOMPSON, Sir (Louis) Lionel (Harry)	F.43, F.44, F.48 - F.56, F.58, F.59, F.62, F.63, F.68
THOMSON, Christopher Birdwood, 1st Baron	F.24
THOMSON, Sir George (Paget)	A.23, A.24, A.52, A.73, A.87 B.6, B.73, B.131 D.85, D.126, D.209, D.210, D.230, D.242 E.109 G.352, G.396, G.422 See also C.43, K.127
THOMSON, Joan	D.242
THOMSON, Sir Joseph (John)	A.21, D.242
THOMSON, Kathleen	D.242
THONEMANN, Jeanne	K.290
THORNEYCROFT, (George Edward) Peter, Baron	B.64, K.290
THORNTON, Ronald C.	A.64
THORPE, J. H.	G.470

Index of correspondents

THURSO	see	SINCLAIR	
TIARKS, Henry Frederic			K.290
TIMMIS, C. W. M.			D.158
TISDALE, W. E.			D.192
TIZARD, Sir Henry Thomas			A.21, A.23 D.243 E.73, E.120 F.6/5, F.8/6, F.80 G.193, G.243, G.342, G.388
TIZARD, Kathleen			D.243
TOLLEY, Cyril			G.538
TOPHAM, A. M. R.			G.84, G.196, K.241
TOUCHE, Sir Gordon Cosmo			K.291
TOULMIN, Stephen Edelston			K.291
TOWNEND, Donald Thomas Alfred			G.262
TOWNSEND, Edward			A.73
TOWNSEND, John H.			K.292
TOWNSEND, Sir John (Sealy Edward)			B.26, B.93, B.101, D.244, K.292 See also C.72, E.21
TOWNSEND, Mary Georgiana, Lady			J.10, J.15, J.24, J.30, J.49, K.292
TOYNBEE, Sir Arnold Joseph			K.293
TRAUBE, J.			D.244
TRAVERS, Morris William			J.72
TREANOR, Patrick			K.294
TREE, Ronald			K.294
TREFGARNE	see	GARRO JONES	
TRENCH, Brian			H.276
TRENCHARD, Marshal of the Royal Air Force Hugh Montague, 1st Viscount			F.25 J.67, J.100, J.104, J.153 K.63, K.294
TRESS, Ronald Charles			H.91, H.226
TREVOR-ROPER, Hugh Redwald, later Lord Dacre			B.131, K.295
TROUP, Robert Scott			B.98

Index of correspondents

TROUTON, Maurice	G.527
TROWER, W. G.	K.296
TUCK, James Leslie	D.245, D.246 F.111 G.137, G.176, G.219, G.220, G.238, G.283, G.291, G.302, G.303, G.307, G.335, G.346, G.353, G.400, G.405, G.459, G.461 H.12
TUCKER, Norman Walter Gwynn	F.61, G.432, G.548, H.132, H.231
TUFNELL, Blanche	D.53
TUFNELL, E. Bertha	D.247
TUFNELL, Louis	D.247
TURNBULL, Sir Frank (Fearon)	H.132, H.291, H.292, H.296
TURNER, E. J.	D.114
TURNER, Henry Frederic Lawrence	J.144, K.296
TURNER, Herbert Hall	A.14, B.1, D.248
TURNER, Sir (Ronald) Mark (Cunliffe)	H.276
TURPIN, Kenneth Charlton	B.110
TURRELL, W. J.	B.5
TUTE, Sir Richard	K.296
TWEEDSMUIR see BUCHAN, S.	
TWEEDSMUIR, John Buchan, 1st Baron	A.32, F.30
TWEEDSMUIR, John Norman Stuart, 2nd Baron	K.296
TWENTYMAN, E.	H.26
TWYMAN, Frank	F.409
TYNDALL, Arthur Mannering	D.249
TYRRELL, William George, 1st Baron	K.296

Index of correspondents

- U -

UBBELOHDE, Alfred Rene John Paul	A.87
UNDERWOOD, Eric	A.41
UNITED KINGDOM ATOMIC ENERGY AUTHORITY (UKAEA)	D.250
UREY, Harold Clayton	K.297
UTHEMANN, Hilda	K.297

- V -

VALCARENGHI, Achille Domenico	D.252
VAN DER CORPUT, J. G.	C.75
VAN HENGEL, S. J. H.	A.82
VANSITTART, Robert Gilbert, 1st Baron	K.298
VARLEY, C. H.	G.456, K.298
VEALE, Sir Douglas	A.56, A.73, A.78 B.15, B.26 - B.28, B.30, B.31, B.33, B.57, B.76, B.92 - B.96, B.98 - B.100, B.104, B.107, B.109, B.110, B.113, B.117, B.118, B.142, B.155 D.88, D.112, D.116, D.156, D.164, D.224, D.231 E.62, E.74 G.533 H.230, H.249 K.299
VEBLEN, Oswald	D.252
VERNON-JONES, Vernon Stanley	F.40
VICKERS, Antony R.	H.239
VICKERS, Douglas	B.4, B.6, C.30, D.253
VICKERS, Sir (Charles) Geoffrey	H.275
VICKERS, Katharine A.	K.300
VILLIERS, A. E. H.	G.307
VILLIERS, Charles	G.176

Index of correspondents

VINTER, (Frederick Robert) Peter	F.410 G.371, G.415 H.36, H.37, H.121, H.127, H.273, H.276, H.283, H.285, H.302 - H.304, H.307 - H.310, H.312 - H.316, H.320
VON BOHLEN, Claus	K.301
VON BRENTANO, Heinrich	K.301
VON ENGEL DE JANOSSY, Adolf	D.254
VON ISLEMANN, Elisabeth	K.302
VON ISLEMANN, Siegfried	K.302
VON ISLEMANN, Sigurd	K.302
VOSS, R. G. P.	D.213

- W -

WACE, P. Robert	K.303
WADDINGTON, J.	K.303
WADE-GERY, Henry Theodore	B.121, B.122, K.303
WAGER, Lawrence Rickard	B.156
WAIT, Hugh Godfrey Killigrew	F.4
WAKE-WALKER, Admiral Sir William Frederick	G.273
WALEY, Sir (Sigismund) David	H.31, H.207
WALKER, John	D.165
WALKER, Kenneth	G.176
WALKER, Patrick Gordon Chrestien, later Lord Gordon-Walker	A.28, K.303
WALLIS, Sir Barnes (Neville)	G.375, K.304
WALLOP, Frederic (Henry Arthur)	K.304
WALLS, Robert R.	D.255
WALSH, James	F.51, K.304
WALZ, H.	D.255
WARBURG, Gisela	K.305

Index of correspondents

WARD, Harold	G.501
WARDELL, M.	G.405
WARTENBURG, Charlotte	K.305
WARWICK, Charles Guy Fulke Greville, 7th Earl of	K.305
WATERFALL, Wallace	B.64
WATERFIELD, John	K.305
WATERHOUSE, Charles	K.305
WATERMAN, Alan T.	B.72
WATKINSON, Harold Arthur, 1st Viscount	K.306
WATSON, General Sir Daril G.	G.291
WATSON, W. H.	B.62
WATSON-WATT, Sir Robert (Alexander)	A.23 D.256 G.80, G.107, G.108, G.318, G.327
WATTS, George	K.306
WAVELL, Field-Marshal Archibald Percival, 1st Earl	K.306
WAVERLEY see ANDERSON and WIGRAM	
WEBB, H. A.	B.5
WEBB-JOHNSTONE, Alfred Edward, 1st Baron	K.306
WEBSTER, James Alexander	F.3
WEBSTER, Thomas B. L.	G.96, G.97, G.518
WEEKS, Sir Hugh (Thomas)	G.157, G.500 H.72, H.179, H.180, H.187, H.191
WEEKS, Ronald Morce, 1st Baron	G.166, G.269, G.272, G.291, G.305 K.307
WEINKLER, Georg	D.120
WEIR, J.	G.161
WEISSBERGER, A.	A.41, D.257
WEISSKOPF, Victor F.	B.55

Index of correspondents

WEIZMANN, Chaim	D.258, J.52, K.114
WEIZMANN, Vera	K.114
WELDON, T. W.	G.14, G.18, G.22
WELBY, Rear-Admiral Roger Stanley	G.350
WELLESLEY, Mary	K.307
WELLS, Herbert George	G.471
WELLS, Joseph	A.22, B.120, B.121, J.3
WELLS, William	K.307
WELLS, William Thomas	E.88
WELSBY, John	K.307
WELSH, Eric	D.154
WEMYSS, Mary Constance, Countess of	K.307
WEST, Major-General Clement Arthur	G.310
WEST, Gilbert D.	A.65
WESTBROOK, Trevor Cresswell Lawrence	G.81
WESTHEAD, Walter M.	G.345
WESTMINSTER, Hugh Richard Arthur Grosvenor, ('Bendor'), 2nd Duke	C.64, G.471, K.208
WESTMINSTER, Nancy (Anne), 4th Duchess of	K.308
WESTMINSTER, Violet Mary, 2nd Duchess of	K.308
WESTPHAL, W. M.	D.259
WEYMOUTH, Daphne, Viscountess	K.309
WHEARE, Sir Kenneth Clinton	K.309
WHEELER, A. E.	F.53
WHEELER, William Henry	G.428
WHEELER-BENNETT, Sir John (Wheeler)	A.73, K.309
WHELAN, Leonard James	K.309
WHIDDINGTON, Richard	A.52, A.65, A.73, A.87 D.178, D.181, D.204, D.259 E.115 K.309

Index of correspondents

WHIPPLE, Robert Stewart	K.309
WHITE, A. G.	G.287, G.288
WHITE, Sir Bruce Gordon	G.310, J.132
WHITE, Clara Miller	K.310
WHITE, Henry Julian	A.28, B.124, B.125, B.127 - B.129 J.10, J.15
WHITEHEAD, John Henry Constantine	D.259, K.310
WHITEHEAD, S.	A.65, E.74, E.86, J.86, K.310
WHITROW, G. J.	A.52
WHITTAKER, Sir Edmund Taylor	D.260
WHITTLE, Sir Frank	G.240
WHITTUCK, Gerald Saumarez	G.203, G.355, G.548, H.249
WIGRAM, Ava, later Lady Anderson and Viscountess Waverley	K.311
WILKINSON, Cyril Hackett	J.33
WILKINSON, Sir Denys Haigh	K.311
WILKINSON, Maurice	A.52, J.15, J.18, J.19
WILKINSON, W. D.	F.55
WILLCOX, J. H.	A.65
WILLIAMS, A. T. P.	D.64
WILLIAMS, Clyde	D.233
WILLIAMS, Evan James	G.105, G.106
WILLIAMS, Sir (Evan) Owen	G.458
WILLIAMS, Sir Herbert	G.471
WILLIAMS, John Basil	H.22
WILLIAMS, K.	A.28
WILLIAMS, T. A.	E.67
WILLIAMS-THOMPSON, Michael	E.88, E.135
WILLINGDON, M.	K.311
WILLINK, Sir Henry Umston	F.62, F.409, H.84, H.232
WILLS, Douglas M.	A.96, K.311
WILSON, Sir Alan (Herries)	D.213, D.214

Index of correspondents

WILSON, Charles	K.312
WILSON, Dorothy	K.312
WILSON, Field-Marshal Henry Maitland, 1st Baron	J.66
WILSON, Rt. Hon. (James) Harold	H.9, H.11, H.12, H.15
WILSON, Monica	K.312
WILSON, P.	K.312
WILSON, Richard	D.261
WILSON, Robert Q.	D.18
WILSON, Thomas	F.85, F.402, F.405 G.63, G.71, G.87, G.145, G.519, G.523, G.524, G.544 H.33 - H.36, H.38, H.59, H.66, H.77 - H.82, H.84, H.87 - H.92, H.121, H.123 - H.128, H.130, H.135, H.137 - H.139, H.143, H.157, H.202, H.207, H.211 - H.214, H.220, H.224, H.228, H.231, H.234, H.235, H.256, H.262, H.266, H.270, H.273, H.278, H.285, H.290, H.291, H.293, H.296, H.307, H.312 - H.315, H.317, H.320 J.60
WILSON SMITH, Sir Henry	F.59, F.253
WILTSHIRE, W. J.	G.304
WIMBORNE, Alice Katherine, Viscountess	K.313
WIMPERIS, Harry Egerton	C.30 D.123, D.262 F.9/5, F.27, F.28, F.30 G.429
WINANT, John G.	K.314
WINDAUS, Adolf Otto Reinhold	D.263
WINSTER, C.	K.314
WINSTER, Reginald Thomas Herbert Fletcher, Baron	J.80
WINTERITZ, Paul	D.263

Index of correspondents

WINTERTON, Edward Turnour, 6th Earl	J.24, J.29, J.40, J.43, J.49
WITKOWSKI, S.	G.299
WOLF, Elizabeth	D.10
WOLF, Max	A.28
WOLFENDEN, J. H.	K.314
WOLLASTON, Sir Gerald W.	A.37
WOLMER see SELBOURNE	
WOOD, Frank	G.9, G.168, G.221
WOOD, J. Hatton	K.315
WOOD, Sir Kingsley	F.11, F.37, F.65 G.167, G.356, G.530 K.68
WOOD, R. W.	D.263, G.304, K.315
WOODALL, Herbert J.	C.74
WOODFORD, F. Peter	K.315
WOODHOUSE, H.	K.315
WOODS HUMPHERY, G. E.	D.93
WOODWARD-NUTT, Arthur Edgar	F.9/5, F.36
WOOLLEY, Sir Richard (van der Riet)	D.198
WOOLTON, Frederick James Marquis, 1st Earl	A.73 E.77, E.78, E.81, E.82 G.325, G.546 H.26, H.27 J.55, J.69, J.72, J.105, J.128 K.315
WOOLLEY, Anthony Douglas	E.66
WRIGHT, Albert L.	A.65
WRIGHT, C. E.	B.71
WRIGHT, Sir Charles Seymour	A.41 F.30, F.33 G.111, G.278, G.279, G.300, G.363, G.374, G.451
WRIGHT, Claud	G.305
WRIGHT, David McC.	K.315
WRIGHT, E. F.	H.20

Index of correspondents

WRIGHT, Edward Maitland	A.33, A.73, C.75, D.264, F.48, K.316
WRINCH, Dorothy	D.265, K.317
WRINCH, Pamela N.	K.317
WYLIE, Sir Francis James	D.55

- Y/Z -

YAHUDA, Abraham Shalom Ezekiel	D.57. See also K.318
YARDENY, Michael N.	K.318
YATES-FISH, Marjorie	K.319
YATES-FISH, Norman L.	D.3, K.319
YOUNG, Sir E. Hilton	K.320
YOUNG, Norman Egerton	H.126
YOUNG, Terence	H.77
ŽÁČEK, August	See D.266
ZETLAND, Cicely, 2nd Marchioness of	K.320
ZUCKERMAN, Solly, Baron	A.73, A.87 E.76 G.165 J.141, J.142 K.321 See also G.183
ZUNTZ,	K.322

Supplementary catalogue of the papers and
correspondence of

**Frederick Alexander Lindemann,
Viscount Cherwell of Oxford CH, FRS
(1886 - 1957)**

by Jeannine Alton and Peter Harper
CSAC catalogue 99/3/84

CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

under the guidance of the Royal Society's

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

Supplementary catalogue of the papers of

FREDERICK ALEXANDER LINDEMANN

VISCOUNT CHERWELL OF OXFORD

(1886 - 1957)

Material additional to the main catalogue CSAC 80/4/81

Compiled by

Jeannine Alton and Peter Harper

Deposited in the Library of Nuffield College, Oxford

1984

All rights reserved

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

The Anatomical Society of Great Britain and Ireland

The Biochemical Society

The British Pharmacological Society

The Charles Babbage Foundation for the History of Information
Processing

The Institute of Physics

The Institution of Electrical Engineers

The Nuffield Foundation

The Physiological Society

The Royal Society of London

LIST OF CONTENTS

	<u>Items</u>	<u>Page</u>
DESCRIPTION OF THE MATERIAL		3
PATENTS AND INVENTIONS	1-4	4
RESEARCH AND PUBLICATIONS	5-21	4
SHORTER NOTES	22-24	6

DESCRIPTION OF THE MATERIAL

The papers came to light in July 1982, some time after the completion of the cataloguing of the main Cherwell manuscript collection. It is possible that since they are wholly related to Cherwell's early career as a physicist they had been overlooked by those whose interest lay in his later political activities.

For precisely the same reason, however, the material is a useful addition, dating as it does mainly from the years which Cherwell spent in Nernst's laboratory (c.1910 - 14). It is almost all autograph manuscript, in German, and deals with research on specific heat, early quantum theory and the movement of electrons in atoms. Items 16 and 20 refer to later work on astronomical problems; items 19 and 21 are Farnborough reports on aeronautical topics. Very few of the manuscripts are dated, and the chronological order of presentation is no more than approximate.

Of some interest is item 8, notes taken of contributions to discussions at a conference, probably the Second Solvay Conference of 1913, when X-ray spectroscopy and its impact on atomic theory were a principal topic.

As with the compilation of the main Cherwell catalogue, use has been made of the biographical memoir by G.P. Thomson (Biographical Memoirs of Fellows of the Royal Society, 4, 1958) and of the official biography by Birkenhead, The Prof. in two worlds (Collins, 1961). When a link with material in the main catalogue could be reasonably established this is indicated in the entries.

ACKNOWLEDGEMENTS

We are very grateful to Dr. G. Sweet for help in deciphering German script, and to Dr. J. H. Hendry for suggesting dates for some of the documents.

1 - 4 PATENTS AND INVENTIONS

1. Patent for cooling of Röntgen tubes, 1912.

Ms. draft and forwarding letter (dated 23 December 1912);
two typescript versions, and drawing. In German.

This is a fuller version of the patent on the construction
of Röntgen tubes included in C.1 of the main catalogue.
2. Incomplete ms. draft, 2 pp., on adjustment of temper of
Röntgen tubes, n.d., probably intended for patent.
In German.
3. 4 pp. typescript draft patent for improvement of light
bulbs, n.d. In German.
4. Incomplete ms. draft, 3 pp., for patent on a new soldering-
iron, dated 29 January 1913. In German.

5 - 21 RESEARCH AND PUBLICATIONS

5. 'Über das Dulong-Petitsche Gesetz'

This was Cherwell's doctoral thesis, on specific heats,
published in 1911.

Miscellaneous pages, some with corrections and annotations
by Cherwell and in another hand. In German.

(The front page bears the designation 'Friedrich Lindemann aus
Baden-Baden' and the address 'Hotel Reichstag'.)
6. Ms. draft paginated 8-16. In German.

Similar corrected and annotated material, kept with 5 above,
but later in date (includes reference to papers at Second
Solvay Conference 1913).
7. 4 pp. ms. draft, on movement of electrons. Cherwell pub-
lished articles on the subject in Verhandl. deutsch. Phys. Ges.
13, 1911. In German.

8. Notes taken at conference, perhaps Solvay Conference 1913. Includes various lists of participants and brief notes of contributions to discussions by Lorentz, Rutherford, W.H. Bragg, de Broglie, Sommerfeld, Einstein, Madame Curie, Brillouin, Langevin, Nernst, etc.
9. 2 pp. ms. draft for lecture on the kinetic theory of gases, n.d. Possibly for lectures given at University of Chicago, 1913 (Birkenhead, p.53), or earlier.
10. 4 pp. ms. draft of paper on Dulong-Petit's law. n.d., but refers to Nernst-Lindemann paper, 1912.
11. Letter (addressed to Nernst) requesting advice on construction of a balance to function in a vacuum. From B. Blount, December 1913.
12. 2 pp. ms. draft on photography of X-ray spectra. The heading also bears the name of M. de Broglie, with whom Cherwell published a collaborative paper on the subject in 1914 (Verhandl. dtsh. Phys. Ges. 16). In German.
13. 7 pp. ms. draft (incomplete) for paper 'Über die Grundlagen der Atommodelle' published in 1914 (Verhandl. dtsh. Phys. Ges. 16). In German.
14. Miscellaneous drafts on atomic structure. None dated, but all arising from publications by Bohr and Moseley, and referring to work of de Broglie 1913, 1914. (Moseley was killed at Gallipoli, 1915.)

See 15 below.
15. Ms. note on a paper by Moseley in Phil. Mag., December 1914. Perhaps early draft for Cherwell's Phil. Mag. paper, 1915.
16. Ms. draft letter to A.S. Eddington, on his book 'Stellar Movements and the Structure of the Universe' (1914) and submitting Cherwell's paper 'Note on a number of dark stars' for publication (Mon. Not. R. Astr. Soc., 75).
17. 'Origin of magnetic storms'

Notes and drafts, probably for paper published in Phil. Mag., 38, 1919, but some notes may be earlier.
18. Letter from Cherwell to journal secretary, on a rejected collaborative paper. n.d.

19. 'Turn indicators for aeroplanes', Advisory Comm. for Aeronautics Reports and Memoranda no.525 (H.M.S.O.) 1917. Reprint only.
- See C.11-C.31 of the main catalogue for other aeronautical reports prepared by Cherwell during his service at the Royal Aircraft Factory, Farnborough.
20. 'Note on the pulsation theory of the cepheid variables'
- 3 pp. typescript and ms. draft for paper published with slight change of title in Mon. Not. R. Astr. Soc., 78, 1918.
21. 'Note on landing in fog', Aeronautical Research Comm. Reports and Memoranda no.726, 1921. Reprint only.
- Not listed in the Bibliography of the Royal Society Memoir.

22 - 24 SHORTER NOTES

22. Two booklets of notes, exercises, diagrams, etc. on elementary geometry and algebra. In German.
23. Notes and calculations, some on the movement of atoms, on writing-paper of Reichstag and Adlon Hotels. In German.
24. Folder of miscellaneous undated notes and calculations, some on specific heat.