Catalogue of the papers and correspondence of

# Patricia Hannah Clarke FRS

(b. 1919)

by Timothy E. Powell and Peter Harper NCUACS catalogue no. 120/6/03

Title:

Catalogue of the papers and correspondence of Patricia

Hannah Clarke FRS (b. 1919), biochemist

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Timothy E. Powell and Peter Harper

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#### **GENERAL INTRODUCTION**

#### **PROVENANCE**

The papers were received from Professor Clarke in 2002.

#### OUTLINE OF THE CAREER OF PATRICIA HANNAH CLARKE

Patricia Hannah Green was born in Pontypridd, South Wales on 29 July 1919. She attended Coedpenmaen Elementary School and in 1930 was awarded a scholarship to the County Grammar School. She did not take this up since in the same year she had been awarded a Foundation Scholarship to Howell's School Llandaff. She went up to Cambridge in 1937 to read Natural Sciences, having obtained a place at Girton College. Later she was awarded a scholarship in Chemistry. She studied Biochemistry for Part II of the Natural Sciences Tripos but in the summer of 1940 she relinquished a research scholarship in order to take up war work. Her first post was in a branch of the Armament Research Department of the Ministry of Supply that had been evacuated to the University of Wales in Swansea. Later she was transferred to Woolwich Arsenal to continue her work on new explosives. In 1944 she was able to leave Woolwich and to take a post as Research Assistant to B.C.J.G. Knight at the Wellcome Research Laboratories in Beckenham, Kent. His work at that time was concerned with pathogenic anaerobic bacteria that cause severe infections of war wounds.

In 1940 she married Michael Clarke. He joined the Army in 1940 and became a Tank Commander, serving in the Western Desert, India and the Middle East. When the war ended he returned to England and after being demobilised he became a documentary film director. They had two sons; Francis born in 1947 and David born in 1949. Clarke continued to be involved in microbial biochemistry but decided to take a few years away from full-time employment. In 1951 she joined S.T. Cowan to work part-time at the Medical Research Council National Collection of Type Cultures based at the Central Public Health Laboratory in Colindale, London. This was a productive period during which she devised micromethods for identification of bacteria using enzyme reactions. When the MRC suggested she should work full-time she thought that in that case she might move on.

In 1953 Clarke was appointed to an Assistant Lectureship in the Department of Biochemistry at University College London with a special responsibility for Microbial Biochemistry. She remained at University College London for the rest of her career, being promoted to Lecturer in 1956, Reader in 1966 and Professor in 1974. On retirement in 1984 she was appointed Professor Emeritus of the University of London. In 1996 she was elected an Honorary Fellow of University College. She was

also Honorary Lecturer in the Genetics Department of Monash University Australia in 1971, Honorary Professorial Fellow of the University of Wales Institute of Science and Technology 1994-1987 and Royal Society Kan Tong-Po Professor at the Chinese University of Hong Kong 1986.

Clarke had many other professional commitments. She served on the Council of Society for General Microbiology 1960-1970, the Executive Committee of the Biochemical Society 1978-1981 and the Council of the Freshwater Biological Association 1980-1984. Clarke also was a member of the Science Board of the Science Research Council (1979-1984), the Governing Body of Wye College (1980-1986), the Council of the London School of Hygiene and Tropical Medicine (1982-1984) and the Council of the University of Bath (1987-1993). Other commitments included the British National Bibliographic Research Fund 1990-200 and, locally, the Council of Cheltenham Ladies College (1984-1990) and Board of Governors of Deer Park School, Cirencester 1988-1999.

In correspondence with C.M.C. Haines regarding her entry in Haines's book *International Women in Science* (Oxford, 2001), Clarke summarised her scientific work as follows: 'Clarke's main research, with her students and colleagues, was on the properties and the evolution of bacterial enzymes. By selecting mutants with the ability to grow on novel substrates they obtained strains producing altered enzymes, altered transport systems and altered regulatory systems. They were the first to show that a single site mutation could result in altered substrate specificity. They also showed that a range of novel enzymes could evolve from successive single site mutations. She also collaborated with biochemical engineers in research on methods for producing and purifying bacterial enzymes for industrial use and became involved in developments in biotechnology'.

For her contributions to microbial biochemistry, Clarke was elected to the Fellowship of the Royal Society in 1976 (Leeuwenhoek Lecture 1979), serving on Council and as Vice-President 1981-1982.

#### **DESCRIPTION OF THE COLLECTION**

The material in this collection is presented in the order given in the list of contents. It covers the period 1963 to 2002, although the bulk of the material dates from the 1980s and 1990s.

Section A, Biographical, includes autobiographical material compiled and assembled in connection with her Personal Record as a Fellow of the Royal Society, a full curriculum vitae and an transcript of her video-tape interview for the Biochemical Society. There is also documentation of a number of the later honours she was accorded. Clarke's interest in school education in general and science teaching in particular, is documented, with papers relating to Deer Park School Cirencester of which Clarke was a Governor 1988-1999. Her concern for education is also reflected in her

correspondence with local and national politicians, although other topics are covered including tobacco advertising and the treatment of asylum seekers.

Section B, Women in Science, documents both Clarke's interest in the historical contribution of women scientists, and her concern to ensure that more women became scientists and that their career prospects were the same as those of their male colleagues. The material, which includes correspondence, notes, printed reports and photocopied background material, was assembled by Clarke in connection with a number of specific activities: her 1991 lecture 'Women in Science at University College 1878-1978'; a Royal Society meeting on 'Women in Science and Technology: opportunities for change?', 28 May 1993; her service on the Committee on Women in Science, Engineering and Technology established in 1993 by William Waldegrave MP, Minister for Public Service and Science, whose report 'The Rising Tide' was published in 1994; and a meeting on Women in Science at the Royal Society, 27 March 2001.

Section C, Publications and lectures, documents a few of Clarke's publications from the 1980s on. The largest components relate to her Royal Society Biographical Memoirs of colleagues Roger Yate Stanier and Malcolm Douglas Lilly and her entry on Muriel Robertson for the *New Dictionary of National Biography*. There is also an incomplete set of offprints of her work. Lectures material includes documentation of her 1979 Royal Society Leeuwenhoek Lecture 'Experiments in microbial evolution: new enzymes, new metabolic activities' and the 19th J.D. Bernal Lecture on 'New directions in biology: basic science and biotechnology', delivered at Birkbeck College London, 1988.

Section D, Societies and organisations, is not extensive. There is material relating to eight UK and overseas organisations, including (UK) the British National Bibliographical Research Fund and the Royal Society, chiefly its Archives Working Group and Library Committee, and (overseas) the Palm Oil Research Institute of Malaysia and the Research Grants Council of Hong Kong. The material spans 1975-2001.

Section E, Visits and conferences, covers some of Clarke's travel and attendance at meetings over the period 1971-1998, although the earlier entries are later (*c* 1998) typescript accounts compiled by Clarke from her diary entries. Of particular significance is the documentation of her visits to the Far East through the 1970s, 1980s and 1990s, including Singapore, Malaysia (in connection with the Palm Oil Research Institute) 1990-1992, China and Hong Kong. There is also material relating to her involvement in two 1992 meetings marking the centenary of the birth of J.B.S. Haldane.

Section F, Correspondence, is the largest in the collection. The bulk of this material was arranged by Clarke by group of correspondents and then further subdivided by individual correspondent, and it has been retained in this original order. There are groups of correspondence with her fellow researchers at University College London, with colleagues in the UK and with fellow scientists in the

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USA and Europe. Few correspondents are represented by extended exchanges of letters, the exceptions being R.E. Drew and B.W. Holloway. Other correspondents include S. Brenner, H.L. Kornberg, R.D. Sager and R.Y. Stanier.

There is also an index of correspondents.

#### **ACKNOWLEDGEMENTS**

We are very grateful to Professor Clarke for making the papers available and for information and advice received.

Peter Harper Bath, June 2003

SECTION A	BIOGRAPHICAL, A.1-A.33	1976-2001
	A.1-A.17 BIOGRAPHICAL AND AUTOBIOGRAPHICAL	
	A.18, A.19 PERSONAL CORRESPONDENCE	
	A.20-A.31 EDUCATION ISSUES	
	A.32, A.33 POLITICS	
A.1-A.17	BIOGRAPHICAL AND AUTOBIOGRAPHICAL	1977-2001
A.1, A.2	'CV Personal Record for Royal Society etc'	1999
	Contents of Clarke's envelope so inscribed.	
	Autobiographical account compiled by Clarke for author of her Biographical Memoir.	the
A.1	'Personal Record'	
	37pp typescript autobiographical account.	
A.2	Curriculum vitae; list of Clarke's Ph.D. students vinotes on their careers	vith
A.3-A.6	Autobiographical video recording for the Biochem Society	ical 1993-1995
	As part of the Biochemical Society's programme of vid taped interviews with leading biochemists, Clarke vinterviewed by J. Gareth Morris at University Colle London on 10 May 1994.	vas
A.3, A.4	'Video recording for the Biochemical Society 1994 (1)'	1994
	Draft typescript text with later manuscript additions.	
	2 folders.	

A.5	'Correspondence re Biochemical Society video recording 1994 (2)'	1993-1995
	Correspondence <i>re</i> arrangements for interview and arising therefrom.	
A.6	Typescript outline of contents of video recording	1994
A.7	Lists of 'Published papers 1947-1992' and 'Some key papers and reviews'	1992
A.8	Two autobiographical notes	2001
	These typescript notes, written in July and August 2001 refer respectively to Clarke's biochemistry students from 1960 (prompted by receiving a postcard from one of the former students), and to the circumstances behind her appointment to a Chair at University College London.	
A.9	Typescript accounts of research	1980, 1981
	1980 account prepared for 'Academic innovation' series on research at University College London during the 1970s; 1981 reports prepared for visit to UCL of Science Research Council Visiting Group.	
A.10	Biographical entry prepared for C.M.C. Haines, International Women in Science: a Biographical Dictionary to 1950 (ABC-Clio: Oxford, 2001)	2000-2001
	Correspondence; biographial information sent to Haines; draft of entry.	
A.11	"Secret" life of scientist Pat	2001
	Photocopy of profile by Di Alexander, Wilts & Glos. Standard, 1 March 2001.	
A.12	Letter re post of Principal, Queen Elizabeth College, University of London	1977

A.13	Award of Leverhulme Trust Emeritus Fellowship	1984, 1987
	Correspondence; reports on grant.	
	Clarke was awarded a grant for research on gene structure and function in Pseudomonas aeruginosa.	
A.14	Correspondence <i>re</i> nomination of Clarke for appointment as Dame Commander of the British Empire	1984, 1985
	Clarke declined the honour. A later (1985) note records her reasons for so doing and the note is annotated in 1998 with an indication that Clarke had not altered her views.	
A.15	Award of Honorary Degree, University of Kent at Canterbury, July 1984	1984
	Brief correspondence re arrangements.	
A.16	Award of Honorary Degree, Council for National Academic Awards, May 1990	1989-1990
	Correspondence re arrangements.	
A.17	Election to Honorary Membership, Society for General Microbiology, 1996	1997
	Biographical outline from 'SGM Quarterly', February 1997.	
A.18, A.19	PERSONAL CORRESPONDENCE	1976-2000
A.18	'Personal misc correspondence'	1976-2000
	Letters of congratulation, personal news, etc. In chronological order.	

A.19	Correspondence with Sir Frederick Warner and R.F. Bud, Science Museum, <i>re</i> preservation of historic acetone fermentation plant at former Royal Naval Cordite Factory, Holton Heath, Dorset	1994
A.20-A.31	EDUCATION ISSUES	1978-1997
	Clarke had a longstanding concern for the quality of school education. She supported the comprehensive system of education and had a particular interest in science teaching in schools. She served as a Governor (Vice-Chairman) of Deer Park School, Cirencester 1988-1999 and was chairman of its curriculum committee.	
A.20-A.25	National school education policies	1978-1997
A.20	Correspondence  Chiefly correspondence with Secretaries of State of the Department of Education and Science (successively the Department for Education and the Department for Education and Employment) re issues in comprehensive school education.	1991-1997
A.21-A.24	Newspaper cuttings and other background information on education policy 4 folders.	1978-1996
A.25	Correspondence <i>re</i> education spending in Gloucestershire	1992-1995
A.26-A.29	Deer Park School, Cirencester	1992-c1999
A.26	'Science in schools', 2pp typescript account by Clarke of her association with Deer Park School; miscellaneous material <i>re</i> her last meeting as a governor	c 1999

A.27	Opening of new Science Block, 1991	1991
	At Clarke's suggestion Richard Dawkins, Reader in Zoology, University of Oxford, was asked to perform the opening ceremony. He accepted and the building was opened on 21 April.	
	Correspondence with Dawkins; Clarke's words of welcome; photocopies of newspaper coverage.	
A.28, A.29	School science projects	1992-1997
	2 folders.	
	Deer Park School, partly prompted by Clarke, initiated a number of science projects. One, in conjunction with the University of Bath, was a large scale study of ant behaviour (1994).	
A.30	Stratford-upon-Avon Grammar School for Girls	1993
	Correspondence and papers <i>re</i> opening of school science laboratory by Clarke, 30 September 1993.	
A.31	Miscellaneous correspondence on education issues	1993-1996
A.32, A.33	POLITICS	1986-1999
	Correspondence with various government ministries and Clarke's local MP <i>re</i> various issues. In chronological order.	
	Clarke was a long-standing member of the Labour Party.	
A.32	1986-1992	
	Includes Clarke's criticisms of use of British bases for US attack on Libya, 1986, and of proposal to close remaining UK coal mines, 1992.	

A.33

1993-1999

Includes Clarke's support for a ban on tobacco advertising 1993-1995, and criticisms of treatment of asylum seekers 1995.

**SECTION B** 

**WOMEN IN SCIENCE, B.1-B.48** 

1979-2002

This is the one of the larger sections in the collection and documents both Clarke's interest in the historical contribution of women scientists and her concern to ensure that more women became scientists and that their career prospects were the same as those of their male colleagues.

The material was chiefly assembled by Clarke in connection with a number of specific activities: her 1991 lecture 'Women in Science at University College 1878-1978'; a Royal Society meeting on 'Women in Science and Technology: opportunities for change?', 28 May 1993; her service on the Committee on Women in Science, Engineering and Technology established by William Waldegrave in 1993, whose report 'The Rising Tide' was published in 1994; and a meeting on Women in Science held at the Royal Society, 27 March 2001.

The bulk of the material was found in Clarke's envelopes. These formed a sequence running from A1 to F. This arrangement has been retained and the inscriptions on the envelopes are reproduced in the catalogue entries. At the end of this sequence is material found separately.

B.1-B.3

'Women in Science A1 [...] General Reports'

c 1990s

Printed and photocopied typescript reports, papers etc.

3 folders.

At B.1 is Clarke's typescript list of reports in A1. The list does not include all the material found.

B.4-B.7

'Women in Science A2. Scientists'

c 1990s

Printed and photocopied typescript reports, papers etc on individual women scientists.

**B.4** 

Individual women scientists, A.-H.

Material on M. Anning, A. Arber, J.B. Burnell, C. Haslett, D.M.C. Hodgkin.

B.5	Individual women scientists, IS.	
	Material on E.M. Inglis, K. Lonsdale, M. Rothschild, M. Somerville, M. Stephenson.	
B.6	General contributions	
	Material on contributions by women scientists to particular scientific disciplines.	
B.7	Academic performance of women at university	1994
	Letter from N.G. McCrum, enclosing copy of article, with Clarke's reply.	
B.8-B.11	'Women in Science B1. UCL Historical'	1979-1991
D.O-D.11		1979-1991
	Material on position of women academics, particularly scientists, at University College London.	
	At B.8 is Clarke's typescript list of papers in B1 and B2. The list does not include all the material found.	
B.8	Typescript drafts and printed copy of Clarke's lecture 'Women in Science at University College 1878-1978'	1991
B.9	Correspondence re Clarke's lecture 'Women in Science	1991
	at University College'	
B.10	Draft report and related material on equal opportunities at University College London	1984
	Chiroloxy Conego London	
B.11	Printed and photocopied material on women scientists at UCL	c 1979
B.12-B.15	'Women in Science B2. UCL scientists'	c 1990s
D.12-D.10	Women in oblinio bz. Ook scientists	C 1990S

B.12	Lists of women UCL science graduates 1878-1905 and women Fellows of the Royal Society; manuscript notes and photocopied material on women scientists	
B.13, B.14	Printed and photocopied material relating to Kathleen Lonsdale	
	2 folders.	
B.15	Photocopied material relating to Agnes Arber	
B.16-B.19	'Women in Science C. Meeting at Royal Society 1993'	1993
	Papers re Royal Society meeting on 'Women in Science and Technology: opportunities for change?', 28 May 1993.	
	Clarke chaired the panel discussion at the meeting and helped compile the final report. One of the features was a questionnaire handed out to those present; the results were analysed in the report.	
B.16	Programme; handout presented by J.B. Burnell	
B.17	Spiral bound final report of the meeting	
B.18	Typescript reports on the meeting by J. Mason, P. Nuttall and C. Turley	
B.19	Questionnaires on women in science	
B.20-B.24	'Women in Science D1. The Rising Tide. Publications'	1992-1994
	This material and that in D2 (B.25-B.28) relate to Clarke's service on the Committee on Women in Science, Engineering and Technology, set up by W. Waldegrave MP, Chancellor of the Duchy of Lancaster and Minister for Science, in 1992. It was established following on from the government White Paper 'Realising our potential: a	
	strategy for Science, Engineering and Technology' Cmnd	1

<i>1</i>	2250 (1993). The Committee's report 'The Rising Tide' was published in 1994.	
B.20	Copy of 'Realising our potential: a strategy for Science, Engineering and Technology' Cmnd 2250 (1993)	1992
B.21	Correspondence and papers arising from White Paper	1992-1993
	Includes letter from N.J. Lane to Clarke seeking her views on women in science, with Clarke's reply, September 1992.	
B.22	Copy of 'The Rising Tide. A report on Women in Science, Engineering and Technology'	1994
B.23	Spiral bound notebook labelled 'PH Clarke OST Women in Science 1993'	1993
	Manuscript notes from launch of the report in February 1994.	
B.24	Papers on the response to the report	1994
	Includes 'Women in Science, Engineering and Technology', the official government response, and press-releases on government measures arising therefrom.	
B.25-B.28	'Women in Science D2. The Rising Tide. OST Committee correspondence'	1993-1994
	Chiefly papers of the Committee and its work; press cuttings on the reception of the report.	
B.25	'Issues to be addressed'; minutes of meetings of the Committee	1993-1994
B.26	Comments on and section of draft report	1993

B.27	Newspaper and magazine coverage of the launch of the report	1994
	Also includes newspaper cuttings <i>re</i> the broader issue of women in science.	
B 00		1994
B.28	Letter re activities of Cornwall Women in Engineering Science & Technology	
	With enclosures and Clarke's reply.	
B.29-B.32	'Women in Science E. Royal Society'	1992-1995
	The material chiefly concerns the Royal Society's celebration of the fiftieth anniversary of admission of the first women to the Fellowship of the Royal Society in 1945.	
B.29	Correspondence re 'The admission of the first women to	1992
	the Royal Society of London' by J. Mason, Notes & Records of the Royal Society, vol 46 (1992)	
	Includes offprint.	
B.30	Programme for exhibition on 'Women in Botany: from Drawing Room to Laboratory'	1994
B.31	Royal Society meeting on The Rising Tide - the next wave', Royal Society, London, 19 April 1995	1995
	Letter to Clarke <i>re</i> the programme; list of participants; exhbition brochure.	
B.32	'The women Fellows' jubilee' by J. Mason	1995
	16pp typescript.	
B.33-B.35	'Women in Science F. Women in Science Newsletter. AWISE [Association for Women in Science and Engineering]'	1992-1998

B.33	Women and Science newsletters	1992-1994
	Issues 1-11.	
B.34, B.35	Association for Women in Science and Engineering and related material	c 1993-1998
	2 folders.	
B.36-B.38	'Women'	1996-1998, n.d.
	Contents of Clarke's folder so inscribed divided into three for ease of reference.	Thu.
B.36	Reports from the Office of Science and Technology's Development Unit on Women in Science, Engineering and Technology	1996
B.37	Printed material on women in science and academia	1998
B.38	Miscellaneous typescript and manuscript material	n.d.
B.39-B.48	Material on women in science found separately	1987-2002
B.39	Miscellaneous correspondence	1987-1997
B.40	Science Policy Support Group Policy Analysis Forum on Women in Science, London, 13 March 1992	1992
	Programme; list of participants; information; Clarke's manuscript notes on proceedings	
B.41	Correspondence re Dorothy Hodgkin Fellowships	1995, 1999
	Clarke served on the Royal Society's Dorothy Hodgkin Fellowship selection panel B from 1995 to 1999 when she resigned.	

B.42	Correspondence with J. Mason and H. Rose	1998
	Correspondence re inaccuracies in Rose's Foreword to Women, Science and Medicine 1500-1700.	
B.43-B.45	Royal Society meeting on Women in Science, Royal Society, London, 27 March 2001	2001
B.43	Invitation; programme; information; Clarke's manuscript notes on proceedings	
B.44, B.45	Printed background information on schemes to promote women in science  2 folders.	
B.46	Information about opportunities for women scientists in the European Molecular Biology Organisation	2002
B.47	Newspaper and magazine cuttings	
	The cuttings relate to women in science and opportunities for women in other careers.	
B.48	Miscellaneous material	n.d.

SECTION C	PUBLICATIONS AND LECTURES, C.1-C.54	1972-2001
C.1-C.43	PUBLICATIONS	1972-2001
C.1, C.2	'Introduction: Pseudomonas aeruginosa, an opportunist pathogen', in <i>Pseudomonas Infection and Alginates: biochemistry, genetics and pathology</i> , eds. P. Gacesa and N.J. Russell (London: Chapman & Hall, 1990).	1987-1989
	This planned book arose from a workshop on Extracellular virulence factors of Pseudomonas aeruginosa, held at Gregynog Hall, University of Wales, 15-17 September 1986. See also E.18.	
C.1	Draft of chapter	1988
	16pp typescript.	
C.2	Correspondence with editors and publishers	1987-1989
C.3-C.5	'Microbes for the control of pollution'	1985
	144pp typescript.	
	3 folders.	
	This was found in an envelope inscribed '[] Commissioned 1985 by the ILB. Deposited not published. Invited by B.R. Rabin'.	
C.6-C.11	'Regulation of Expression of Microbial Genes', in <i>Further milestones in biochemistry</i> , eds M.G. Ord and L.A. Stocken, Greenwich, Conn. JAI Press, 1997, pp 234-273	1996-1997
C.6	45pp typescript draft, May	1996
C.7	References, tables, figures for preceding draft	
C.8	46pp copy edited typescript	1997

C.9	References, tables, figures for copy edited draft	1997
C.10	Proof copy	1997
C.11	Correspondence etc.	1996-1997
C.12-C.14	'Muriel Robertson 1883-1973', New Dictionary of National Biography	1974-1999
C.12	Typescript draft	1996
C.13	Correspondence with editors and others	1994-1999
C.14	Background information on Robertson	1974-1997
C.15-C.19	'Roger Yate Stanier 1916-1982', <i>Biographical Memoirs of Fellows of the Royal Society</i> vol 32 (1986) See also F.73.	1983-1986
C.15	Off-print of the Memoir	
C.16	Correspondence with friends and colleagues of Stanier  Letters to Clarke giving information about and reminiscences of Stanier.	1983
C.17	Background information on Stanier Includes 4pp typescript on Stanier by W.C. Evans	1983
C.18	Letters commenting on Clarke's draft	1985

C.19	Letters of appreciation to Clarke	
C.20-C.31	'Malcolm Douglas Lilly 9 August 1939-18 May 1998', Biographical Memoirs of Fellows of the Royal Society vol 46 (2000)	1998-2001
	Lilly undertook postgraduate reseach under Clarke at University College London 1959-1962. He remained at UCL for the rest of his career, being appointed Professor of Biochemical Engineering in 1979.	
C.20	26pp typescript draft	2000
C.21	Draft bibliography	2000
	30pp typescript.	
C.22	Off-print of Memoir	2000
C.23	Correspondence and papers from the Royal Society	1998-2001
	Includes invitation to write the memoir and copies of information on Lilly held by the Royal Society, and later correspondence <i>re</i> publication.	
C.24	Background information	1998-2000
	Includes copy of the <i>Guardian</i> obituary of Lilly (18 June 1998), Lilly's curriculum vitae; transcript of autobiographical tape-recording; etc.	
C.25	Clarke's typescript and manuscript notes on Lilly's life, the structure of the memoir; sources to be consulted.	1998-1999
C.26	Clarke's lists of friends and colleagues of Lilly	

C.27-C.29	Correspondence from friends and colleagues of Lilly	1999-2000
	Letters to Clarke giving information about and reminiscences of Lilly. Individual exchanges of correspondence are numbered by Clarke in a sequence from 3-44 (not complete).	
C.27	3-29	
Č.28	31-37	
C.29	41-44 and others	
	Includes correspondence with Peter Dunnill, originally working as a co-author of the memoir.	
C.30	Correspondence with Lilly's widow and letters of appreciation from friends and colleagues on completion of the memoir	1998-2001
C.31	Spiral bound notebook	1998-2001
	Labelled on front cover 'Malcolm Lilly RS Biog Memoir', used as a diary for work in progress on the memoir.	
C.32	'An experiment in enzyme evolution: studies with Pseudomonas aeruginosa amidase', with R.E. Drew, Bioscience Reports vol 8 (1988)	1986-1988
	Correspondence with editors.	
0.00.005	Desired A Allaha Estado de Como de Com	1005
C.33-C.35	Review of: M. Allaby, Facing the future: the case for science (London: Bloomsbury, 1995), in Science Progress	1995
	This was originally entitled 'Beyond Doom: the case for science'. Much of the material is correspondence with publishers and M. Allaby <i>re</i> a reference queried by Clarke.	

C.33	2pp typescript; 2pp earlier typescript draft annotated 'Replaced'	
C.34	Correspondence with Science Progress	
C.35	Correspondence with publishers and author	
C.36	Review of: B. Gates, Kindred Nature: Victorian and Edwardian Women Embrace the Living World (Chicago, 1998), in Notes and Records of the Royal Society	1999
	2pp typescript; proof copy.	
C.37-C.42	Editorial correspondence	1984-1994
	Arranged alphabetically by publishing house or journal.	
C.37	Chapman and Hall	1988
	Refereeing.	
C.38	Nature	1990
	Refereeing.	
C.39	Pergamon Press	1988
	Request for advice.	
C.40, C.41	Science Progress	1984-1994
	Correspondence and papers <i>re</i> editorial policy, contributors, editorship.	
	2 folders.	
	Clarke served as an editor of this journal, jointly to 1989, then sole editor to 1994.	

C.42	Trends in Biotechnology	1990
	Refereeing.	
C.43	Offprints of articles by Clarke	1972-2000
	Not a complete set.	
C.44-C.54	LECTURES	1979-1998
C.44	'Experiments in microbial evolution: new enzymes, new metabolic activities', Royal Society Leeuwenhoek Lecture, 8 November 1979	1978-1979
	Correspondence re arrangements; notice; abstract.	
C.45	'How to evolve a new microbe. A case study in enzyme evolution', 1982	1982
	20pp typescript + tables and figures; manuscript list of slides.	
	Manuscript note on front page 'Originally asked for manuscript for publication but did not follow up'.	
C.46	'The scientific foundations of modern biotechnology', 2nd Encontro Nacional de Biotechnologia, Porto, Portugal, 1984	1984
	30pp typescript + figures.	
	Manuscript note on front page 'Asked for manuscript for publication but did not publish after all'.	
C.47	'Tailoring bacterial enzymes', International Symposium on Microbiology in the Eighties, Singapore, May 1985	1985
	15pp typescript + figures.	

C.48	'Experiments on the evolution of bacteria with novel enzyme activities (Experimental evolution)', invited lecture at the Karolinska Institute, Stockholm, Sweden, 1985	1985
	22pp typescript.	
C.49	'Further Education Colleges and Polytechnics. The Scope and Implications', Department of Education and Science Invitation Conference on Biotechnology, Keble College, Oxford, 19-20 March 1986	1986
	9pp typescript.	
	See also E.17.	
C.50	'The ubiquitous pseudomonads', European Molecular Biology Workshop, Geneva, Switzerland, September 1986	1986
	17pp typescript + captions for figures.	
C.51, C.52	'New directions in biology: basic science and biotechnology', 19th J.D. Bernal Lecture, Birkbeck College London, 12 May 1988	1987-1988
C.51	29pp typescript draft + notes	1988
C.52	Correspondence re arrangements; background material	1987-1988
C.53	'Protein engineering in vivo', Anniversary Congress of University of Groningen on Prospects in Protein Engineering, The Netherlands, 14-18 August 1989	1989
	Covering letter with 4pp typescript abstract; 7pp typescript with manuscript corrections; list of slides.	
C.54	'The Human Genome Project', talk to Cirencester Science and Technology Society, 25 February 1998	1998
	13pp typescript; copies of figures for overhead transparencies.	

SECTION D	SOCIETIES AND ORGANISATIONS, D.1-D.25		1975-2001
	D.1-D.7	BRITISH NATIONAL BIBLIOGRAPHICAL RESEARCH FUND	
	D.8	PALM OIL RESEACH INSTITUTE OF MALAYSIA	
	D.9-D.14	RESEARCH GRANTS COUNCIL OF HONG KONG	
	D.15-D.20	ROYAL SOCIETY	
	D.21, D.22	SOCIETY FOR THE PROTECTION OF LEARNING AND SCIENCE	
	D.23	UNIVERSITY OF BATH	
	D.24	UNIVERSITY OF KARACHI	
	D.25	WYE COLLEGE, UNIVERSITY OF LONDON	
D.1-D.7	BRITISH NA	TIONAL BIBLIOGRAPHICAL RESEARCH	1975-2001
	British Librar the British I supported bi The Fund wa	as established in 1975 with funds from the y following the dissolution of the Council of National Bibliography Ltd (1949-1975). It bliographic and related research in the UK. as taken over by Resource, the Council for rchives and Libraries, in 2000 and abolished	
		esented the Royal Society on the Fund's from 1991 and opposed its abolition.	
D.1-D.3	Minutes of m	eetings	1990-2001
	Also includes Clarke to the	s at D.1 letter of 18 October 1990 welcoming Committee.	

D.1	Minutes	1990-1994
D.2	Minutes	1995-1997
D.3	Minutes	1998-2001
D.4-D.7	Correspondence and papers re final years of the Committee  Includes lobbying to try to ensure the survival of the Committee.	1998-2001
D.4	1998-1999	
D.5	2000	
D.6	2001 Includes report, for the record, on the work of the Fund written by Clarke for the Royal Society and brief note on her involvement with the Fund.	
D.7	Background information	1992, 1998
D.8	PALM OIL RESEACH INSTITUTE OF MALAYSIA	1989-1992
	Correspondence and papers <i>re</i> meetings of the Subcommittee.	
	Clarke served on the Biology Subcommittee of the Institute's Programme Advisory Committee 1990-1992.	
	In connection with her membership she made a number of visits to Malaysia, some of which are documented further in section E.	

D.9-D.14	RESEARCH GRANTS COUNCIL OF HONG KONG	1988-2000
	Correspondence and papers <i>re</i> assessment of projects.	
	Clarke evaluated research projects for the Research Grants Council of Hong Kong.	
D.9	Grant proposals	1988, 1991
D.10	Work on indigo and sulfur black dye	1993
D.11	Work on Bacillus subtilis	1993
D.12	Work on Bacillus subtilis cloning	1998
D.13	Work on cultured mycelial products of mushroom species	1999
D.14	Work on cultured mushroom mycelia	2000
D.15-D.20	ROYAL SOCIETY	1985-1997

The material, which is not extensive, chiefly documents Clarke's association with the Royal Society's Library Committee and its Working Group on Archives Policy.

Clarke was elected to the Fellowship of the Royal Society in 1976. She was on Council and a Vice-President 1981-1982 and served on a number of committees including the Library Committee 1980-1990 (Chairman 1983-1990) and its Working Group on Archives Policy (Chairman 1985-1990), the Notes & Records Editorial Advisory Board 1989-1997, the Research Grants Scheme Board 1997-1999, and the Advisory Committee to the National Cataloguing Unit for the Archives of Contemporary Scientists 1987-1997.

D.15, D.16	Archives Working Group	1985-1989
D.15	Invitation to serve, 1985; report, 1988	1985, 1988
D.16	Reports	1988, 1989
D.17-D.19	Library Committee	1990
D.17	Minutes of Clarke's last meeting as chairman	1990
D.18	'The Library of the Royal Society'	1990
	12pp typescript annotated '1990 for Library Committee'.	
D.19	Correspondence and papers re history of the Royal Society Library	1992
	Clarke wrote the Foreword to <i>The Library and Archives of the Royal Society</i> by M.B. Hall (London: Royal Society, 1992).	
D.20	Miscellaneous correspondence	1987-1997
D.21, D.22	SOCIETY FOR THE PROTECTION OF LEARNING AND SCIENCE	1986-1999
	Clarke was invited to become a member of the Council of Management of the Society in 1986. She served to 1999.	
D.21	Photocopy of invitation to serve, 1986; miscellaneous correspondence 1992-1999	1986-1999
D.22	Minutes of meetings	1993-1999

D.23 UNIVERSITY OF BATH 1993-1996

Correspondence re Council service.

Clarke served on the Council of the University of Bath as a lay member to 1993.

D.24 UNIVERSITY OF KARACHI 1991-1993

Acting as external examiner

D.25 WYE COLLEGE, UNIVERSITY OF LONDON 1986

Letters re Clarke's resignation as a University of London

representative on the Governing Body of Wye College.

SECTION E	VISITS AND CONFERENCES, E.1-E.36	1971-1998
	The material includes later accounts prepared by Clarke in or around 1998.	
E.1	Visit to Australia 1971	c 1998
	Clarke's typescript accounts, based in part on her diary records, of her travels in the USA, New Zealand and Australia.	
	Clarke spent her sabbatical in 1971 working with Bruce Holloway in his laboratory in the Department of Genetics, Monash University, Australia. She travelled via the USA, where she visited colleagues, and also gave some lectures in New Zealand.	
E.2	Clarke's later typescript accounts of visits to Singapore and Malaysia during the 1970s, 1980s and 1990s	c 1998
E.3	Discussion Meeting on New Horizons in Industrial Microbiology, Royal Society, London, 20-21 June 1979	1979
	Programme; correspondence arising.	
	Clarke spoke on 'Microbiology and pollution: the biodegradation of natural and synthetic organic compounds'.	
E.4-E.6	Joint Royal Society/Science and Engineering Research Council visit to Japan, 14-24 April 1982	1984, 1988
	Clarke was one of two Royal Society representatives (with Sir James Baddiley).	
E.4	Report to the Royal Society	1982
E.5, E.6	Clarke's typescript report on visit	1982
	The report gives, firstly her personal account of the visit and, secondly, her reports on visits to individual science and technology institutions in Japan.	
	2 folders.	

# Visits and conferences

E.7	Meeting on Pseudomonas Genetics and their Biosurface Phenomenon, Warren Spring Laboratory, Stevenage, Hertfordshire, 14 October 1985	1985
	Letter re arrangements, agenda; list of participants.	
E.8-E.10	4th General Assembly of the International Foundation for Science, Rabat, Morocco, 15-18 October 1984	1984-c 1998
	Clarke attended as the official UK delegate on behalf of the Royal Society.	
E.8, E.9	Papers for the General Assembly	
	2 folders.	
E.10	1988 booklet on the IFS; note by Clarke on her participation at the General Assembly, c 1998.	1988, c 1998
E.11-E.16	Visit to Hong Kong and China, January-February 1986	1984-1990
	Clarke was invited to visit the Chinese University of Hong Kong (CUHK) on the Kan Tong Po Visiting Professorship Scheme. She gave a series of seminars to the Departments of Biology and Biochemistry on work on Pseudomonas aeruginosa and on 'Evolution of novel catabolic activities in bacteria'. She produced a report for the university on research in biotechnology. Clarke also visited the University of Hong Kong. The Royal Society then suggested Clarke extend her visit into later February and go on to China under the Exchange Scheme with the Academia Sinica.	
E.11	Correspondence re arrangements to visit Hong Kong	1984-1985
E.12	Notices for seminars by Clarke; biographical outline of Clarke.	
E.13	Clarke's 'Report on Research and Teaching in Biotechnology at the Chinese University of Hong Kong, February; information on the Department of Biology at the CUHK.	1986

#### Visits and conferences

E.21, E.22	Visit to Malaysia, 22 March-7 April 1988	1988
	Clarke visited the University of Malaya as External Examiner in Microbiology for the Department of Genetics and Cellular Biology. She also visited the Palm Oil Research Institute (see D.8) where she spoke on 'Recent developments in Biotechnology in Britain'.	
E.21	Reports on the Department of Genetics and Cellular Biology	1988
E.22	Itinerary; 7pp typescript notes for Clarke's talk on biotechnology; correspondence arising from visit	1988
E.23	UK-Japan Biotechnology Workshop, Royal Society, London, 25-26 April 1988	1988
	Programme; bound abstracts, annotated by Clarke.	
E.24-E.26	Visit to Hong Kong, August 1988	1987-1988
	Clarke visited Hong Kong to attend the 8th International Conference on Global Impacts of Applied Microbiology, held with the International Conference on Applied Biology and Biotechnology, Chinese University of Hong Kong, 1-5 August. She spoke on 'New enzymes from bacteria'. Clarke made other visits in Hong Kong on behalf of the British Council and the Royal Society.	
E.24	Correspondence re arrangements	1987-1988
E.25	7pp annotated typescript of Clarke's contribution; 1p references.	
E.26	Manuscript notes on visit; typescript reports to the British Council and Royal Society	1988
E.27	Programme Advisory Commitee Seminar on Current Developments in Protein Engineering, Palm Oil Research Institute of Malaysia, 16 March 1990	1990

#### Visits and conferences

<i>1</i>	Programme; abstract; 9pp typescript.	
E.28	Workshop on Library Provision for the Culture of Science, Technology and Medicine, Royal Society, London, 23 October 1990	1990
	List of participants; typescript proceedings.	
E.29	Royal Society Anniversary Day, 30 November 1990	1990
	Letter of invitation; programme; copy of speech proposing a vote of thanks to President of the Royal Society, and 4pp typescript of Clarke's speech seconding it.	
E.30	Meeting on J.B.S. Haldane: Science and Society, Science Museum London, 10-11 April 1992	1992
	Programme; list of particpants; abstracts.	
	Clarke was a member of the organising committee.	
	See also E.33-E.35 below.	
E.31, E.32	Programme Advisory Commitee meeting, Palm Oil Research Institute of Malaysia, 13-18 April 1992	1992
E.31	Schedule and programme	
E.32	Report on status of palm oil tissue culture research in relation to abnormalities	
	This was prepared for the meeting.	
E.33-E.35	J.B.S. Haldane Centenary Meeting, University College London, 6 November 1992	1992
	Clarke spoke on 'Haldane and Biochemistry: enzymes and the origin of life'.	
	See also E.30 above.	

#### Visits and conferences

E.33	7pp typescript of Clarke's lecture; figures for transparencies	
	Also includes covering letter sent with abstract.	
E.34	Abstracts of contributions	
E.35	Background information on Haldane  Includes Clarke's manuscript notes, photocopies and printed material.	
E.36	Invitations declined 1985-19	994

# SECTION F 1963-2001 **CORRESPONDENCE, F.1-F.78** The bulk of this material was arranged by Clarke in envelopes organised by group of correspondents. It has been retained in this original order. Many of the envelopes are further subdivided by correspondent, sometimes with a later note by Clarke explaining her relationship with the correspondent. At F.74-F.78 is a little correspondence found loose. 1963-2001 F.1-F.7 'Bruce Holloway' Correspondence chiefly reporting on work on Pseudomonas aeruginosa and related research but also including arrangements for visits and with family, personal and social news of colleagues Bruce Holloway was an Australian colleague of Clarke's who made his career at Monash University, Victoria. Their association through research on P. aeruginosa spanned some four decades and is described in Clarke's note of 2001 at F.1. F.1 Note by Clarke on B.W. Holloway, 2001; curriculum vitae 1970, 2001 1970 F.2 1963-1967 Correspondence re Pseudomonas genetics

F.3 1969-1975

Work on P. aeruginosa strains; contribution to *Genetics* and *Biochemistry of Pseudomonas*, eds. Clarke and M.H. Richmond (London: Wiley, 1975); visits to UK.

F.4 1976-1981

Chiefly genetic linkage mapping of Pseuodmonas.

F.5 1982-1985

Visits and social news; P. aeruginosa gene mapping

F.6 1982, 1985

Career.

F.7 1988-1998

Chiefly personal and social news.

#### F.8-F.11 'Pseudomonas Group Rob Drew'

1989-1998

Chiefly correspondence *re* work in progress, including drafts of work sent to Clarke for comment.

Chiefly research on genetics of Pseudomonas aeruginosa, though later correspondence includes social and personal news.

Robert E. Drew was a colleague of Clarke's based at the University College London Department of Biochemistry and Molecular Biology.

F.8 1989-1990

Includes typescript draft of 'Cloning, DNA sequence and purification of amicC, a new gene regulating expression of the Pseudomonas aliphtic amidase' by Drew and S.Wilson, sent to Clarke for comment.

F.9 1991-1992

Includes typescript draft of 'Regulation of amidase expresion in Pseudomonas aeruginosa' by Drew and S. Wilson, sent to Clarke for comment, c 1992.

F.10 1993, 1995

Includes copy of presentation on 'The P. aeruginosa transcriptioin antiterminator AmiR, binds to the Leader mRNA in the amidase operan' by Drew et al.

F.11	1996-c 2000	
	Includes copy of presentation on 'Antitermination of amidase expression in Pseudomonas aeruginosa is controlled by a novel cytoplasmic amide-binding protein' by Drew et al.	
F.12-F.26	'UCL Research Group Students etc'	1975-1996
	Correspondence with former University College research students, laboratory workers and visiting researchers. Some have a note by Clarke giving some biographical information. Arranged in alphabetical order by surname.	
F.12	Betz, J.L.	1985-1994
1.12	Betz was a Ph.D. student of Clarke's.	1303-1334
	Delz was a Fil.D. student of Glaine's.	
F.13	Daly, G.	1975
	Greta Daly was a technician who studied for her B.Sc. in biochemistry before moving to Australia.	1070
F.14	Day, M.J.	1974-1995
	Includes correspondence re career.	
	Day was a research student of Clarke's who spent much of his career at the University of Wales, Cardiff.	
F.15	Draper, P.	1984
	With typescript note by Clarke.	
F.16	Finer, N.	1984
	One letter only.	
	Finer was an ex-technician of Clarke's.	
	The same of the same of the same of	

F.17	Karunakaran, V.	1990
	One letter only, re career.	
F.18	Keshavaraz, T.	1985-2001
	Chiefly re career. With typescript note by Clarke.	
	Clarke and M.D. Lilly supervised Keshavaraz's Ph.D. in biochemical engineering at University College London.	
F.19	Laverack, P.D.	1989, 1990
	Laverack was a former technician in Clarke's laboratory.	
F.20	Meadow, P.M.	1987, 1991
	Two letters only.	
	Pauline Meadow (married name Enticknap) held a Beit Fellowship for research with Clarke at UCL 1956-1957. They developed a research group and when her Fellowship ended she was appointed Lecturer. Meadow later became Reader in Biochemistry and Sub-dean of the Medical Faculty.	
F.21, F.22	Rice, P.M. and C.M.	1976-1994
	Peter and Catherine Rice were Ph.D. students of Clarke's.	
F.21	1976-1979	
F.22	1980-1994	
	Chiefly re career.	
F.23, F.24	Sambanthamurthi, R.	1982-1996
	Sambanthamurthi was a Malaysian research student of Clarke's 1979-1983.	

F.23	1982-1986	
	Correspondence <i>re</i> studies and career. Also includes personal news.	
F.24	1988-1996	
	Chiefly personal and career news.	
F.25	Sangodcar, U.	1986, 2002
	One letter only, 1986, with later typescript note by Clarke.	
F.26	Trewavas, A.	1999
	One letter only.	
F.27-F.32	'UCL Misc'	1982-1998
1.271.02		1302-1330
	Correspondence with University College London colleagues. Arranged in alphabetical order by surname.	
F.27	Armitage, J.P.	1995-1998
	Correspondence and papers chiefly <i>re</i> career.	1000 1000
	Armitage was a student on the UCL B.Sc. Microbiology	
	course. After graduation in 1972 she went on to Ph.D. research. She remained at UCL to 1985 when she	
	moved to Oxford. She was appointed Professor of Biochemistry at the University of Oxford in 1996.	
F.28	Banks, B.	1990
	Career.	
	Barbara Banks joined the UCL Biochemistry M.Sc. course in 1957. She did a Ph.D. in the Chemistry Department and then joined the Physiology Department.	

F.29	Bawden, LA.	1999
	One letter only, with reminiscences.	
F.30	Lighthill, M.J.	1998
	Obituaries of Lighthill, including appreciation by Clarke, Guardian, 25 July 1998; letter of condolence to Lady Lighthill.	
	The mathematician, Sir James Lighthill, was Provost of UCL. He gave strong support to science and technology and to the position of women in the College.	
F.31	Man, D.	1981-1985
F.32	Robson, E.B.	1984
	One letter only.	
	Bette Robson was Head of the UCL Department of	
	Genetics and Biometry.	
F.33-F.56	'Correspondence with scientists etc UK'	1968-1999
F.33-F.56		1968-1999
<b>F.33-F.56</b> F.33	'Correspondence with scientists etc UK'  Correspondence with British scientists and colleagues.	<b>1968-1999</b> 1972-2000
	'Correspondence with scientists etc UK'  Correspondence with British scientists and colleagues.  Arranged in alphabetical order.	
	'Correspondence with scientists etc UK'  Correspondence with British scientists and colleagues. Arranged in alphabetical order.  Ambler, R.P.  Correspondence re Clarke and Ambler's 'collaboration on the amino acid sequence of the amidase of Pseudomonas aeruginosa' Also includes exchange re	
	'Correspondence with scientists etc UK'  Correspondence with British scientists and colleagues. Arranged in alphabetical order.  Ambler, R.P.  Correspondence re Clarke and Ambler's 'collaboration on the amino acid sequence of the amidase of Pseudomonas aeruginosa' Also includes exchange re commemoration meeting for M.R. Pollock, 2000.  Ambler worked in the Edinburgh University Department of	
F.33	'Correspondence with scientists etc UK'  Correspondence with British scientists and colleagues. Arranged in alphabetical order.  Ambler, R.P.  Correspondence re Clarke and Ambler's 'collaboration on the amino acid sequence of the amidase of Pseudomonas aeruginosa' Also includes exchange re commemoration meeting for M.R. Pollock, 2000.  Ambler worked in the Edinburgh University Department of Molecular Biology.	1972-2000

<i>1</i>	Auffret worked with R.P. Ambler at Edinburgh on the amidase sequence.	
F.35	Billing, E.	1978
	Strains of Erwinia.	
F.36	Brenner, S.	1968
	Strains of Pseuodmonas aeruginosa.	
F.37	Buchanan, B.J.	1997, 1998
	Correspondence re Waltham Abbey connection.	
F.38	Buchanan, R.A.	1995-1998
	Correspondence <i>re</i> history of science and personal news.	
F.39-F.44	Cambridge Biochemistry Department	1976-1999
	Correspondence with colleagues associated with the Department of Biochemistry at Cambridge.	
	A typescript note by Clarke (F.39) lists the correspondents and explains her relationship with them.	
F.39	Bacon, J.S.D.	1002
1.00	Bacon, J.S.D.	1982
F.40	Corran, H.S.	1992-1999
1.40		1552-1555
	Chiefly personal news and news of colleagues. Includes 3pp typescript of Corran's obituary of their mutual friend R.L.M. Synge, 1994.	
F.41	Elsden, S.R.	1976-1981
	Includes correspondence re Stickland-type reaction.	

F.42	Gale, E.F.	1991-1995
	Chiefly personal news.	
F.43	Harris, H.	1995
F.44	Heyningen, R. van	1996-1997
	Personal correspondence.	
F.45	Davies, M.	1982
F.46	Dawes, E.A.	1976
	Exchange re 100th volume of the Journal of General Microbiology.	
F.47	Derewenda, Z.	1989
F.48	Howe, T.G.B.	1974
	Correspondence re Pseudomonas aeruginosa strains.	
F.49	Knowles, C.J.	1976, 1984
	Includes copy of typescript paper 'The effect of cyclic AMP on respiratory activity in Escherichia coli K-12', sent to Clarke for comment after its rejection for publication, 1976.	
F.50	Kornberg, H.L.	1963
	One letter only from Kornberg <i>re</i> propionate and growth in Pseudomonas aeruginosa.	

F.51	Simon, B.	1992, 1994,
	Personal news; history of Cirencester schools.	2002
	Simon was Professor of Education at the University of Leicester.	
F.F0	Clater I H	1981-1991
F.52	Slater, J.H.	1901-1991
	Includes typescript of 'Environmentally directed mutations in the dehalogenase system of Pseuodmonas putida' by Slater et al, sent to Clarke for comment.	
	Slater was Professor of Applied Microbiology at the University of Wales.	
F.53	Smith, W.	1985
	One letter only.	
F.54	Spratt, B.G.	1991
F.55	Weightman, A.J.	1991
	Travel grant.	
F.56	Wright, L.F.	1977
	Correspondence and papers <i>re</i> work on Pseudomonas aeruginosa.	
		4070 4000
F.57-F.59	'Europe'	1978-1988
F.57, F.58	Stalon, V.	1978-1985
	Victor Stalon worked in the microbiology unit of the Science Faculty of the Université Libre de Bruxelles, Belgium.	

F.57	1978-1979	
	Correspondence re arginine metabolism.	
F.58	1983-1985	
	Includes draft typescript of 'L-arginine utilization by Pseudomonas species' by Stalon and A. Mercenier sent to Clarke for comment, 1983, and further correspondence on arginine pathways, 1984-1985.	
F.59	Miscellaneous correspondents	
F.60-F.73	'Correspondence with scientists US'	1968-1997
	Correspondence with US scientists and other colleagues. Arranged in alphabetical order.	
F.60	Dykhuizen, D.E.	1985
	Letter, with enclosures, re mutation in Escherichia coli	
F.61	Gunsalus, I.C.	1969-1981
	Correspondence <i>re</i> Pseudomonas aeruginosa, personal news.	
	Includes typescript biographical note on Gunsalus by Clarke.	
F.62	Knowles, J.R.	1976, 1985
F 00	K O	
F.63	Kustu, S.  One letter only <i>re</i> work on nitrogen control.	1980

F.64	Lin, E.C.C.	1984
	One letter only, of good wishes on retirement.	
F.65	Miller, S.L.	1985
	One letter only, with enclosures.	
		-
F.66	Olsen, R.	1980
	Correspondence re visit by Clarke to University of Michigan.	
	Clarke lectured to the Division of Biological Sciences course on Mechanisms of Molecular Evolution on 'Experimental evolution of biochemical pathways' on 4 November 1980.	
F.67	Ornston, L.N.	1972-1973, 1985
	Chiefly correspondence <i>re</i> Ornston's contribution to <i>Genetics and Biochemistry of Pseudomonas</i> , eds. Clarke and M.H. Richmond (London: Wiley, 1975).	1903
F.68	Palleroni, N.J.	1973
	Correspondence re Palleroni's contribution to Genetics and Biochemistry of Pseudomonas, eds. Clarke and M.H. Richmond (London: Wiley, 1975).	
F.69	Phibbs, P.	1991
	Exchange <i>re</i> proposal to establish a Pseudomonas stock culture collection at East Carolina University.	
F.70	Reiner, A.M.	1977
F.71	Sager, R.D.	1980-1997
	Chiefly correspondence <i>re</i> visits by Sager and A.B. Pardee to the UK and personal news.	/

<i>/</i>	Ruth Sager was a distinguished cancer geneticist. She was one of the first women to be elected to the US National Academy of Sciences and the American Academy of Arts and Sciences.	
F.72	Shooter, E.	1986-1997
	Personal news.	
F.73	Stanier, R.Y.	1968-1969
	Correspondence <i>re</i> properties of strains of Pseudomonas. Also includes brief typescript note by Clarke on Stanier's influence on her work.	
	Clarke wrote the Royal Society Biographical Memoir of Stanier, see C.15-C.19.	
F.74-F.78	Miscellaneous correspondence found loose	1983-2000
	In chronological order.	
F.74	1983, 1985, 1988	
F.75	1986	
F.76	1994	
	Exchange with J.R. Quayle <i>re</i> his Royal Society Biographical Memoir of the biochemist W.C. Evans (1911-1988).	
F.77	1991	
F.78	2000	

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