

Catalogue of the papers and correspondence of

**Sir Ernest Gordon Cox FRS**

(1906-1996)

by Peter Harper and Timothy E. Powell  
NCUACS catalogue no. 123/9/03

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## GENERAL INTRODUCTION

### PROVENANCE

The papers were received from Professor Mary Truter, Lady Cox, widow, in November 2000.

### OUTLINE OF THE CAREER OF ERNEST GORDON COX

Ernest Gordon Cox was born on 24 April 1906 in Twerton, in Somerset, where his father was a market gardener. He was educated at the City of Bath Secondary School and the University of Bristol where he graduated with first class honours in physics in 1927. A.M. Tyndall, head of the Bristol Physics Department, recommended Cox to W.H. Bragg and he joined Bragg's team in the Davy-Faraday Laboratory at the Royal Institution in London in 1927. Here Cox's career as a practising crystallographer began. He was assigned the task of finding how the carbon atoms in benzene, known from chemical evidence to be in a ring, were disposed. After some difficulties in keeping the benzene (liquid at room temperatures) crystalline, Cox established that the carbon atoms were at the corners of a regular hexagon, a conclusion of considerable importance for theoretical chemists.

In 1929 Cox, although a physicist, was recruited by W.N. Haworth to the staff of the Chemistry Department at Birmingham University. Here he did pioneer work on the structures of sugars and coordination compounds of nickel, palladium, platinum and other metals. A highlight was the determination of the crystal structure of vitamin C, ascorbic acid, where his X-ray work was done in concert with the chemists. Cox became increasingly interested in the determination of accurate structures from three-dimensional data, for example pentaerythritol (1937) and Glucosamine hydrobromide (1939). In 1936 Cox was awarded his D.Sc. by the University of Bristol and in 1941 was promoted to Reader in Chemical Crystallography at Birmingham.

Cox joined the Territorial Army in 1936 and was an officer in the Birmingham University OTC. Although mobilised in September 1939 he was returned to his university post by November. Here he led an advisory group on explosives for the Ministry of Supply, Cox taking a particular interest in the hazards of static electrification. In February 1942 Cox was recruited by D.M. Newitt, Director of Scientific Research for the Inter-Services Research Bureau (ISRB), to be Senior Officer in charge of the laboratories of the ISRB research at The Frythe, Welwyn, Hertfordshire. ISRB was a cover for the Special Operations Executive (SOE), the secret service whose job it was to support and stimulate resistance in occupied countries. In July 1944 Cox went to France as a Technical Staff Officer (Lt-Col.) in the 21st Army Group HQ. He was employed in succession on liaison with the underground, on the investigation of V-2 rocket sites and on counter-sabotage activities. Cox was in Belgium by



September, and had very close contacts with Belgian Resistance Group G through detailed interrogations about their highly successful sabotage work during the enemy occupation.

In 1945 Cox was appointed as one of the Professors of Chemistry at the University of Leeds. There he built a happy Department of Inorganic and Structural Chemistry and a strong all-round group in chemical crystallography. He was keenly aware of the importance for crystallography of developments in apparatus and computing. In his first years at Leeds he took a particular interest in the design and production of a Weissenburg camera and in the use of Hollerith punched-card equipment. He was quick to see the potential of electronic computers, sending one of his team to the first programming school at Cambridge in 1950 and from 1952 exploiting the Ferranti Mark I computer at Manchester. Successful new experimental work on benzene took place in a cold room in which crystal, apparatus and crystallographer could be contained.

Cox's team at Leeds produced a succession of high quality structure determinations, often setting the standards for others to follow. Many analyses concerned relatively simple molecules, such as heterocyclic sulphur compounds, with the aim of establishing reliable values of standard bonds. The work on stereochemistry of coordination compounds was extended, for example to include the new organic compounds of platinum. Cox led the university bid for a Ferranti Pegasus computer. Installed in 1957 his crystallographers were its largest users. He contributed to the wider running of the university, and served on outside committees, for example International Union of Crystallography Commissions on Crystallographic Apparatus, 1948-1957 and Crystallographic Data, 1954-1960. Cox was chairman of the X-ray Analysis Group, 1956-1959.

In 1957 Cox was appointed a member of the Agricultural Research Council (ARC) and after negotiations in the summer of 1959 appointed Secretary (Chief Executive) of the Council from 1 July 1960. At that time the ARC was responsible to the Lord President as Minister for Science and Technology, Lord Hailsham. It enjoyed scientific independence, drawing up its own research programmes, commissioning work and funding special projects while dealing with the Treasury over budgets. However, Cox became less content when, as a result of the Science and Technology Act (1965), the research councils, previously funded by the Treasury, were transferred to the Department of Education and Science. He became concerned by threats to his independence from the Ministry of Agriculture, Food and Fisheries which were given substance, for example, by the agreement of the Prime Minister in December 1969 to the setting up of a secret Whitehall committee chaired by Mr S.P. Osmond of the Treasury to consider the future of the ARC and whether it should be taken over by the MAFF. There was no quick decision by government in part due to the June 1970 General Election and throughout 1970 and 1971 Cox continued to promote the ARC's cause. After Cox's retirement Victor Rothschild, as chairman of the Government's Central Policy Review Staff proposed to apply his customer/contractor principle. Cox saw this as a major threat to the survival of the ARC and publicly expressed his strong opposition to the Rothschild proposals.



Amongst the achievements of Cox's Secretaryship were the establishment of new Units, including the Unit of Nitrogen Fixation in 1963 under the direction of Joseph Chatt and the Unit of Structural Chemistry in 1966 under the direction of R.S. Nyholm. The ARC had assumed responsibility for food research in 1959 and two new research institutes were established in Cox's time, the Meat Research Institute near the University of Bristol in 1963 and the Food Research Institute in association with the University of East Anglia in 1965. In retirement Cox gave valuable voluntary service to the British Association as a honorary general secretary, 1971-1976 and to the Royal Institution as honorary treasurer, 1971-1976.

In 1929 Cox married Lucie Baker with whom he had a daughter, Patricia Ann and a son, Keith. Both achieved distinction. Patricia became Under Secretary, Scottish Home and Health Department and Keith (FRS 1988), Reader in Geology at Oxford University. Lucie Cox died suddenly in 1962 and Cox subsequently married Mary Rosaleen Truter, his former Leeds colleague and then Deputy Director of the ARC Unit of Structural Chemistry, in 1968.

Cox was elected FRS in 1954 and knighted in 1964. He died on 23 June 1996.

For further information about Cox's career see D.W.J. Cruickshank, 'Sir Ernest Gordon Cox, K.B.E', *Biographical Memoirs of Fellows of the Royal Society*, vol 46 (2000). The preceding biographical account draws on the memoir and other obituary writing by Cruickshank and F.S. Dainton.

## DESCRIPTION OF THE COLLECTION

The material is presented in the order given in the List of Contents. The papers cover the period 1886-1999.

Section A, Biographical, includes a number of shorter autobiographical and biographical accounts, significant material relating to career and honours including the ARC appointment and such occasions as the 80th birthday celebrations. There is also a significant photographic record, 1927-1993, including photographs taken in the Leeds Chemistry Department, at ARC occasions and at crystallographic conferences.

Section B, Research, documents Cox's scientific research in the form of notebooks, 1927-1946, and an alphabetical sequence of topic folders from 'Ardealite and other minerals relating to gypsum' to 'Weissenberg apparatus' including correspondence, notes, data, reports and X-ray photographs. There is a good record of the wartime research of Cox and Birmingham colleagues on explosives.



Section C, Second World War, presents a record of Cox's activities in connexion with the SOE and Belgian Resistance Group G including wartime diaries and photographs.

Section D, University of Leeds, includes significant documentation of the Leeds Chemistry Department. Papers re the research activities of the department throw light on the work of research students, use of computers and the information Cox prepared for his successor. Teaching materials include lecture notes both for Leeds University degree courses and postgraduate summer schools on crystallographic methods held at Leeds.

Section E, Agricultural Research Council, presents extensive documentation of Cox's Secretaryship of the ARC including the controversies associated with the Osmond Committee and the Rothschild Report, of the later years of the Secretaryship. This documentation comprises a personal record of notes on index cards and in notebooks, 1961-1971, a major sequence of general correspondence and papers which continues to 1994 reflecting Cox's ongoing interest in the ARC and agricultural research after he stepped down from the Secretaryship in 1971, an alphabetical sequence of topic folders from 'Achievements in Agric. Research' to 'Units' and an assemblage of press-cuttings for the period 1969-1972.

Section F, Lectures and publications, documents Cox's public and invitation lectures in the form of drafts, 1930s-1975, and his scientific papers in the form of off-prints, 1928-1986. The lectures material is presented in two sequences, one devoted to scientific topics to his departure from Leeds, and a second, more miscellaneous one, which includes lectures and speeches as Secretary of the Agricultural Research Council and, for convenience, a little broadcasts material. In addition to the off-prints of scientific papers there is a record of Cox's letters to the press and book reviews.

Section G, Societies and organisations, presents significant documentation of a small number of such bodies, especially the British Association for the Advancement of Science, Royal Institution and the Royal Society. Although Cox first attended a British Association meeting as a student the surviving papers relate to his post-retirement service as one of the honorary General Secretaries, 1971-1976 and Honorary Auditor, 1976-1983. There is a little correspondence with Magnus Pike relating to the BA Chairmanship. Cox, likewise, had a long association with the Royal Institution dating from 1927. The bulk of the documentation relates to matters of finance and administration associated with his post-retirement service as Honorary Treasurer, 1971-1976 and the Bragg Lecture which Cox helped to establish in recognition of the achievements of W.H. and W.L. Bragg. Cox gave the 1993 Bragg Lecture jointly with M.F. Perutz. The bulk of the Royal Society material documents his membership of the Royal Society Club, 1963-1996.

Section H, Visits and conferences, is not extensive but includes some documentation of early national and international crystallography meetings and a visit to Israel in May 1964 to make a specialist examination of the administration of agricultural research in the country

Section J, Correspondence, is the largest component in the collection and covers an extended period, 1916-1996. The presentation follows Cox's own arrangement of it into a number of alphabetical and chronological sequences including 'Pre-War Scientific Correspondence' and 'private correspondence ARC 1960-1971'. An untitled alphabetical sequence includes many of his colleagues and pupils in the Leeds chemistry department and leading figures in agricultural research.

There is also an index of correspondents.

The papers and correspondence of Cox's son, Keith Gordon Cox, were catalogued by the NCUACS in 2001 for deposit in the Library, Oxford University Museum of Natural History (NCUACS catalogue no. 96/1/01).

#### ACKNOWLEDGEMENTS

We are very grateful to Lady Cox for making the papers available for cataloguing and for a generous donation in support of the work.

P. Harper  
T.E. Powell  
Bath, 2003



SECTION A	BIOGRAPHICAL, A.1-A.176	1886-1999
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A.1	OBITUARIES
A.2-A.13	AUTOBIOGRAPHICAL AND BIOGRAPHICAL ACCOUNTS
A.14-A.77	CAREER, HONOURS AND AWARDS
A.78-A.82	DAY BOOKS
A.83-A.91	FAMILY, PERSONAL AND SOCIAL
A.92-A.119A	MISCELLANEOUS
A.120-A.176	PHOTOGRAPHS

A.1	OBITUARIES	1996
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*Independent*, 1 July 1996. By F.S. Dainton.

*The Times*, 9 July 1996.

Unidentified publication. By Durward Cruickshank.

A.2-A.13	AUTOBIOGRAPHICAL AND BIOGRAPHICAL	1952-1999
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A.2-A.8	Autobiographical accounts	1952-1995, n.d.
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A.2  
1952-c 1958, n.d.  
1p typescript by Cox on his scientific work, October 1952.

'Ernest Gordon Cox : Biographical Details', 1p duplicated typescript of biographical information including appointments, membership of professional bodies and war

**Biographical, A.1-A.176**

service, c 1958.

'Pupils of E.G. Cox'.

List of Cox's pupils in Chemistry Department, University of Birmingham, 1929-1941 and Inorganic Chemistry Department, University of Leeds, 1945-1960.

- |         |  |           |
|---------|--|-----------|
| A.3     | 1961, 1969   | 1982-1983 |
|         | <p>'Some notes on the Schools of Structural Crystallography in the Chemistry Department of the Universities of Birmingham and Leeds', 6pp typescript by Cox, '1-6-61'.</p> <p>Letter from Cox to K. Grayston with biographical details, 29 May 1969.</p> |           |
| A.4     | 1982-1983  |           |
|         | <p>'The origins of my interest in X-ray crystallography and some related matters'</p> <p>2pp typescript by Cox written for D. Hall, University of Auckland, February 1983, with request for the information from Hall, 26 October 1982.</p>              |           |
| A.5     | 1986-1987  |           |
|         | <p>Correspondence with <i>The Scientist</i> re publishing short article of reminiscences by Cox, with manuscript notes by Cox</p>  |           |
| A.6     | 1995   |           |
|         | <p>'Sir Gordon Cox'</p> <p>12pp typescript account by Cox of his early years and background.</p>   |           |
| A.7-A.8 | N.d.   |           |
|         | <p>'E.G.C.'s Genealogical Researches'</p> <p>Contents of folder so inscribed divided into two for ease of reference: manuscript notes, correspondence, 'Family [tree] of Rosina Ring', Cox's mother, etc.</p>  |           |



**Biographical, A.1-A.176**

<b>A.9-A.13</b>	<b>Biographical accounts</b>	<b>1960-1999, n.d.</b>
A.9	Short biographical profiles published by <i>New Scientist</i> , <i>Chemistry in Britain</i> etc.	1960, 1971, n.d.
A.10	Correspondence <i>re</i> Cox's entry in <i>Contemporary British Chemists</i> , copy of Cox's entry etc	1968-1970
A.11-A.13	Royal Society Biographical Memoir of Cox  The memoir was published in <i>Biographical Memoirs of Fellows of the Royal Society</i> , vol 46 (2000), pp 65-84.	1999, n.d.
A.11	Photocopy of notes made by memorialist D.W.J. Cruickshank  Folder also includes autobiographical note by Cox's widow.	
A.12	Photocopy of pages from first proof copy of memoir  Includes title page, photograph of Cox and bibliography.	
A.13	Manuscript notes, family tree made available by Cox's widow to memorialist in 1999	
<b>A.14-A.77</b>	<b>CAREER, HONOURS AND AWARDS</b>	<b>1923-1999</b>
A.14-A.17	City of Bath Secondary School  Cox entered the school in 1918. When the girls moved to a separate school in 1922 it became City of Bath Boys' School (and much later Beechen Cliff School).  Miscellaneous notes, drafts, correspondence <i>re</i> Cox's schooling, etc.  4 folders.	1961-1999



**Biographical, A.1-A.176**

A.18	University of London  Registration as an external student.	1923
A.19-A.21	University of Bristol  Cox entered the University in October 1924 and graduated with first class honours in physics in 1927.	1925-1995
A.19	University of Bristol 1925  Book published to mark the opening of the New Buildings: 'The aim of this little book is to give some idea by photographs of the enlarged domain which the University will occupy, and to suggest in a brief compass some aspects and purposes of its work'.	1925
A.20	University of Bristol Henry Herbert Wills Physics Laboratory  Book published to mark the opening of the laboratory by Rutherford, 21 October 1927.	1927
A.21	Miscellaneous correspondence and papers <i>re</i> Cox's associations with Bristol	1927-1995
A.22	University of Birmingham  Agreement as to superannuation between the University and Cox, etc on his appointment as lecturer in chemistry in 1930.  Miscellaneous papers <i>re</i> University of Birmingham Chemistry Department, Chemical Society etc found in folder inscribed 'Birmingham', 1937-1982.	1930-1982
A.23	Institute of Physics  Cox's admission as a Fellow of the Institute.	1935

**Biographical, A.1-A.176**

A.24-A.28	Military service	1936-1984
	<p>Cox was appointed Second Lieutenant in the Territorial Army in 1936 and was an officer in the University of Birmingham OTC. In February 1942 he was recruited by D.M. Newitt, Director of Scientific Research for the Inter-Services Research Bureau (ISRB), to be Senior Officer in charge of the laboratories of the ISRB research and development station at The Frythe.</p> <p>Correspondence and papers.</p> <p>5 folders.</p>	
A.29	Application by Cox for the Gardiner Chair in Chemistry at the University of Glasgow	1941
A.30	University of Leeds	[1945]-1960
	<p>Appointment to the second chair in the Department of Inorganic and Physical Chemistry, 1945.</p> <p>Resignation effective 30 June 1960.</p>	
A.31	Election to the Fellowship of the Royal Society	1954
	<p>Letters of congratulation.</p>	
A.32	Government service	1950-1959
	<p>Cox served on a number of advisory boards and committees in the 1950s.</p> <p>Invitations to serve, letters of thanks on retirement etc.</p>	
A.33	Service to professional societies	1955, 1958, n.d.
	<p>Includes election as general member of the council of the Royal Institute of Chemistry.</p>	



**Biographical, A.1-A.176**

A.34-A.41	Agricultural Research Council	1957-1999
	Cox was appointed a member of the Agricultural Research Council in 1957. On 1 July 1960 he succeeded Sir William Slater as Secretary, retiring on 30 September 1971.	
A.34	2 letters <i>re</i> Cox's appointment as a member of the Council	1957
A.35, A.36	Correspondence and papers <i>re</i> appointment as Secretary of the Council	1959-1960
	2 folders.	
A.37-A.39	Correspondence and papers <i>re</i> retirement from Council	1971
	Includes letters of appreciation and good wishes.	
	3 folders.	
A.40	Correspondence and papers <i>re</i> Cox's later associations with the Council and agricultural research	1969-1994
A.41	Manuscript notes on Cox and the ARC by his widow, M.R. Truter	
	Includes sheet of notes <i>re</i> BSE, dated January 1999.	
A.42	Candidature for the Principalship of University College Swansea	1959
	Cox withdrew his candidature in July 1959.	
A.43	British Association for the Advancement of Science	1963, 1968
	Invitation to accept a Vice-Presidency of Section M (Agriculture), November 1963.	
	Brief correspondence <i>re</i> invitation to take an unspecified appointment with the British Association, January-February 1968.	



**Biographical, A.1-A.176**

A.44	Knighthood  Letters of congratulation.	1964
A.45, A.46	Honorary degree, University of Newcastle  An honorary degree was conferred on Cox on the occasion of the installation of the Duke of Northumberland as Chancellor of the University, 30 April 1964.	1964
A.45	Order of proceedings and issue of university gazette with speeches of presentation	
A.46	Photographic record of the installation of the Chancellor	
A.47	Honorary degree, University of Birmingham  Seating plans and biographical profile of Cox.	1964
A.48	Marriage of Cox and Dr Mary R. Truter  Announcement in <i>The Times</i> and signed greetings card from Agricultural Research Council headquarters staff.	1968
A.49	Honorary degree, University of Bristol  Includes order of proceedings for the degree congregation and addresses by the public orators.	1969
A.50	Public service  Cox undertook a number of advisory and honorary positions in respect of government and private institutions.	1972-1976
A.51	Honorary Associateship, Royal College of Veterinary Surgeons  The Associateship was conferred on Cox on 6 June 1972. 1996 letter is from Lady Cox.	1972, 1996

**Biographical, A.1-A.176**

A.52	Honorary degree, University of Bath	1973-1976
	Correspondence and papers <i>re</i> arrangements, oration, order of proceedings and certificate for conferment of honorary degree on Cox, 5 July 1973.	
	Correspondence <i>re</i> nominations for 1976 honorary degrees.	
A.52A	Honorary degree, University of East Anglia	1972-1973
	Correspondence <i>re</i> arrangements for conferment of honorary degree on Cox, 13 July 1973.	
A.53-A.64	80th birthday	1986
A.53-A.63	Correspondence and papers, principally relating to 80th birthday lunch party at the Royal Institution, 24 April 1986.	
	11 folders.	
	Unindexed.	
A.64	'80th birthday book'	
	Book of signatures of colleagues from the Royal Institution, University of Birmingham, Second World War, University of Leeds, Agricultural Research Council and British Association.	
A.65	Sixty Years Membership of the Royal Society of Chemistry	N.d.
	Congratulations from the officers and council of the Society.	
A.66-A.77	Letters of condolence	1996
	Cox died on 23 June 1996.	
	Unindexed.	



**Biographical, A.1-A.176**

A.66-A.71	Alphabetical sequence of letters  6 folders.  First names only and unidentified are at A.71.	
A.72-A.75	Cards  4 folders.	
A.76	Letters from organisations	
A.77	Letters <i>re</i> donations in Cox's memory	
A.78-A.82	<b>DAY BOOKS</b>	1981-1994, n.d.
A.78-A.81	'EGC's Day Books'  Contents of envelope so inscribed	N.d., 1994
A.78	Notebook inscribed 'Barlow etc' on front cover  This was the crystallographer William Barlow, died 1934.	N.d.
A.79	Notebook inscribed on front cover '(1) Examinations, Oxford Locals etc etc History of (6) Sir James Crichton-Browne' and 'Recent (since 1967) of R.I. at back'  Latest date with reference to notes on the Royal Institution 1979.	N.d.
A.80	Notebook inscribed on front cover 'Daily Notes 20 July 1994'  Loose notes enclosed at the back.	1994

**Biographical, A.1-A.176**

A.81	Untitled notebook dated '27-10-94' on the first page of notes which begin 'I was born on the 24th April 1906, at Pretoria Cottage, Southdown, Twerton, which had ... recently been assimilated by the borough of Bath.'	1994
A.82	<p>'Duplicate Book' used for notes on reading.</p> <p>Loose note enclosed at front</p> <p>1p only of book dated '2-5-81'. Latest bibliographical reference on first page of loose notes, 1983.</p> <p>The 'duplicate book' is presented here with the 'day books' for convenience.</p>	N.d.
A.83-A.91	<b>FAMILY, PERSONAL AND SOCIAL</b>	<b>1907-1988</b>
A.83	<p>Letters to Cox from his father, 1956-1973 and from his father's third wife, Marion, 1984</p> <p>Cox's father who was born in 1884 died in 1987 aged 103.</p>	1956-1984
A.83A	<p>'Lecture 10 to 24'</p> <p>Notebook so titled dated on first page 'Decr.27.07' and initialed 'E.H.C'.</p> <p>Enclosed at front of the notebook is part of letter from Cox, 17 July 1989, in which he explains that he was 'trying to form a picture of my father's activities before the first world war, when he was giving up accountancy because of bad sight and turning to horticulture in which he was largely self-taught'.</p> <p>Notebook used for notes on manures, principles of fruit-growing, fruit other than hardy, etc., 1907-1908.</p>	1907-1908, 1989
A.84	<p>Notebook used by Cox for notes on the Somerset War Agriculture Committee in 1917</p> <p>Relates to Cox's interest in finding out what his father did in respect of the War Agriculture Committee during the First World War.</p>	N.d.



**Biographical, A.1-A.176**

A.85	<p>1p manuscript note of daily expenses in 1927 found with <i>The Times</i> obituary of Dan Leno 1904 reprinted in the 'On this day' column of <i>The Times</i>, 1 November 1988</p> <p><i>The Times</i> press-cutting is annotated 'E.G.C. lived in Dan Leno's house in 1927'.</p>	1927, 1988
A.86	<p>Visitors Book (no covers) with explanatory note</p> <p>Signatures of 'overnight visitors to Gordon &amp; Lucie Cox 51 Westwood Lane Leeds 6 1947-1960' and '117 Hampstead Way London NW11 1960-1962'.</p> <p>Visitors include distinguished scientists such as Dorothy Hodgkin, W.N. Lipscomb and Kathleen Lonsdale.</p>	
A.87	<p>Two Christmas cards from Valerie and T.S. Elliot, 1960 and n.d.; press-cuttings, 1970, 1988</p> <p>Valerie Elliott (née Fletcher) lived next door to E.G. and Lucie Cox in Westwood Lane Leeds.</p>	1960-1988, n.d.
A.88	<p>Manuscript notes and brief correspondence re ornithological interests</p>	1947, 1956
A.89	<p>Personal correspondence</p>	1954-1984
A.90-A.91	<p>Social functions</p> <p>Invitations, menus, seating plans etc.</p> <p>2 folders.</p>	1954-1982
A.92-A.119A	<b>MISCELLANEOUS</b>	1886-1994
A.92-A.109	<p>'Obituaries etc'</p> <p>Contents of Cox's 'expanding wallet' so inscribed: obituaries and other biographical information about</p>	1945-1994

**Biographical, A.1-A.176**

scientists and other colleagues etc.

The sequence which is in alphabetical order includes correspondence including replies to Cox's letters of condolence.

A.92	A.-B.
A.93	C.
A.94	D.-E.
A.95	F.
A.96	G.
A.97	H.
A.98	I.-L.
A.99	Mac. / Mc.
A.100	M.
A.101	N.
A.102	O.
A.103	P.-Q.



**Biographical, A.1-A.176**

A.104	R.	
A.105	S.	
A.106	T.	
A.107	V.	
A.108	W.	
A.109	Z.	
A.110-A.118	'Quotations & Extracts etc.'	1886-1994
	Contents of folder so inscribed divided into nine for ease of reference: press-cuttings, manuscript notes, printed papers, etc relating to a wide range of Cox's interests.	
	These include Cox's scientific interests but also history of Somerset, literary interests etc.	
A.119	'Humour'	1971-1987
	Contents of folder so inscribed: correspondence and papers, varied in topic but including letters to The Times.	
A.119A	'Barlow'	1984-1989
	Contents of envelope so inscribed: correspondence, manuscript notes, background material <i>re</i> Cox's interest in the crystallographer William Barlow (1845-1934).	
	See also A.78.	

**Biographical, A.1-A.176**

<b>A.120-A.176</b>	<b>PHOTOGRAPHS</b>	<b>1927-1993, n.d.</b>
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For Cox's Second World War photographs see Section C.

<b>A.120-A.131A</b>	<b>Biographical</b>	<b>1927-1993</b>
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A.120	Photograph showing Cox with P.A. Sheppard, F.E.L. Parsons and L.F. Broadway, all former pupils of the City of Bath Boys' School, in 1927, the year of their graduation.	1927
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A.121	'X-ray lab Birmingham circa 1932 shows EGC T H Goodwin'	c 1932
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3 photographic negatives found in envelope so inscribed.

A.122	'Pre-war photographs'	N.d.
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Three photographic negatives with three prints found in envelope so inscribed.

A.123	'Institute of Petroleum dinner 27.2.52'	1952
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Partial identification on verso of those sitting with Cox.

A.124	'The Senate of the University of Leeds'	N.d.
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With manuscript key.

Although undated the photograph is accompanied by printed list of Leeds science staff with manuscript date '1955-6'.

A.125	Knighthood	1964
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Two photographs of Cox on the occasion of his investiture with son Keith Gordon Cox and daughter Patricia Ann Cox.



**Biographical, A.1-A.176**

A.126	Honorary degree University of Bath  Two photographs of the conferral of honorary degree on Cox.	July 1973
A.127	Presentation to Dr M.A.T. Rogers, Honorary Secretary, Royal Institution  Key on verso.	October 1973
A.128	Cox with his father Ernest Henry Cox on his 100th birthday	1984
A.129	Cox's 80th birthday party at the Royal Institution  Six photographs	1986
A.130	Bragg Lecture  Seven photographs of Bragg lecture given by Cox and M.F. Perutz at the Royal Institution and University of Manchester Institute of Science and Technology.  Includes photograph of Cox and Perutz with Dorothy Hodgkin and letter from President of British Crystallographic Association, J.A.K. Howard.	1993
A.131	Royal Society Club  Two photographs.	1993
A.131A	Passport format photographs of Cox	N.d.

**Biographical, A.1-A.176**

<b>A.132-A.141</b>	<b>'Leeds Chemistry Department'</b>	<b>1946-1966, n.d.</b>
	Contents of folder so inscribed.	
A.132-A.134	'Photographs of Chem. Dept, Leeds taken by J Allan Cash including Jeff and Stan Nyburg etc'	N.d.
	21 photographs.	
	3 folders.	
A.135	Laboratory photograph	N.d.
A.136	'NMR Research Group ... Leeds, March 1960'	1960
	With key on verso.	
A.137-A.140	Visitors and colleagues	1946, 1957, n.d.
	4 folders.	
A.141	Personal photographs found with Leeds chemistry department photographs	N.d., 1966
<b>A.142-A.156</b>	<b>Agricultural Research Council</b>	<b>1962-1971, n.d.</b>
A.142	'Opening of new microbiology laboratory, A.D.R.A., Moredun by Duke of Edinburgh 2 July 1962'	1962
A.143	'Directors dinner 1963'	1963
A.144	'Rowett Jubilee Dinner 2 Nov 1963'	1963
A.145	'Sir Theodore Fox (Editor of the <i>Lancet</i> ) & E.G. Cox at Jubilee dinner of the Medical Research Council 25 Nov 1963'	1963



**Biographical, A.1-A.176**

A.146	<p>'E.G. Cox being presented to the Queen by the Duke of Northumberland at the opening of the Meat Research Institute'</p> <p>Two undated photographs. Found in envelope postmarked in 1964.</p>	N.d. ? 1964
A.147	<p>'Mr Soldatov, Russian Ambassador, and Mr F. Peart, Minister of Agriculture, after the signing of the Anglo-Soviet agreement on co-operation in agricultural research, 6th Jan 1965'</p>	1965
A.148	<p>'Wye College 16 March, 1966'</p> <p>With key on verso.</p>	1966
A.149	<p>Visitors including Cox to Midland Shires Farmers Ltd, July 1968</p>	1968
A.150	<p>'A.R.C. Directors' Conference 17-19 October 1969, Sunningdale'</p> <p>With key.</p>	1969
A.151	<p>'Letcombe 30 Nov 1970'</p> <p>With key on verso.</p>	1970
A.152	<p>'Centenary Dinner, Central Veterinary Society 12 Dec 1970'</p> <p>Two photographs. With keys.</p>	1970
A.153	<p>'Photograph taken at Press Conference to launch the A.A.C. report on Modern Farming &amp; the Soil' date stamped '12 Jan 1971'</p>	1971

**Biographical, A.1-A.176**

A.154	<p>Signed card with photograph sent to Cox 'in happy memory of his visit to the Cambridge Unit on 30th July 1971'</p> <p>The card marks the visit of Cox to the ARC Unit of Reproductive Physiology and Biochemistry, Cambridge (Director T.R.R. Mann).</p>	1971
A.155	<p>Photograph of Sir Harry Himsworth at international meeting</p> <p>At his right is E.E. Cheeseman, scientific adviser in ARC.</p>	N.d.
A.156	<p>'Agricultural Research Council in Syon'</p> <p>Three photographs of members of the ARC at the home of its chairman, the Duke of Northumberland. With key.</p>	N.d.
<b>A.157-A.173</b>	<b>Visits and conferences</b>	<b>1945-1991, n.d.</b>
	<p>Contents of folder inscribed 'Crystallographic conferences, visits and related'.</p>	
A.157	<p>Photograph of Erwin Schrödinger, Max Born, Kathleen Lonsdale, P.P. Ewald and Eamon de Valera.</p> <p>This undated photograph is inscribed on verso '? Dublin during war'.</p>	N.d.
A.158	<p>'Prague 2.12.45'</p>	1945
A.159	<p>'Conference at Leeds 1946'</p> <p>With key.</p>	1946
A.160	<p>First Congress of the International Union of Crystallography, Harvard University, July 28 - August 3, 1949</p> <p>With key.</p>	1949



**Biographical, A.1-A.176**

A.161	<p>'Visit to Penn. State : date ? 1950 ? was IBM same time or before Montreal congress in 1957?'</p> <p>Contents of envelope so inscribed: four photographs, two including IBM staff member.</p>	N.d.
A.162, A.163	<p>'Stockholm 1951'</p> <p>Contents of envelope so inscribed: photographs and postcards from visit to Scandinavia for Second International Congress of Crystallography. Cox was accompanied by D.W.J. Cruickshank.</p> <p>2 folders.</p> <p>At A.163 are postcards from visit to Norway.</p>	1951
A.164	<p>'Amsterdam 1952'</p> <p>Contents of envelope so inscribed: four informal photographs from visit to Amsterdam.</p>	1952
A.165	<p>University of Leeds Summer School 1952'</p> <p>With key.</p>	1952
A.166	<p>Third International Congress of Crystallography, Paris, July 1954</p> <p>Four photographs including congress photograph and photograph of Cox addressing General Assembly.</p>	1954
A.167	<p>'Montreal 1957'</p> <p>Contents of envelope so inscribed: two photographs taken in connexion with visit to Canada for Fourth International Congress of Crystallography.</p>	1957
A.168	<p>'Bellagio photos (Aug 1962)'</p> <p>Contents of folder so inscribed: three photographs of participants at meeting, Villa Serbelloni, Bellagio, Italy.</p>	1962

**Biographical, A.1-A.176**

A.169	British Crystallographical Association meeting, Sheffield, March 1991  Three photographs of participants. With keys on verso.	1991
A.170	150th Anniversary of the Chemical Society, April 1991  Two photographs taken at the Guildhall dinner and strip of photographic negatives.	1991
A.171	Unidentified group photograph  Cox is stood next to M.F. Perutz.	N.d.
A.172	'Faraday Society Dipole Moments Oxford'  Contents of envelope so inscribed: composite photograph and negatives.	N.d.
A.173	Group photograph at Leeds at unidentified occasion  With key.	N.d.
<b>A.174-A.176</b>	<b>Miscellaneous</b>	<b>N.d., 1989</b>
A.174	'Astburys & S.R. Carter. Filey'  Two photographic negatives found in envelope so inscribed.	N.d.
A.175	Photograph of portrait of 'Harold Himsworth by John Ward R.A.'	N.d.
A.176	Correspondence, 1989, <i>re</i> photograph taken at AUT Council meeting May 1939	1989



<b>SECTION B</b>	<b>RESEARCH, B.1-B.96</b>	<b>1927-1990</b>
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B.1-B.16	NOTEBOOKS
B.17-B.93	RESEARCH FOLDERS
B.94-B.96	MISCELLANEOUS

<b>B.1-B.16</b>	<b>NOTEBOOKS</b>	<b>1927-1946, n.d.</b>
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B.1	'Experimental Notes'	1927
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Softbacked exercise book so inscribed on front cover which is also inscribed with Cox's name. First page is headed with the date '1927'.

Dated entries run from 30 September to 17 November. Also notes on 'Crystallisation of Benzene', 'Laue Photographs of Benzene', 'Groth on Benzene', 'Rotation Photographs of Benzene' etc.

B.2	'Cryst Notebook I, or CI'	1929
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Hardback notebook so inscribed on page 1. This pencil inscription may not be contemporary with the use of the notebook. Also inscribed inside front cover in ink with date '7/11/29' and 'E.G. Cox Chemistry Department The University Birmingham'. Paginated 1-382 with index at the back of the notebook.

B.3	'Cryst II'	1932
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Hardback notebook so inscribed on the head and 'CII' on spine. Also inscribed inside front cover with date 'Nov. 1932' and Cox's name and address at Birmingham. Paginated 1-231 with index at the back of the book.

B.4	'X Ray III'	1932
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Hardback notebook so inscribed on first page. Also inscribed inside front cover with date 'Nov. 1932' and Cox's name and address at Birmingham. Paginated 1-163 with index at the back of the book.

**Research, B.1-B.96**

- |     |   |                                 |
|-----|---|---------------------------------|
| B.5 | <p>'X Ray Crystallography I'</p> <p>Hardback notebook so labelled on front cover. Also inscribed 'X Ray Work' on head with Cox's name and address at Birmingham inside front cover. Paginated 1-413 with index at the back of the notebook.</p> <p>Includes records of photographs taken with different types of camera, analysis of data, notes on calibration, possible structures, etc.</p> <p>The notebook is undated. However photograph no.55 (p.8) is identified as taken in August 1930. Latest bibliographical reference 1934 (p.53).</p>  | <p>N.d. c 1930 - c<br/>1934</p> |
| B.6 | <p>'X-Ray Note Book E.G. Cox'</p> <p>Hardback notebook so labelled on front cover. Also inscribed on spine 'C XR II Nov 31 - Dec 1934' and on head 'X 2' and inside front cover 'X-Ray Note-Book II' with date '13 November 1931' and Cox's name and address at Birmingham. Paginated 1-349 with index at the back of the book.</p> <p>Includes records of photographs taken with different types of cameras, analysis of data, etc.</p> <p>On p.89 there is a reference to a private communication from J.D. Bernal, 28 January 1932, under heading 'Vitamin D &amp; related substances'; notes on ascorbic acid (p.357) are dated '13/12/34'.</p> | <p>1931-1934</p>                |
| B.7 | <p>'[R]ecord of X-Ray Photographs'</p> <p>Hardback notebook so labelled on front cover with contents list on first page. Paginated 1-[137]. Page 1 has note 'Continued from X-Ray Notebook II, p327 [B.6]'.</p> <p>There are dated photographs between '1/2/33' (p.56) and '17/2/36' (p.137). Most photographs are undated.</p>   | <p>1933-1936</p>                |
| B.8 | <p>'Record of X-Ray Photographs. Book 2'</p> <p>Hardback notebook so labelled on front cover. Also inscribed on spine 'Record Book 2' with contents list on first page. Paginated 1-183.</p> <p>There are dated photographs between '21/11/35' (p.38) and '2.6.37' (p.111).</p>   | <p>1935-1937</p>                |



**Research, B.1-B.96**

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|-------|--|-----------|
| B.9   | <p>Record of X-Ray Photos Book 3'</p> <p>Hardback notebook so labelled on front cover with contents list on first page. Paginated 1-130.</p> <p>There are dated photographs between '1.2.37' (p.1) and '7/10/40' (p.109)</p> <p>Loose at front of notebook are three envelopes containing photographs.</p>   | 1937-1940 |
| B.10  | <p>'Rough Book'</p> <p>Hardback notebook so labelled on spine. Also inscribed on first page 'H Saenger X ray Results'. Includes notes on crystal specimens, calculations, drawings, etc. Paginated 1-383.</p> <p>Most work undated but includes sequence dated 26 October - 1 November 1933 (pp 107-117) and note 'confirmed '6/2/36' (p.224).</p> | 1933-1936 |
| B.11  | <p>Small hardback notebook with Cox's name and address at Birmingham inside the front cover</p> <p>Used for notes on research and other activities at Birmingham.</p> <p>First page headed 10 May 1937.</p>  | 1937      |
| B.12  | <p>Small hardback notebook with Cox's name and address at Birmingham inside the front cover</p> <p>Notes on research and the literature and at the back of the book record of photographs. Paginated 1-195.</p> <p>Includes work dated 1939-1941.</p>  | 1939-1941 |
| B.12A | <p>Small softback notebook with Cox's name on the front cover and name and address at Birmingham inside front cover</p> <p>Used for work on explosives including notes on the literature and visits to Royal Ordnance factories, April 1941-March 1942. Paginated 1-99.</p>  | 1941-1942 |

B.13	<p>'X-Ray examination of miscellaneous crystalline compounds for Unit Cell and Space group determinations'</p> <p>Hardback notebook so inscribed on first page. The book was kept G.A. Jeffrey.</p> <p>The work is undated but two enclosed letters addressed to Jeffrey are dated in 1943 and 1946 respectively.</p>	1943, 1946
B.14	<p>'K.C. Webster X-Ray Notes 1934-1935'</p> <p>Pages torn from notebook with first page so inscribed.</p>	1934-1935
B.15	<p>'W. Costain Pages of Notebook'</p> <p>Contents of envelope so inscribed. Includes work dated between October 1938 and November 1939.</p>	1938-1939
B.16	<p>'Crystallography of decalin 2-7 diones ? Costain'</p> <p>Contents of envelope so inscribed. Includes pages and back cover from notebook.</p>	N.d.
B.17-B.93	<p><b>RESEARCH FOLDERS</b></p> <p>Alphabetical sequence arranged by topic.</p>	1929-1990
B.17	<p>Ardealite and other minerals related to gypsum</p> <p>Contents of folder: correspondence, manuscript notes and x-ray films <i>re</i> ardealite, brushite and pharmacolite.</p>	1957-1959
B.18-B.20	<p>Benzene</p> <p>Contents of folder labelled 'Benzene : Faraday (1825) - Jeffrey, C6D6 (1987)' divided into three for ease of reference: manuscript notes, printed and duplicated papers, 1966-1990.</p>	1966-1990
B.19	<p>At B.19 is copy of letter from Cox to the <i>New Scientist</i>, 23</p>	/...



**Research, B.1-B.96**

/...	February 1990.  See also G.26	
B.21	Calcium Carbonate Hexahydrate  Contents of folder so labelled: manuscript notes and letter from Albright & Wilson Ltd to G.A. Jeffrey, Chemistry Department, University of Leeds, 28 October 1949.	1949
B.22-B.72	Explosives	1936-1978
B.22-B.42	'Explosives & Static (Birmingham)'  Contents of folder so inscribed: principally copies of wartime reports prepared by Cox and colleagues at Birmingham.	1940-1948
B.22	Two reports on the electrification of TNT by Cox, 26 April and 14 June 1940	1940
B.23	Reports by Cox on 'Static Electrification: Tetryl', 5 July and 'Static Electrification:- Footwear', 16 August 1941	1941
B.24	Report by Cox on 'Static Electrification: Laboratory Experiments on Tetryl', 23 September 1941	1941
B.25	Papers, October 1941  Include report by Cox on 'Static Electrification: Attempts to Ignite Explosives by Sparks of Known Energy', 17 October 1941.	1941
B.26-B.27	Papers, November-December 1941 and n.d.  2 folders.  At B.27 are typescript and duplicated copies of report by Cox on 'Static Electrification: General Principles', 3 December 1941.	1941, n.d.

**Research, B.1-B.96**

B.28	Two reports by Cox on 'Static Electrification', January-February 1942	1942
B.29	Papers re static electrification by Cox, March 1942	1942
B.30	Papers, April-May 1942  Includes report by A.R. Boyle and G.F. Claringbull on 'Static Electrification: Ignition of explosives by electric sparks'.	1942
B.31	Papers, July-December 1942  Includes reports by Boyle and Claringbull.	1942
B.32	Reports by Boyle and Claringbull on static electrification and conducting bakelite, February-April 1943	1943
B.33	Reports on static electrification by Boyle, Claringbull and F.J. Llewellyn, June-August 1943	1943
B.34	Reports by Boyle and Llewellyn and notes of meeting to consider co-ordination of work on static electrification, October-December 1943	1943
B.35	Reports by Boyle and Llewellyn on ignitibility of materials tested at request of H.M. Inspectorate of Factories, January-February 1944	1944
B.36	Reports by Boyle and Llewellyn on the ignitibility of materials, April-June 1944	1944
B.37	Reports by Boyle and Llewellyn on electrification, electrostatic hazards and electrostatic ignitibility, August-December 1944	1944



**Research, B.1-B.96**

B.38	Reports by Boyle and Llewellyn on static electrification, electrostatic hazards and electrostatic ignitibility, February-May 1945	1945
B.39	Reports by Boyle and Llewellyn on electrostatic ignitibility, October 1945 and list of Birmingham Electrification Reports, December 1941-October 1945	1945
B.40	<p>'Electrostatic Hazards in the Chemical Industry'</p> <p>3pp synopsis of lecture by Cox given to Leeds section of Royal Institute of Chemistry, 12 January 1948.</p>	1948
B.41, B.42	<p>Papers found together in wrappers divided into two for ease of reference</p> <p>Include reports on visits to Royal Ordnance Factories and various notes, remarks, comments and tables.</p> <p>The wrappers at B.41 are a list of Birmingham Electrification Reports.</p>	1942-1944
B.43-B.53	<p>'E.G. Cox Birmingham Reports Ministry of Supply'</p> <p>Contents of folder so inscribed: reports and papers prepared by Cox and colleagues at Birmingham.</p> <p>Cox's colleagues include G.F. Claringbull and F. J.Llewellyn.</p>	1940-1970
B.43	Reports on laboratory methods, August 1940 and February 1942	1940, 1942
B.44	Crystallographic work on explosives. Report on work done by E.G. Cox under extra-mural research contract 287/Chem/12 for the year ending 4 March 1941	1941
B.45	<p>Programme of crystallographic work on explosives to be done by Cox, 2 September 1941</p> <p>Crystallographic work on explosives. Report by Cox for the period 4 March-4 September 1941.</p>	1941

Research, B.1-B.96

B.46	<p>'Nitrocellulose'</p> <p>Contents of paper 'cover for documents' so inscribed. Includes report by Cox and E.L. Hirst on molecular structure and arrangement of nitrocellulose in cordite, 5 November 1941.</p>	1941
B.47	<p>Paper on structure of dimethylnitramine</p> <p>Undated but refers to recent revisions of bond lengths in a 1941 publication.</p>	c 1941
B.48	<p>Papers, January-September 1942</p> <p>Includes papers on R.D.X. and general progress reports for the half years ending 26 February 1942 and 4 September 1942.</p>	1942
B.49	<p>Papers on pentaerythritol tetranitrate and 'T.N.T./Tetryl', February and November 1943.</p>	1943
B.50	<p>Paper on R.D.X, 6 March 1944</p>	1944
B.51	<p>Undated wartime paper on crystallisation of tetryl.</p>	N.d.
B.52	<p>Title page and summary of 'Ministry of Supply Extra-mural contract 7/Chem. 24. (Crystal Growth) Final Report (Covering the period May 1950 - September 1951)', January 1954</p>	1954
B.53	<p>Printed papers</p>	N.d., 1970
B.54-B.60	<p>'Explosives : Cox &amp; Peace'</p> <p>Contents of folder so inscribed: notes and extracts from the literature, wartime and postwar papers.</p> <p>With his student Peace Cox provided for the Ministry of</p>	1936-1950  /...



**Research, B.1-B.96**

/...	Supply in 1948 a final summarising report of the Birmingham wartime reports on static electrification.	
B.54-B.56	Notes and extracts from the literature  3 folders.  The sources draw on British, German and US literature and cover an extensive period. Latest bibliographical reference, 1944.	
B.57	Wartime papers by Cox and Birmingham colleagues, Boyle and Claringbull	N.d., 1943
B.58, B.59	Postwar papers  2 folders.  At B.59 is report by A.G. Peace on the electrostatic ignitability and electrification of hexamine fine powder, August 1948 and title page of 'Ministry of Supply Static Electrification - Birmingham wartime reports', October 1948.	1946-1950
B.60	Printed papers	1936, 1948
B.61-B.71	'Explosives Book'  Contents of folder so inscribed divided into eleven for ease of reference: data, references, correspondence and drafts of 'The crystal structure of explosives' by Cox, J.R.C. Duke and R.W.H. Small.  Cox (with Duke and Small) contributed a chapter to <i>Science of explosives: a collection of monographs mainly on physics and physical chemistry of explosives, being records of researches carried out during the war of 1939-1945 in Government Establishments and Universities, under the aegis of the Advisory Council on Scientific Research and Technical Development, Ministry of Supply, with contributions by Messrs. Imperial Chemical Industries Ltd</i> , edited by Cecil Edwin Henry Bawn and Godfrey Rotter. 1956.	1952-1956

**Research, B.1-B.96**

B.72	Reports and printed paper found loose  There are two reports by Cox on crystal growth, 1949 and 1951, for the Explosives Research and Development Establishment, Waltham Abbey, Essex.	1949-1978
B.73	Murexide  Contents of folder so labelled: manuscript and typescript notes, x-ray photographs etc.	1956
B.74, B.75	Naphthathinathren  Contents of folder divided into two for ease of reference: correspondence, data, drafts, etc.	1934-1956
B.76-B.78	Oxalates  Contents of folder so inscribed divided into three for ease of reference: correspondence, manuscript and typescript notes, data, etc.	1952-1982
B.79-B.85	Sugars  Contents of folder so inscribed divided into seven for ease of reference: index cards, manuscript notes, correspondence, printed and duplicated papers.	N.d., 1929-1965
B.86, B.87	'Tin Lead Thallium'  Contents of folder so inscribed divided into two for ease of reference: manuscript notes, typescript draft etc.	1938-1939
B.88-B.93	Weissenberg apparatus  Contents of folder inscribed 'Paul Fund : Integrating Mechanism' divided into six for ease of reference: correspondence and papers <i>re</i> work undertaken on two Weissenberg goniometers with funding from the Paul Instrument Fund.  The Paul Fund financed the development of instruments for research in pure and applied physical research.	1948-1957



**Research, B.1-B.96**

**B.94-B.96**

**MISCELLANEOUS**

**1930s-1970s**

Miscellaneous manuscript and typescript notes, etc.

3 folders.

SECTION C

SECOND WORLD WAR, C.1-C.78

1939-1996

C.1-C.4	PERSONAL DOCUMENTS
C.5-C.11	DIARIES
C.12-C.49	'Gp G MITU etc'
C.50, C.51	'WAR : SOE'
C.52-C.58	MISCELLANEOUS CORRESPONDENCE AND PAPERS
C.59-C.78	PHOTOGRAPHS

See also A.24-A.28, H.8.



**Second World War, C.1-C.78**

<b>C.1-C.4</b>	<b>PERSONAL DOCUMENTS</b>	<b>1942-1967</b>
C.1-C.3	Identity cards, ration books, postwar credits, etc  3 folders.	1942-1967
C.4	Tenancy agreement for the Bungalow, Ayot St Lawrence, Hertfordshire  Cox lived here while working at The Frythe. The tenancy agreement was from 28 August 1942 to expire one month after final cessation of hostilities.	1942
<b>C.5-C.11</b>	<b>DIARIES</b>	<b>1939-1945</b>
C.5	University of Birmingham Guild of Undergraduates pocket diary  With Cox's name and university departmental address at front.	1939-1940
C.6	Metropolitan-Vickers Electrical Company Ltd pocket diary	1941
C.7	Pocket diary  With Cox's name and private Birmingham address at front.	1943
C.8	Pocket diary  With Cox's name and address (64 Baker St., London, W.1) at front.	1943
C.9	I.C.I (Dyestuffs) Ltd pocket diary  With Cox's name and addresses (The Frythe and The Bungalow Ayot St Lawrence) at front. The last entry for 1944 is 7 July.	1944

**Second World War, C.1-C.78**

C.10	<p>Small format notebook used from the front for diary style entries from 18 July 1944-4 January 1945</p> <p>First entry begins 'Landed Le Hamel near Asnelles [Normandy] 14.30.'</p> <p>The notebook is used from the back for 'Record of photographs'.</p>	1944-1945
C.11	<p>'Agenda' diary</p> <p>The first entry 4 January 1945 repeats the last entry of the preceding: 'Travelled Brussels to Paris with Capt. Wickstead and X-ray apparatus'.</p>	1945
C.12-C.49	<p><b>'Gp G MITU etc'</b></p> <p>Contents of hardback folder so inscribed: papers found loose, in envelopes and folders.</p> <p>The papers are presented in the order found.</p> <p>Group G, formed during 1941, had as its aim the coordinated, effective and intelligent sabotage of all the technical and industrial installations used by the enemy for the direct or indirect conduct of the war. See C.48.</p>	1941-1948
C.12	<p>Untitled 'pamphlet' <i>re</i> explosives</p>	N.d.
C.13	<p>List of identity cards, etc., 3 May 1945, with the ten documents listed</p>	1945
C.14	<p>Miscellaneous papers found loose in hardback folder</p> <p>Includes 'Extract from London "Daily Express" of Tuesday 10 Apr 45 Secret Explosive for V2'.</p>	1945, n.d.
C.15, C.16	<p>Contents of envelope divided into two for ease of reference: photographs of equipment</p>	N.d.



**Second World War, C.1-C.78**

C.17, C.18	Contents of envelope divided into two for ease of reference: photographs and film strips	N.d.
C.19	Counter-sabotage manual, February 1943	1943
C.20.	Technical Review Number Five, February 1945	1945
C.21	'German Three-man Dropping Container'  Paper by Cox, 16 February 1945.	1945
C.22	'M.I.T.U. Introduction', 'M.I.T.U. Talk on Sabotage Bombs' and 'Counter Sabotage Talk to accompany M.I.T.U. demonstration'  Three papers found clipped together. The counter sabotage talk is dated 11 January 1945.	1945
C.23	'Counter-Intelligence'  'U.T.C.' lecture, 6 December 1948.	1948
C.24	'The Belgian Resistance Movement'  Lecture by Cox, 4 November 1946.	1946
C.25-C.28	Contents of envelope addressed to 'Lt/Col Cox S.P.U. 47 Brussels' and inscribed 'Charlier' divided into four for ease of reference  Papers <i>re</i> sabotage activities of Belgian Resistance Group G Region 8. Charlier was the leader of Region 8.	1944-1945
C.29-C.38	'Group G Pending'  Contents of folder so inscribed: typescript papers, manuscript notes, diagrams etc.  The papers are presented in the order found.	1945

**Second World War, C.1-C.78**

- C.29 Papers *re* development and constitution of Group G
- C.30 Papers *re* clandestine manufacture of explosives, preparation of cheddite, manufacture of grenades and filling of 3 and 5 kg. prepared charges
- C.31 Includes paper *re* activities of Henri Sergeys alias Clement
- C.32 Samples of paper used for wrapping cartridges, 'part of explanation of "mine secrete" ', manuscript notes, diagrams, addresses, etc
- C.33 'Information from Mireille', tribute to resistance hero Paul Brancart and papers *re* Group G Regions VII and VIII
- C.34 Paper *re* Group G Region III (Hainaut Nord)
- C.35 Paper *re* Group G Region VII (Hainaut Sud)
- C.36 Paper *re* Group G Region 8 'General and Parachutage'
- C.37 Paper *re* Group G Sector 36 'Sabotage by Industrial Managements'
- C.38 Paper *re* Group G 'Interrogation of Head of "Service Materiel" '
- C.39, C.40 'EGC/GB/1139 42. Sabotage Group G Annexes'
- Contents of folder so inscribed divided into two for ease of reference.



**Second World War, C.1-C.78**

- |      |  |      |
|------|--|------|
| C.41 | Figures illustrating acts of sabotage  |      |
| C.42 | Paper <i>re</i> Group G Region VII 'Detailed List of Sabotage Operations'  |      |
| C.43 | Paper <i>re</i> Group G Region 3 (Hainaut Nord) 'Activities in Sector 6 (La Louviere)'   |      |
| C.44 | List of photographs taken in the Louviere Area, 'certificates of commendation' and correspondence, June-July 1945                  | 1945 |
| C.45 | Paper <i>re</i> Group G Region 3 (Hainaut Nord) 'General and Parachutages'   |      |
| C.46 | Paper <i>re</i> 'Sabotage of Canals : Hainault (West)'   |      |
| C.47 | Paper <i>re</i> Group G 'Parachutage during the Occupation'  |      |
| C.48 | Technical Report of the Action of Group G 'Technical Objectives of the Group' and record of the actions of Region 8 from June 1944 |      |
| C.49 | 'L'Homme Libre'<br><br>'Organe du Front Souterrain' no. 3, duplicated typescript with manuscript date '10-5-41'.                   | 1941 |

**Second World War, C.1-C.78**

<b>C.50, C.51</b>	<b>'WAR : SOE'</b>	<b>1944-1993</b>
	Contents of folder so inscribed.	
<b>C.50</b>	Correspondence and papers	<b>1944-1991</b>
	Includes correspondence with or about wartime colleagues and arising from 1950 visit to Belgium	
<b>C.51</b>	Newspaper obituaries of wartime colleagues, etc	<b>1971-1993</b>
<b>C.52-C.58</b>	<b>MISCELLANEOUS CORRESPONDENCE AND PAPERS</b>	<b>1975-1996</b>
<b>C.52</b>	Correspondence etc with wartime colleagues	<b>1975-1982</b>
	Includes photographs 1981-1982 and 1 sheet from wartime diary sent to Cox in 1981.	
<b>C.53, C.54</b>	Printed and duplicated papers <i>re</i> The Frythe	<b>1981, n.d.</b>
	2 folders.	
<b>C.55</b>	Includes recollections of R.K. Callow at The Frythe	<b>1983, 1986</b>
<b>C.56-C.58</b>	Papers <i>re</i> Special Forces Club, SOE Memorial Westminster Abbey etc	<b>1988-1996</b>
	3 folders.	



**Second World War, C.1-C.78**

<b>C.59-C.78</b>	<b>PHOTOGRAPHS</b>	<b>N.d., ?1943-1989</b>
C.59-C.73	'War Photos (including Ayot)'  Contents of envelope so inscribed.	N.d., 1945
C.59	Group photograph of Frythe personnel  Partial identification on verso and ? on envelope in which photograph found.	N.d.
C.60	Unidentified group photograph of military personnel	N.d.
C.61	Unidentified photograph of soldier with Airedale terrier and binoculars	N.d.
C.62	3 group photographs found together, one with partial identification on verso including Victor Rothschild	N.d.
C.63	11 photographs found together including duplicate of photograph with Victor Rothschild	N.d.
C.64	4 photographs found together, one with manuscript identification on verso '23 Avenue de Marigny [Paris] Feb. or March 1945'	1945
C.65	12 photographs found together, one with manuscript inscription on verso 'Neer (S.W. of Venlo) 12.5.45'	1945
C.66	11 photographs found together including two with manuscript inscriptions 'Neer (S.W. of Venlo) 12.5.45' and three with inscriptions identifying the location as 'between Tilburg and Best 12 May 1945'	1945

**Second World War, C.1-C.78**

C.67	7 photographs found together, one with manuscript inscription on verso 'Maj. R.C. Bryant [?] L. Bryant [?] C.D. Worth. Burma House, Tilburg 12 May 1945'	
C.68	41 photographs found together of major river, destroyed bridge etc, one photograph with manuscript inscription 'Bridge over Maas at Grave' and three photographs dated on verso '13.5.45'	1945
C.69	2 photographs, one with manuscript note by 'D.W.J.C.[ruickshank] 23 May 1999' to the effect that these photographs may relate to ceremony in May 1945 at the town of Roeulx in Belgium for a memorial to Paul Brancart, hero of the resistance, Group G.  Cruickshank wrote the biographical memoir of Cox for the Royal Society.	1945
C.70	12 photographs found together taken in liberated Europe, one with manuscript inscription on verso ' "Happy" Major Keen'	N.d.
C.71	9 photographs taken in liberated Europe	N.d.
C.72	29 photographs found together taken in liberated Europe, one photograph dated 'Sept 20'.  Includes photographs of railway lines, locomotive etc.	
C.73	15 unidentified photographs found together	N.d.
C.74-C.76	'The Frythe & Ayot'  Contents of envelope so inscribed.	N.d.
C.74	14 passport style photographs of personnel  All unidentified.	N.d.



**Second World War, C.1-C.78**

C.75	6 photographs of buildings in park land, village scene, and interior	N.d.
C.76	2 photographs used as Christmas greetings cards  From the Wayne family of the Manor House, Ayot St Lawrence, Hertfordshire	N.d.
C.77	'Frythe Photographs'  Contents of envelope so inscribed: 10 photographs of buildings, personnel etc.  The photographs were found enclosed in a sheet of paper 'SOE Bibliography' which has been retained.	N.d.
C.78	'SOE'  Contents of envelope so inscribed: golden wedding photograph of Lloyd Wilson and family 1989, photographic negative with manuscript note 'Jean Wilson Lucie Cox (holding the Wilson first-born ? Kenneth) Gordon Cox at the Bungalow Ayot St Lawrence ? 1943 or early 1944'; group photograph of personnel inscribed on verso 'Dr Cox Station 9' with key on accompanying sheet of paper.	? 1943, 1989

<b>SECTION D</b>	<b>UNIVERSITY OF LEEDS, D.1-D.75</b>	<b>1933-1997</b>
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D.1-D.70	CHEMISTRY DEPARTMENT
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D.71-D.75	GENERAL UNIVERSITY
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<b>D.1-D.70</b>	<b>CHEMISTRY DEPARTMENT</b>	<b>1933-1997, n.d.</b>
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In 1945 Cox was invited to one of the two Chairs of Inorganic and Physical Chemistry at the University of Leeds. In 1953 his title was changed to Inorganic and Structural Chemistry.

<b>D.1-D.8</b>	<b>General correspondence and papers</b>	<b>1945-1986, n.d.</b>
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This sequence is highly miscellaneous including correspondence with departmental colleagues and visitors to the department.

Contacts with the department and its former members continued after Cox left Leeds.

D.1	1945
	Brief correspondence <i>re</i> equipment.

D.2	1951-1952
	Includes obituary of M.G. Evans (Professor of Physical and Inorganic Chemistry at Leeds 1939-1948) died 1952, and two student budgets 1952.

D.3	1953-1954
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D.4	1955-1958, 1976
	Includes papers <i>re</i> molecular models.



University of Leeds, D.1-D.75

D.5	1958-1961	
	Includes draft paper by Cox and D.S. Beard 'about the Cold Room' and correspondence and papers <i>re</i> molecular models.	
D.6	1961-1963	
D.7	1972-1986	
D.8	N.d.	
	Includes undated letter from M.G. Evans who died in 1952.	
D.9-D.27	Research	1933-1960
	Includes papers <i>re</i> work of research students, use of computers and information prepared for Cox's successor.	
D.9-D.15	Contents of Cox's folder divided into seven for ease of reference: correspondence and papers <i>re</i> work of A. White and D. Lee on Roussin's salts	1949-1952
D.16-D.18	Summaries of research work and proposed research topics for research students etc	1952-1959, n.d.
	3 folders.	
D.19, D.20	'Computing DSIR Annual Reports'	1953-1958
	Contents of folder so inscribed divided into two for ease of reference: correspondence and papers <i>re</i> crystallographic computations on the 'Manchester electronic digital computer'.	
	The work was directed by D.W.J. Cruickshank. The papers include his manuscript and typescript reports to Cox, grant application from Cox to the Department of Scientific and Industrial Research and annual reports to the DSIR.	

**University of Leeds, D.1-D.75**

D.21	<p>Grant application to DSIR from Cox and D.S. Bradley for the development of high pressure research</p> <p>The grant was awarded for three years 1959-1962. Included with papers <i>re</i> the application is a letter from Cox to the Vice-Chancellor, Leeds University, 11 August 1960, <i>re</i> the continuation of the research after his departure from the University in 1960.</p>	1959-1960
D.22-D.27	<p>'Research Programmes'</p> <p>Contents of folder so inscribed divided into six for ease of reference: correspondence and papers <i>re</i> research students, research topics, reorganisation of the department, etc. Some were assembled for Cox's immediate successor at Leeds.</p> <p>At D.23 are notes advising on the development of chemistry laboratories at University College Sussex, with covering letter from Cox, 3 June 1960.</p> <p>At D.27 are printed and duplicated papers <i>re</i> the history and development of the university, 1933-1957.</p>	1933-1960
D.28-D.65	<p><b>Teaching</b></p> <p>Includes papers <i>re</i> postgraduate summer schools.</p>	1947-1960
D.28-D.36	<p>Contents of folder</p> <p>The papers are presented in the order found.</p>	N.d., 1947-1958
D.28	<p>Duplicated typescript sheet headed 'Powder Photograph. I.' and 'Leeds/Cryst./30' and dated 'November 1947' clipped together with the photograph and manuscript notes</p>	1947
D.29	<p>Typescript drafts including 'The Relation between Optical Properties and Structure' for Summer School in Optical Crystallographic Methods 1951 and 'Crystal Symmetry Two or three introductory lectures (for summer schools etc.)', n.d.</p>	N.d., 1951



**University of Leeds, D.1-D.75**

D.30	Typescript drafts of Supplementary Examination for PhD Papers I and II, December 1956 and duplicated typescript examination questions, September -October 1957	1956-1957
D.31	Typescript and printed Institute of Physics, University of Leeds and University of London examination papers, 1951-1957	1951-1957
D.32	Duplicated typescripts: 'An Example to illustrate the Elementary Principles of Structure Determination by X-Rays', June 1958 and 'Sodium Nitrite An Example of X-ray Structure Analysis', July 1958	1958
D.33	Miscellaneous papers: examination questions, duplicated typescript 'Fourier Synthesis of Electron Density: Sodium Nitrite', figures	N.d.
D.34	Duplicated typescript for 'Leeds Summer School, Tuesday 9th September, 1952' and photographs	1952
D.35	Duplicated typescripts for Leeds Summer School including 'Exercises on Optical Methods and Fourier Transforms' and 'Answers'	1952
D.36	Duplicated typescripts for Leeds 'Post-Graduate Summer Schools 1951-52' including programme and recommended books	1952
D.37-D.40	Contents of folder	N.d., 1948-1955
D.37	Triphenylbenzene'  Typescript draft so titled with manuscript additions.	N.d.
D.38	'The Stereographic Projection'  Typescript drafts so titled + figures.	N.d., 1951, 1955

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University of Leeds, D.1-D.75

/...	Includes paper headed 'Summer School 1951' and duplicated sheet dated August 1955.	
D.39	'Elements of the Stereographic and Gnomonic Projection'  Duplicated typescript paper so titled with manuscript inscription 'Manchester Summer School 1948'	1948
D.40	'Sucrose Stereographic Projection Waiting to be <i>re-written</i> '  Manuscript notes, diagrams in wrapper so inscribed	N.d.
D.41-D.43	Contents of folder	1949
D.41, D.42	Typescript and duplicated typescript papers <i>re</i> 1949 Summer School at Leeds  2 folders.	
D.43	Papers found in envelope at the back of the folder  Includes oscillation photographs from a printed source.	
D.44-D.46	'Lecture Notes'  Contents of folder so inscribed divided into three for ease of reference: typescript drafts including 'Combined P2 and S3: Autumn Term 1952 Molecular Structure: Wave-mechanics and applications' (D.44) and 'Summer School in Optical Crystallographic Methods 1951 Symmetry of Crystals (2 lectures)' (D.46).	1951-1952
D.47-D.50	'Diffraction Methods of Studying Molecular Structure'  Contents of folder so inscribed.	N.d., 1954-1958
D.47	Includes typescript draft headed 'Chemistry I1 Diffraction methods of studying molecular structure', n.d. and manuscript notes headed 'P2 October 1955, 1956: I1, 1958 Diffraction methods of studying chemical structure'	N.d., 1955-1958



University of Leeds, D.1-D.75

D.48	Duplicated typescripts: 'An Example to illustrate the Elementary Principles of Structure Determination by X-Rays', June 1958 and 'Sodium Nitrite An Example of X-ray Structure Analysis', July 1958 with manuscript notes and typescript and duplicated typescript material <i>re</i> problems including note dated 3 December 1958. Cf. D.32	1958
D.49	Manuscript and typescript notes and drafts including 'Exercise on molecular weights (Paper IV, 1954)'	N.d., 1954
D.50	Printed background material	
D.51-D.57	'Lecture Notes'  Contents of folder so inscribed: three folders of typescript drafts etc.	N.d., 1954, 1958
D.51-D.53	'Atomic Structure Elem. Wave Mechanics N.B. These are S1 notes and have not been revised since 1954'  Contents of folder so inscribed.	N.d.
D.51	Typescript and manuscript notes on 'The Structure of Atoms' with manuscript additions and corrections, paginated 1-26	
D.52	Manuscript notes on 'Wave Mechanics' with manuscript additions, paginated 1-11; duplicated manuscript notes headed 'Solution of the Schroedinger equation for the hydrogen atom', paginated [1]-7	
D.53	Manuscript notes on 'The Hydrogen Atom' with manuscript additions and corrections, paginated 1-6; manuscript notes on 'Atomic Hydrogen' with manuscript additions, paginated 7-8; manuscript notes on 'Selection Rules'	
D.54, D.55	'Diatomic Molecules'  Contents of folder so inscribed divided into two for ease of reference: typescript notes headed 'Valency, Chemical Binding and Molecular Structure I1 Lecture Course,	1954, 1958  /...

University of Leeds, D.1-D.75

/...	February 1958' with manuscript additions, paginated 1-38; 'I1 Problems 1958'; and 'Special Studies Chemistry Second Year (P2) Vacation Exercises, Christmas 1954'.	
D.56, D.57	'Electrical and Magnetic Properties of Molecules'  Contents of folder so inscribed.	N.d., 1954, 1958
D.56	Includes typescript notes on 'The Electrical Properties of Molecules with manuscript additions, paginated 1-9	N.d.
D.57	Includes typescript notes on 'Magnetochemistry' and 'Nuclear Magnetic Resonance' with manuscript additions	N.d.
D.58-D.63	Contents of folder	N.d., 1958
D.58-D.61	Manuscript, typescript and duplicated typescript notes and drafts  4 folders.  Include 'Conclusions derived from investigations of the structure of chemical substances' and 'The wave-mechanical theory of chemical binding' (D.59) and 'Diatomic molecules with equal atoms' (D.60).	N.d., 1958
D.62, D.63	Photocopied pages from printed source ( <i>Progress in Stereochemistry</i> 2. ed W. Klyne and P.B.D. de la Mare. 1958)  2 folders.	1958
D.64, D.65	Miscellaneous manuscript and typescript notes and drafts  2 folders.	1958-1960
D.66	<b>Colvin Reading Room and Undergraduate Library</b>  James Colvin was a member of the Leeds Chemistry Department who died at the age of 47 in 1949. A Trust	1950-1987  /...



University of Leeds, D.1-D.75

/... fund was set up with the intention of establishing in his memory a reading room and library for chemistry students. After a number of temporary expedients the opening of the Colvin Room in 1977 was marked with a simple ceremony. Cox was present at this event and a tenth anniversary occasion in 1987.

Correspondence and papers, 1950-1987, including obituary notice of Colvin and papers *re* 1987 anniversary celebration.

D.67-D.70      **Pentaerythritol Carpet**      1937-1997

Cox and co-workers at Birmingham performed a 3-D X-ray crystal structure analysis of pentaerythritol. Subsequently in 1951 at the time of the Festival of Britain crystal structure patterns were sought after as new designs for textiles and other materials. The manufacturer, James Templeton, Ltd, of Glasgow produced a unique carpet depicting the crystal structure of Pentaerythritol for the exhibition in London.

The carpet was later acquired by Cox for his room in the Leeds Chemistry Department (1952-1960).

D.67      'Pentaerythritol Carpet'      1937, 1950-1951

Correspondence and papers so labelled *re* the use of the pentaerythritol structure for design, copyright, and purchase of carpet by Cox, August 1950-April 1951.

Found with off-print of Cox's paper (with F.J. Llewellyn and T.H. Goodwin) 'The Crystalline Structure of the Sugars. Part IV. Pentaerythritol and the Hydroxyl Bond', *Journal of the Chemical Society*, 1937.

D.68      Correspondence and papers *re* history of the carpet after Cox's departure from Leeds and other matters, September 1990-February 1997      1990-1997

Includes 1p typescript note 'Crystallography on the Carpet' and photograph

D.69      Reports of work on Pentaerythritol at Leeds      1958-1959

**University of Leeds, D.1-D.75**

D.70	Related printed and duplicated material  Includes <i>Design, the Monthly Journal for Manufacturers and Designers</i> , May-June 1951 with article on Festival Pattern Group.	
<b>D.71-D.75</b>	<b>GENERAL UNIVERSITY</b>	<b>1945-1993</b>
D.71	Miscellaneous correspondence and papers	1945-1979
D.72	'Manton'  Contents of envelope so inscribed: letters from Irene Manton, 1947, 1961, letter to Manton on the occasion of her 80th birthday, 1984 and obituaries, 1988.  Irene Manton was Professor of Botany at Leeds, 1946-1969.	1947-1988
D.73	Correspondence <i>re</i> appointments	1964
D.74	Correspondence and papers <i>re</i> Lyddon Hall  Cox was a Regent of Lyddon Hall of Residence.	1949-1991
D.75	Printed papers including obituaries of Leeds staff	1955-1993



**SECTION E**

**AGRICULTURAL RESEARCH COUNCIL, E.1-E.163**

**1942-1995**

For Cox's appointment to and retirement from the the ARC  
see Section A.

For Cox's lectures, speeches and addresses as Secretary,  
ARC see Section F.

For Cox's 'private correspondence ARC 1960-1971' see  
Section J.

E.1-E.10

NOTES AND NOTEBOOKS

E.11-E.63

GENERAL CORRESPONDENCE

E.64-E.158

TOPIC FOLDERS

E.159-E.163

PRESS CUTTINGS

**Agricultural Research Council, E.1-E.163**

<b>E.1-E.10</b>	<b>NOTES AND NOTEBOOKS</b>	<b>1961-1973, n.d</b>
E.1	<p>Index card box containing Cox's notes arranged by topic: 'Australia', 'Pringle: Wad: Mann: Wigglesworth', 'SHRI', 'Rowett: Macaulay: PRC: ABRO: Hannah', 'Computing', etc</p> <p>The notes appear to have been originally written in small format pocket notebooks, the pages of the notebooks being subsequently torn out and presented as found in the index card box.</p> <p>They provide informal documentation of aspects of the early years of his ARC Secretaryship.</p> <p>This system of recordkeeping seems to have preceded the use of the notebooks at E.2-E.7</p>	1961-1967
E.2	<p>Notebook used by Cox for record of ARC activities, 18 September 1967 - 31 December 1967</p>	1967
E.3	<p>Notebook used to record Cox's ARC activities, 1 January - 6 May 1968</p>	1968
E.4	<p>Notebook used by Cox for record of ARC activities, 7 May 1968 - 28 September 1968</p>	1968
E.5	<p>Notebook used to record Cox's ARC activities, 30 September - 19 December 1968</p> <p>Loose papers enclosed at front.</p>	1968
E.6	<p>Notebook used for record of Cox's ARC activities, 20 December 1968 - 13 May 1969</p> <p>Most pages not used.</p>	1968-1969
E.7	<p>Notebook used for record of Cox's ARC activities, 23 February - 25 August 1971 with final entry, 27 September 1973</p>	1971-1973



**Agricultural Research Council, E.1-E.163**

- |  |   |                  |
|--|---|------------------|
| E.8-E.10   | Pages torn from small format notebooks<br><br>See also E.129.<br><br>3 folders.   | 1970, n.d.       |
| <br>   |   |                  |
| E.11-E.63  | <b>GENERAL CORRESPONDENCE AND PAPERS</b>  | <b>1942-1994</b> |
| <br>The continuation of the sequence to 1994 reflects his continuing interest in the ARC and agricultural research after he stepped down from the Secretaryship in 1971. |   |                  |
| E.11   | 1942, 1954<br><br>Papers preceding Cox's assumption of the Secretaryship  |                  |
| E.12   | 1960-1961<br><br>Includes papers <i>re</i> visit to Africa, 1961 and 'Note on the organisation and responsibilities of the headquarters office of the Agricultural Research Council', 11 December 1961.   |                  |
| E.13   | 1962 (1)<br><br>Page from <i>Farmer and Stockbreeder</i> , 6 February 1962 illustrating 'Wiltshire v. Heavy Hog The Agricultural Research Council's test - the only large scale official test - compares the £ s. d. of the Bacon Pig versus Heavy Hog' with explanatory note and original artwork. |                  |
| E.14   | 1962 (2)<br><br>Notes for the record of meetings between the Lord President and Cox, 19 April, 18 May and 23 July 1962.   |                  |
| E.15   | 1962 (3)<br><br>Includes paper <i>re</i> 'U.G.C. earmarked grants', 6 November 1962.  |                  |

**Agricultural Research Council, E.1-E.163**

- |      |          |   |
|------|----------|---|
| E.16 | 1963     |   |
|      |          | Includes press-cuttings <i>re</i> visit to Africa by Cox.   |
|      |          |   |
| E.17 | 1964     |   |
|      |          | Includes manuscript note on meetings with ministers to January 1964 and note of a meeting, 5 October 1964, 'to consider whether it seemed desirable to improve the quality of plant physiology in the research service/or in the universities and if so how best this could be achieved'. |
|      |          |   |
| E.18 | 1965 (1) |   |
|      |          | Includes memorandum by E.E. Cheesman on 'Research, Experiment and the Advisory Service', 25 October 1965.   |
|      |          |   |
| E.19 | 1965 (2) |   |
|      |          | Correspondence and papers <i>re</i> <i>New Yorker</i> cartoon which Cox wished to adapt as a Christmas card.  |
|      |          | Cox proposed to amend the original caption 'How do we know he's thinking rubber?' by replacing 'rubber' with farm animals'. He saw the cartoon as succinctly summarising 'the essential problem of the scientific administrator'.   |
|      |          |   |
| E.20 | 1965 (3) |   |
|      |          | Large format version of the adapted <i>New Yorker</i> cartoon   |
|      |          |   |
| E.21 | 1966     |   |
|      |          | Includes note of meeting in the Secretary's office, 27 January 1966, 'to discuss the programmes of the official plant breeding stations' and papers <i>re</i> 'Forward Programme of Science Expenditure', March - April 1966.   |
|      |          |   |
| E.22 | 1967 (1) |   |
|      |          | Includes 'Notes for Lord Halsbury' on 'Computing for the Agricultural Research Council's Institutes and Units', 20 February 1967.   |



**Agricultural Research Council, E.1-E.163**

- E.23                      1967 (2)
- Papers *re* 'Sutherland Report Cmnd 3222 March 1967'.
- The reference is to the Report of the Working Party on Liaison between Universities and Government Research Establishments. etc. chaired by Sir Gordon Sutherland. Parliamentary Papers. Cmnd. 3222.
- E.24                      1967 (3)
- Includes 'notes on individual scientists in the agricultural research service recently elected to the Royal Society', June 1967 and duplicated typescript of 'Science and Industry' broadcast (in which Cox contributed), August 1967.
- E.25                      1967 (4)
- Correspondence *re* proposal to appoint a Second Secretary, August-October 1967; 'Extracts from Report on Public Sector Purchasing by Robert Maxwell, M.C., M.P.'; and typescript papers on the 'Crop Protection Institute' and on 'Experimental Animal Accommodation', October 1967.
- E.26                      1967, 1969
- Correspondence with and about F.R. Tubbs, Director, East Malling Research Station including post-retirement arrangements.
- E.27                      1968
- Includes draft paper on 'The Research Council System', 11 December 1968.
- E.28                      1969 (1)
- Includes papers on 'Botany' and 'Re-orientation of Scientific Activity', January 1969.

**Agricultural Research Council, E.1-E.163**

- E.29                      1969 (2)
- Includes paper by K.L. Blaxter on 'Affluence and Agriculture', May 1969.
- E.30                      1969-1970 (1)
- Includes papers *re* future status of Agricultural Research Council with explanatory note.
- E.31                      1969-1970 (2)
- Includes Cox's comments, 2 January 1970, on letter sent to Mr Heath, Leader of the Opposition, from an unknown correspondent suggesting the Opposition give some thought to a review of the Food and Agricultural Policy of the UK, with explanatory note.
- E.32                      1970 (1)
- Includes note on the Visiting Group System for Senior Staff Meeting and minutes of meeting of Civil Service Department Committee of Enquiry into Food and Agricultural Research, January 1970.
- E.33                      1970 (2)
- Includes Cox's Letter to the Editor of *The Times* (which was published in the Business News section, 2 January 1970, under the title 'British agriculture: an enviable record') and correspondence arising, January-February 1970.
- E.34                      1970 (3)
- Includes comments on whether food production could be expanded to meet any foreseeable rise in the world population, May 1970.



**Agricultural Research Council, E.1-E.163**

- E.35                      1970 (4)
- Includes correspondence and papers *re* talk to the Agricultural Research Council by the Ministry of Agriculture, Fisheries and Food's Chief Economist, 16 June 1970.
- E.36                      1970 (5)
- Includes correspondence with Tristram Beresford arising from Cox's thinking about planning for the future, February - May 1970.
- E.37                      1970 (6)
- Includes notes on 'Food Research' and 'Appointments of Directors', June - July 1970.
- E.38                      1970 (7)
- Includes note on 'Some of the Secretary's outside commitments', August 1970, letter from Cox published in *Farmer and Stockbreeder*, 8 September 1970, under the title 'ARC not overstuffed or unaccountable or a burden'.
- E.39                      1970 (8)
- Includes papers on ultrasonic testing, criteria for judgements about research programmes, green crop dehydration and the public image of the ARC, October 1970, minutes of extraordinary meeting of the Agricultural Research Council, 27 November 1970 and letter from Cox published in the *New Scientist*, 3 December 1970, under the title 'Cox's apple'.
- E.40                      1970 (9)
- Includes papers *re* the classification of ARC activities in respect of basic research, applied research and development, assembled November-December 1970.

**Agricultural Research Council, E.1-E.163**

- E.41                      1971 (1)
- Includes 'Constitutional Position of the Council Office Note' and 'Draft of proposed letter to the Secretary of State, 8 February and 'A note on alleged criticism of the ARC', 16 February 1971.
- E.42                      1971 (2)
- Includes papers *re* East Malling and Long Ashton Research Stations and note on 'Agricultural Research Council Development and Invention', March 1971.
- E.43                      1971 (3)
- Includes note of 'Meeting between the Minister and the Chairman of the ARC', sent to Cox, April 1971.
- E.44                      1971 (4)
- Includes 'ARC Forward Look 1972-73 to 1976-77' sent to the Department of Education and Science, May 1971.
- E.45                      1971 (5)
- Includes correspondence *re* proposed transfer of responsibility for ARC to MAFF, future of the research councils and the pay of scientific classes, June-July 1971.
- E.46                      1971 (6)
- Includes conclusions of meeting of working group on post-harvest physiology and storage of fruit, 9 August 1971.
- E.47                      1971 (7)
- Papers for ARC Directors' Conference, October 1971.
- E.48                      1971 (8)
- Correspondence, October, December 1971.



**Agricultural Research Council, E.1-E.163**

- E.49                      1972
- Includes papers sent to Cox by S.R. Elsdon, Director, Food Research Institute, Norwich, February 1972.
- E.50                      1973
- Papers for Visit of University Grants Committee's Agricultural Sub-Committee, Queen's University, Belfast, 8 March 1973, including programme and Cox's manuscript and typescript notes.
- E.51                      1974-1978
- Includes letter from ARC, 8 September 1978, in reply to letter from Cox enquiring about the papers about a grant made to Rosalind Franklin for the study of DNA by X-ray analysis, and Cox's manuscript notes on Franklin.
- E.52                      1980-1982
- Includes letter from a former staff member reflecting on the move of the John Innes Institute to Norwich, 16 May 1980, with explanatory note.
- E.53                      1982-1983
- Correspondence and papers *re* House of Commons Agriculture Committee enquiry into the organisation and financing of agricultural research and development.
- Cox presented a memorandum and appeared as a witness before the Committee.
- E.54                      1983 (1)
- 'Papers relevant to SPP article'. Contents of envelope: newspaper cuttings, extract of paper by P.M. Biggs relating to funding and organisation of veterinary research with covering letter from Biggs, 1979-1983.
- Cox published an article in *Science and Public Policy* in August 1983.

**Agricultural Research Council, E.1-E.163**

E.55	1983 (2)	
	Letters received after the publication of Cox's article in <i>Science and Public Policy</i> .	
E.56	1984	
	Includes typescript of letter from Cox to the Editor of <i>The Times</i> titled 'Africa's Empty Larder', 27 February 1984 with correspondence arising from its publication.	
E.57	1985-1986	
	Includes correspondence and exhibit handout <i>re</i> nitrogen fixation. With the 1985 papers is a manuscript letter from F.W.R. Brambell, 20 November 1962 supporting an ambitious programme of research in nitrogen fixation.	
E.58	1987-1994	
	Includes newspaper obituaries.	
E.59	N.d.	
	Includes manuscript and typescript notes from the period of Cox's ARC Secretaryship.	
E.60-E.63	Miscellaneous printed background material	1951-1984
	4 folders.	
	Includes material <i>re</i> ARC research stations.	



**Agricultural Research Council, E.1-E.163**

<b>E.64-E.158</b>	<b>TOPIC FOLDERS</b>	<b>1953-1995</b>
	The contents of Cox's titled folders arranged alphabetically by folder title.	
E.64-E.70	'Achievements of Agric. Research'	1953-1977
E.64-E.68	Papers found loose in the folder divided into five for ease of reference  Manuscript and typescript notes, duplicated and printed material presented in the order found.	1953-1977
E.69-E.70	Papers found in envelope inscribed 'Comment & Criticism' divided into two for ease of reference  Typescript notes, correspondence, duplicated and printed material. At E.69 is letter from Cox to the <i>Farmer and Stockbreeder</i> , 26 August 1969.	1965-1971
E.71-E.75	'ARC Unit of Structural Chemistry'  Correspondence and papers re the establishment of a unit of structural chemistry under the honorary directorship of R.S. Nyholm. M.R. Truter was appointed Nyholm's second-in-command.  5 folders.	1962-1965
E.76-E.87	'Constitutional and organisational matters'  Correspondence and papers <i>re</i> relations with Ministry of Agriculture, Fisheries and Food, the position arising from the Secretary's impending retirement etc.  The papers at E.87 were found in an envelope inscribed 'Trend Haldane' and include 'Extracts from the Trend Report (Cmnd. 2171, 1963) References to the Haldane Committee Report'.  12 folders.	1963-1970

**Agricultural Research Council, E.1-E.163**

- |             |  |           |
|-------------|--|-----------|
| E.88        | 'Economics (MAFF)'   | 1970      |
|             | Correspondence and papers <i>re</i> agricultural economics.  |           |
| E.89        | 'Farm Effluent'  | 1968-1969 |
|             | Correspondence and papers <i>re</i> the problem of farm effluent. The folder was also inscribed 'Galley's Enquiry'.  |           |
| E.90        | 'Finance'  |           |
|             | Papers <i>re</i> 1969-1970 Estimates.  |           |
| E.91-E.100  | 'Food Marks & Spencer BFMIRA [British Food Manufacturing Industries Research Association]'   | 1964-1973 |
|             | Correspondence and papers <i>re</i> food research including 'Criticism from Marks & Spencer and correspondence used by EGC to refute it'.                              |           |
|             | Cox served as President of the BFMIRA, 1972-1973. See E.100 for 'Introductory Remarks by the President' at the 'Opening of New Wing BFMIRA', 8 May 1973.               |           |
|             | 10 folders.  |           |
| E.101-E.109 | 'HAC AAC SAIC'   | 1965-1972 |
|             | Correspondence and papers <i>re</i> Horticultural Advisory Council, Agricultural Advisory Council and Scottish Agricultural Improvement Council.                       |           |
|             | 9 folders.   |           |
|             | At E.108-E.109 are papers found in envelope inscribed '[AAC] Communications Panel 1972'. Cox was a member of the Panel.  |           |
| E.110-E.115 | 'John Innes Institute'   | 1960-1971 |
|             | Correspondence and papers <i>re</i> transfer of the John Innes Institute from Bayfordbury, Hertfordshire to Norwich in association with the University of East Anglia. |           |
|             | 6 folders.   |           |



**Agricultural Research Council, E.1-E.163**

E.116, E.117	<p>'Move of John Innes Institute to UEA'</p> <p>Correspondence and papers <i>re</i> obituary of Roy Markham, former director of John Innes Institute, and history of the move to UEA</p> <p>2 folders.</p>	1960-1990
E.118	<p>'N[orthern] I[reland] Research Coordinating Committee'</p> <p>Correspondence and papers.</p>	1970-1973
E.119-E.123	<p>'Osmond Correspondence'</p> <p>Correspondence with S.P. Osmond and others <i>re</i> the work of a small intra-governmental working party, chaired by Osmond, which was established to look at the organisation of food and agricultural research. See also E.124-E.127.</p> <p>Cox was concerned that the intention was to change the status of the ARC placing it under the direction of the Ministry of Agriculture, Fisheries and Food. Osmond was Deputy Secretary, Civil Service Department, 1968-1970.</p> <p>5 folders.</p>	1969-1970
E.124-E.127	<p>'Osmond Miscellaneous Papers'</p> <p>Miscellaneous papers <i>re</i> the Osmond Committee including draft report (E.124). See also E.119-E.123.</p> <p>4 folders.</p>	1970-1971
E.128, E.129	<p>'Planning Unit'</p> <p>Correspondence and papers <i>re</i> setting up a planning unit at ARC headquarters.</p> <p>At E.129 are pages torn from small format notebook.</p> <p>2 folders.</p>	1969-1971

**Agricultural Research Council, E.1-E.163**

E.130-E.134	<p>'Plant Breeding'</p> <p>Correspondence and paper.</p> <p>5 folders.</p>	1969-1970
E.135-E.141	<p>'Relations with MAFF'</p> <p>Correspondence and papers.</p> <p>Papers at E.141 were found together in a separate folder also inscribed 'Relations with MAFF'.</p> <p>7 folders.</p>	1961-1974
E.142	<p>'Re-orientation (Secretary's duplicate papers and rough notes)'</p> <p>Papers <i>re</i> CSP (Council for Scientific Policy) working group on reorientation.</p>	1969-1970
E.143, E.144	<p>'Research Organisation (Dainton)'</p> <p>Papers <i>re</i> Working Group of the Council for Scientific Policy on the Organisation of Research. The Group was chaired by F.S. Dainton.</p> <p>At E.144 is Cox's note for the Working Group on the work of the Agricultural Research Council.</p> <p>2 folders.</p>	1971
E.145-E.151	<p>'Rothschild'</p> <p>Correspondence and papers <i>re</i> reactions to Rothschild proposals on government research and development.</p> <p>Include Cox's notes on Victor Rothschild, December 1992 (E.145), copies of his <i>Nature</i> article on the Rothschild and Dainton reports and the public lecture on which the article was based, February 1972 (E.149) and his leading article on 'Rothschild and Research', <i>Royal Society of Health Journal</i>, January-February 1972 (E.150).</p> <p>The Rothschild report and the report of Dainton's CSP working group (see E.143-E.144) were published together as <i>A Framework for Government Research and</i></p>	1971-1992



**Agricultural Research Council, E.1-E.163**

*Development Cmnd 4814, 1971 (E.146).*

7 folders.

E.152-E.154	'Scientific Advisers'	1965-1971
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Memos to and from ARC scientific advisers.

3 folders.

E.155-E.158	'Units'	1961-1995
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Miscellaneous correspondence and papers *re* ARC units.

4 folders.

E.159-E.163	<b>PRESS-CUTTINGS</b>	1969-1972
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Principally *re* Rothschild report.

5 folders

SECTION F	LECTURES AND PUBLICATIONS, F.1-F.92	1928-1992
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F.1-F.61A	LECTURES
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F.62-F.92	PUBLICATIONS
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F.1-F.61A	LECTURES	1930s-1975
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F.1-F.32	Public and invitation lectures on scientific topics	1930s-1960
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This sequence of lectures was kept together by Cox.

F.1	<p>Typescript list of lectures given by E.G. Cox</p> <p>2 copies of list giving date, place, title and sponsoring body of lectures given by Cox, 1946-1960. One of the copies has extra lectures added in pencil, including two at the head of the list given in the 1930s.</p> <p>Not all the lectures listed are represented by surviving drafts.</p>
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F.2	<p>'Crystallographic contributions to the Stereochemistry of Platinum, Palladium and Nickel', Birmingham, 1930s</p> <p>10pp typescript draft</p>	1930s
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F.3	<p>'Optical Properties of Crystals and Molecular Structure', Birmingham, 1930s</p> <p>8pp typescript draft.</p>	1930s
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F.4	<p>'Consulting the X-Ray Expert', Summer School in Physical Chemistry, Manchester, ?1946</p> <p>19pp typescript draft.</p>	?1946
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**Lectures and publications, F.1-F.92**

F.5	'The Belgian Resistance Movement', Midday Lectures Committee, Leeds University, 8 November 1946  5pp typescript draft + 1p examples.	1946
F.6	'Explosives', 16 December 1946  5pp typescript.	1946
F.7	'The training of X-ray Crystallographers', paper given in discussion on 'Training of X-ray Crystallographers for Science & Industry', X.R.A.G. [X-ray Analysis Group of the Institute of Physics], London, April 1947  6pp typescript draft with manuscript notes of discussion continuing on back of p.6.	1947
F.8	'Some Optical Properties of Molecules', lecture given at Manchester, September 1947 and Hull, February 1948  11pp manuscript draft + 1p references; 7pp typescript draft of lecture with same title.	1947-1948
F.9	'Crystallographic technique and its significance for chemistry', Tilden Lecture, Chemical Society, London, 23 October 1947 and Liverpool University, 4 March 1948  6pp typescript draft 'unfinished'.	1947-1948
F.10	'Recent work in Crystal Chemistry', Leicester University, '? Univ. Coll. Chem. Soc. or R.I.C. [Royal Institute of Chemistry]', Queen Mary College Chemical Society and A.E.R.E. Harwell, March-April 1949  6pp typescript draft.	1949
F.11	'Molecular Polarisation', Christ's Hospital, Horsham, 24 October 1949  6pp manuscript draft.	1949

**Lectures and publications, F.1-F.92**

- |      |   |      |
|------|---|------|
| F.12 | 'Crystal Growth', Leeds University Geological Society, 27 January 1950<br><br>2pp typescript draft.   | 1950 |
| F.13 | 'Some Factors affecting the accuracy of X-ray analysis', Physics Department Colloquium, Leeds University, 7 November 1950<br><br>5pp manuscript draft.                                | 1950 |
| F.14 | 'Bond Lengths: their measurement and significance', St Andrews University, 10 November 1950<br><br>4pp typescript draft; off-print.   | 1950 |
| F.15 | 'The Use of Optical and Magnetic Methods in the Determination of Molecular Structure', Durham University, 4 February 1952<br><br>9pp typescript draft.                                | 1952 |
| F.16 | 'Physical Methods of determining pre-historic and geological age', Delft, The Netherlands, May 1952 and Bristol, October 1952<br><br>7pp typescript draft + figures and references.   | 1952 |
| F.17 | 'Magnetic Methods for the Study of Molecular Structure', The Netherlands, May 1952 and Manchester University, 2 December 1952<br><br>6pp typescript draft with manuscript annotation. | 1952 |
| F.18 | 'The changed outlook in organic stereochemistry', British Association, Oxford, 2 September 1954<br><br>10pp typescript draft + references; 2pp typescript draft 'Summary'.            | 1954 |



**Lectures and publications, F.1-F.92**

- |      |  |           |
|------|--|-----------|
| F.19 | <p>'The molecular structure of benzene: some unresolved problems', Society of Chemical Industry meeting, Durham, 24 November 1954 and Queen's College, Dundee, 20 January 1955</p> <p>9pp typescript draft titled 'Benzene' + figures and off-print.</p> <p>Cox also lectured on benzene to the Science Masters' Association, Leeds, 25 October 1958 and at Edinburgh University, 25 November 1958 and King's College, Newcastle, 23 January 1959.</p> | 1954-1955 |
| <br> |  |           |
| F.20 | <p>'Nuclear Magnetic Resonance Absorption', Rayon Research Association, 7 January 1955</p> <p>8pp typescript draft.</p>  | 1955      |
| <br> |  |           |
| F.21 | <p>'Some applications of science to prehistoric archaeology', Leeds Grammar School, 4 February 1955</p> <p>13pp typescript draft titled 'Some Rambling Thoughts about Science and Archaeology'; manuscript and typescript notes on the literature</p>  | 1955      |
| <br> |  |           |
| F.22 | <p>'Structural Chemistry and Geology', Leeds University Geological Society, 28 October 1955</p> <p>7pp manuscript draft.</p>   | 1955      |
| <br> |  |           |
| F.23 | <p>'New Methods and new ideas in structural chemistry', Glaxo Laboratories, Ulverston, Lancashire, 25 November 1955</p> <p>2pp typescript draft + 2pp illustrations.</p>   | 1955      |
| <br> |  |           |
| F.24 | <p>Presidential Address, Leeds University Chemical Society, 16 October 1956</p> <p>5pp typescript draft.</p>   | 1956      |

**Lectures and publications, F.1-F.92**

- |      |  |      |
|------|--|------|
| F.25 | <p>'Nuclear Magnetic Resonance', Institute of Physics, Manchester, 9 November 1956</p> <p>8pp typescript draft with extensive manuscript additions and corrections.</p>  | 1956 |
| <br> |  |      |
| F.26 | <p>'Methods &amp; Procedures in Crystal-Structure determination by X-ray diffraction: some typical results', Manchester College of Technology, 11 February 1957</p> <p>7pp typescript draft titled 'Some crystallographic results of chemical interest' with manuscript additions.</p> | 1957 |
| <br> |  |      |
| F.27 | <p>'Molecules and Light', two lectures for school children, Leeds University, 9-10 December 1957</p> <p>10pp typescript draft + lists of experiments and demonstrations and lantern slides, etc.</p>   | 1957 |
| <br> |  |      |
| F.28 | <p>'Magnetism and Chemistry', S.M.A. [Science Masters' Association] Annual Meeting, Leeds University, 2 January 1958</p> <p>4pp typescript draft with manuscript additions.</p>  | 1958 |
| <br> |  |      |
| F.29 | <p>'Application of X-ray Analysis and Nuclear Magnetic Resonance to Problems in Inorganic Chemistry', College of Technology, Birmingham, 22 March 1958</p> <p>12pp typescript draft with manuscript additions; programme of 8 lectures of which Cox's was the last.</p>                | 1958 |
| <br> |  |      |
| F.30 | <p>'Some Stereochemical By-ways', Priestley Club, Leeds, 9 February 1960</p> <p>10pp typescript draft + references and illustration.</p>   | 1960 |
| <br> |  |      |
| F.31 | <p>'Some Aspects of the Structural Chemistry of Platinum', Royal Institute of Chemistry (Leeds Area Section), 15 February and Manchester College of Science and Technology, 16 February 1960</p> <p>Two 8pp typescript drafts.</p>   | 1960 |



**Lectures and publications, F.1-F.92**

F.32	<p>'Professorial Reflections', Evening Discourse to the X-Ray Analysis Group, Reading, 8 April 1960</p> <p>11pp typescript draft with manuscript additions and corrections.</p>	1960
F.33-F.61A	<p><b>Miscellaneous lectures, speeches and addresses</b></p> <p>The sequence includes Cox's lectures and speeches as Secretary of the Agricultural Research Council.</p> <p>It includes a little material <i>re</i> broadcasts. At F.61A is an 'as broadcast' script of a radio talk by a former colleague of Cox's, A.D. Booth.</p>	1954-1975
F.33	<p>Lectures 1954</p> <p>Roundhay School Prize-Giving, Leeds, 14 January 1954.</p> <p>6pp typescript with manuscript amendment for address on similar occasion at Middlesborough Girls High School. See F.35.</p> <p>'The Place of Science in the Education of Girls', address to Leeds Girls' High School Parents, 17 February 1954</p> <p>6pp typescript.</p>	1954
F.34	<p>Lectures 1956</p> <p>'The Universities', Conference on the Education and Training of Chemists, University of London, 26 October 1956.</p> <p>Printed papers only.</p> <p>'Chemical Society Dinner, 8 November 1956'</p> <p>Speaking notes.</p>	1956
F.35	<p>Lectures 1957</p> <p>Middlesborough Girls' High School Prize-Giving, 27 March 1957.</p>	1957  /...

**Lectures and publications, F.1-F.92**

/...	9pp typescript draft with additions and crossings-out.  'Contribution to Discussion on the Training of Chemists', Leeds, 11 November 1957  2pp typescript draft.	
F.36	Veterinary Research Club, 10 February 1961  5pp typescript speaking notes of Cox 'as your guest'.	1961
F.37	Lectures January, March 1962  'The World's Need for Applied Biologists'.  4pp typescript dated 'Jan 1962'.  'S.C.I. Pesticides Group, 19 March 1962'.  4pp typescript.	1962
F.38	Opening of Walls Laboratories, Atlas Road, N.W.10, 18 May 1962  5pp typescript; 2pp typescript 'Some suggested points for inclusion in Opening Address'; suggested timetable etc.	1962
F.39	'Research and the Land Today and Tomorrow'  Published text only of lecture given under the auspices of the Devon County Agricultural Association.	1962
F.40	'Science & Agriculture'  9pp typescript with manuscript addition '1962 or 1963?'	? 1962-1963
F.41	'Mushroom Growers' Association 26th March 1963'  4pp typescript.	1963



**Lectures and publications, F.1-F.92**

- |      |  |      |
|------|--|------|
| F.42 | <p>'Organisation for Research from a National Standpoint',<br/>Royal Institute of Chemistry Annual Conference, April<br/>1963</p> <p>7pp typescript.</p>   | 1963 |
|      |  |      |
| F.43 | <p>Lectures July - December 1963</p> <p>'Agricultural Developments, talk given to F.O. Summer<br/>School, Cambridge, 17 July 1963'</p> <p>6pp typescript and manuscript draft.</p> <p>'Founder's Dinner, Rowett R.I. 2 November 1963'.</p> <p>Speaking notes.</p> <p>'Opening of Soil Productivity Laboratories, Marandellas, S.<br/>Rhodesia, 6th December 1963'.</p> <p>12pp typescript 'Notes for speech by Dr E.G. Cox'.</p>   | 1963 |
|      |  |      |
| F.44 | <p>Lectures 1964</p> <p>'Opening of the Sir George Stapledon Laboratories Welsh<br/>Plant Breeding Station 1 April 1964'.</p> <p>5pp typescript found with two 1984 press-cuttings <i>re</i><br/>Welsh plant research.</p> <p>'Speech at Annual Lunch of BFMIRA [British Food<br/>Manufacturing Industries Research Association] 27th May<br/>1964'.</p> <p>9pp typescript.</p> <p>'Draft of an Address given at Ashville College, Harrogate,<br/>on 30th May, 1964'.</p> <p>9pp typescript.</p> <p>'Response to Toast of the Guests University of<br/>Birmingham, 10 July, 1964'.</p> | 1964 |

**Lectures and publications, F.1-F.92**

- |      |   |      |
|------|---|------|
| F.45 | <p>'Extract from [BBC Radio Home Service] Ten o'clock [News]'</p> <p>2pp transcription of interview with Cox on agreement between the UK and the USSR on agricultural research. 6 January 1965.</p>   | 1965 |
|      |   |      |
| F.46 | <p>Lectures 1966</p> <p>'Professors of Agriculture Reading 4 April 1966'.</p> <p>12pp typescript.</p> <p>'Reply to toast of guests Fawley dinner 23-11-66'.</p> <p>Manuscript notes on ten index cards.</p> <p>'Assistant Principals, Scottish Office 21-12-66'.</p> <p>7pp manuscript notes.</p> | 1966 |
|      |   |      |
| F.47 | <p>Lectures February, March 1967</p> <p>'Toast of the School. At Doncaster Grammar School Old Boys Dinner 25 Feb 1967'</p> <p>Manuscript notes on seven index cards.</p> <p>'Birmingham Guild of Graduates Toast of the University 3-3-1967'.</p> <p>Manuscript notes on six index cards.</p>     | 1967 |
|      |   |      |
| F.48 | <p>BBC Radio 'Science and Industry' programme</p> <p>Script as broadcast of programme featuring Cox talking about 'feeding the multitudes'.</p> <p>The programme was recorded and broadcast in August 1967.</p>   | 1967 |



**Lectures and publications, F.1-F.92**

F.49	Lectures April, September 1969  3pp typescript by Cox on food and nutrition research, '23.4.69'.  'Royal Veterinary College 30 September 1969'.  8pp speaking notes.	1969
F.50	'Agricultural Research: Progress and Prospects', Annual Founders' Day Dinner, 10 October 1969  Manuscript and typescript drafts, newspaper cutting with covering letter, etc.	1969
F.51-F.55	'The Future of Agricultural Research', The Amos Lecture, 14 March 1970  Speaking notes, background material including correspondence.  5 folders.	1970
F.56, F.57	'The ARC and its work' talk by Cox to the Parliamentary and Scientific Committee, 27 October 1970  12pp typescript of Cox's talk, 6pp typescript of subsequent discussion, background papers <i>re</i> research policy etc.  2 folders.	1970
F.58	'Directors Conference'  Manuscript notes for talk by Cox at conference of directors of ARC institutes.	October 1970
F.58A	'Scottish Directors 29-9-71'  6pp manuscript and typescript notes.	1971

**Lectures and publications, F.1-F.92**

F.59	<p>'Council 18-10-71'</p> <p>13pp manuscript draft beginning 'Haldane has to come into this talk somewhere so I might as well begin with him'.</p>	1971
F.60	<p>3pp typescript for programme in BBC Radio 'On your Farm' series' (recorded 10-2-72)</p>	1972
F.61	<p>Talks 1972, 1975</p> <p>'Lyddon Hall [Leeds], 11 Dec 1972'</p> <p>Manuscript notes for Cox's reply on behalf of the guests.</p> <p>'Toast to A.S.E. at Annual Dinner Durham 2 Jan 1975'</p> <p>Manuscript notes.</p>	1972, 1975
F.61A	<p>'As broadcast' script of BBC Radio Third Programme talk on 'The Emigre Scientist' by A.D. Booth, transmitted 7 September 1963</p>	1963
F.62-F.92	<b>PUBLICATIONS</b>	<b>1928-1992</b>
F.62	<p>Bibliographies</p> <p>Includes 'bibliography as supplied to R.S. biographical memoir'.</p>	
F.63-F.82	<p>Off-prints</p>	1928-1986
F.63-F.77	<p>Off-prints of Cox's scientific papers</p> <p>Not a complete sequence</p>	1928-1986
F.63-F.69	<p>1928-1939</p> <p>7 folders.</p>	



Lectures and publications, F.1-F.92

F.70, F.71	1940-1949  2 folders.	
F.72-F.76	1950-1958  5 folders.	
F.77	1960-1986	
F.78-F.82	Off-prints of papers published by members of the Leeds Chemistry Department	1945-1960
F.78	<i>Acta Chemica</i> [sic] <i>Leodiensia</i>  Bound volume.	1945-1960
F.79	<i>Acta Chimica Leodiensia</i> Supplement  Bound volume.	1952-1961
F.80-F.82	Additional papers not in <i>Acta Chimica Leodiensia</i>	1950-1963
F.80	By M.R. Truter	1958, 1960
F.81, F.82	By other colleagues and pupils of Cox  2 folders.	1950-1963
F.83-F.86	Letters to the Press  Cox wrote to the Press on a wide range of issues including universities and agricultural research.	1953-1992
F.83	1953-1967	

Lectures and publications, F.1-F.92

F.84	1970, 1972	
F.85	1982-1988	
F.86	1992	
F.87, F.88	Book Reviews 2 folders.	c 1948-1961
F.89-F.92	Correspondence <i>re</i> publications	1954-1989
F.89, F.90	'Single Crystal Data'  Contents of folder also inscribed 'Output - Book called "Crystal Data" Ed by E.G. Cox, J.D.H. Donnay, O. Kennard': correspondence and papers	1954-1960
F.89	1954-1958	
F.90	1959-1960	
F.91	Correspondence and papers <i>re</i> crystal data paper  Contents of untitled folder.	1960
F.92	General correspondence and papers	1956-1958, 1989



**SECTION G**

**SOCIETIES AND ORGANISATIONS, G.1-G.149**

**1927-1997**

G.1-G.3	BORAX CONSOLIDATED LIMITED
G.4-G.14	BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
G.15	BRITISH FOOD MANUFACTURING INDUSTRIES RESEARCH ASSOCIATION
G.16-G.18	INTERNATIONAL UNION OF CRYSTALLOGRAPHY, COMMISSION ON CRYSTALLOGRAPHIC DATA
G.19-G.21	ROYAL AGRICULTURAL SOCIETY OF ENGLAND
G.22-G.120	ROYAL INSTITUTION
G.121-G.148	ROYAL SOCIETY
G.149	SCOTTISH AGRICULTURAL INDUSTRIES LIMITED

**Societies and organisations, G.1-G.149**

<b>G.1-G.3</b>	<b>BORAX CONSOLIDATED LIMITED</b>	<b>1956-1958</b>
	<p>Cox became a consultant in 1956, resigning in 1958.</p> <p>Correspondence and papers.</p> <p>3 folders.</p>	
<b>G.4-G.14</b>	<b>BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE</b>	<b>1972-1993</b>
	<p>Cox was associated with the British Association over many years, serving in a number of ways. He was one of three honorary general secretaries (later called Vice-President), 1971-1976 and Honorary Auditor, 1976-1983.</p>	
<b>G.4</b>	<p>'B.A. EGC Personal membership etc'</p> <p>Contents of folder so inscribed: 2 letters <i>re</i> Annual Meeting in Leicester, September 1972, and manuscript note by MRT <i>re</i> Honorary General Secretaryship to the effect that 'his great achievement was to get Magnus Pyke as Chairman' which 'greatly improved publicity'.</p>	<b>1972</b>
<b>G.5</b>	<p>'President : Chairman : Secretary'</p> <p>Contents of folder so inscribed: includes correspondence between Cox and Magnus Pyke <i>re</i> BA Chairmanship.</p>	<b>1972-1973</b>
<b>G.6</b>	<p>'BA Branches'</p> <p>Contents of folder so inscribed: correspondence and papers.</p> <p>Cox chaired the Branches and Area Committees' Committee.</p>	<b>1972-1974</b>
<b>G.7-G.9</b>	<p>'British Association'</p> <p>Correspondence and papers.</p> <p>3 folders.</p>	<b>1973-1974</b>



**Societies and organisations, G.1-G.149**

G.10-G.13	<p>'British Association EGC as Auditor'</p> <p>Correspondence and papers.</p> <p>4 folders.</p>	1975-1983
G.14	Miscellaneous correspondence	1991, 1993
G.15	<p><b>BRITISH FOOD MANUFACTURING INDUSTRIES RESEARCH ASSOCIATION</b></p> <p>Cox was President of the Association, 1971-1975.</p> <p>Correspondence and papers.</p>	1971-1972
G.16-G.18	<p><b>INTERNATIONAL UNION OF CRYSTALLOGRAPHY COMMISSION ON CRYSTALLOGRAPHIC DATA</b></p> <p>Cox was a member of the Commission.</p> <p>Duplicated papers.</p> <p>3 folders.</p>	1954-1964
G.19-G.21	<p><b>ROYAL AGRICULTURAL SOCIETY OF ENGLAND</b></p>	1970-1973, [1996]
G.19	<p>Correspondence and papers <i>re</i> the Society's Research Medal</p> <p>Cox advised on the award of the medal.</p>	1970-1972
G.20	Correspondence and papers <i>re</i> honorary scientific consultants	1972-1973

**Societies and organisations, G.1-G.149**

G.21                      1 letter only *re* membership                      [1996]

Cox was a Life Governor.

**G.22-G.120**

**ROYAL INSTITUTION**

**1927-1997**

Cox had a long association with the Royal Institution. He was an assistant in the Davy Faraday Laboratory, October 1927 - September 1929, and subsequently a member of the Royal Institution, 1965-1996, manager, 1968-1971 and honorary treasurer, 1971-1976. Additionally he served as a member of the library and education committee, 1982-1985, the joint Royal Institution/British Association committee, 1982-1985, the audit committee, 1984-1985 and as a trustee of the Royal Institution pension - life assurance scheme, 1985-1989.

G.22-G.26                      Early associations with the Royal Institution

G.27-G.57                      Administration and finance

G.58-G.96                      Bragg Lecture

G.97-G.120                      History of the Royal Institution

**G.22-G.26**

**Early associations with the Royal Institution**

**1929-1968, n.d.**

See also notebook at B.1 and G.104-G.110.

G.22

Letters from W.H. Bragg, ?October 1929 and 19 May 1932, and W.L. Bragg, 22 April 1937

? 1929-1937

G.23

'A Reproduction of Some Portions of Faraday's Diary presented by the Managers of the Royal Institution of Great Britain to Mr E. Gordon Cox as a token of their appreciation of his presence at the Faraday Celebrations September 1931'

1931

Bound volume.



**Societies and organisations, G.1-G.149**

G.24	<p>'Catalogue of an Exhibition of Models &amp; Diagrams showing the application of methods of X Ray &amp; Crystal Analysis to the Study of Various Problems in Pure and Applied Science ... May 9th &amp; 10th 1932 at the Royal Institution ... '</p> <p>Cox is listed as one of those who assisted with the exhibits.</p>	1932
G.25	<p>Correspondence <i>re</i> original drawing of W.H. Bragg</p> <p>The drawing which was 'used to illustrate a recent I.C.I. Prestige announcement' was then given to Cox (1949) who subsequently presented it to the Royal Institution (1968).</p>	1949, 1968
G.26	<p>Manuscript notes <i>re</i> research on benzene etc found with Royal Institution papers</p>	N.d.
<b>G.27-G.57</b>	<b>Administration and Finance</b>	<b>1968-1989</b>
G.27	<p>'Treasurer's Memoranda (Pre-EGC)'</p> <p>Contents of folder so inscribed: duplicated papers <i>re</i> Royal Institution finances.</p>	1968-1971
G.28-G.30	<p>'Income &amp; Expenditure Account: Allocation; Budgetary Control'</p> <p>Contents of folder so inscribed divided into three for ease of reference: financial papers.</p>	1969-1972
G.31, G.32	<p>'Descendants' Party 1971'</p> <p>Contents of folder so inscribed divided into two for ease of reference: correspondence and papers.</p> <p>The event organised for descendants of founders and early proprietors of the Royal Institution related to the Institution's recruitment drive.</p>	1969-1972

**Societies and organisations, G.1-G.149**

G.33, G.34	<p>'Finances and Policy / 1971 Discussion'</p> <p>Contents of folder so inscribed divided into two for ease of reference: financial papers.</p>	1970-1971
G.35	<p>'Royal Society : Government Grant'</p> <p>Contents of folder so inscribed: correspondence and papers <i>re</i> support for the Royal Institution from public funds.</p>	1972-1973
G.36	<p>'Standing Commission on Museums &amp; Galleries'</p> <p>Contents of folder so inscribed: correspondence and papers <i>re</i> possible support for the Royal Institution Faraday Museum.</p>	1972-1973
G.37	<p>'Life Composition Fees'</p> <p>Contents of folder so inscribed: financial papers.</p>	1972-1974
G.38-G.45	<p>'EGC Correspondence as Treasurer'</p> <p>Contents of folder so inscribed divided into eight for ease of reference.</p> <p>Includes accounts.</p>	1973-1976
G.46-G.51	<p>'Property'</p> <p>Contents of folder so inscribed divided into six for ease of reference: correspondence and papers <i>re</i> Royal Institution property.</p>	1969-1976
G.52-G.55	<p>'R.I. Administration'</p> <p>Contents of folder so inscribed divided into four for ease of reference: correspondence and papers <i>re</i> committees on which Cox served etc.</p>	1976-1989



**Societies and organisations, G.1-G.149**

G.56	<p>'Misc.'</p> <p>Contents of folder so inscribed: correspondence and papers <i>re</i> finances and membership.</p>	1972-1977
G.57	<p>Record of the Royal Institution 1974 including Annual Reports and Statement of Accounts</p> <p>Inscribed on front cover 'E.G. Cox annotated copy'.</p>	N.d.
G.58-G.96	<p><b>Bragg Lecture</b></p> <p>Cox suggested a Fund for a Bragg lectureship in November 1957.</p> <p>An appeal was launched in July 1960 under the chairmanship of Kathleen Lonsdale:</p> <p>'We propose the establishment of a Bragg Lecture Fund, to be used to promote interest in crystallography by means of lectures and in other ways. In order that the standard be maintained at the high level appropriate to our subject, and that a Bragg lecture shall be an event in the scientific world, we propose that ... at three-yearly intervals a distinguished crystallographer should be invited to deliver a lecture, to be given in one or other of the centres in which the Braggs' work has been done, viz., Cambridge, Leeds, London and Manchester ...'</p> <p>The Royal Institution agreed to administer the Fund and Cox was a member of the Bragg Lecture Fund Committee which organised the lectures. P.P. Ewald gave the first lecture at the University of Leeds and the Royal Institution in 1962. Adelaide where W.H. Bragg was Professor of Mathematics and Physics for 22 years was added to the centres where the lecture might be held and the second Bragg lecture was given there in 1965 by Kathleen Lonsdale.</p> <p>The activity of the Committee faltered in the 1970s but was revived around 1980. Cox gave the 1993 Bragg Lecture.</p>	1929-1993
G.58-G.73	<p><b>Bragg Lecture Fund</b></p>	1957-1992
G.58-G.67	<p>'Bragg Lecture Fund'</p> <p>Contents of folder so inscribed divided into ten for ease of</p>	1957-1974

**Societies and organisations, G.1-G.149**

reference: correspondence and papers.

Includes accounts.

G.68-G.72A      'Bragg Lecture Fund'      1979-1986, n.d.

Contents of folder so inscribed divided into six for ease of reference: correspondence and papers.

Includes minutes of meetings.

G.73      'Bragg Lecture Fund Committee'      1985-1992

Contents of folder so inscribed: correspondence and papers.

G.74-G.96      **Cox's 1993 Bragg Lecture**      1929-1993

Cox and M.F. Perutz gave a joint 1993 Bragg Lecture 'Father and Son' at the Royal Institution on 17 March and in Manchester on 31 March. Cox's lecture was entitled 'Bliss was it in that dawn to be alive'.

See also G.120.

G.74-G.84      'EGC's Bragg Lecture 1993'      1992-1993

Contents of folder so inscribed divided into eleven for ease of reference: correspondence and papers *re* arrangements, correspondence arising, manuscript notes, photographs and other illustrative material, etc.

G.85-G.96      'RI Workers to 1932 RI / Bragg EGC's enquiries'      1929-1993, n.d.

Contents of folder so inscribed divided into twelve for ease of reference: correspondence, manuscript notes, photographs, printed and duplicated background material.

This material was assembled in the preparation of Cox's Bragg Lecture.



**Societies and organisations, G.1-G.149**

G.97-G.120	<b>History of the Royal Institution</b>	<b>1927-1997</b>
G.97-G.101	<p>'R.I. Historical &amp; Scientific'</p> <p>Contents of folder so inscribed divided into five for ease of reference: correspondence, manuscript notes, background material <i>re</i> history of the Royal Institution and the history of science more generally.</p>	1959-1994
G.102, G.103	<p>'Julian'</p> <p>Contents of folder so inscribed divided into two for ease of reference: correspondence and papers <i>re</i> M.M. Julian's biographical and historical writing on Kathleen Lonsdale and W.H. Bragg and crystallography at the Royal Institution.</p>	1980-1986
G.104-G.110	<p>'R.I. Conversazione 1 June 1982'</p> <p>Contents of folder so inscribed divided into seven for ease of reference: correspondence, manuscript notes, photographs etc.</p> <p>At this meeting of the Library Discussion Group members of the Royal Institution displayed and described manuscripts, books etc belonging to them.</p> <p>At G.104 is a list of the exhibits offered by Cox for the Conversazione.</p>	1927-1982
G.111-G.120	<p>'R.I. Mostly, corres Caroe, Alban and Gwendy'</p> <p>Contents of box folder so inscribed divided into ten for ease of reference: correspondence, manuscript notes, background material, photographic slides.</p> <p>Gwendolen (Gwendy) M. Caroe corresponded with Cox about her biography of her father, W.H. Bragg (published in 1978 as <i>William Henry Bragg, 1862-1942: man and scientist</i>). After her death in 1982 Cox corresponded with her widower, Alban Caroe about her unfinished history of the Royal Institution (published in 1985 as <i>The Royal Institution: an informal history</i>).</p> <p>The photographic slides were those 'associated' with Cox's 1993 Bragg Lecture. See manuscript note at G.119 dated '16/3/1997'.</p>	1975-1997

**Societies and organisations, G.1-G.149**

<b>G.121-G.148</b>	<b>ROYAL SOCIETY</b>	<b>1960-1997</b>
	Cox was elected to the Fellowship of the Royal Society in 1954.	
G.121	General correspondence and papers	1960-1985
G.122	Elections	1960-1972
G.123-G.127	Soirée to mark the 300th anniversary of the publication of the <i>Philosophical Transactions of the Royal Society</i> , Hooke's 'Micrographia' and Evelyn's 'Sylva', 16 November 1965  Cox arranged an exhibit on 'Husbandry in the 1660s'.  Correspondence and papers.  5 folders.	1965
G.128-G.148	Royal Society Club  This was a dining club with which Cox had a long association attending for the last time 22 February 1996. He served as Senior Treasurer, 1967-1968, running the club for that period. See 'notes by M.R. Cox 16-2-97' at G.128.  Correspondence and papers.  Includes lists of members, menu cards, seating plans, etc.  21 folders.	1963-1997
<b>G.149</b>	<b>SCOTTISH AGRICULTURAL INDUSTRIES LIMITED</b>	<b>1956-1959</b>
	Correspondence and papers <i>re</i> consultancy.	



SECTION H	VISITS AND CONFERENCES, H.1-H.34	1944-1992
H.1-H.7	<p>'X.R.A.G. Conferences, Programmes, Abstracts and Reports'</p> <p>Contents of folder so labelled: published summarised proceedings, etc for conferences, 1944-1958.</p> <p>At H.7 are typescript lists of X.R.A.G Committee 1957-1958 and conferences with place and date, 1942-1958 and evening lectures, 1942-1958, with Cox's manuscript note on 'XRAG List of Conferences and Lectures', 18 June 1992.</p> <p>Cox heads the list of the Committee as Chairman from 1956. He was Vice-Chairman, 1953-1956 and a member of the Committee, 1946-1949.</p>	1944-1959, 1992
H.8, H.9	<p>'Belgium'</p> <p>Contents of folder so inscribed.</p> <p>See also C.33, C.69.</p>	1945-1950
H.8	<p>Correspondence arising from wartime visit to Belgium; publication in honour of war hero, Paul Brancart</p>	1945-1946, n.d.
H.9	<p>Correspondence and papers, including programme and lecture poster, <i>re</i> visit to Belgium in March 1950 under the auspices of the British Council</p> <p>Cox lectured at the Université de Bruxelles and the Faculté Polytechnique de Mons.</p>	1949-1950
H.10	<p>Prague, Czechoslovakia, 27 November - 4 December 1945</p> <p>Cox lectured at a conference on the use of X-rays in industry arranged by the Society of Czechoslovak Mathematicians and Physicists. He represented the Chemical Society.</p> <p>Includes conference programme and Cox's notes on the visit prepared for the Chemical Society.</p>	1945-1946

**Visits and conferences, H.1-H.34**

H.11-H.13	<p>'International X-ray Conference Leeds 1946'</p> <p>Contents of envelope so inscribed.</p> <p>Cox was one of the organisers of a 2 day meeting at Leeds on the use of X-rays in research, 18-19 July 1946. This meeting followed a conference in London the previous week and about 40 of the 60 overseas scientists who were at the London conference visited Leeds.</p>	1946-1948, 1989-1990
H.11	<p>Includes duplicated papers and press cuttings</p>	1946-1948
H.12	<p>Two photographs of those attending Leeds conference, with keys</p>	1946
H.13	<p>Correspondence with D.W.J. Cruickshank and others <i>re</i> construction of a key of the photograph of the 1946 Leeds meeting</p>	1989-1990
H.14	<p>North America, 28 July - 28 August 1948</p> <p>Cox attended the first International Congress of Crystallography at Harvard, 28 July - 3 August 1948. Subsequently he visited universities and research centres in the USA and Canada including the National Research Council Laboratories, Ottawa; University of Minnesota; Monsanto, St Louis, Missouri and Dayton, Ohio; Antioch College, Yellow Springs, Ohio; Ohio State University, Columbus and Geophysical Laboratory and Bureau of Standards, Washington D.C.</p> <p>Itinerary, Cox's notes <i>re</i> visits to universities and laboratories and brief correspondence <i>re</i> arrangements.</p>	1948
H.15	<p>USA, April 1950</p> <p>Cox was invited by Ray Pepinsky to attend a small conference at Pennsylvania State College on new computing methods in X-ray analysis sponsored by the College and the Office of Naval Research. He also visited the University of Pittsburg and Ohio State University, Columbus.</p> <p>Correspondence <i>re</i> arrangements, Cox's notes on visit to Pittsburg and Ohio State and notes prepared by Cox, 20 June 1950, to advise colleague proposing to visit the USA.</p>	1949-1950



**Visits and conferences, H.1-H.34**

H.16	<p>Second International Congress of Crystallography, Stockholm, Sweden, 27 June - 5 July 1951</p> <p>Correspondence <i>re</i> arrangements. Principally relates to financial support for Cox and other members of his department who were giving papers.</p>	1951
H.17-H.19	<p>'Holland'</p> <p>Contents of folder so inscribed: correspondence and papers <i>re</i> 1952 visit to the Netherlands and subsequent relations with Dutch colleagues.</p>	1952-1958
H.17	<p>Correspondence <i>re</i> arrangements, itinerary and 'diary' of 1952 visit.</p> <p>Cox was invited to visit the Technical University of Delft in connexion with a cultural agreement between Britain and the Netherlands. He also visited Groningen, Eindhoven, Utrecht and Amsterdam during the visit, 2-13 May 1952.</p>	
H.18	<p>Correspondence etc <i>re</i> contributions to Netherlands Flood Relief Fund</p> <p>Members of the Leeds Chemistry Department were invited by Cox to contribute to a fund to pay what the Chemistry Department, University of Amsterdam owed the Leeds Department for computing work. In return the University of Amsterdam would give the money owed to the Leeds Department to the Relief Fund.</p>	1953
H.19	<p>Correspondence etc with W.G. Burgers and O. Bottema <i>re</i> conferral of honorary degree on Bottema by Leeds University in 1958.</p> <p>Bottema was Rector Magnificus of the Technical University of Delft. Cox met Bottema on his 1952 visit to Delft.</p>	1958
H.20-H.29	<p>North America, 18 May - 5 August 1957</p> <p>Cox went to the USA and Canada to attend a number of conferences and visit research centres.</p> <p>The meetings were the annual symposium on molecular</p>	1956-1957

**Visits and conferences, H.1-H.34**

structure and spectroscopy at Ohio State University, 12-14 June, the conference on current problems of crystal physics at M.I.T., 1-6 July and the Fourth International Congress of Crystallography, Montreal, 10-19 July. He also visited Johns Hopkins University, California Institute of Technology and the National Research Council, Ottawa.

Correspondence *re* arrangements and arising, itinerary, 'people to visit', diary etc.

10 folders.

H.30	Bellagio conference on research  <i>Re</i> expenses only.	1962
H.31-H.33	'Israel May 1964'  Cox visited Israel to make a specialist examination of the administration of agricultural research in the country. The visit was facilitated by Lord Rothschild.	1963-1964
H.31	Correspondence <i>re</i> arrangements	
H.32	Correspondence arising including Cox's report on organisation of Israeli agricultural research	
H.33	Programme of visit, notes of meeting with representatives of Ministry of Agriculture and Agriculture Committee of National Council for Research and Development (NCRD), summary of agricultural activities of NCRD, etc	
H.34	'New Zealand and Australia 1964'  Contents of folder so inscribed: itinerary and programme of visits, November-December 1964.	1964



J.1-J.214

CORRESPONDENCE, J.1-J.214

[1916]-1996

The presentation of Cox's correspondence follows his own arrangement of it into a number of alphabetical and chronological sequences.

J.1-J.13	'PRE-WAR SCIENTIFIC CORRESPONDENCE'
J.14-J.170	UNTITLED ALPHABETICAL SEQUENCE
J.171-J.181	'EGC's PRIVATE CORRESPONDENCE ARC 1960-1971'
J.182-J.195	UNTITLED CHRONOLOGICAL SEQUENCE
J.196-J.214	REFERENCES AND RECOMMENDATIONS

**Correspondence, J.1-J.214**

J.1-J.13	'PRE-WAR SCIENTIFIC CORRESPONDENCE'	1932-1940
	Contents of folder so inscribed.	
	Alphabetical sequence. There are few extended exchanges.	
J.1	A.	1934-1939
	Angus, W.R., 1938-1939.	
	Angus writes from the Chemistry Department, University College of North Wales, Bangor. He sought assistance in respect of the different types of crystals obtained in the course of recrystallisation of mandelic acid.	
	Austin, W.C., 1934	
	Austin was Professor of Physiological Chemistry, Loyola University, Chicago, Illinois. He writes, 10 October 1934, that 'we have been very much interested in your studies of structure by X-ray, and are pleased that you have expressed a desire to examine our preparations'.	
J.2	B.	1937-1938
	Bannister, F.A., 1938	
	Bannister writes from the Department of Mineralogy, British Museum (Natural History).	
	Barger, G., 1937-1938	
	Barger was Regius Professor of Chemistry at Glasgow University.	
	<i>Re</i> crystallographic work on artabotrin.	
	Bell, R.P., 1938	
	Bell writes from the Physical Chemistry Laboratory Balliol College & Trinity College Oxford. Cox was interested in Bell's work on the depolymerisation of dihydroxyacetone, and requested crystals of the solid dimer form for X-ray examination.	



Correspondence, J.1-J.214

- /... D.J.B. 1938  
  
'DJB' writes from the Cambridge University School of Biochemistry.  
  
Postcard only.
- J.3 Ellis, J.W. 1938-1939  
  
Ellis was based at the University of California, Los Angeles, Physics Department.  
  
*Re* infra-red studies of pentaerythritol.
- J.4 G. 1932-1937  
  
Gibson, C.S., 1932  
  
Gibson was based at the Chemistry Department, Guy's Hospital Medical School, London.  
  
Gilman, H., 1936  
  
Gilman writes from the Chemistry Department, Iowa State College, Ames, Iowa.  
  
One letter only.  
  
Goodwin, T.H., 1937  
  
Goodwin worked at Manchester with W.L.Bragg.  
Sequence includes letter from Cox to Bragg.
- J.5 H. 1932-1938  
  
Harker, [?], 1938  
  
Carbon only of letter from Cox to Harker.  
  
Harrison, W., 1934  
  
One letter only.

/...

**Correspondence, J.1-J.214**

/...

Hendricks, S. B., 1934

Hendricks writes from the US Department of Agriculture  
Bureau of Chemistry and Soils, Washington.

One letter only.

Hettich, A.K., 1932

Hettich was based at Mineralogisch-Geologisches Institut  
der Technischen Hochschule, Munich, Germany.

One letter only.

Hibbert, H., 1932

Hibbert was Chairman, Pulp and Paper Research  
Institute, McGill University, Montreal.

One letter only.

J.6

Hughes, E.W

1937

Hughes was based at the Baker Chemical Laboratory,  
Cornell University, Ithaca, New York.

*Re* pentaerythritol.

J.7

J.-Mc.

1933-1939, n.d.

Jackson, L.C., 1935

Jackson writes from the Bristol University Physics  
Laboratory.

One letter only.

Johnson, C.H., n.d.

Johnson writes from the Bristol University Chemistry  
Department.

One letter only.

/...



Correspondence, J.1-J.214

/...

Link, K.P., 1939

Link was based at the Department of Agricultural Chemistry, University of Wisconsin.

Carbon copy only of letter from Cox *re* proposed work on glucose.

McCrea, G.W., 1933

McCrea writes from Duke University, Durham, North Carolina where he was an exchange lecturer.

One letter only.

J.8

Mann, F.G.

1932-1939

Mann was based at the University Chemical Laboratory, Cambridge.

*Re* crystallographic investigations.

J.9

M

1932-1936

Mills, W.H., 1935-1936

Mills was based at the University Chemical Laboratories, Cambridge.

*Re* co-ordination compounds of copper.

Minsaas, J., 1932, 1934

Minsaas writes from Norges Tekniske Høiskole, Institut for Organik Kemi, Trondheim.

*Re* sugars, career advice.

Morgan, G.T., 1933-1934

Morgan was Director of Chemical Research, DSIR Chemical Research Laboratory, Teddington, Middlesex.

*Re* crystallographic investigations.

Correspondence, J.1-J.214

- |      |  |           |
|------|--|-----------|
| J.10 | O.-R.  | 1934-1939 |
|      | Owen, L.N., 1939   |           |
|      | Owen was based at the Chemistry Department, University College of North Wales, Bangor. |           |
|      | <i>Re</i> barbaloin derivatives.   |           |
|      | Phelps, F.P., 1934   |           |
|      | Phelps writes from the Department of Commerce Bureau of Standards, Washington.         |           |
|      | Request for loan of crystals and exchange of reprints.                                 |           |
|      | Roberts, K.C., 1935-1936   |           |
|      | Roberts writes from the Rubber Research Institute of Malaya, Kuala Lumpur.             |           |
|      | <i>Re</i> investigation of crystalline substances that turn up in rubber.              |           |
| J.11 | S.   | 1936-1940 |
|      | Shanker, J., 1939  |           |
|      | Shanker writes from the Royal Institute of Science, Bombay, India.                     |           |
|      | <i>Re</i> the structure of hydrazobenzene.   |           |
|      | Sidgwick, N.V., 1940   |           |
|      | Sidgwick writes from Lincoln College, Oxford.  |           |
|      | <i>Re</i> stannochlorides.   |           |
|      | Simonsen, J.L., 1936   |           |
|      | Simonsen was Professor of Chemistry, University College of North Wales, Bangor.        |           |
|      | <i>Re</i> identification of specimens by X-ray methods.                                |           |

/...



Correspondence, J.1-J.214

/...

Sugden, S., 1936

One letter only.

Synge, R.L.M., 1938-1939

Synge writes from the Cambridge University Biochemistry School.

*Re* samples for crystallographic investigation.

J.12

T.-W.

1933-1939

Todd, C.W., 1939

Todd was based at the chemical manufacturers, Albright & Wilson Ltd.

*Re* training in microscopic crystallography.

Topley, B., 1938

Topley was based at the chemical manufacturers, Albright & Wilson Ltd.

*Re* phosphate samples.

Votocek, E., 1933

Votocek writes from Prague.

One letter only. In French.

Wightman, W.A., 1939

Wightman was based at the Leeds University Chemistry Department.

*Re* crystallographic investigation of diketones.

Wood, R.G., 1938

Wood was based at the University College of South Wales and Monmouthshire, Cardiff.

*Re* thianthren, selenanthren, etc.

**Correspondence, J.1-J.214**

J.13	Wrinch, D.M.	1938-1939
	Correspondence and papers <i>re</i> structure of the insulin molecule.	
	Includes letter from Bernal to Cox, 22 November 1938 with his remarks on 'X-ray evidence for the Structure of the Protein Molecule' and letter from Bernal to Cox, 16 December 1938 enclosing copy of letter for Nature 'Vector Maps and the Cyclol Hypothesis'.	
J.14-J.170	UNTITLED ALPHABETICAL SEQUENCE	[1916]-1996
J.14-J.15	Alexander, W.G.	1971-1972
	Alexander served the Agricultural Research Council, 1947-1971, from 1952 as Deputy Secretary.	
J.14	Obituaries	1971
J.15	<i>Re</i> Alexander Trophy awarded to the winner of the ARC Golf Championship	1971-1972
	Includes photographs of the trophy.	
J.16	Astbury, W.T.	1961, 1975
	Obituaries, 1961 and one letter <i>re</i> portrait, 1975.	
J.17-J.28	Balashov, V.S.	1950-1985
	Balashov was born in 1918 in the Soviet Union. He was granted political asylum by the British authorities in Berlin in 1949. In 1950 he came to Britain where he carried out X-ray analysis work with Cox at Leeds. After a period in Northern Rhodesia, where he was Chief Physicist in the Mines Department, he moved to the University of Bradford where he lectured in Soviet Economics and Russian.	
J.17	1950	



Correspondence, J.1-J.214

J.18	1951 January - June	
J.19	1951 July - December	
J.20	1952	
J.21	1953	
J.22	1954 January - June	
J.23	1954 July - December	
J.24	1955	
J.25	1956-1959	
J.26	1961-1962	
	Includes papers <i>re</i> Balashov's work in Northern Rhodesia.	
J.27	1964-1965	
J.28	1985, n.d.	
	Includes article from <i>Bradford Telegraph &amp; Argus</i> headed 'Soviet hero who fled from ruthless Stalin', 13 June 1985.	
J.29	Barclay, G.A.	1965
	Barclay spent three years at Leeds, working in Cox's department, 1953-1956	
	Recommendation.	

**Correspondence, J.1-J.214**

J.30	Barnard, A.K.  Recommendation.	1958
J.31	Baskett, R.G.  Includes obituary and related material.	1972
J.32	Baxendale, J.H.  Recommendation.	1960
J.33	Beard, D.S.  Beard worked for his Ph.D. under Cox's direction at Leeds and subsequently worked for the National Research Development Corporation.  Includes recommendation.	1963, 1975
J.34	Beevers, C.A.  Recommendation.	1960
J.35	Berry, W.E.  'Career statement' only.	N.d. [1971]
J.36	Blaxter, K.L.  Includes statement by Cox for public orator, Queen's University, Belfast, June 1974.	1974, 1991
J.37	Boaz, T.G.  Includes recommendations.	1966, 1973



**Correspondence, J.1-J.214**

- |      |   |           |
|------|---|-----------|
| J.38 | Booth, A.D.   | 1952      |
|      | Booth was a postgraduate student of Cox's at Birmingham.  |           |
|      | Recommendation.   |           |
| J.39 | Bottema, O.   | 1952-1958 |
|      | Bottema was Rector of the Technological University of Delft, The Netherlands. Cox presented him for an honorary degree at Leeds, 16 May 1958. |           |
|      | Includes presentation addresses at degree congregation.   |           |
| J.40 | Boyle, A.R.   | 1965      |
|      | Boyle researched in Cox's department at Birmingham, 1940-1945.  |           |
|      | Includes curriculum vitae.  |           |
| J.41 | Brett-Crowther, M.  | 1982-1984 |
|      | Brett-Crowther was Assistant Editor of <i>Science and Public Policy</i> , the Journal of the Science Policy Foundation.                       |           |
|      | Correspondence <i>re</i> article by Cox on agricultural research policy and copy of article, published August 1983.                           |           |
| J.42 | Bunn, C.W.  | 1972      |
|      | <i>Re</i> Dewar Fellowship of the Royal Institution and proposed research on chlorophyll.   |           |
| J.43 | Callow, R.K.  | 1983      |
|      | <i>Re</i> Royal Society memoir of Callow (died 1983) who worked with Cox for a period during the Second World War.                            |           |

**Correspondence, J.1-J.214**

J.44-J.46	Challenger, F.	1953-1987
	Challenger was Professor of Organic Chemistry at Leeds, 1930-1953.	
J.44	1953-1954	
	Includes appreciations of Challenger on his retirement in 1953.	
J.45	1972-1985	
	Challenger's last letter to Cox is dated 3 February 1983 (died 12 February).	
	Includes Christmas letters from Challenger's daughter, 1978-1985.	
J.46	1978-1987	
	Includes tributes and obituary for <i>The Times</i> written by Cox.	
J.47	Chatt, J.	1969-1995
	Chatt was Director of the ARC Unit of Nitrogen Fixation at Sussex University, 1964-1980.	
	Includes note on the origins of the Unit of Nitrogen Fixation by his successor, J.R. Postgate.	
J.48-J.53	Cheesman, E.E.	[1916]-1983
	Cheesman was a botanist at the Imperial College of Tropical Agriculture, Trinidad from 1923 (Professor from 1926). He served as a scientific adviser to the Secretary of the ARC, 1949-1965.	
	On Cheesman's death in 1983 Cox wrote his obituary for <i>The Times</i> . Cox seems to have received correspondence and other papers of Cheesman's from his sister after his death and those preserved by him with his own papers are presented at J.49-J.53.	



# Correspondence, J.1-J.214

J.48	Principally correspondence and papers arising from Cheesman's death including Cox's <i>Times</i> obituary.	1980, 1983
J.49-J.53	Cheesman's correspondence and papers	1916-1981
J.49	[1916] - 1946  Includes list of published work submitted by Cheesman for D.Sc. degree, 1946.	
J.50	1947-1965	
J.51	1967 -1981	
J.52	Printed material <i>re</i> Imperial College of Tropical Agriculture (ICTA)	1951, 1974
J.53	Notebook used for 'Synopsis of Annual Reports of the Department of Botany I.C.T.A. 1926-1946'	
J.54	Claringbull, G.F.  Claringbull came to study crystallography with Cox at Birmingham in 1939, working there for a period during the war on problems arising in the manufacture of explosives. He was subsequently Director of the British Museum (Natural History), 1968-1976.  Includes recommendation, 1945 and obituaries. A supplementary notice by Cox was published by the <i>Independent</i> , 9 January 1991.	1945, 1990-1991
J.55, J.56	Corbridge, D.E.C.  Corbridge was a research student of Cox's at Leeds. He was subsequently appointed to a lectureship in the Department of Ceramics there.	1948-1979
J.55	1948	/...

Correspondence, J.1-J.214

- /... Includes progress report by Corbridge on his research, 1947-1948.
- J.56 1966-1979  
Includes recommendations.
- J.57-J.59 Cruickshank, D.W.J. 1956-1995  
Cruickshank was closely associated with Cox for many years at Leeds. Cox considered him the best of his many able pupils and younger colleagues. He was subsequently Professor of Theoretical Chemistry at Glasgow and the University of Manchester Institute of Science and Technology.
- J.57 1956-1961  
Includes recommendations.
- J.58 1966-1972  
Includes recommendations.
- J.59 1979-1995  
Includes 'John Rollett and Chemical Crystallography' prepared by Cruickshank for memorial occasion at St Cross College, Oxford, 4 March 1995.
- J.60 Dainton, B.H. 1989
- J.61-J.63 Davies, M. 1983-1990
- J.61 1983-1986  
Includes articles and letters from Davies published in *Chemistry in Britain* and correspondence between Cox and J. Chatt re Faraday Discussion meeting on polymerisation in Cambridge in September 1935.



Correspondence, J.1-J.214

J.62, J.63	1990	
	Correspondence and papers re paper by Davies on Astbury, Franklin and DNA, <i>Annals of Science</i> , vol 47 (1990).	
	2 folders.	
J.64-J.66	Davis, W.W.	1983-1988
	Principally re posthumous tributes to Davis who died in 1987. Cox wrote an appreciation for the <i>Royal Institution Record</i> . Davis was Treasurer of the Royal Institution in the 1960s. At J.65 are recollections by H.E. Hopthrow.	
	3 folders.	
J.67-J.71	Freeth, F.A.	1947-1976
	Cox was associated with Freeth in the SOE during the Second World War. He offered to provide information about this part of Freeth's career to help with the preparation of the Royal Society memoir of Freeth written by Sir Peter Allen.	
J.67	1947-1956	
J.68	1960-1970	
	Includes obituary from <i>The Times</i> (died 15 July 1970).	
J.69-J.71	1975-1976	
	Correspondence and papers re Royal Society memoir.	
	3 folders.	
J.72	Green, J.D.F	1968, 1970
	Green was Chairman of the Agricultural Advisory Council, 1963-1968.	

**Correspondence, J.1-J.214**

- |            |   |            |
|------------|---|------------|
| J.73       | Griffiths, C.M.<br><br>Recommendations.   | 1960, 1962 |
| J.74       | Gordon, R.L.<br><br>Includes application.   | 1970       |
| J.75, J.76 | Gunn, D.L.<br><br>Gunn was one of Cox's scientific advisers in the headquarters of the Agricultural Research Council in the 1960s.  | 1972-1983  |
| J.75       | 1972-1983<br><br>Includes <i>The Times</i> obituary of Gunn who died 20 July 1983.  |            |
| J.76       | Biographical material <i>re</i> Gunn<br><br>Includes 'Some Recollections of Donald Gunn' by Cox, 17 October 1983.   |            |
| J.77       | Haas, P.<br><br>Cox knew Haas during the Second World War in connexion with the work of the Inter-Services Research Bureau (SOE).<br><br>Includes 'A note written for F. Challenger, for Haas' obituary, based on recollections of D.M. Newitt and E.G.C.', 1960. | 1960, 1983 |
| J.78       | Hailsham, Lord<br><br>Includes Christmas cards from Hailsham, 1960, 1962. The 1960 card incorporates 'Song for a Minister of Science'.  | 1960-1990  |



Correspondence, J.1-J.214

J.79, J.80	Hartshorne, J.N.	1959-1984
	Hartshorne was a colleague of Cox's at Leeds where he became Reader in Chemical Microscopy.	
J.79	1959-1984	
	Includes obituaries of Hartshorne who died 15 September 1982.	
J.80	Biographical material <i>re</i> Hartshorne	
J.81-J.83	Hayward, R.J.R	1956-1959
	Hayward was appointed Brotherton Lecturer in Inorganic and Structural Chemistry at Leeds from 1 September 1956 for a period of three years.	
	<i>Re</i> research and career.	
	3 folders	
J.84	Hendricks, S.B.	1957-1959
	Hendricks was Chief Chemist, Pioneering Research Laboratory for Mineral Nutrition of Plants, US Department of Agriculture Agricultural Research Service, Beltsville, Maryland.	
	<i>Re</i> invitation for Hendricks to come to England.	
J.85-J.88	Hughes, E.W.	1952-1995, n.d.
	Hughes was based at the California Institute of Technology, Pasadena.	
	The first letter in the sequence was written by Hughes after returning from a stay in Cox's laboratory at Leeds, 6 October 1952.	
	The sequence includes greetings cards and letters written by Hughes' wife Ruth. An obituary of Hughes (died 25 December 1987) is at J.88.	

**Correspondence, J.1-J.214**

- J.85                      1952 (one letter only), 1973-1975
- J.86                      1976-1979
- Letter of 15 March 1977 includes Hughes's recollections of W.L. Bragg.
- J.87                      1980-1985
- J.88                      1987-1995, n.d.
- Letter of 25 March 1987 includes Hughes's recollections of W.L. Bragg.
- J.89                      Ingram, M.    1971-1978
- Ingram was Director of the ARC's Meat Research Institute, Langford, near Bristol.
- Includes obituaries of Ingram who died 15 November 1977.
- J.90                      Irving, R.J.    1949-1978
- Irving was temporary assistant lecturer in inorganic chemistry at Leeds from October 1948
- J.91                      James, A.T.    1971
- James was based at Unilever Research Colworth Laboratory, Bedford.
- Re career.*
- J.92-J.94                      Jeffrey, G.A.    1953-1981
- Cox knew Jeffrey, first as a pupil at Birmingham before the Second World War, and later as a colleague at Leeds. He subsequently made his career at the University of Pittsburg.



Correspondence, J.1-J.214

Includes recommendations.

J.92 1953-1955

J.93 1962-1964

J.94 1969-1981

J.95 Jennings, C. 1957

*Re* survey of barytes deposit by Cox's son Keith.

A geologist, Keith Cox was carrying out postgraduate work at the Research Institute of African Studies at Leeds where he was the first Oppenheimer Scholar.

J.96 Johnson, A.W. 1967-1984

Johnson was Professor of Chemistry and Honorary Director of the ARC Unit of Invertebrate Chemistry and Physiology, University of Sussex.

Includes obituaries of Johnson (died 5 December 1982) and papers *re* Royal Society biographical memoir of Johnson by E.T.H. Jones, including 'Copies of entries in my diaries about Alan W. Johnson'.

J.97 Jones, D. Rudd- 1973-1995

Rudd-Jones was Scientific Adviser to the Secretary ARC, 1959-1971 and Director, Glasshouse Crops Research Institute, Littlehampton, West Sussex, 1971-1984.

J.98 Jones, D.W. 1960-1988

Jones was a research student at Leeds, 1948-1952.

Includes recommendations.

**Correspondence, J.1-J.214**

- |       |   |                 |
|-------|---|-----------------|
| J.99  | Kakabadse, G.   | 1952, 1988-1996 |
|       | Kakabadse was based at the University of Manchester Institute of Science and Technology.                              |                 |
| J.100 | Kennard, O.   | 1970            |
|       | Progress report by Kennard on her research during the past four years submitted to the MRC Biological Research Board. |                 |
| J.101 | Kennedy, W.Q.   | 1962-1969       |
|       | Kennedy was Professor of Geology at Leeds, 1945-1967.   |                 |
|       | Includes recommendation.  |                 |
| J.102 | Kerle, R.E.   | N.d.            |
|       | Curriculum vitae only.  |                 |
| J.103 | King, K.W.  | 1977-1978       |
|       | King was with the ISRB (SOE) for a period from 1942.  |                 |
| J.104 | Ling, A.W.  | 1970            |
| J.105 | Lipson, H.  | 1954, 1991      |
|       | Recommendation (1954) and obituaries (died April 26 1991).  |                 |
| J.106 | Lynton, H.  | 1962, 1975      |
|       | Lynton was a graduate student of Cox at Leeds.  |                 |
|       | Includes recommendation.  |                 |



**Correspondence, J.1-J.214**

- |              |   |           |
|--------------|---|-----------|
| J.107        | Manley, C.H.  | 1977-1986 |
|              | Manley spent 29 years as the Leeds city analyst.  |           |
|              | <i>Re</i> Royal Institute of Chemistry President's badge of office etc.   |           |
| J.108        | Markham, R.   | 1979      |
|              | One letter from S. Elsdon <i>re</i> his Markham obituary with obituaries (Markham died 16 November 1979).   |           |
| J.109, J.110 | Northumberland, Duke of   | 1966-1989 |
|              | Northumberland was Chairman of the ARC, 1958-1968.  |           |
| J.109        | 1966-1975   |           |
| J.110        | 1988-1989   |           |
|              | Includes obituary of Northumberland (who died 11 October 1988), order of service for thanksgiving service, Westminster Abbey, 18 November 1988 and 'The Duke of Northumberland and the A.R.C Some notes by E.G. Cox', 10 November 1988. |           |
| J.111        | Nursten, H.E.   | 1967      |
|              | Cox knew Nursten from his time as an undergraduate at Leeds. In 1976 he was appointed Professor of Food Science at Reading.   |           |
|              | Includes recommendations.   |           |
| J.112        | Nyburg, S.C.  | 1961-1962 |
|              | Nyburg was a postgraduate student of Cox.   |           |
|              | Includes recommendations.   |           |

**Correspondence, J.1-J.214**

J.113	Parry, G.S.	1945-1946
	<p>3 reports by Parry for Ministry of Supply Armament Research Department, Fort Halstead, Kent, February 1945 (1 report) and April 1945 (2 reports).</p> <p>The February 1945 report was prepared with A.G. Ward.</p>	
J.114-J.119	Peace, A.G.	1949-1963
	<p>Peace undertook postgraduate research with Cox at Leeds (PhD 1952). He subsequently made his career in technical colleges. A manuscript addition to the curriculum vitae at J.119 states that he 'died about April 15th 1986'.</p>	
J.114-J.118	<p>Manuscript and typescript notes and reports <i>re</i> research work, 1949-1951, n.d.</p> <p>5 folders.</p>	
J.119	Correspondence	1951-1963
	<p>Includes programme for postgraduate course on nuclear science at North Staffordshire Technical College, given by Peace, 1958, recommendation and curriculum vitae.</p>	
J.120, J.121	Porter, H.K.	1979-1988
	<p>Porter was Director of Agricultural Research Council Unit of Plant Physiology, Imperial College London, 1959-1964; Second Secretary, Agricultural Research Council, 1969-1971, and Scientific Adviser to the ARC, 1971-1972.</p> <p>Correspondence and papers. Principally biographical information about Porter who died 7 December 1987.</p> <p>2 folders.</p>	
J.122	Pringle, G. E.	1968, 1977
	<p>Pringle was Lecturer in Inorganic and Structural Chemistry in Cox's department at Leeds.</p> <p>Includes recommendation.</p>	



Correspondence, J.1-J.214

- |       |  |            |
|-------|--|------------|
| J.123 | Read, J.   | 1951-1964  |
|       | Read was Professor of Chemistry at St Andrews and an expert on Somerset dialect.   |            |
|       | Correspondence and papers relating to Read's non-chemical interests.   |            |
| J.124 | Reith, W.S.  | 1950, 1965 |
|       | Reith spent a period during the Second World War as a member of the scientific staff of the Inter-Services Research Bureau. He was subsequently I.C.I Research Fellow in the Organic Chemistry Department at Leeds, 1946-1951 and Research Chemist and Honorary Lecturer in the Botany Department at Leeds, 1951-1953. |            |
|       | Includes curriculum vitae and list of publications.  |            |
| J.125 | Robertson, A.  | 1970       |
|       | Obituaries and biographical information about Robertson including his membership of the Agricultural Research Council and its committees. Robertson died 9 February 1970.  |            |
| J.126 | Robertson, J.H.  | 1964       |
|       | Robertson came to Leeds in 1954 where he became a lecturer in Cox's department.  |            |
|       | Includes recommendation.   |            |
| J.127 | Robertson, J.M.  | 1993-1996  |
|       | <i>Re</i> Cox's article on Robertson for the <i>New Dictionary of National Biography</i> .   |            |
|       | Includes drafts.   |            |
| J.128 | Rollett, J.S.  | 1966       |
|       | Includes recommendation.   |            |

Correspondence, J.1-J.214

J.129-J.135      Rothschild, N.M.V., 3rd Baron      1960-1993, n.d.

Cox first met Rothschild during the Second World War when he and Cox had roughly comparable positions in MI5 and SOE. Rothschild subsequently served as Chairman of the Agricultural Research Council, 1948-1958, and Cox's first experience of working for the ARC in the middle fifties (serving on a visiting group to a research institute) was at Rothschild's invitation. Cox was appointed a member of the Council in 1957 thus overlapping for a year with Rothschild's chairmanship.

After 1960 when Cox became Secretary of the ARC he received much good advice from Rothschild and was able to reciprocate, especially after Rothschild went to Shell in 1961. After the 1970 General Election Rothschild moved to the Cabinet Office where he headed the Central Policy Review Staff from where he enquired into government research and development. Cox disagreed profoundly with Rothschild's proposals and after his retirement from the ARC in 1971 felt able to criticise them publicly. Nevertheless, when Cox believed Rothschild to have been criticised unfairly in 1973 he wrote to *The Times* to say so (letter published 28 September).

Cox provided information to assist with the preparation of the Royal Society biographical memoir of Rothschild (died 20 March 1990).

J.129      1960

J.130      1961-1963

J.131      1968-1970

J.132      1971

J.133      1972

Includes typescript draft of Cox's lecture on the Research Councils and manuscript drafts by Cox 'Some Comments on Rothschild' and 'The Principal Argument against the Rothschild Report', February 1972.



Correspondence, J.1-J.214

- J.134                      1973
- Includes Cox's letter published in *The Times*, 28 September.
- J.135                      1991-1993, n.d.
- Includes manuscript and typescript drafts 'Victor Rothschild: Some notes by E.G. Cox', August and December 1992.
- J.136                      Russell, R.S.                      1983
- 1 letter and curriculum vitae only.
- J.137                      Shorter, A.J.                      1938, 1968
- Includes recommendation.
- J.138-J.141              Slater, W.K.                      1970-1984
- Slater was Cox's predecessor as Secretary of the Agricultural Research Council. Cox wrote *The Times* obituary of Slater (died 19 April 1970) and the article on him for the *Dictionary of National Biography*.
- J.138                      1970
- Includes note prepared in ARC office at the time of Slater's death, 'Notes received on Monday, 20th April 1970, from Prof H.D. Kay' and Cox's *Times* obituary.
- J.139                      1977-1978
- Includes draft of article sent by Cox to *Dictionary of National Biography*, August 1978.
- J.140                      1978-1984

**Correspondence, J.1-J.214**

- |              |  |            |
|--------------|--|------------|
| J.141        | Background material and drafts.  |            |
| J.142        | <p>Smith, J.A.B</p> <p>Smith was Director of the Hannah Dairy Research Institute, 1950-1970. Cox spoke on behalf of the ARC at a dinner in honour of Smith, 7 January 1971.</p> <p>Includes 'Proposed policy with regard to the future of the Hannah Dairy Research Institute', n.d.</p> | 1971, n.d. |
| J.143        | <p>Smith, J.A.S.</p> <p>Smith came to Cox's department at Leeds as a research student in 1951 and was appointed to the permanent staff in 1953.</p> <p>Includes recommendation and curriculum vitae.</p>   | 1958, 1964 |
| J.144        | <p>Stamp, J.T.</p> <p>Stamp was based at the Moredun Institute, Edinburgh.</p>   | 1963, 1970 |
| J.145, J.146 | <p>Steward, E.G.</p> <p>Includes recommendations.</p> <p>2 folders.</p>  | 1960-1979  |
| J.147        | <p>Stewart-Duncan, A.</p>  | 1980, 1982 |
| J.148        | <p>Swallow, A.G.</p> <p>Swallow came to Leeds in 1957 to do postgraduate work in Cox's department.</p> <p>Includes recommendation.</p>   | 1961, 1965 |



**Correspondence, J.1-J.214**

J.149	Taylor, C.A.	1958-1964
	Includes recommendations and curriculum vitae.	
J.150-J.152	Taylor, H.H.	1957-1958
	Career advice and recommendations.	
	3 folders.	
J.153-J.157	Truter, E.V.	1958-1977, n.d.
	Truter came to Leeds in 1947 as a Research Fellow in the Textile Chemistry Laboratory (subsequently Lecturer and Reader). He died in 1986.	
J.153	1958-1963	
J.154	1964	
	Includes recommendation.	
J.155	1974	
	Includes recommendation.	
J.156	1976-1977	
J.157	N.d.	
	Curricula vitae, lists of publications etc.	
J.158, J.159	Ubbelohde, A.R.J.P.	1968, 1988
	Ubbelohde was Professor of Thermodynamics and head of the chemical engineering department at Imperial College London. He was a member of the Agricultural Research Council, 1966-1975.	

**Correspondence, J.1-J.214**

Principally *re* provision of information for the Royal Society biographical memoir by F.J. Weinberg.

J.158	1968. 1988	
	Correspondence. One letter only from Ubbelohde (1968) in connexion with ARC.	
J.159	Obituaries, manuscript notes etc	
J.160	Ulbricht, T.L.V.	1970
	Application.	
J.161	Van Hoorn, M.E.J.	1978
	<i>Re</i> International Foundation for Proctology.	
J.162-J.164	Vidwans, D.H.	1961-1983
	Vidwans studied in Cox's department at Leeds from October 1956 to May 1957.	
J.162	1961-1967	
	Includes recommendations.	
J.163	1970-1983	
	Includes recommendations.	
J.164	Printed material <i>re</i> Vidwan's religious interests	1973-1979
J.165	Walton, A.W.	n.d., 1974
	Walton was successively undergraduate chemistry student, research assistant, assistant superintendant of laboratories and deputy superintendant of laboratories at Leeds.	/...



**Correspondence, J.1-J.214**

/...	Curriculum vitae and printed notice <i>re</i> retirement testimonial fund.	
J.166, J.167	Wardlaw, W.  Cox wrote an obituary notice of Wardlaw for the Chemical Society (died 1958).  Includes Cox's obituary and biographical information.  2 folders	1958-1961
J.168	Wheatley, P.J.  Wheatley joined Cox's staff in Leeds in 1950 and left to join Monsanto Laboratories in Zurich in 1957.  Includes recommendations.	1952-1965
J.169	Wilson, A.J.C.  Includes assessment.	1954, 1982
J.170	Woodford, E.K.  Curriculum vitae and publications list only.	N.d.
J.171-J.181	<b>'EGC's PRIVATE CORRESPONDENCE ARC 1960-1971'</b>  Contents of folder so inscribed.  Chronological sequence.  Includes recommendations and assessment of candidates for posts, requests for career advice etc	1959-1975, n.d.
J.171	1959-1960  Includes note by Cox on the 'Department of Physiology, Babraham', 29 March 1960.	

**Correspondence, J.1-J.214**

J.172 1961

J.173 1962

J.174 1963

J.175 1964

J.176 1965

J.177 1966

J.178 1967

J.179 1968

J.180 1969

J.181 1971, 1975, n.d.

**J.182-J.195      UNTITLED CHRONOLOGICAL SEQUENCE      1937-1996, n.d.**

J.182 1937, 1946

J.183 1939, 1950-1953

Includes 1939 grant application *re* x-ray structure analysis  
of carbohydrates with later 1953 correspondence,  
correspondence with Kathleen Lonsdale and C.A. Coulson

/...



**Correspondence, J.1-J.214**

/...	<i>re</i> maleic and fumaric acid, 1950, and Wessex dialect play by John Read (see J.123).
J.184	1954-1958
J.185	1959-1960
J.186	1961-1967
J.187	1971-1982 Includes photograph.
J.188	1977
J.189	1978-1982
J.190	1984-1987
J.191	1988
J.192	1989
J.193	1990-1993 Includes photograph.
J.194	1995-1996
J.195	N.d.

**Correspondence, J.1-J.214**

<b>J.196-J.214</b>	<b>REFERENCES AND RECOMMENDATIONS</b>	<b>1941-1986</b>
	Chronological sequence.	
	Includes references for individuals and more general advice on appointments for institutions.	
J.196	1941-1953	
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J.199	1960-1961	
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J.201	1961 (2)	
J.202	1961 (3)	
J.203	1962	
J.204	1963	
J.205	1964	
J.206	1965-1966	
J.207	1967-1969	



**Correspondence, J.1-J.214**

J.208	1970
J.209	1971
J.210	1972
J.211	1973
J.212	1974-1975
J.213	1980
J.214	1981, 1986

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