

Supplementary catalogue of the papers and
correspondence of

Joseph Needham CH FRS

(1900 - 1995)

VOLUME I

Introduction

Sections A - H

by Timothy E. Powell and Peter Harper,
NCUACS catalogue no. 81/2/99

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GENERAL INTRODUCTION

PROVENANCE

The papers were received in July 1996 from the Needham Research Institute, Sylvester Road, Cambridge.

OUTLINE OF THE CAREER OF JOSEPH NEEDHAM

A fuller account is to be found in the introduction to the catalogue of Joseph Needham's papers compiled in 1995 (NCUACS 54/3/95), to which this catalogue forms a supplement.

Noel Joseph Terence Montgomery Needham (known as Joseph) was born in London on 9 December 1900, the son of Joseph and Alicia Adelaide Needham. He was educated at Oundle School 1914-1918 and Gonville and Caius College, Cambridge 1918-1922 where he studied for the Natural Sciences Tripos. Needham then went on to postgraduate research in the Cambridge Biochemistry Department under Frederick Gowland Hopkins, supported by a Benn Levy Studentship 1922-1924. He was elected a Fellow of Gonville and Caius College in 1924 and in the same year married Dorothy Mary Moyle (1896-1987), a fellow researcher in the Department. Needham was appointed University Demonstrator in Biochemistry in 1928 and in 1933 succeeded J.B.S. Haldane as Sir William Dunn Reader in Biochemistry. He held this post until 1966 when he became Master of Gonville and Caius College. He retired from the Mastership in 1976.

Needham's early biochemical research focused on embryology. In *Chemical Embryology* published in 1931, Needham explained embryological development as a chemical process. He then extended this work with research into various aspects of morphology, culminating in his 1942 book *Biochemistry and Morphogenesis*. He combined a high rate of productivity in biochemistry with a prolific output of articles on historical, religious, political and philosophical subjects. Needham also gave many lectures, likewise on historical, philosophical, religious and political subjects in addition to those of purely biochemical interest.

As well as his contributions to the development of biochemistry in Cambridge Needham was an important figure in the establishment of the history of science as an academic discipline at Cambridge as a founder member of the History of Science Lectures Committee. After the Second World War he served on the History of Science Committee and the History and Philosophy of Science Committee until 1971. Needham was also a leading figure in the International Union of the History and Philosophy of Science.

Needham's interest in China dated from the mid-1930s. In 1942 Needham went to China as Head of the British Scientific Mission and under the auspices of the British Council established the Sino-British Science Cooperation Office (SBSCO). The SBSCO was responsible for assessing the needs of Chinese scientific, technological and medical institutions and researchers, and facilitating the supply of equipment and medicines, books and journals to China.

The success of the SBSCO was the immediate inspiration for Needham's vision of postwar international science co-operation. With the form of the future United Nations organisation under discussion Needham argued that the proposed United Nations Educational and Cultural Organisation should include science within its remit. It was appropriate that in 1946 he was appointed the first Director of the Section of Natural Sciences of the United Nations Educational, Scientific and Cultural Organisation. He served for two years.

On his return to Cambridge in 1948 Needham began work on his new project - a history of the contribution of China to science and civilisation. This work was to occupy Needham for most of the rest of his life; the first volume of *Science and Civilisation in China* appeared in 1954 and by his death it had run to sixteen volumes. Among those Chinese students who had first encouraged Needham's interest in China was Lu Gwei-Djen. The Needhams became close friends with Lu and their careers came together again when she returned to Cambridge in 1957 to assist Needham in this work.

Needham was a religious man. From his student days he was a high church Anglican but combined this with a commitment to social justice. In the 1930s Needham was active in propagating a highly political Christianity emphasising its closeness to Marxism and had a long association with the Parish Church of Thaxted, Essex, identified very closely with the Christian Socialist tradition. In later years Needham's concern for reconciliation between science and religion led to his Presidency of the Teilhard de Chardin Centre for the Future of Mankind. He was also a Reader in the Church of England

Needham was elected to the Fellowship of the Royal Society in 1941 and in 1971 elected a Fellow of the British Academy. In 1992 he was appointed a Companion of Honour. Needham died in 1995, outliving both Dorothy Needham, who died in 1987, and his second wife Lu Gwei-Djen, whom he had married in 1989 but who died in 1991.

DESCRIPTION OF THE COLLECTION

This catalogue of the papers of Joseph Needham is a supplement to that compiled in 1995 (NCUACS 54/3/95). The material has been arranged into sections and numbered to follow the sequence of the previous catalogue, which should therefore be consulted in conjunction with this catalogue. Papers supplementary to the first catalogue have been found for all the sections.

Section A, Biographical, is extensive and supplements the material in the previous catalogue in a number of areas. There are autobiographical accounts, material relating to Needham's university studies and subsequent career, honours and awards. There is significant further family material relating in particular to his mother A.A. Needham and second wife Lu Gwei-Djen and correspondence relating to genealogical research into the Needham family. There is also personal and social correspondence. There is a complete sequence of diaries for 1933-1995. The section also includes documentation of a number of Needham's other interests, including his membership of the Cambridge Morris Men and interest in folk dance, holidays, and financial records. There are many photographs, of Needham and members of his family, friends and colleagues, and of tours of the Cambridge Morris Men in the 1930s.

Section B, Cambridge, chiefly comprises papers relating to Needham's Presidency and then Mastership of Gonville and Caius College. There is a little material relating to the Department of Biochemistry, history of science at Cambridge and to the acquisition of Chinese books for the University Library.

Section C, Sino-British Science Cooperation Office (SBSCO), is chiefly material relating to the book *Science Outpost* (1948) in which the Needhams gave an account of the work of the SBSCO.

Section D, United Nations Educational, Scientific and Cultural Organisation, presents a little material supplementary to the previous catalogue. Most relates to Needham's appointment as Honorary Counsellor to UNESCO after he left the organisation in 1948.

Section E, Research, is chiefly manuscript notes and drafts related to publications. The bulk of the papers cover the period 1929-1930s.

Section F, Publications, is extensive. It chiefly relates to Needham's pre-war and wartime publications but later works are also represented. Included in the section are not only drafts of scientific papers and books but also writings on philosophical and historical themes. Scientific works documented include *Chemical Embryology* (1931), *A History of Embryology* (1934) and his contribution to *The Chemistry of Life*, (1970). There is further material relating to his collections of essays including *Time the refreshing river* (1943) and *History is on our side* (1946). There is also extensive documentation

of Needham's article 'The geographical distribution of English ceremonial dance traditions', published in the *Journal of the English Folk-Dance and Folk-Song Society* (1936). The section also presents sequences of editorial correspondence and requests for off-prints.

Section G, Lectures and broadcasts, presents some of Needham's public and invitation lectures delivered on scientific and religious subjects 1928-1990. There is also a little material relating to broadcasts.

Section H, Visits and conferences, presents a chronological sequence of material 1931-1988. Needham's historical interests are represented rather better than his biochemical ones. Among the occasions represented by surviving material are the Second International Congress of the History of Science and Technology, London, 1931, the First Congress of Polish Science, Warsaw, Poland, 1951, a visit to Romania in January 1963, a visit to Sweden and Denmark, April 1964, the Fifteenth International Congress of the History of Science, Edinburgh, 10-19 August 1977, and a British Council sponsored visit to Cyprus, 21 May - 4 June 1979.

Section J, Societies and organisations, documents Needham's involvement with nineteen national and international bodies. Those best documented are the Cambridge Museum of Technology, Needham was Chairman of the Trustees 1968-1981, Collet's Holdings Ltd, of which Needham was a director, and the Royal Society, principally the British National Committee for the History of Science, 1969-1972.

Section K, Politics, documents Needham's wide-ranging involvement in politics of the Left. All the material in the section is post-war. It includes documentation of his concern with peace and nuclear disarmament and Needham's international outlook, naturally focused on China, is also well-represented, in particular by material relating to his Presidency of the Society for Anglo-Chinese Understanding (SACU).

Section L, Religion and society, represents Needham's religious concerns. There is a chronological sequence of sermons and addresses, 1935, 1961-1987 delivered by Needham, principally at divine service at Gonville & Caius College Chapel and at Thaxted Parish Church. There is documentation of Needham's association with the Teilhard Centre for the Future of Man (Needham was Honorary President from 1967), Thaxted Church, Needham's involvement with which dated back to 1927, and various other religious organisations. There is also material assembled by Needham relating to Christianity in China, and religious literature including tracts and offprints which attest to his interest in the Christian Socialist tradition.

Section M, Correspondence, consists of a sequence of longer exchanges arranged alphabetically by correspondent, a sequence of shorter exchanges and single letters arranged chronologically 1923-

1994, and references and recommendations. Principal correspondents include Zain-ul-Abedin, Max Pettersson and M. Teich. The sequence of shorter correspondence, the great bulk of which dates from the last twenty five years of Needham's life, reflects his religious, political and especially history of science interests as well as including news of the principal events of his personal life. It should be noted that there is extensive correspondence throughout the catalogue. Much of Needham's correspondence is to be found in other sections where it is retained with the material with which it was found.

There is also an index of correspondents.

LOCATIONS OF OTHER MATERIAL

Photographs, postcards and items of memorabilia were returned to the Needham Research Institute.

The previously catalogued papers and correspondence of Joseph Needham are deposited in Cambridge University Library. Finding aid: NCUACS catalogue no. 54/3/95.

Papers relating to Needham's Mastership of Gonville & Caius College, Cambridge, 1966-1976 are held by the College Archives.

Papers relating to Needham's work on Science and Civilisation in China are held at the Needham Research Institute, Sylvester Road, Cambridge.

Papers and correspondence relating to chemical and biological warfare, 1952-1989 were deposited by Needham at the Imperial War Museum, London. Finding aid: NCUACS catalogue no. 55/4/95.

Papers and correspondence of Dorothy Needham are deposited in the Library of Girton College Cambridge. Finding aids: NCUACS catalogue nos 22/7/90, 37/5/92 and 62/5/96.

Timothy E. Powell
Peter Harper
Bath 1999

SECTION A

BIOGRAPHICAL

A.696-A.1220

The material in this section has been numbered to follow that in the previous catalogue (NCUACS 54/3/95) in conjunction with which it should be consulted.

The material is arranged as follows:

A.696-A.716	BIOGRAPHICAL AND AUTOBIOGRAPHICAL
A.717, A.718	CHILDHOOD
A.719-A.729	UNDERGRADUATE AND POSTGRADUATE
A.730-A.763	CAREER, HONOURS AND AWARDS
A.764-A.823	FAMILY
A.824-A.841	PERSONAL CORRESPONDENCE
A.842-A.892	CLUBS, ASSOCIATIONS AND OTHER INTERESTS
A.893-A.948	DIARIES
A.949-A.1050	HOLIDAYS
A.1051-A.1061	SOCIAL ENGAGEMENTS AND INVITATIONS
A.1062-A.1083	FINANCIAL
A.1084-A.1107	MISCELLANEOUS
A.1108-A.1220	PHOTOGRAPHS

Biographical

A.696-A.716 **BIOGRAPHICAL AND AUTOBIOGRAPHICAL** **1930-1993, n.d.**

For a biographical account written on the occasion of Needham's receiving the Leonardo da Vinci Medal in 1968 see A.747.

A.696 Television interview for Cyprus Broadcasting Corporation, 23 May 1979.

Two different manuscript lists of questions (one photocopied with Needham's manuscript annotations) for Needham.

Needham was visiting Cyprus as a guest of the Cyprus Research Centre with British Council support. See H.248-H.252. He also broadcast on the history of science in China, see G.138-G.140.

A.697 'Brain of Britain...and China' by Anthony Butler.

Profile of Needham in the *Scotsman Magazine*, October 1982, pp 20-23.

Copy of the *Scotsman Magazine*.

A.698 Videotaped interview for the Biochemical Society.

Correspondence *re* arrangements, March 1985 - June 1986; interview agreement, June 1990.

A.699 Autobiographical account for *New Humanist* magazine.

The account gives a brief insight into Needham's religious views.

Correspondence September 1991 - February 1992 (Needham's account is in his letter of 26 February).

A.700-A.704 Correspondence with and papers from P.G. Werskey, 1968-1969, 1977-1979.

Werskey was an American Ph.D. student working on Left wing scientists active in the 1930s. He interviewed Needham as part of his research in May 1968 and spent some time with Needham arranging some of his personal papers (see the Conspectus in the previous catalogue).

Werskey's work was published as *The Visible College* (London, 1978).

A.700 Correspondence 1968.

Biographical

- A.701 'Record of a Conversation on 21 May 1968 between Gary Werskey, Keith Roberts and Harold Fruchtbaum and Joseph Needham on the "Science and Society" movement in the Thirties'. 34pp corrected typescript.
- A.702 'The Visible College: Precis of a study of the Science and Society Movement in Great Britain, 1918-1941', 31pp typescript, November 1968.
- A.703 'The Visible College. A study of socialist scientists in Britain, 1918-1941', 22pp typescript + appendices and notes. ca May 1969.
- A.704 Correspondence with Werskey re publication of *The Visible College*, 1977-1979.
- A.705 Miscellaneous correspondence re requests for biographical information, 1968-1994.
- A.706 Letters re photographs of Needham, 1949, 1966.
- A.707-A.710 Passports.
- A.707 1945-1950.

Loose at front is UN letter of credence for visit to Poland and Czechoslovakia, issued 20 June 1947.
- A.708 1947-1957.

Loose at front are UN letters of credence issued 7 May and 14 October 1947 and visa for visit to Mexico, issued 8 October 1947.
- A.709 1957-1967.
- A.710 1965-1975.

Biographical

- | | |
|---------------------|---|
| A.711-A.716 | Needham's health. |
| A.711-A.715 | Correspondence and papers in chronological order 1930-1993, n.d. |
| A.711 | 1930-1959. |
| A.712 | 1960-1969. |
| A.713 | 1970-1978. |
| A.714 | 1980-1989.

1982 correspondence includes Needham's observations on the effect of ageing for prospective book by Alice Heim. |
| A.715 | 1990-1993, n.d.

Includes manuscript notes for Needham's carers. |
| A.716 | X-rays of Needham's digestive system, January 1960. |
| A.717, A.718 | CHILDHOOD |
| A.717 | Birth certificate, 1900. |
| A.718 | Invitation to join and Rules of 'Christian Soldiers Society' (Needham was President). Manuscript in Needham's hand. N.d. |

Biographical

A.719-A.729	UNDERGRADUATE AND POSTGRADUATE	1918-1925
A.719	King's College Hospital London, 1918. Certificate of registration as a medical student, 25 May 1918.	
A.720-A.729	Gonville & Caius College Cambridge, 1918-1925.	
A.720	Papers <i>re</i> University of Cambridge Previous Examination, March 1918.	
A.721	University of Cambridge 'Regulations and Schedules for Medical and Surgical Degrees', 1918. Needham is recorded as having passed all elements of the First M.B. Examination 1920. The book also records Needham's study of Chemistry, Anatomy, Physiology and Biochemistry in Cambridge 1918-1920, and Physiology, Biochemistry and Anatomy at King's College London, 1919-1920.	
A.722	Certificate of results from First M.B. Examination, June 1919; certificate cards from anatomy classes 1919-1920.	
A.723	Lists of College prizes and degree awards, June 1921. Needham received the Natural Science Essay Prize and was awarded BA.	
A.724	'Outstanding problems of physiology', 6pp manuscript. Annotated on back 'Nat. Sci. Trip. Part II Essay Paper 24.5.'22'.	
A.725	List of College prizes, June 1922. Needham again received the Natural Science Essay Prize.	
A.726	Contents of Needham's envelope: manuscript notes <i>ca</i> 1922 These notes appear to have been assembled by Needham at the end of his undergraduate studies when he was thinking of what course to pursue following graduation.	

/...

Biographical

- /... The material includes Needham's possible plans for his future career, ideas for a course in biophysics, notes on studentships available.
- A.727 Telegram of congratulation on Benn Levy Studentship from A.A. Needham (mother), 18 September 1922.
- A.728 Correspondence *re* research 1923.
- A.729 Correspondence and papers *re* Ph.D., 1925.
Includes Needham's list of chapters, marked as completed.
- A.730-A.763 CAREER, HONOURS AND AWARDS 1921-1993**
- A.730 Notifications of election to:
Fellowship of Cambridge Philosophical Society, 1922.
Physiological Society, 1924.
Aristotelian Society, 1925.
Society for Experimental Biology, 1927.
- A.731, A.732 Election to an Unofficial Fellowship, Gonville & Caius College Cambridge, 1924 and *re*-election 1927.
- A.731 Notification of elections, 1924 and 1927.
- A.732 Letters of congratulation 1924.
- A.733 Election to Fellowship of Royal Society of Medicine, 1924
Correspondence *re* election 1924 and invitation to join Section of Therapeutics and Pharmacology, 1927.

Biographical

- A.734 Offer of post as 'successor to Doctor Murray [at] Brynmawr' Pennsylvania, USA. 1926.
Telegram only.
- A.735 Acting Professorship of Physiology, Stanford University, California, USA, 1929.
Brief correspondence 1929.
- A.736 Application for Royal Society Smithson Fellowship, 14 November 1930.
Letter of rejection, 14 November 1930.
- A.737 Award of University of Cambridge D.Sc., 1932.
Correspondence and papers including letters of congratulation, 1932.
- A.738-A.740 Appointment as Sir William Dunn Reader in Biochemistry, 1933.
Needham was appointed Reader following the dismissal of J.B.S. Haldane from the Readership. Haldane had been named as a co-respondent in a divorce action.
- A.738 Manuscript note inscribed by Needham 'Written by Dophi while waiting to hear result of Readership election 28.2.33'; press-cuttings *re* Haldane's dismissal and Needham's appointment.
- A.739, A.740 Letters of congratulation, March-April 1933.
2 folders.
- A.741 Award of Gonville & Caius College Thruston Medal to Needham for *Chemical Embryology*, 1934.
Notification, 1934.
- A.742 Election as Corresponding Member of the French Société de Biologie, 1937.
Notification, 1937.

Biographical

- A.743 Election to Fellowship of the Royal Society, 1941.
Certificate.
- A.744 Election to Presidency of Gonville & Caius College, 1959.
Extract from Cambridge University Reporter, 14 October 1959; letters of congratulation.
- A.745 Award of Sir William Jones Memorial Medal of the Asiatic Society of Bengal, 1962.
Needham was unable to receive the Medal in person so it was collected on his behalf by S. Sen. However, the Medal was only delivered to him in 1967. See H.156.
Correspondence *re* award, 1962-1963, 1967; 2pp typescript of Needham's 'Words of thanks'; press-cuttings recording the award.
- A.746 Award of the George Sarton Medal of the History of Science Society, 1968.
Needham was presented with the award during the Twelfth International Congress of the History of Science, Paris, France, August 1968.
Correspondence and papers including 11pp manuscript draft and 6pp typescript copy of Needham's address on the reception of the Medal (in French and Chinese).
- A.747 Award of the Leonardo da Vinci Medal of the Society for the History of Technology, 1968.
The Medal was received on Needham's behalf by W.W. Nowinski.
Correspondence and papers including 11pp typescript biographical outline of Needham.
- A.748 Honorary Doctor of Letters, University of Hull, 1976.
Letter only, 13 April 1976.
- A.749 Election as Knight of Mark Twain, 1978.
Letter only, 14 September 1978.

Biographical

- A.750 Dexter Award of the History of Chemistry Division of the American Chemical Society, 1979.
- The Award was received on Needham's behalf by P. Rattansi.
- Correspondence and papers including 8pp photocopied typescript of Needham's address delivered at the award reception, and correspondence arising 1980-1982.
- A.751 Honorary Presidency of the Canadian College for Chinese Studies, Victoria, British Columbia, Canada, 1984.
- Correspondence, 1984.
- A.752 Award of the Bernal Prize of the Society for the Social Studies of Science, 1984.
- Correspondence and papers including Needham's manuscript notes for speech on receiving the prize, 1984.
- A.753 Election to Honorary Membership of the Deutsche Morgenländische Gesellschaft, 1986.
- Correspondence, 1986.
- A.754 Award of the Medal of the International Science Policy Foundation, 1987.
- Letter and programme *re* presentation, 1987.
- A.755 Election to Honorary Fellowship of Robinson College Cambridge, 1990.
- Brief correspondence, 1980
- A.756 Dinner to mark the fiftieth anniversary of Needham's election to the Fellowship of the Royal Society, 1991.
- Correspondence, 1991.

Biographical

A.764-A.778	Alicia Adelaide Needham (mother)	1894-1992
A.764	Postcards: Picture of A.A. Needham with Joseph as an infant. Advertising her 'Knitting War Song' ca 1914. Inviting contributions for her collection of 'Comforts for the troops'. All were later used by Needham for bibliographical references.	
A.765	Photograph album used by A.A. Needham for her 'spirit photographs'. Pasted to the inside cover is a note by A.A. Needham: 'The photographer [A.A. Needham] is an amateur. Knows not as yet how to develop or print and only began when she was told by Mediums that she was a Spirit Photographer about two years ago. Nobody is more astounded than herself!' The photographs are of various people and most purport to show psychic auras, lights, spirits etc. Labels pasted into the album identify the incidents photographed.	
A.766	Correspondence from A.A. Needham to Joseph Needham, 1924, 1929.	
A.767-A.772	'AAN royalties'. Contents of folder so inscribed divided into six for ease of reference: royalty statements and related correspondence 1948-1992.	
A.767	Correspondence with Inland Revenue and others re Estate of A.A. Needham and royalties accruing, 1948-1968.	
A.768	Statement of accounts from Estate of A.A. Needham, 1948-1952, and associated material.	
A.769	Royalty statements from Boosey and Hawkes Inc., New York, 1949-1960.	
A.770, A.771	Royalty statements from Boosey and Hawkes Ltd, London, 1967-1992. 2 folders.	

Biographical

- A.772 Correspondence *re* A.A. Needham, 1976, 1978.

Letter from P. Graves *re* broadcast on A.A. Needham on Irish radio, August 1976 and exchange of correspondence between Needham and D.R. Holdgate *re* A.A. Needham's songs, 1978.
- A.773-A.778 Printed song collections.
- A.773 *An Album of Twelve Hush-Songs* composed by Alicia Adelaide Needham, Boosey & Co., London, copyright 1897.
- A.774 *A Bunch of Shamrocks. Irish Song-Cycle for Four Solo Voices* composed by Alicia Adelaide Needham, Boosey & Co., London, copyright 1904.
- A.775 *Twelve Small Songs for Small People* by Alicia Adelaide Needham, Schott & Co., London, copyright 1904.

The songbook is dedicated 'To my darling baby Terence'.
- A.776 *Four Songs for Women Suffragists.* Music by Alicia Adelaide Needham, Houghton & Co., London, 1908.
- A.777 *A Bunch of Heather. Scottish Song-Cycle* by Alicia Adelaide Needham, Boosey & Co., London, 1910.
- A.778 *Army and Navy Song-Cycle.* Music composed by Alicia Adelaide Needham, Boosey & Co., London, copyright 1912.
- A.779, A.780 **Joseph Needham (father)** 1874, 1967
- A.779 Letter from J. Needham to Miss Winnie Needham, 11 January 1874
- A.779A Letters of condolence to Needham on the death of his father, August, September 1920.

Biographical

- A.780 Correspondence between Needham and the Vicar of Marchwood, Hampshire, *re* repair and maintenance of the grave of J. and A. A. Needham, 1967.
- A.781 John W. Montgomery (maternal grandfather) 1884**
- A.781 Album of press-cuttings kept by Montgomery 1864-1884. Indexed at front.
These articles, poems and miscellanea are probably those compiled or contributed by Montgomery to the regional press.
- A.782-A.791 Dorothy Mary Moyle Needham (first wife) 1923-1989**
- A.782, A.783 Letters of congratulation upon Needham's engagement to Dorothy M. Moyle, 1923.
2 folders.
- A.784 Letters from J.T. and E. Moyle (parents of Dorothy) *re* marriage plans, 1924.
- A.785-A.787 Correspondence between Needham and Dorothy, 1923-1979, n.d.
- A.785 1923, 1926-1949.
Postcard of 1923 from Needham to Moyle from Iona includes photographs.
- A.786 1959-1968.
- A.787 1970-1979, n.d.
- A.788 Personal correspondence to D.M.M. Needham, 1927-1973, n.d.
Chiefly postcards.
- A.789 Correspondence and papers *re* Will and Estate of D.M.M. Needham, 1968-1989.

Biographical

- A.790, A.791 Correspondence and papers *re* medical care of D.M.M. Needham, 1982-1986.
- A.790 1982-1984.
- A.791 1984-1986.
- A.792-A.805 Lu Gwei-Djen (second wife) 1947-1994**
- A.792 Postcards to Lu from Needham, 1947, 1954-1955.
- A.793-A.796 Postcards to Lu from other friends, 1949-1969.
The postcards 1949-1957 are addressed to Lu in Paris where she was working for the United Nations.
- A.793 1949-1951.
- A.794 1952-1953.
- A.795 1954-1955.
- A.796 1956-1957, 1968-1969.
- A.797 Correspondence to the Needhams from Lu, 1956-1972.
- A.798 Miscellaneous manuscript notes reflecting on the relationship between Needham and Lu.
- A.799 Exchange between Needham and *Who's Who* suggesting Lu be included in *Who's Who*, May 1979.

Biographical

- A.800-A.802 Marriage of Needham and Lu, 1989.
- A.800, A.801 Letters and cards of congratulation, 1989-1990.
2 folders.
- A.802 Cards of congratulation signed by those attending a private dinner and from
'Sherry party...at the SCR'.
- A.803-A.805 Death of Lu, November 1991.
- A.803 Letters of condolence and apologies for being unable to attend the memorial
service, 1992-1993.
- A.804 Order of service for Memorial Service, Robinson College Cambridge Chapel,
2 May 1992.
- A.805 Address by Needham at the memorial service, published as obituary of Lu in
The Caiian, November 1992, with 'The longer version with some suggested
cuts', 5pp typescript.
- A.806 Contents of Needham's envelope: miscellaneous biographical material: Lu's
Certificate of Naturalisation, 1967; Archbishop's License for marriage of
Needham and Lu, 1989; marriage certificate, 1989.
- A.807, A.808 Correspondence and papers *re* the Estate of Lu, 1991-1994.

Lu died intestate and her relatives in China queried the disposition of her
Estate.

2 folders.
- A.809 Elizabeth Anne Montgomery Wilson (cousin)**
- A.809 ?Visitors book.

In use 1912-ca 1921.

/...

Biographical

/... Signatories include King George V and Queen Mary (28 June 1912) and General Roberts and family

Pasted into the book towards the front is a slip of paper bearing the signatures of Kitchener and Baden-Powell (the latter dated 12 October 1900).

A.810-A.823 Family history 1926-1992, n.d.

Needham's interest in the history of his family was best evidenced in the late 1920s and early 1930s when he wrote to the periodical *Notes and Queries* requesting information and corresponded with other Needhams about family history.

A.810-A.818 Correspondence and papers 1926-1992, n.d.

A.810 1926-1927.

Includes extract from *Notes and Queries*, 3 December 1927 on Walter Needham FRS (d.1691).

A.811 1928.

Includes extract from *Notes and Queries*, 14 July 1928 on Walter Needham.

A.812 1929-1931.

A.813 1934, 1936.

A.814 1941-1949.

A.815 1953-1966.

A.816 1972, 1976, 1977.

Includes 6pp typescript on John Turberville Needham by R.H. Westbrook.

Biographical

A.817	1985, 1991-1992.
A.818	N.d.
A.819	Needham's general manuscript notes on family history.
A.820, A.821	Needham's manuscript notes on family history arranged by place or county. 2 folders.
A.822	Material <i>re</i> the Moyle family home at Trevissick, Cornwall: 2 photographs and manuscript sketch.
A.823	'JN's family tree'.
A.824-A.841A	PERSONAL CORRESPONDENCE 1923-1994
	A.824-A.841 Social and personal correspondence
	A.841A Adoption case
A.824-A.841	Social and personal correspondence 1923-1994
	The material includes postcards and greetings cards. Not all such material was retained with the collection; cards bearing only a salutation were returned to the Needham Research Institute.
A.824	1923-1929.
A.825	1930-1939.
A.826	1947, 1949.

Biographical

A.827	1950-1959.
A.828	1960-1965.
A.829	1966-1968.
A.830	1969.
A.831	1970-1972.
A.832	1973-1975.
A.833	1976-1979.
A.834	1980, 1981.
A.835	1982, 1983.
A.836	1984.
A.837	1985, 1986.
A.838	1987-1989.
A.839	1990, 1991.
A.840	1992-1994.

Biographical

A.841 N.d.

A.841A Adoption case 1951-1952

Needham was involved in trying to secure the adoption by a family in the United Kingdom of a child born to an English mother and a Chinese father.

A.841A Correspondence 1951-1952.

A.842-A.892 CLUBS, ASSOCIATIONS AND OTHER INTERESTS

A.842-A.859 Morris dancing
A.860-A.875 'Shantan Bailie school'
A.876-A.878 Wine
A.879-A.881 Railways
A.882-A.889 Clubs and societies
A.890-A.892 Charities

A.842-A.859 Morris dancing 1934-1993

See also F.448-F.461 of this catalogue.

A.842-A.851 The Morris Ring
A.852-A.854 Cambridge Morris Men
A.855-A.859 Tunes and dances

A.842-A.851 The Morris Ring 1934-1990

In 1933 the Cambridge Morris Men (see A.852-A.854 below), prompted by Needham who was then its 'Squire', suggested the establishment of a national Morris Dancing association. Five other Morris Dancing clubs were approached and in April 1934 the Morris Ring was instituted.

Biographical

- A.842-A.849 'Morris Ring'. Contents of Needham's extensively annotated envelope so titled.
- The contents relate to the history of the Morris Ring and seem to have been assembled for Needham's 1984 speech at the Golden Jubilee Dinner of the Ring (see A.850).
- The envelope itself bears Needham's notes relating to the establishment of the Morris Ring from *ca* 1934. It has been retained as A.842.
- A.842 Original envelope.
- A.843 Letters and manuscript note *re* formation of the Ring, May 1934.
- A.844 'Fifty Years of Morris Dancing 1899-1949', pamphlet in honour of Cecil Sharp, published by the Morris Ring, 1949.
- A.845 'Morris Dancing through London', souvenir programme marking the twenty-first anniversary of the Ring, 1955.
- A.846 'The Morris Dances of England', pamphlet published by the Morris Ring for the twenty-first anniversary, 1955.
- A.847 Letter from R. Wortley *re* the Morris Ring, enclosing Morris Ring circulars for 1955 and 1956, 28 February 1956.
- A.848 Correspondence and papers *re* the Golden Jubilee Dinner, Birmingham, 12 May 1984.
- Needham was a guest speaker (see A.850 below).
- Includes photocopied extracts from the Cambridge Morris Men Minute book *re* the establishment of the Ring.
- A.849 Manuscript printed and manuscript material.
- A.850 Manuscript and typescript draft, and 5pp typescript copy of Needham's speech at the Morris Ring Golden Jubilee Dinner, Birmingham, 12 May 1984.

Biographical

A.851 Correspondence *re* Morris dance, 1984, 1990.

A.852-A.854 Cambridge Morris Men 1934-1993

This was founded in 1924. Needham's friend C.H. Waddington was admitted the following year and Needham joined in 1931. He was Squire of the Cambridge Morris Men in 1933 and 1941.

For photographs during tours see A.1164-A.1177.

A.852 Tenth Anniversary brochure, April 1934.

A.853 Correspondence, 1969-1992.

A.854 Fiftieth Anniversary brochure, October 1974; menus for Feasts, 1985 and 1993.

A.855-A.859 Tunes and dances

Contents of Needham's envelopes containing principally manuscript notes of tunes (?on the accordion)

A.855 'Morris Tunes JN'. Contents of Needham's notebook and loose material found in envelope. Chiefly manuscript notes of tunes.

The notebook binding had disintegrated and the pages and covers were loose within the envelope.

A.856-A.859 Contents of Needham's envelope divided into four for ease of reference: chiefly manuscript notes of tunes.

A.860-A.875 'Shantan Bailie school' 1946-1951

Contents of Needham's folder so inscribed.

/...

Biographical

/...

The Bailie schools were started with international support to train Chinese students in agricultural and other techniques. The Bailie school at Shantan was established by Rewi Alley after the pupils of the Shuangshipsu Bailie School fleeing from the Japanese arrived in Shantan in 1944. It was a technical and agricultural training school for Chinese co-operatives. In the late 1940s all the Bailie schools were amalgamated at Shantan.

The Shantan Bailie School was principally supported by INDUSCO, Inc (the American Committee in Aid of Chinese Industrial Cooperatives). Rewi Alley was Headmaster of the School.

A.860 Correspondence, chiefly from Alley to Needham *re* situation in Shantan, 1946-1951.

A.861, A.862 INDUSCO Bulletins 1946-1951.

Not a complete sequence.

The Bulletins report support given by INDUSCO to Chinese cooperatives, including the Bailie schools.

2 folders.

A.863, A.864 School newsletters, 1949-1950.

2 folders.

A.865-A.868 Printed material.

A.865 'Shantan Bailie School 1948'.

A.866 'Shantan Bailie School 1949'.

A.867 Chinese language booklet with 'Description of the Bailie School of the Chinese Industrial Cooperatives at Shantan, Kansu'. 1949.

An annotation by Alley on the front cover explains that the booklet was printed on home-made paper by the School for information for the People's Liberation Army when they captured Shantan in September 1949.

Biographical

- A.868 'Training Rural Leaders: An FAO Study', published by the Food and Agriculture Organisation of the UN, 1949.
The book describes the work of the Shantan Bailie School.
- A.869 Typescript and duplicated typescript material 1949-1951.
Includes 'Memorandum on Sandan Bailie School Dec 2nd 1949', 1p typescript.
- A.870 Duplicated typescript reports from C.W. Chang, FAO Asia and Far East Agriculture Officer, ca 1950.
- A.871, A.872 Plans and maps of Shantan by W.B. Harland, 1945.
- A.871 'Shantan Geological Structure'; 'Shantan Compass Triangulation'; 'Shantan Topographical Detail'.
- A.872 'Shantan Economic Analysis'; Shantan geological survey; 'Lanchow Bailie School Compass Sketch 1945'.
- A.873-A.875 'Boys'. Contents of Needham's folder so inscribed: correspondence 1947-1950.
In 1947 two pupils from the Shantan Bailie School, Sun Kuang-Chün and Wang Wen-Sheng were sent to UK for training in methods of textile manufacture. Their visit was funded by British United Aid to China.
The correspondence relates to Needham's efforts to find them accommodation and suitable work experience. They returned to China in 1950.
- A.873 1947-1948.
- A.874 1949 January - April.
- A.875 1949 May-December, 1950.

Biographical

- | A.876-A.878 | Wine | 1954-1982 |
|--------------------|--|------------------|
| A.876 | Rules of International Exhibition Co-operative Wine Society Ltd, with Needham's membership card, 1954. | |
| A.877 | International Exhibition Co-operative Wine Society Ltd order book, used 1956-1967, 1982. | |
| A.878 | Wine Society order book, used 1967-1975, with loose notes 1970s at front. | |
| A.879-A.881 | Railways | 1972-1994 |
| A.879 | Agenda of the AGM of the Railway Preservation Society, 23 September 1972. | |
| A.880 | Cambridge University Railway Club material, 1989-1994. | |
| A.881 | Agenda and papers for the AGM of Severn Valley Railway (Holdings) plc, 19 August 1994. | |
| A.882-A.889 | Clubs and societies | |
| | In alphabetical order. | |
| A.882 | Hamerton Wildlife Centre, Huntingdon
Response to appeal, 1992. | |
| A.883 | The Newcomen Society
Response to appeal 1991. | |

Biographical

- A.892 Schizophrenia Association of Great Britain, 1984.
 Shelter, 1991.
 Viva Trust, 1977.

A.893-A.948

DIARIES

1933-1995

With the exception of A.897 (1944) these are pocket diaries 1933-1934 to 1994-1995.

Some have intercalated notes loose.

- A.893 1933-1934.

- A.894 1936-1937.

- A.895 1937-1938.

- A.896 1941-1942.

- A.897 1944.
 Indian diary.

- A.898 1945.
 Diary produced for the 220th Anniversary of the Academy of Sciences of the USSR.

Needham attended the Anniversary proceedings in Moscow. See H.51-H.56 of this catalogue.

- A.899 1946.

Biographical

A.900	1947. French diary.
A.901	1947-1948.
A.902	1948-1949.
A.903	1949-1950.
A.904	1950-1951.
A.905	1951-1952.
A.906	1952-1953.
A.907	1953-1954.
A.908	1954-1955.
A.909	1955-1956.
A.910	1956-1957.
A.911	1957-1958.
A.912	1958-1959.
A.913	1959-1960.

Biographical

A.914	1960-1961.
A.915	1961-1962.
A.916	1962-1963.
A.917	1963-1964.
A.918	1964-1965.
A.919	1965-1966.
A.920	1966-1967.
A.921	1967-1968.
A.922	1968-1969.
A.923	1969-1970.
A.924	1970-1971.
A.925	1971-1972.
A.926	1972-1973.
A.927	1973-1974.

Biographical

A.928	1974-1975.
A.929	1975-1976.
A.930	1976-1977.
A.931	1977-1978.
A.932	1978-1979.
A.933	1979-1980.
A.934	1980-1981.
A.935	1981-1982.
A.936	1982-1983.
A.937	1983-1984.
A.938	1984-1985.
A.939	1985-1986.
A.940	1986-1987.
A.941	1987-1988.

Biographical

A.942 1988-1989.

A.943 1989-1990.

A.944 1990-1991.

A.945 1991-1992.

A.946 1992-1993.

A.947 1993-1994.

A.948 1994-1995.

A.949-A.1050 HOLIDAYS 1921-1989

The material is correspondence and papers relating to holidays taken by Needham, alone or with Dorothy Needham or Lu Gwei-Djen or both, for all or part of the trip. Sometimes Muriel Moyle (Dorothy's sister) was also a member of the holiday party. The material is arranged in a chronological order, with a little miscellaneous holiday memorabilia at A.1046-A.1050.

See also section H, Visits and conferences.

A.949-A.1045 Chronological sequence.

A.949 Coates, Cirencester, Gloucestershire, July 1937.
Letter to Needham *re* accommodation, June 1937.

A.950 Solva, Haverfordwest, Pembrokeshire, 1938.
Letter to Needham *re* possible accommodation, March 1938.

Biographical

- A.951 Bala, North Wales, April 1939.
Bill for 9-10 April.
- A.952 Gloucestershire and Dorset, May 1939.
Letters to Needham *re* accommodation, March 1939.
- A.953 Haverfordwest, Pembrokeshire, July 1940.
Letters to Needham *re* accommodation, March, April 1940.
- A.954 Aberdeen, 14-16 June 1941.
Bill from Imperial Hotel; publicity booklet *re* Imperial Hotel annotated by Needham on front cover.
- A.955 France, July 1948.
Manuscript itinerary; memorabilia.
- A.956 Italy, 19 June-6 July 1949.
Typescript 'Log'; memorabilia.
- A.957 'GD & J Provence and Languedoc 1950 Aug'. Contents of Needham's folder so inscribed.

Letter to Needham *re* arrangements, July 1950; manuscript and typescript notes; correspondence from Dorothy Needham in Cambridge to Needham, in France, August 1950.
- A.958 Woodbridge, Suffolk, 17-19 March 1951.
Hotel bill.

Biographical

- A.959-A.961 France, June-August 1951.
Contents of Needham's envelope divided into three for ease of reference.
- A.959 Correspondence *re* arrangements; manuscript notes; memorabilia.
- A.960 Correspondence from Dorothy Needham in Cambridge to Needham in France, June-August 1951.
- A.961 Postcards from Needham to Dorothy Needham, August 1951.
- A.962 Streatley, Berkshire, 27-28 September 1955.
Hotel bill and publicity booklet.
- A.963-A.966 'Summer 1956 general - Belgium, France, Luxembourg, W Germany, France, Switzerland, Italy, Switzerland, France'. Contents of Needham's folder so inscribed divided into four for ease of reference.
- A.963 Correspondence with L. Rajchmann *re* holiday arrangements, October 1955-May 1956.
Needham stayed with the Rajchmanns at their home in Chenu, France.
- A.964 Letters from Lu to the Needhams, May 1956.
- A.965 Typescript 'Log of tour in West Germany GD & J'; annotated street map of Augsburg; manuscript notes.
- A.966 Correspondence to Needham from Dorothy Needham in Cambridge, July-August 1956.
- A.967 'Italy 1956'. Contents of Needham's folder: correspondence *re* arrangements, March-August 1956.

Biographical

- A.968 Kent and Sussex, April 1957.
Letters to Needham *re* accommodation; hotel bills and brochure; memorabilia.
- A.969-A.971 Yugoslavia, July 1957.
- A.969 Correspondence *re* arrangements and arising, April - September 1957.
- A.970 Softback pocket notebook used by Dorothy Needham as diary 1-14 July 1957.
- A.971 Printed memorabilia: Guide to Dubrovnik and programme for 1957 Dubrovnik Summer Festival.
- A.972 Channel Islands, ?summer 1959.
Letters to Needham *re* accommodation, March 1959.
- A.973, A.974 Italy, September 1959.
- A.973 Correspondence *re* arrangements, March-September 1959.
- A.974 Manuscript itinerary; memorabilia.
- A.975 Woodbridge, Suffolk, 8-11 July 1960.
Hotel bill and brochure.
- A.976-A.979 Spain and Portugal, August, September 1960.
Needham travelled to Portugal for the International Congress of Great Historical Geographical Discoveries held in Lisbon. He combined this with a holiday.
- A.976 Correspondence *re* arrangements, January - September 1960.

Biographical

- A.977 Letters to Needham from Dorothy Needham and Lu (in Cambridge), June, August, September 1960.
- A.978 Manuscript notes.
- A.979 Literature from Appeal for Amnesty in Spain, 1960.
Found with preceding material.
- A.980 Portmeirion, Merionethshire, April 1961.
Correspondence *re* arrangements and arising, March-June 1961; annotated map of Portmeirion.
- A.981 Streatley, Berkshire, 6-8 July 1961.
Hotel bill and brochure.
- A.982-A.986 Yugoslavia, 25 July - 31 August 1961.
This holiday was arranged through the Anglo Yugoslav Travel Service.
- A.982 Correspondence *re* arrangements, April - August 1961.
- A.983 Annotated itineraries.
- A.984 Manuscript notes.
- A.985 Annotated memorabilia.
- A.986 Correspondence arising, August-December 1961.
Includes 17pp typescript report to Anglo Yugoslav Travel Service, 26 September 1961.

Biographical

- A.987 Scilly Isles, 24-31 March 1962.

Hotel bills.
- A.988 Chenu, Sarthe, France, 30 March - 6 April 1965.

Correspondence *re* arrangements, February - March 1965; card from Needham to Lu (in Cambridge), April 1965.
- A.989 Portmeirion, Merionethshire, 8-13 April 1965.

Correspondence *re* arrangements.
- A.990 South of France, June-July 1966

Manuscript itinerary; correspondence between Needham and Dorothy Needham (in Cambridge), June-July 1966; letter *re* arrangements July 1966.
- A.991, A.992 Greece, September 1966.
- A.991 Correspondence *re* arrangements, July-September 1966.
- A.992 Correspondence to the Needhams from Lu (in Cambridge), September 1966.
- A.993 'Easter 67 Portmeirion and Chenu [France]'. Contents of Needham's folder so inscribed.

Letter *re* accommodation at Portmeirion, February 1967; correspondence to Needham (?in Portmeirion) from Dorothy Needham (in Cambridge), March 1967; letter to the Needhams (in France) from Lu (in Cambridge), April 1967; annotated memorabilia from Lisieux, France.
- A.994 South of France, August 1967.

Correspondence *re* arrangements, August 1967; manuscript itinerary and notes on hotels; correspondence to Needham from Dorothy Needham (in Cambridge), August 1967.

Biographical

- A.995-A.997 Malta, 5-20 September 1967.
- A.995 Correspondence *re* arrangements, July 1967; manuscript itinerary.
- A.996 Correspondence from Lu (in Cambridge) to the Needhams, September 1967.
- A.997 Correspondence arising, September - December 1967.
- A.998 Correspondence with H. Frost, found with preceding material, May 1967 - January 1968.

Honor Frost was an archaeologist working in the eastern Mediterranean. The Needhams stayed at her home in Malta.
- A.999 Portmeirion, Merionethshire, April 1968.

Letters *re* arrangements, February 1968; manuscript itinerary; bill; correspondence to Needham from Dorothy Needham (in Cambridge), April 1968.
- A.1000 Chenu, Sarthe, France, April 1968.

Letters *re* arrangements, April 1968.
- A.1001, A.1002 'Summer 68 Biarritz Burgos-Tarragona Narbonne Paris XIIth ICHoS Albas-Milano Bellagio (Taoism Conf) back via Amsterdam'. Contents of Needham's folder so inscribed divided into two for ease of reference.
- A.1001 Correspondence *re* arrangements, May-September 1968.
- A.1002 Correspondence to Needham from Dorothy Needham (in Cambridge), August 1968; correspondence to the Needhams from Lu (in Cambridge), September 1968.
- A.1003 Tunisia, March-April 1969.

Letters *re* arrangements, March-April 1969; hotel bills.

Biographical

- A.1004-A.1008 '1969 Florence Elba Esterel Gémenos Albas'. Contents of Needham's folder so inscribed divided into five for ease of reference.
- A.1004 Correspondence *re* arrangements, April-July 1969.
- A.1005 Correspondence to Needham from Dorothy Needham (in Cambridge), June 1969.
- A.1006 Postcards to Dorothy Needham from Needham, June-July 1969.
- A.1007 Correspondence to the Needhams from Lu, July 1969.
- A.1008 Manuscript notes; annotated memorabilia.
- A.1009 Portmeirion, Merionethshire, 26 March - 3 April 1970.
Correspondence *re* accommodation, February 1970; correspondence to Needham from Dorothy Needham (in Cambridge), March 1970.
- A.1010 Chenu, France, April 1970.
Correspondence *re* arrangements, March-April 1970.
- A.1011, A.1012 Malta, 4-18 September 1970.
- A.1011 Correspondence *re* arrangements, May-September 1970; manuscript itinerary.
- A.1012 Correspondence with H. Frost and others, June 1969 - September 1970.
As in 1968, the Needhams stayed at her home in Malta.

Biographical

- A.1013-A.1015 Albas, France, September 1970.
- A.1013 Correspondence *re* arrangements with C. Curwen and others,
The Needhams, Lu and M. Moyle stayed at the home of the Curwens in Albas.
- A.1014 Annotated memorabilia.
- A.1015 Letters to the Needhams from Lu and Moyle, Spetember 1970.
- A.1016 Chenu, France, April 1971.
Correspondence to the Needhams from Lu (in London), April 1971.
- A.1017 Portmeirion, Merionethshire, 14-22 March 1972.
Letter *re* accommodation, January 1972; hotel bill; letters to Needham from Dorothy Needham (in Cambridge), March 1972.
- A.1018 Tan-y-Grisiau and Portmeirion, Merionethshire, 9-20 April 1973.
Correspondence *re* arrangements, January - April 1973; letters to Needham from Dorothy Needham (in Cambridge), April 1973.
- A.1019 Albas, France, July 1973.
Correspondence *re* arrangements, April-June 1973; correspondence to Needham from Lu (in London), July 1973.
- A.1020-A.1022 Italy, September 1973.
- A.1020 Correspondence with the Abses *re* accommodation and arising, February 1973 - April 1974.
Needham stayed at the holiday home of Leo and Marjorie Abse near Pisa.
- A.1021 Other correspondence *re* arrangements, August 1973; manuscript itinerary.

Biographical

- A.1022 Correspondence to Needham from Dorothy Needham (in Cambridge), September 1973.
- A.1023 Portmeirion, Merionethshire, 16-24 March 1974.
Correspondence *re* accommodation, February 1974; letter to Needham from Dorothy Needham (in Cambridge), March 1974.
- A.1024, A.1025 Paris, France and Venice, Italy, 27 March - 12 April 1974.
- A.1024 Correspondence *re* arrangements, February - March 1974.
- A.1025 Correspondence to the Needhams from Lu (in Cambridge), March 1974.
- A.1026-A.1028 Malta, September 1974.
- A.1026 Correspondence with H. Frost and others *re* accommodation, July - September 1974.
As in 1968 and 1970, the Needhams stayed at her home in Malta.
- A.1027 Correspondence *re* other arrangements, July - October 1974.
- A.1028 Memorabilia.
- A.1029 Hartland, Bideford, Devon, September 1974.
Correspondence *re* accommodation, July 1974.
- A.1030 Toronto, Canada, 7-23 December 1974.
Correspondence *re* travel arrangements, September - November 1974.

Biographical

- A.1031 Portmeirion, Merionethshire, March - April 1975.
Correspondence *re* arrangements, February - March 1975; correspondence to Needham from Dorothy Needham (in Cambridge), April 1975.
- A.1032, A.1033 Malta and Sicily, September 1975.
Needham visited Malta and went on to Sicily before returning to Malta.
- A.1032 Correspondence with H. Frost *re* arrangements, April-October 1975.
- A.1033 Correspondence with others *re* arrangements, May - August 1975; manuscript itinerary and notes.
- A.1034 Portmeirion, Merionethshire, 27 March - 3 April 1976.
Letter *re* accommodation, February 1976; correspondence to Needham from Dorothy Needham (in Cambridge), March-April 1976.
- A.1035 Treco, Scilly Isles, April 1976.
Correspondence *re* accommodation, March 1976; manuscript itinerary; letter to the Needhams from Lu (in Cambridge), April 1976.
- A.1036 Portmeirion, Merionethshire, April 1977.
Letter *re* accommodation, March 1977; letter to Needham from Dorothy Needham (in Cambridge), March 1977.
- A.1037 Sweden, September - October 1977.
Correspondence *re* arrangements, August - October 1977; manuscript itinerary.
- A.1038 Greece, June 1978.
Correspondence *re* arrangements, March - June 1978; manuscript itinerary; annotated map of Athens.

Biographical

- A.1039 West Sussex, September 1979.
Correspondence *re* accommodation, February - September 1979.
- A.1040 Welsh borders, April 1980.
Correspondence *re* accommodation, March - April 1980; manuscript itinerary.
- A.1041 Orford, Suffolk, 12-14 April 1981.
Correspondence *re* accommodation, March 1981.
- A.1042 Scotland, July 1981.
Correspondence *re* arrangements, May - August 1981; manuscript itinerary.
- A.1043 Scotland, September 1982.
Correspondence *re* accommodation, May - June 1982; manuscript itinerary; letter to the Needhams from Lu, September 1982.
- A.1044 Portmeirion, Merionethshire, September - October 1983.
Correspondence *re* accommodation, April - July 1983.
- A.1045 Cranbrook, Kent, 13-16 April 1989.
Letter *re* arrangements.
- A.1046-A.1050 Miscellaneous holiday memorabilia.
- A.1046 Manuscript notes on hotels etc. ?Pre-1939.
- A.1047 Manuscript notes on churches visited. ?Pre-1939.

Biographical

A.1048-A.1050 Annotated guides to churches etc.

A.1048 Visits dated 1921-1954.

A.1049 Undated UK.

A.1050 Undated foreign.

A.1051-A.1061 SOCIAL ENGAGEMENTS AND INVITATIONS 1927-1975

In chronological order.

A.1051 Menu and seating plan for Hibbert Trust dinner, 24 June 1927.

A.1052 Invitation to Reception at USSR Embassy, London for delegates to 2nd International Congress of the History of Science and Technology, 6 July 1931.

A.1053 Menu for Royal Society Club dinner, 25 February 1932, annotated by Needham with seating plan of those present.

A.1054 Extensively annotated programme for evening entertainment by the Yugoslav National Songs and Dances Ensemble, 19 January 1962.

This was sponsored by the Cambridge International Centre and University Slavonic Society.

A.1055 Invitations and manuscript lists of those invited to house-warming parties, Master's Lodge, Gonville and Caius College Cambridge, November 1966 - January 1967.

On appointment as Master of the College the Needhams held a series of such parties in the Lodge.

Biographical

- A.1056 Manuscript notes for 'Lattimore dinner', 7 March 1970.
Dinner hosted by the Needhams for Owen Lattimore.
- A.1057 Annotated seating plan for 'Norfolk Commemoration', 8 February 1973.
- A.1058 Correspondence *re* arrangements for 90th birthday celebrations of Sir Clough Williams Ellis.

Ellis was the architect and founder of the town of Portmeirion, Merionethshire. Needham spent many spring holidays at the town.
- A.1059 Manuscript list of possible guests for 'Aunt Violet's Apotheosis', 30 November 1974.
- A.1060 Manuscript lists of possible invitees for 'The Orgy! 1975'.
- A.1061 Needham's 2pp typescript speech at Wedding of Jane Lamb and Francis Sachs, 27 March 1975, letter of thanks, 14 May 1975.
- A.1062-A.1083 FINANCIAL 1923-1994**
- A.1062-A.1066 General financial correspondence and papers, 1923-1994.
Includes material relating to Dorothy Needham.
- A.1062 1923, 1924, 1930-1933.
Includes material *re* Will of J. Needham (father).
- A.1063 1937-1940.

Includes material *re* Estates of Mrs E. Moyle, Miss H.W. Moyle and Miss E. Davies.
- A.1064 1946-1959.

Biographical

A.1065	1976-1988.
A.1066	1990-1994, n.d.
A.1067-A.1070	Correspondence with accountant <i>re</i> personal financial affairs of the Needhams, 1958-1989. Needham sent annual letters to his accountant detailing earnings and certain outgoings alongside letters on the financial situation of the Science and Civilisation in China project (see A.1071, A.1072 below).
A.1067	1958-1964.
A.1068	1965-1970.
A.1069	1972-1982.
A.1070	1983-1989.
A.1071, A.1072	Correspondence with accountant <i>re</i> financial affairs of the Science and Civilisation in China project, 1956-1961.
A.1071	1956, 1957.
A.1072	1958-1961.
A.1073, A.1074	Lists of securities and investments, 1950-1993.
A.1073	1950, 1955, 1959, 1971.
A.1074	1991, 1993.

Biographical

- A.1075 Needham's index cards used to record share prices and other financial information, *ca* 1960 - *ca* 1977.
- A.1076 Lists of the Needhams' standing orders for subscriptions and donations, 1952, 1953, 1961.
- A.1076A-A.1083 Property in Cambridge owned or rented by the Needhams.
- A.1076A 31 Thompson's Lane, Cambridge
Correspondence, 1924; Agreement to Hire for 1924-1927.
- A.1077 Clements End, Conduit Head Road.
Agreement *re* electricity cable-laying, 1928.
- A.1078, A.1079 Grange Croft, 42 Grange Road.
The leasehold was bought at auction in 1972 and sold to Selwyn College Cambridge in 1989.
Correspondence and papers 1972-1989.
2 folders.
- A.1080-A.1082 2 Sylvester Road.
This house lay in the grounds of and was held by the Needham Research Institute. It was redeveloped as a home for Needham and Lu in 1988-1989.
- A.1080, A.1081 Minutes of meetings and papers of No. 2 Sylvester Road Sub-Committee of the Needham Research Institute Management Committee, 1988-1989.
2 folders.
- A.1082 Plans of the property.

Biographical

- A.1083 28 Owlstone Road.

This was owned by Lu Gwei-Djen and passed to Needham on her death.

Correspondence and papers 1992-1994.
- A.1084-A.1107 MISCELLANEOUS 1915- ca 1960s**
- A.1084 Needham's Commonplace Book 1915-[ca 1940].

Used for cuttings, manuscript notes etc.
- A.1085 Needham's Commonplace Book ca 1942 - ca 1946.

Most pages not used.
- A.1086-A.1089 Songs, poems etc. kept by Needham.
- A.1086, A.1087 Manuscript.
- A.1088, A.1089 Typescript.

Some on rice paper.

2 folders.
- A.1090 'Maps of Islands. Done about 1920-1930'.

Needham's ink hand-drawn maps of Iona, Lincoln Island, Coral Island, Hven, Easter Island, Dinsul (St Michael's Mount), and the isle of Queen Circe, and a copy of map used by Christopher Columbus.

Used as backing for the maps is a mounted photograph of Christ's College Cambridge Biochemistry Group 1958, with Joseph and Dorothy Needham featured as Guest Lecturers.

Biographical

- A.1090A Needham's colour paintings of shields. ?ca 1920s.
- The paintings are on paper. They include the Knights Templars, the Middle Temple, Dulwich College, Aberdeen University and the Cambridge University School of Physic.
- A.1091 Needham's ink hand-drawn picture featuring himself and Dorothy Needham at their bookshelves.
- This was the original for printed book plates for books 'Ex libris Joseph et Dorothy Needham'.
- A.1092 Portfolio of watercolour paintings.
- A.1093 Artists sketch book, first few pages only used.
- A.1094 Cartoon of Needham, ca 1920s.
- A.1095 'Solomon's House on Hveen like Uranborg doodle in Coll. Council mtg 19 Jan 62'.
- A.1096-A.1102 Notebooks
- A.1096 Pocket notebook inscribed inside front cover 'People to be visited in the Vac. N.J.T.M. Needham 28.XII.'21'.
- A.1097 Pocket notebook used for list of plays, each given a number and a mark by Needham, 1926-1932.
- A.1098 Notebook inscribed inside front cover 'Thesaurus recordorum gramophonorum Joespho et Dorotheo Needham appartinentorum', used ca 1930.
- A.1099 Pocket notebook inscribed inside front cover 'Reprint mailing list'.

Biographical

A.1108-A.1220 PHOTOGRAPHS *ca* 1870s-1992

The Needhams kept many hundreds of photographs. The bulk were returned to the Needham Research Institute.

Many bear inscriptions on the verso.

A.1108-A.1163	Photographs of Needham
A.1164-A.1177	Photographs of the Cambridge Morris Men
A.1178-A.1195	Photographs of family
A.1196-A.1211	Photographs of friends and colleagues
A.1212-A.1220	Miscellaneous photographs

A.1108-A.1163 Photographs of Needham 1902-1992

A.1108 Inscribed on verso 'Joseph Needham aet 2½ 1902'.

A.1109 Contents of envelope inscribed 'Oundle'.
Photographs of Needham and others at Oundle School, *ca* 1914-1917.

A.1110 Photograph of Needham in a monastic-style habit
Probably as a member of the Oratory of the Good Shepherd *ca* 1920 - *ca* 1921.

A.1111 Group photograph inscribed on verso 'Caius Nat Science May 1921'.
Features Needham in middle row.

A.1112 Group photograph inscribed on verso 'Caius Natural Science May 23'.
Features Needham in front row.

Biographical

- A.1113 Inscribed on verso 'JN and DN in the Cambridge Biochemical Laboratory ca. 1927'.
- A.1114 Inscribed on verso 'at Minehead Christmas 1928 taken by AAN'.
- A.1115 Two photographs of Needham on visit to USA, 1929.
- A.1116 Inscribed on verso 'explaining the history of the College to Prof and Mrs Storer of California & Dr and Mrs Novinsky and Dr Infeld (Poland) June 1934'.
- A.1117 Two photographs of the Needhams, August 1934.
- A.1118 Inscribed on verso 'at Oberlin [Ohio, USA]'.
- A.1119, A.1120 Contents of Needham's envelope inscribed 'Poland & Russia 1935'.
- Needham was attending the Fifteenth International Physiological Congress in the USSR and travelled via Poland. See H.14-H.17 of the previous catalogue.
- Photographs of sights, of the Needhams and others.
- A.1119 14 photographs.
- A.1120 4 photographs.
- A.1121, A.1122 Photographs of Needham taken by Lettice Ramsay 1935.
- A.1121 Three sheets of photographs sent to Needham from the original negatives at his request in 1981.
- A.1122 4 unmounted and 1 mounted prints.

Biographical

- A.1123 Inscribed on verso 'JN & DMN Biochemical Lab Cambridge *ca.* 1935'.
- A.1124 Inscribed on verso 'Taken by Alexis Romanov Sept 1936'.
- A.1125 Inscribed on verso 'C H Waddington [...] and Joseph Needham working together in the Zool. Lab. Cambridge *ca.* 1936'.
- A.1126 Inscribed on verso 'JN@ Los Angeles 1939'.
- A.1127 Eight photographs of Needham in Chinese ?Army uniform and in robe, *ca* 1942-1946.
- A.1128 Photograph of Needham in Washington D.C., USA, *ca* 1942-1946.
- A.1129 Four photographs of Needham in Washington D.C., USA, *ca* 1945.
Colour photographs.
- A.1130 Photograph of Needham with B. Marza, Brussels, Belgium, March 1948.
- A.1131 Inscribed on verso '25 April 1948 Before drive to Paris in 1 Owlstone Rd, Cambridge. To commemorate a historical coupled F.R.S. (Joseph and Dophi)'.
- A.1132 Two photographs of procession from the Church following the wedding at Thaxted Church, Essex of Hsieh Hsi-teh and Tsao Tien-chin, 1952.
Includes Needham.
- A.1133 Two photographs of Needham receiving Newcomen Award, ?1956.
- A.1134 Inscribed on verso '*ca.* 1958'.

Biographical

- A.1135 Inscribed on verso 'July 1963 in Caius College Library'.
- A.1136 Photograph from envelope inscribed 'this is the best of the Polyfoto set *ca* 1963'.
- A.1137 Inscribed on verso 'at a session of the XIth Internat. Congress of the History of Science, Warsaw 1965'.
- A.1138 Six photographs taken on Needham's election as Master of Gonville and Caius College, Cambridge, *ca* 1965.
- A.1139 The Needhams, 1968.
Colour photograph.
- A.1140 Needham lecturing, *ca* 1960s.
- A.1141 Inscribed on verso, '*ca.* 1970'.
- A.1142 Inscribed on verso 'Bernal Lectures Birkbeck Coll 71'.
- A.1143 The Needhams at Cambridge railway station, December 1972.
- A.1144 Inscribed on verso '*ca* 1972'.
- A.1145 At ninth Congres de l'Academie Internationale de Medecine Legale et de Medecine Sociale, Rome, Italy, 23-28 September 1973.
- A.1146 Two enlargements of passport photographs, February 1975.
- A.1147 Inscribed on verso '*ca* 1975.

Biographical

- A.1148 Inscribed on verso 'D.Litt at Salford 1976'.
Colour photograph.
- A.1149 Five photographs taken in Lodge Gardens in the last year of Needham's
Mastership.
- A.1150 Four photographs of Needham at East Asian History of Science Library, July
1978.
Colour photographs.
- A.1151 Inscribed on verso 'Joseph Needham at EAHoSL ca 1979'.
- A.1152 Three photographs of Needham at Europe-China Association meeting, July
1980.
Two are colour photographs.
- A.1153 Mounted photograph inscribed on verso 'ca 1980'.
Colour photograph.
- A.1154 Three monochrome and four colour photographs of Needham, 1982.
- A.1155 Photograph of Needham taken for article in the *Sunday Times* colour
supplement, May 1987.
Colour photograph.
- A.1156 Inscribed on verso 'Dr Joseph Needham. May 1989. (Needham Research
Institute)'.
Colour photograph.

Biographical

- A.1157 Two photographs of Needham *ca* 1990.
The photographs mark his 90th birthday
Colour photographs.
- A.1158 Two photographs taken at Needham's wedding to Lu, 1991.
Colour photographs.
- A.1159 Inscribed on verso 'in the Common Room at Nathan's tea party 1991'.
- A.1160 Mounted photographs from Needham's investiture as Companion of Honour, 1992.
- A.1161-A.1163 Photographs of likenesses of Needham.
- A.1161 Photograph of pencil sketch at First General Conference of UNESCO, Paris, France, 1946.
- A.1162 Photograph of mask of Needham being prepared for bust of Needham (used as postcard), 1987.
- A.1163 Photograph of painting of Needham for the Needham Research Institute.
- A.1164-A.1177 Photographs of the Cambridge Morris Men 1929-1937**
- Needham joined the Cambridge Morris Men in 1931. See A.852-A.854 above.
- A.1164 West Hoathly, Sussex, Christmas 1929.
Photograph; postcard.
- A.1165 English Folk Song and Dance Society, Malvern, 1930.
1 photograph.

Biographical

- | | |
|---------------|--|
| A.1166 | Eighth (Devon) Tour, 1930.
8 photographs; manuscript plan of camp. |
| A.1167-A.1168 | Ninth (Cotswold) Tour, 1931.
Inscribed with name of village or town on verso. |
| A.1167 | B, C.
14 photographs. |
| A.1168 | F-S.
17 photographs. |
| A.1169 | Sherborne school and Dorset Tour 1931.
11 photographs. |
| A.1170-A.1173 | Tenth (Herefordshire and Shropshire) Tour, 1932.
Inscribed with name of village or town on verso. |
| A.1170 | A-G.
7 photographs. |
| A.1171 | L.
11 photographs. |
| A.1172 | M.
8 photographs. |
| A.1173 | O-W.
12 photographs. |

Biographical

- A.1182 Inscribed on verso 'Dr Dorothy Needham in a laboratory at Mainz Germany
ca 1960'.
- A.1183 Two undated photographs of Dorothy Needham.
- A.1184, A.1185 Lu Gwei-Djen (second wife)
- A.1184 Inscribed on verso 'Dr Lu Gwei-Djen on Roxalpe Austria 1965'
- Inscribed on verso 'GDL Elba 1968 or 1969'.
- A.1185 Plaque *re* Lu's ashes, in garden of the Needham Research Institute, *ca*
1991.
- 2 photographs.
- A.1186-A.1189 Joseph Needham (father)
- A.1186 In University robes of Bachelor of Medicine, *ca* 1870s.
- A.1187 In Royal Army Medical Corps uniform during First World War.
- Joseph Needham was on the staff of the King George Hospital, London.
- 4 photographs.
- A.1188 In surgical clothing as anaesthetist.
- 3 photographs.
- A.1189 In car ?outside family home.
- A.1190, A.1191 Alicia Adelaide Needham (mother)
- A.1190 In nurse's uniform, n.d.

Biographical

- A.1191 Photographs of A.A. Needham.
Taken by Needham in various towns. ?1920s
5 photographs.
- A.1192 Joseph Needham (paternal grandfather)
1 photograph.
- A.1193 Elizabeth Anne Montgomery Wilson (cousin)
Photograph of Wilson in nurse's uniform.
- A.1194 John and Ellen Moyle (parents-in-law)
1 photograph.
- A.1195 Lu M-u-Ting (father-in-law)
He was the father of Lu Gwei-Djen.
2 photographs, Nanking, 1946.
- A.1196-A.1211 Photographs of friends and colleagues**
- A.1196-A.1208 Individuals
Arranged in alphabetical order. Most are undated.
- A.1196 Alley, R.
Baldwin, E.H.F.
Barber, D.R., 1940.
Bell, D.J.

Biographical

- A.1197 Bernal, 1935. (2 photographs).
Broadbent, B.
Callow, E.H. and Mrs Callow (2 photographs).
- A.1198 Cole, S.W., *ca* 1899.
Coard, Miss
Crowfoot (later Hodgkin), D.M.
Dixon, M.
- A.1199 Dunn, W.
Ford, C.
Fox, D.L.
Green D.E.
- A.1200 Hainson, M.
Hamer, F. (2 photographs).
Heatley, N.G.
Heyningen, W.E. van (3 photographs).
- A.1201 Hopkins, F.G. (5 photographs).
Keay, G.H.
Kellett, E.
King, C.J.
- A.1202 Langley,
Lemberg, R.
Leloir,
?Maunova, C.

Biographical

- A.1203 Marza, B.D., 1927
 Maybury, L.M., 1919
 Moore, Mrs
 Mills, ?W.H.
- A.1204 Noel, C., 1935
 Oakeshott, M.
 Raper, R.
- A.1205 Rapkine, L.
 Richter, D.
 Soh, I. (3 photographs).
 Spiers, H.M., *ca* 1914-1916
- A.1206 Stephenson, M. (2 photographs).
 Tuxford, I.
 ?Vladimirov, G.E.
- A.1207 Waddington (née Lascelles), C. E.
 Waddington, C.H.
 Watts, G.
 Weber, F, 1929
 Woodger, J.H.
- A.1208 First name only or unidentified.
 4 photographs.

Biographical

- A.1209-A.1211 Group photographs
- A.1209 F. Weber, Heilbrunn and Gicklhorn, Graz, September 1927.
Spek and F. Weber, n.d.
- A.1210 'Part of Part II 1937/38': H. Gordon, E.K. Laidlaw, H. Hills, B. Fraser, D.H. Drennan, Professor Friedman, H. Bacon.

Three photographs of staff of Cambridge Biochemistry Department 1943.
- A.1211 N.U. Meldrum, L.H. Stickland and Needham.

V.B. Wigglesworth, Woodrow, H.D. Kay, J.B.S. Haldane and Needham.

J. Konorski, E.D. Adrian and Slominski.
- A.1212-A.1220 Miscellaneous photographs *ca* 1917-*ca* 1949**
- A.1212 Church of the Holy Spirit, Clapham Park, London, *ca* 1917-1921.

4 photographs.
- A.1213 Chapel (used by Oratory of the Good Shepherd), *ca* early 1920s.

5 photographs (of a set of six).
- A.1214 Banquet of 13th Physiological Congress, Stockholm, 1926.
- A.1215 'Lab. camp, Kettlewell 1927'.
- A.1216 Photograph of the Needhams' home at Clement's End, taken by R. Hill with a fish-eye camera, May 1935.

2 photographs of Clement's End, *ca* 1930s.

Biographical

- A.1217 Photographs from the Cambridge Scientists' Anti-War Group demonstration at Duxford Air Display, July 1935.
- See K.25-K.27 of the previous catalogue.
- 4 photographs, with those involved identified on verso.
-
- A.1218 'Physiology B' laboratory, May 1937.
- 5 photographs.
-
- A.1219 A.A. Needham's photographs of ?Needham's room including 'shrine' to Needham.
- 3 photographs.
-
- A.1220 Group photograph of participants at ?1949 International Congress of Biochemistry in Cambridge.
- With key.

SECTION B

CAMBRIDGE

B.389-B.472

The material in this section has been numbered to follow that in the previous catalogue (NCUACS 54/3/95) in conjunction with which it should be consulted.

The material is arranged as follows:

B.389-B.399	DEPARTMENT OF BIOCHEMISTRY
B.400-B.405	HISTORY OF SCIENCE
B.406-B.454	GONVILLE & CAIUS COLLEGE
B.455-B.468	CAMBRIDGE UNIVERSITY LIBRARY
B.469-B.B.472	MISCELLANEOUS UNIVERSITY AND CITY

Cambridge

B.389-B.399 DEPARTMENT OF BIOCHEMISTRY 1924-1983

B.389 Opening of the Sir William Dunn Laboratories, 9 May 1924.

Duplicated programme.

B.390 Fiftieth Anniversary of the Opening of the Sir William Dunn Institute of
Biochemistry, 9 May 1974.

Bound volume (card covers) including reminiscences by M. Dixon, R.A.
Peters, D.M.M. Needham and R. Hill.

B.391 Small format notebook used for coffee etc accounts, 1937-1938.

Also many dated entries which do not include the year.

B.392 Small format cashbook used for lunch club accounts, July 1938-1939.

Also many dated entries which do not include the year.

B.393-B.398 'E[mnest] B[aldwin] notes nitrogenous bases and nitrogen excretion'.

199pp typescript, n.d., latest bibliographical reference 1948.

Probably relates to book that E.H.F. Baldwin was preparing from lectures.
The typescript refers both to 'the remainder of this book' (p.79) and 'In the
remaining lectures ...' (p.170).

6 folders.

B.399 Miscellaneous duplicated papers 1964-1965, 1983.

B.400-B.405 HISTORY OF SCIENCE 1958-1987

B.400 Lecture list and manuscript notes, 1958, lecture list 1959, abstracts of
seminar papers, 1977.

Needham contributed four lectures to a series of lectures on the history of
embryology, Michaelmas Term, 1958, 1959.

Cambridge

B.401, B.402 'Whipple Museum Opening of extension 76'. Contents of Needham's folder so inscribed divided into two for ease of reference.

Needham performed the re-opening ceremony and gave an address on the occasion of the formal re-opening of the enlarged and refurbished Whipple Museum of the History of Science, 16 June 1976.

Correspondence, typescript and published versions of Needham's address, manuscript and typescript notes, duplicated and printed material.

B.403-B.405 'Old Addenbrooke's Hist. of Sci. & Industry Mus. démarche 1986'. Contents of Needham's folder so inscribed divided into three for ease of reference: correspondence and papers *re* proposal to use main building of the Old Addenbrooke's Hospital for a Museum of Science and Industry. 1986-1987.

The principal advocate of the use of the Addenbrooke's Hospital site for a museum was A.W.F. Edwards with the support of Needham.

B.406-B.454 GONVILLE AND CAIUS COLLEGE 1920-1991

Needham was a Fellow of Gonville and Caius College from 1924. He served as Librarian of the College 1959-1960 and President 1959-1966. In 1966 he was appointed Master, a post he held to 1976.

B.406-B.413 Miscellaneous correspondence and papers, 1920-1969, n.d.

B.406 1920, 1922, 1926, 1928.

Includes published extracts from *The Caiian* including articles written by Needham.

B.407 1933, 1939.

B.408 1957, 1961.

Cambridge

- B.409, B.410 1962.
- B.409 Includes menu and seating plan for Accolade Lunch in honour of N.F. Mott, 10 March 1962.

Mott was Master of the College, 1958-1966.
- B.410 'What I really believe. A course of four sermons preached in the chapel of Gonville and Caius College during the Lent Term 1962 by the Dean'.

23pp duplicated typescript.
- B.411 1963-1964.
- B.412 1965-1966.
- B.413 1967-1969, n.d.
- B.414-B.419 Governing Body, Ordinary College and General meetings.

The material covers the period 1963-1964, and is chiefly papers for meetings, some annotated by Needham and related correspondence including correspondence between Needham, as President and the Master, N.F. Mott. Subjects raised include the appointment of the College Bursar.

6 folders.
- B.420, B.421 Correspondence and papers *re* election of Master in succession to N.F. Mott. 1965.

2 folders.
- B.422-B.425 'Pre-election Congrats letters hand written sent to all'. Contents of Needham's envelope so inscribed divided into four for ease of reference: letters of congratulation received by Needham (to which he made hand written replies) on his pre-election as Master. 1965-1966.

4 folders.

Cambridge

B.455-B.458 'University Library Originals returned to me by Mrs Haloun Jan 1952'. Contents of Needham's folder so inscribed divided into four for ease of reference: correspondence and papers including lists of books, 1943-1947.

B.459-B.468 'University Library correspondence with GH'. Contents of Needham's folder so inscribed divided into ten for ease of reference: correspondence and papers including lists of books, 1943-1952.

B.469-B.472 MISCELLANEOUS UNIVERSITY AND CITY 1940-1975

B.469 Visit of Higher Education Delegation from China, 3 November 1975.
Needham invited the delegation to supper at Gonville and Caius College.

B.470 Visit of Chinese Delegation to Cavendish Laboratory, 10 November 1975.
Needham was asked to host a lunch for the delegation from the Sian Institute of Optic Mechanics visiting the UK under an exchange scheme between the Royal Society and the Academia Sinica.

B.471, B.472 Booklet, programmes, correspondence *re* clubs, societies etc. 1940-1971, n.d.
2 folders.

SECTION C

SINO-BRITISH SCIENCE CO-OPERATION OFFICE

C.167-C.185

The material in this section supplements that presented in the previous catalogue. It covers the period *ca* 1943, 1945-1952. The material nearly all relates, directly or indirectly, to the book *Science Outpost* (1948) edited by Joseph and Dorothy Needham (see C.104-C.136 of the previous catalogue).

- C.167 Manuscript notes on 'Development of Science in China' by Dorothy Needham, *ca* 1943.
- C.168 Notes on Chinese grammar and transliteration from Chinese to English, in Dorothy Needham's hand.
- C.169-C.183 Material *re Science Outpost*, 1948-1949.
See also F.572.
- C.169 Correspondence from readers, January - May 1949, n.d.
- C.170 Press reviews and notices, 1948-1949.
- C.171-C.183 'S Outp Poems'. Contents of folder so inscribed divided into thirteen for ease of reference.

The material is principally corrected typescript drafts, typescripts and printed copies of poems.

Some poems appeared in *Science Outpost* but the contents of the folder include material postdating that publication.

The folder was originally used to hold papers for the Congrès des Sciences Pastoriennes, Paris, France, 18-25 November 1946 to commemorate the fiftieth anniversary of Pasteur's death (see H.144 below).
- C.171 Correspondence between Alley and Needham, 1946, 1950.

Sino-British Science Co-operation Office

- C.172, C.173 Poems by Needham:
- C.172 'A Poem in his Own Style (for Rewi Alley)' (2 different drafts), September 1945.

'A Poem for a Chinese Friend' (5 different drafts), September 1946.
- C.173 'The Ways of Szechuan' (2 different drafts), ca 1946.

'In the Far West' by Li Fang-Hsun translated by Lu Gwei-Djen and Needham, September 1947.

'Two poems by Chêng Tsung-Hai' translated by Needham, n.d.

'The Ballad of Meng Chiang Nu Weeping at the Great Wall', translation by Needham and Liao Hung-Ying, n.d., with correspondence *re* publication in Swiss journal *Sinologica*, 1948.
- C.174-C.182 Poems by Alley 1945-1952.
- C.174 1945-1947.
- C.175 1948-1949.
- C.176 1950.
- C.177 1951.
- C.178, C.179 'Twenty poems from Shantan and Peking'. Composed 1950-1952.
- C.178 Corrected and annotated typescript drafts.
- C.179 Typescript copy.

Sino-British Science Co-operation Office

- C.180, C.181 'Chinese Poetry of Peace', translated by Alley, 1952.
- C.180 Corrected and annotated typescript drafts.
- C.181 Typescript copy.
- C.182 Printed volume *This is China Today. Poems by Rewi Alley* (Rewi Alley Aid Group, Christchurch, New Zealand, 1951).
- C.183 Poems by others:
Poems on Cambridge by Li Fang-Hsin, March 1948 (in Chinese).
'A Chinese Soldier speaks of Death' and 'Among Chinese Students' by R. Payne, sent to Needham, n.d.
'The Soldier' by Kuan Chou, translated by 'F.J.', n.d.
- C.184, C.185 Memorabilia: passes, letters of introduction etc. 1942-1946.
2 folders.

SECTION D **UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND** **D.366-D.376**
CULTURAL ORGANISATION (UNESCO)

The material in this section supplements that presented in the previous catalogue. It covers the period 1946-1951, 1975. Unlike the original catalogue, however, the small quantity of material has not been arranged into subsections but is presented in chronological order.

For material relating to the 1980s campaign to keep the UK in UNESCO see K.388-K.393 of this catalogue.

- D.366 Brochure from the Exposition Scientifique Internationale, Paris, France, November-December 1946.
- This took place during the meetings of the First UNESCO General Conference in Paris (see D.40-D.42 of the previous catalogue).
- Needham wrote the preface to the brochure.
- A brochure on the section of the Exhibition on the work of the Sino-British Science Co-operation Office is at C.152 in the previous catalogue.
- D.367-D.371 Correspondence and papers *re* appointment as Honorary Counsellor to UNESCO, 1948-1950.
- Needham, as first Director of the UNESCO Section of Natural Sciences and J.S. Huxley, as first UNESCO Director-General, were appointed Honorary Counsellors in September 1949.
- D.367 1948 February. Papers of 6th UNESCO Executive Board meetings.
- The matter of Honorary Counsellorships was discussed at the Board meeting.
- D.368 1948 April.
- D.369 1948 December - 1949 March.

United Nations Educational, Scientific and Cultural Organisation (UNESCO)

- D.370 1949 September.
- Executive Board papers confirming Needham and Huxley as Honorary Counsellors; telegram of notification; newspaper cutting from *New York Herald Tribune*, 17 September 1949.
- D.371 1950.
- Chiefly correspondence *re* Needham's attempt to obtain a UNESCO 'letter of credence' for his passport.
- D.372-D.374 'The Field Scientific Liaison Work of UNESCO'.
- Typescript draft of booklet explaining the work of UNESCO and its Science Co-operation Offices in supporting science in under-developed regions. *ca* 1949.
- This was published as *Science Liaison* by Lu Gwei-Djen (see D.232-D.237 of the previous catalogue).
- D.372 List of contents and typescript draft with extensive manuscript corrections and additions, paginated 2-41.
- D.373 ' "Part III" Appendices', manuscript and typescript draft.
- D.374 Typescript list of captions.
- D.375 Letter to Needham *re* UNESCO book in honour of Sir Julian Huxley, 12 December 1975.
- D.376 UNESCO passes, 1947, 1951.

SECTION E

RESEARCH

E.194-E.227

The material in this section has been numbered to follow that in the previous catalogue (NCUACS 54/3/95) in conjunction with which it should be consulted.

The material is notes and drafts 1929-1963.

- E.194 'Data on Ichtulin and Thiocethin'. Contents of envelope so inscribed including sample analysis results from A. Schoeller, Berlin, 19 October 1929.
- E.195-E.201 'General Manometry'. Contents of Needham's envelope so inscribed divided into seven for ease of reference: experimental data, manuscript notes and fragments, correspondence 1930-1933. Relates to three papers by Needham on manometric measurements published in *Proceedings of the Royal Society of London B*, 1932-1933.

See also E.202, E.203 and F.131, F.132, F.133, F.149-F.151 of the previous catalogue.
- E.202, E.203 'Manom[etry] III current papers'. Contents of Needham's folder so inscribed divided into two for ease of reference: data etc *re* yolk sac experiments. N.d. but relates to paper published in *Proceedings of the Royal Society of London B* 113 (1933), 429-459.

See also F.149-F.151 of the previous catalogue.
- E.204-E.206 'True Metabolic Rate Calculations'. Contents of Needham's folder so inscribed divided into three for ease of reference: experimental data, manuscript notes, typescript pages from draft paper headed 'Rejected Retyped', correspondence 1930. Relates to publication in *Proceedings of the Royal Society of London B* 110 (1932).

See also F.134, F.135 of the previous catalogue.
- E.207-E.210 'Phosphagen Roscoff 1931 papers'. Contents of Needham's folder so inscribed divided into four for ease of reference: experimental data, manuscript notes, duplicated teaching material, correspondence 1931-1934.
- E.211, E.212 Notes Gastropod Biochem.'. Contents of Needham's folder so inscribed divided into two for ease of reference: manuscript notes, correspondence, 1933,1934.

Research

- E.213, E.214 'Mollusc Survey Uric Acid papers'. Contents of Needham's folder so inscribed divided into two for ease of reference: manuscript notes and fragments, correspondence, 1934.
- E.215-E.224 'Calculations and Notes Intermediate Metabolism in Embryonic Life I-VIII Needham, [W.W.] Nowinski, [H.] Lehmann, [R.P.] Cook, [K.C.] Dixon'. Contents of Needham's envelope so inscribed divided into ten for ease of reference: manuscript notes and fragments, manuscript and typescript drafts, correspondence, printed material etc., 1935-1937. Relates to papers prepared for *Biochemical Journal* and published there after some consolidation in 1937.
- See F.207-F.215 of the previous catalogue.
- E.225 Manuscript notes, fragments and data found clipped together. N.d. ?1930s.
- E.226 9 graphs. N.d. ?1930s.
- E.227 *Life International*, 4 November 1963.
- Enclosed inside at front is menu card used by Needham for notes on cover story on DNA.

SECTION F

PUBLICATIONS

F.451-F.630

The material in this section has been numbered to follow that in the previous catalogue (NCUACS 54/3/95) in conjunction with which it should be consulted.

The material is arranged as follows:

F.451-F.608

DRAFTS

F.609-F.629

EDITORIAL CORRESPONDENCE

F.630

'EGG: EXCHANGE OF REPRINTS'

Publications

F.451-F.608	DRAFTS	1925-1989
F.451	'The philosophical basis of biochemistry', <i>The Monist</i> , ?January 1925. Correspondence from A.E. Heath, English editor, 1924-1925.	
F.452-F.455	<i>Science, Religion and Reality</i> ed. J. Needham, Sheldon Press, London, 1925. See F.23, F.24 of the previous catalogue.	
F.452	Needham's complete bound set of reviews.	
F.453	Correspondence <i>re</i> royalties, 1941-1942.	
F.454	Correspondence <i>re</i> US reprint, 1955-1956.	
F.455	Correspondence <i>re</i> Italian translation, 1959.	
F.456	'The south porch at Guimiliau', <i>ca</i> 1925. 5pp typescript; letter from J.M. Murry, editor of <i>The Adelphi</i> <i>re</i> possible publication.	
F.457	<i>The sceptical biologist. Ten essays</i> , Chatto & Windus, London, 1929 and W. W. Norton & Co., New York, 1930. See F.67-F.81 of the previous catalogue. Needham's complete bound set of reviews.	
F.458-F.463	<i>Chemical Embryology</i> , 3 vols., Cambridge University Press, 1931. See F.98-F.110 of the previous catalogue.	
F.458	Correspondence with publisher <i>re</i> advertising, 1932-1933.	

Publications

- F.459-F.461 Reviews of *Chemical Embryology*.

3 folders.

The review in the journal *Discovery* was critical of the book and Needham published a reply in the May 1932 issue, see F.399.
- F.462 Published letter from Needham, *Cambridge Review*, 28 October 1932.

The letter responded to comments made in the journal's review of *Chemical Embryology*.
- F.463 Royalty statements, 1942, 1945-1946.
- F.464-F.466 'Prob of vit[elline] membr[ane] stuff'. Contents of Needham's envelope so inscribed divided into three for ease of reference.

The material relates to papers in the series on 'The relations between yolk and white in the hen's egg' published in the *Journal of Experimental Biology* **8** (1931).

See F.111 and F.112 of the previous catalogue.
- F.464 Typescript draft with manuscript tables.

This draft seems to have been intended as parts II and III of the series.
- F.465, F.466 Manuscript notes, tables, graphs etc.

2 folders.
- F.467 *The Great Amphibium*, SCM Press, London, 1931.

'Reviews (Complete set)'. Contents of Needham's binder so labelled.

See F.115, F.116 of the previous catalogue.
- F.468 'Evolution', *Encyclopaedia of the Social Sciences*, ca 1931.

Proof copy.

Publications

- F.469-F.471 'Embryology; exact or inexact? A reply to Professor McBride', *Discovery* May 1932.
- E.W. McBride had published an article in the issue of *Discovery*, critical of Needham's book *Chemical Embryology* (see F.388-F.391 above) and of the discipline of biochemistry.
- F.469 *Discovery* for March 1932 with 'Studies in Chemical Embryology' by E.W. McBride on pp 94-97, annotated by Needham.
- F.470 11pp manuscript draft of Needham's reply.
- F.471 Correspondence with editors and arising, April-May 1932.
- F.472, F.473 'On phosphorus metabolism in embryonic life III. Phosphagen in avian development' by D.M.M. Needham and E. Baldwin, *Journal of Experimental Biology* 7 (1932).
- See F.137, F.138 of the previous catalogue.
- F.472 Typescript and manuscript draft with extensive manuscript corrections.
- F.473 Notebook labelled on front cover 'Dr D.M. Needham and E.H.F. Baldwin 20/X/31 Phosphagen in plain vertebrate muscle'. Used for notes on experiments 20 October 1931 - 4 July 1932.
- Found with the preceding.
- F.474, F.475 'Notes on dissociability review'. Contents of Needham's envelope so inscribed divided into two for ease of reference.
- Relates to 'Chemical heterogony and the ground-plan of animal growth', *Biological Reviews* (1933).
- See F.156-F.159 of the previous catalogue.
- F.474 Letter from editor of *Biological Reviews* re publication, October 1932; typescript draft.
- F.475 Manuscript and typescript notes.

Publications

- F.476-F.513 *A History of Embryology*, Cambridge University Press, 1934.
See F.160 of the previous catalogue.
- F.476-F.491 First edition, 1934
- F.476 Draft, partly typescript and partly pages of *Chemical Embryology*, with extensive manuscript corrections and additions.
- F.477 Proof, with extensive manuscript annotations.
- F.478 Typescript index; proof of bibliography.
- F.479-F.483 'History of Embryol Original notes (before 1934)'. Contents of Needham's folder so inscribed divided into five for ease of reference: typescript and manuscript notes.
- F.484-F.486 'HoE notes'. Contents of Needham's folder so inscribed divided into three for ease of reference: index cards of references and manuscript notes.
- F.487-F.489 Correspondence, 1928-1941.
- F.487 Correspondence *re* publication, 1928-1934.
- F.488, F.489 Correspondence arising, 1934-1941.
2 folders.
- F.490 'History of Embryology. Reviews'. Contents of Needham's envelope so inscribed.
- F.491 Agreement with Cambridge University Press, 12 July 1932; royalty statements, 1934-1935 and 1942-1950.

Publications

- F.492-F.513 Second edition, 1959.
- Needham had hoped for a second edition from 1940, if not earlier. In 1948, the American publishers Henry Schuman Inc. expressed interest and after much negotiation and discussion the second edition was published by Abelard-Schuman Inc.
- F.492-F.500 'Pasted up galleys', with extensive manuscript correction and addition.
- 9 folders.
- F.501-F.503 'Emendations as prepared for [the Russian] and the Second Edition'. Contents of Needham's folder so inscribed divided into three for ease of reference: manuscript and typescript notes.
- F.504 Contents of Needham's folder: two letters from Cambridge University Press *re* possible second edition, 1940 and 1941; manuscript notes.
- F.505 'A history of Embryology; Preface to the Russian translation', *ca* 1950.
- 4pp typescript.
- F.506-F.510 Correspondence *re* publication of second edition, 1947-1959.
- The principal correspondents are Jane Oppenheimer and other possible collaborators with Needham on the revision, Henry Schuman Inc. and Abelard-Schuman Inc., publishers and Cambridge University Press.
- F.506 1947-1952.
- F.507 1954-1955.
- F.508 1956-1957.
- F.509 1958.
- F.510 1959.

Publications

- F.511 Correspondence arising from publication, 1960-1983.
- F.512 Book reviews of the second edition.
- F.513 Royalty statements, 1959-*ca* 1961.
- F.514 'Limiting factors in the advancement of science as observed in the history of embryology', *Yale Journal of Biology and Medicine* vol. 8 (1935).
Off-print, annotated 'Lecture copy'.
- F.515 'Ivan Pavlov', obituary in *Daily Worker*, 29 February 1936.
6pp typescript.
See F.190 of the previous catalogue.
- F.516, F.517 *Order and Life*, Cambridge University Press and Yale University Press, 1936.
Republished by Yale University Press 1968.
'Order and Life' was the title of Needham's series of Terry Lectures delivered at Yale University in 1935.
See G.22-G.41 of the previous catalogue.
- F.516 Letter arising, October 1941.
- F.517 Correspondence *re* reprint as Yale University Press paperback, 1967; review by Stephen Jay Gould 1973.
- F.518-F.531 'The geographical distribution of English ceremonial dance traditions', *Journal of the English Folk-Dance and Folk-Song Society*, vol. 3 (1936), 1-45.
See also A.842-A.859.
- F.518 Off-print.

Publications

- F.519-F.521 Typescript and manuscript draft, paginated 1-76.

3 folders.
- F.522-F.524 Possible publication of *Distribution of the Ceremonial Dance*.

Needham hoped to publish a revised and enlarged version of his article as a book. It was not republished and the collected additional and updating material went towards an article by A. Hunter on the geographical distribution of ceremonial dance published in *Journal of the English Folk-Dance and Folk-Song Society* 1960.
- F.522 6pp typescript outline of 'Revised Needham'; letter from Cambridge University Press declining to publish *Distribution of the Ceremonial Dance*, 9 December 1957.
- F.523, F.524 Material for possible second edition: typescript tables of dance distribution, two maps.

2 folders.
- F.525-F.531 Background information.
- F.525, F.526 'Papers on Dance etc': correspondence and papers so labelled divided into two for ease of reference.
- F.525 Correspondence 1931-1985.

Includes correspondence *re* possible republication, 1956-1957 (see also F.452 above), and *re* consultation of Needham's Morris Dance material, 1985.
- F.526 Printed material: Timetable for summer term courses in folk song and dance at Cecil Sharp House, London, May-July 1936; issue of *Ethnic* vol. 1 no. 1, January 1959; 'The Cotswold Morris by R. Wortley, reprinted from *Ethnic* vol. 1 no.2, Spring 1959; programme for 50th anniversary meeting of the Thaxted Morris, May 1961.
- F.527-F.530 'Dance reprints': correspondence and papers so labelled divided into four for ease of reference.

Publications

- F.527 Correspondence 1932-1936.
- F.528 Manuscript and typescript notes.
- F.529, F.530 Printed material.
- F.529 English Folk Dance Society Examination Syllabus 1928; programme for Witney & District Music Competition Festival, 15-22 March 1930; programme for Oxford Festival of Folk Dance & Song, 14 February 1931; programme for English Folk Dance and Song Society All-England Festival, London, 30 December 1932.
- F.530 'North Sea and Baltic' by R. Gardiner, account of Travelling Morrice tour in the summer of 1928; speech by Gardiner at the 38th Feast of the Cambridge Morris Men, 28 October 1961.
- F.531 Newspaper cuttings, 1931, 1932 and 1961.
- F.532, F.533 'Refs etc. Intermediate Carbohydrate Metab in Embryonic Life I-VIII'. Contents of Needham's envelope so inscribed divided into two for ease of reference.
- The material relates to papers prepared for the *Biochemical Journal*. See F.202-F.215 of the previous catalogue.
- F.532 Letter from A. Geiger, enclosing 'The separation of the glucoytic enzyme system from the brain cells and the coenzymes required for its full activation', 2pp typescript letter to *Nature*, 8 February 1938.
- F.533 Manuscript notes and references.
- F.534-F.537 *Perspectives in biochemistry...Essays presented to Sir F.G. Hopkins*, ed. Needham and D.E. Green, Cambridge University Press, 1937.
- See F.217-F.219 of the previous catalogue.
- F.534 Correspondence arising, 1937, 1938.

Publications

- F.535, F.536 Book reviews.
2 folders.
- F.537 Royalty statements, 1938, 1942, 1945-1947.
- F.538 *Integrative levels; a revaluation of the idea of Progress*, Clarendon Press, Oxford, 1937.

This was Needham's Herbert Spencer lecture, delivered in Oxford, 27 May 1937.

See G.48-G.53 of the previous catalogue.

Correspondence 1941, 1960, 1963.

1960, 1963 correspondence is *re* reprinting of *Integrative levels* by the US publishers Russell & Russell.
- F.539 'Christianity and Communism', *Modern Churchman*, October 1937.

Off-print.
- F.540-F.543 *Background to Modern Science. Ten lectures at Cambridge arranged by the History of Science Committee 1936*, eds Needham and W. Pagel, Cambridge University Press, 1938.
- F.540 Annotated proof.
- F.541-F.543 Book reviews.
3 folders.
- F.544 'Democracy in the Universities', *The Democrat* vol 1, April 1938.

Copy of *The Democrat* with Needham's article.

/...

Publications

- /... The piece has extensive manuscript annotations and typescript and manuscript intercalated material for its revision for publication in America as 'University democracy; a letter to an American friend'. It was subsequently published in *History is on our side, A contribution to political religion and scientific faith*, Allen & Unwin, London, 1946, see F.323-F.333 of the previous catalogue.
- F.545 *The Levellers and the English Revolution*, Gollancz, London, 1939.
See F.250-F.258 of the previous catalogue.
Correspondence *re* Italian language version 1957 and reprinting 1967.
- F.546 'The naturalness of the spiritual world (in its original form an introduction for a new edition of Henry Drummond's "Natural Law in the Spiritual World")', written at sea, 6 September 1939.
See F.259 of the previous catalogue.
Typescript draft with manuscript corrections.
- F.547, F.548 *The Nazi Attack on International Science*, Watts & Co., London, 1941.
See F.265-F.267 of the previous catalogue.
- F.547 Book reviews.
- F.548 Letter *re* publication of Polish language version, 11 July 1946.
- F.549 'A biologist's view of Whitehead' in *The Philosophy of Alfred North Whitehead*, ed P. A. Schilpp, Evanston, Northwestern University, 1941.
Copy of *Main Currents in Modern Thought*, vol. 3 January 1943, reviewing Needham's contribution on pp 45-48.
- F.550 *The Teacher of Nations*, Cambridge University Press, 1942.
See B.364-B.368 of the previous catalogue.
Book reviews.

Publications

- F.551-F.554 *Biochemistry and morphogenesis*, Cambridge University Press, 1942.
See F.275-F.301 of the previous catalogue.
- F.551 Book reviews.
- F.552 Royalty statements, 1942, 1945, 1947.
- F.553, F.554 Third impression 1965.
- F.553 Needham's Foreword, 24pp typescript + 5pp references.
- F.554 'Corrections for Author's Foreword'.
- F.555-F.559 *Time the refreshing river. Essays and Addresses 1932-1942*, Allen & Unwin, London, 1943.
See F.307-F.318 of the previous catalogue.
- F.555 'Thoughts of a young scientist on the testament of an old one'.

This was one of Needham's essays in the book. See F.309 of the previous catalogue.

Draft.
- F.556 Correspondence from publishers, October 1942, with dust-jacket of book.
- F.557 Book reviews.
- F.558 Correspondence arising, 1943-1961.
- F.559 Royalty statements 1943-1967.

Publications

- F.560-F.565 'Studies on the anomalous viscosity and flow-birefringence of protein solutions', *Journal of General Physiology* vol. 27 (1944).

See F.320 of the previous catalogue and F.623 below.

These papers were originally submitted for publication by the Royal Society as molecular basis of morphology but withdrawn after comments by referees.
- F.560, F.561 'Contributions to the molecular basis of morphology I. General behaviour of protein solutions subjected to shear' by Needham, A.S.C. Laurence and Shih-Chang Shen.

Typescript draft paginated 1-53a, with extensive manuscript corrections.

2 folders.
- F.562, F.563 'Contributions to the molecular basis of morphology II. Anomalous viscosity and flow birefringence of dilute solutions of proteins from embryonic and other tissues' by Needham, Laurence, M. Miall and Shen.

Typescript draft paginated 1-53, with extensive manuscript corrections, + 2pp manuscript references.

2 folders.
- F.564, F.565 Untitled typescript draft paginated 1-6, with manuscript list of contents (titled 'Contents III'), typescript legends for figures and tables, and manuscript references.

2 folders.
- F.566 *Chinese Science*, Pilot Press, London, 1944.

See C.102 of the previous catalogue.

Royalty statement, 1946.
- F.567-F.569 *History is on our side, A contribution to political religion and scientific faith*, Allen & Unwin, London, 1946.

See F.323-F.333 of the previous catalogue.
- F.567 Book reviews.

Publications

- F.568 Correspondence arising, 1946, 1949, 1964.
- F.569 Royalty statements, 1946-1960.
- F.570, F.571 *Hopkins and Biochemistry, 1861-1947*, eds. Needham and E.H.F. Baldwin, W. Heffer & Sons, London, 1949.
See F.337-F.347 of the previous catalogue.
- F.570 Photographs of Hopkins and related, for use as figures.
18 photographs.
- F.571 Royalty statements, 1954, 1955.
- F.572 *Science Outpost*, ed. with D.M.M. Needham, Pilot Press, London, 1946.
See C.104-C.136 of the previous catalogue and C.169-C.183 of this catalogue.
Correspondence arising, 1949-1951.
- F.573 'Cosmologist of the Future', book review of *The Phenomenon of Man* by Pierre Teilhard de Chardin, ca 1959.
5pp typescript.
- F.574, F.575 'Organiser phenomena after four decades; a retrospect and prospect', in *Haldane and modern biology*, ed. K. R. Dronamraju, Johns Hopkins Press, 1968.
- F.574 27pp typescript + 6pp references.
- F.575 Correspondence with editor, 1966.

Publications

- F.576 *Within the four seas: the dialogue of East and West*, London, Allen & Unwin, 1969.

Typescript draft, paginated 1-757.
- F.577-F.596 *The Chemistry of Life: eight lectures on the history of biochemistry*, by Robert Hill *et al*, ed. with an introduction by Joseph Needham, Cambridge University Press, 1970

The idea of a publication on the history of biochemistry arose out of lectures given in the Cambridge Department of Biochemistry in 1958-1961 by leading biochemists. The plans lay dormant from 1960 to 1965 when it was revived by Cambridge University Press.
- F.577 Manuscript and typescript lists of history of biochemistry lectures for 1958-1960; printed notices for lectures 1958 and 1959.
- F.578 Needham's manuscript notes on lectures of M. Dixon, 24 January 1958; E.F. Gale, 31 January 1958; F.G. Young, 20 February 1958; R. Hill, 27 February 1958; K.C. Dixon, 7 February 1958 and 13 February 1959.
- F.579 'The history of the uric acid synthesis. From Scheele to Horbaczewski' by M. Teich, submitted to Needham as a possible contribution to the lectures, 27 July 1959.

44pp typescript.
- F.580-F.584 Typescript drafts of chapters for *The Chemistry of Life*.

The titles of the chapters were revised and may not be the same as those under which the chapters were published.
- F.580 'Green thoughts in a green shade: the growth of our knowledge of photosynthesis' by R. Hill.

14pp.
- F.581 'The history of enzymes and of biological oxidations' by M. Dixon.

31pp + illustrations for figures.

Publications

- F.582 'The discovery of vitamins' by L.J. Harris.
21pp.
- F.583 'The historical foundations of modern biochemistry' by M. Teich.
23pp + references.
- F.584 'Some of the pioneers of biochemistry in Britain' by R.A. Peters.
9pp (incomplete).
- F.585 Memoranda of Agreement, 14 October 1969.
- F.586-F.592 Correspondence 1957-1971.
The bulk of the correspondence is with contributors to the lecture series and to the book and with Cambridge University Press *re* publication.
- F.586 1957-1958.
- F.587 1959-1960.
- F.588 1961-1965.
Correspondence 1961 *re* visit by M. Teich to Cambridge to lecture on history of biochemistry.
- F.589 1966-1967.
- F.590 1968.
- F.591 1969.
- F.592 1970, 1971.

Publications

- F.593 List of review copies.
- F.594-F.596 Book reviews of *The Chemistry of Life*.
3 folders.
- F.597 Chapter in *China and the West: mankind evolving*, The Teilhard study library Series no. 5: Garnstone Press, London, 1970.

See also L.307-L.315 of this catalogue.

Correspondence with publishers, 1970.
- F.598 Letter to *The Times*, 14 November 1970, re Uniat status for the Church of England.

Typescript draft, with letter from E. Hardy commenting on the draft; copy of letter as published.
- F.599 'Integrative levels and the idea of progress', in *Beyond Chance and Necessity: a critical inquiry into Professor Jacques Monod's 'Chance and necessity*, ed. J. Lewis: Garnstone Press, London, 1974

Correspondence from the editor, 1973.
- F.600 'Christian hope and social evolution', *China Notes* vol. 12, Spring 1974.

Issue of *China Notes* with Needham's article on pp 13-20. See also L.255-L.257 and L.445 of this catalogue.
- F.601 Tribute to Dr Arthur Peck, *The Times*, 6 March 1974, further to Peck's obituary.

Manuscript draft and photocopy of tribute as published; letters of appreciation, March 1974.
- F.602 Letter to *The Times*, January 1982.

The letter was not published.

Publications

- F.603 Foreword, ca 1984.
Letter thanking Needham for foreword to unidentified volume, 7 February 1984.
- F.604 Foreword to book on Christian Socialism to be edited by D. Ormrod, 1985.
Brief correspondence with editor; 2pp typescript.
- F.605 Contribution to book on Peace, edited by Hakim Mohammed Said, 1987.
Letter requesting contribution, with Needham's reply including his contribution, April 1987.
- F.606 'Louis Rapkine, Science and Politics', in *Louis Rapkine, 1904-1948*, ed. V. and B. Karp, Orpheus Press, North Bennington, 1988.
Correspondence with editors, 1986-1988; 3pp typescript of Needham's contribution.
- F.607 Letter to *The Times*, the *Guardian* and the *Independent* re proposed move of Oriental Collections of the British Library, December 1988.
Typescript draft, no evidence of publication.
- F.608 'The Tao-illuminations and corrections of the Way', *The Trumpeter* vol. 6 (1989).
Issue of *The Trumpeter* with Needham's contribution on pp 166-170.
- F.609-F.629 EDITORIAL CORRESPONDENCE 1926-1990**
Arranged in alphabetical order by publisher or journal. At F.629 are individual requests to contribute to planned books etc.
- F.609 Akademie-Verlag, Berlin 1987-1988
Invitation to contribute (declined).

Publications

F.610	<i>The Cell</i> Invitation to contribute (declined).	1956
F.611	<i>Christian Socialist</i> Invitation to contribute (declined).	1976
F.612	Collet's Holdings Ltd <i>Re</i> assistance in publication.	1950
F.613	<i>Encyclopaedia of Religion</i> Invitation to contribute (declined).	1982
F.614	George Brazillier Inc. Publishing projects.	1956, 1958
F.615	Harbor Press Request to reprint works by Needham.	1954-1955
F.616	<i>ISIS</i> Invitation to review book.	1994
F.617	<i>Journal of Contemporary Asia</i> Invitation to contribute.	1974
F.618	<i>Leonardo</i> Request for views.	1986
F.619	<i>Modern China</i>	1976

Publications

- | | | |
|-------|---|------------|
| F.620 | <i>The Outlook</i>
Invitation to contribute. | 1926 |
| F.621 | <i>Physics Bulletin</i>
Invitation to contribute (declined). | 1976 |
| F.622 | Rationalist Press Association Ltd
Invitation to contribute (declined). | 1985 |
| | Robson Books
Invitation to contribute (declined). | 1976 |
| F.623 | Royal Society
Brief correspondence <i>re</i> papers on molecular shape and morphogenesis
(see F.560-F.565 above and F.320 of the previous catalogue). | 1943 |
| F.624 | <i>Science as Culture</i>
Invitation to contribute (declined) and to write a note on the journal for
publicity purposes | 1989 |
| F.625 | <i>Scientific World</i>
Invitations to write review and contribute a paper. | 1972, 1976 |
| F.626 | <i>Source Papers in the Structure of Science</i>
Invitation to contribute. | 1954 |
| F.627 | <i>Teilhard Review</i>
Refereeing. | 1976 |

SECTION G

LECTURES AND BROADCASTS

G.124-G.142

The material in this section has been numbered to follow that in the previous catalogue (NCUACS 54/3/95) in conjunction with which it should be consulted.

The material is arranged as follows:

G.124-G.136 LECTURES

G.137-G.142 BROADCASTS

Lectures and broadcasts

- G.130 Correspondence *re* arrangements and arising, 1969.
- G.131 Address, Newport Grammar School, Essex, 29 October 1970.
Correspondence *re* arrangements; programme.
- G.132 'Christianity, Science, China', Hong Kong, 1 May 1974.
C120 audio cassette.
- G.133 'The nature of Chinese civilisation', University of Cambridge Board of Extra-Mural Studies, 25 February 1976.
Needham gave this lecture in the series on 'Recent developments in world archaeology'.
Invitation and letter of acceptance, June 1975; draft programme.
- G.134 'Acupuncture in the history of Chinese medicine', Scandinavian Institute of Asiatic Studies, Copenhagen, Denmark, 27 April and 'The elixir concept and chemical medicine in East and West', Danish Royal Academy, Copenhagen, 28 April 1977.
Correspondence *re* arrangements, 1975-1977.
- G.135 'Our contemporary discontents', United Nations University Conference on the Civilisational Quest; projects and strategies, Cambridge, June 1985.
10pp typescript 'First draft'; 14pp typescript 'Top copy'.
- G.136 Invitations to lecture declined, 1969-1990:
Ealing Technical College, London, 1969.
Cambridge University Liberal Club, 27 April 1976.
Chiltern Medical Society, November or December 1976 or 1977.
Winchester College, Winchester, Hampshire, *ca* 1990.

Lectures and broadcasts

- | G.137-G.142 | BROADCASTS | 1923-1989 |
|--------------------|---|------------------|
| G.137 | <p>'Recent advances in medical science', BBC radio broadcast from Glasgow, 19 August 1923.</p> <p>8pp manuscript draft dated 18 August 1923.</p> <p>See G.117 of the previous catalogue</p> | |
| G.138-G.140 | <p>Interview on Chinese science and civilisation for Cyprus Television, 23 May 1979.</p> <p>Needham gave this interview during his British Council sponsored visit to Cyprus in 1979 (see H.248-H.252).</p> | |
| G.138 | <p>Brief correspondence <i>re</i> arrangements; manuscript notes.</p> | |
| G.139 | <p>9pp photocopied typescript list of questions.</p> | |
| G.140 | <p>Needham's 19pp typescript answers to the questions.</p> | |
| G.141 | <p>Two Minute Talks, Thames Television, 19-25 April 1982.</p> <p>Needham gave seven talks in the Thames Television Late Night series 'Sit Up & Listen'.</p> <p>Printed copy of the talks, used by Needham as a 1983 Greetings Card.</p> | |
| G.142 | <p>Brief correspondence from Watson, Little Ltd, Author's Agents, <i>re</i> fees etc, 1989.</p> | |

SECTION H

VISITS AND CONFERENCES

H.131-H.264

The material in this section has been numbered to follow that in the previous catalogue (NCUACS 54/3/95).

Material relating to Needham's holidays abroad may be found at A.949-A.1050 in this catalogue.

H.131-H.142 Second International Congress of the History of Science and Technology, London, 29 June - 4 July 1931.

The bulk of this material appears to be the contents of a box originally housed in the Periodicals Room (probably at the Needham Research Institute in Cambridge). The original listing of the material (H.132-H.140), which has been followed in the arrangement of the material below, is at H.131.

H.131 List of contents of box.

H.132-H.140 Contents of box as listed at H.131.

Not all the material listed was found.

H.132 '1'. Two photographs of the front and back of the Congress memorial medallion.

Number 2, four enlarged photographs of those in '1' were not found.

H.133 '3'. Offprints from *Science at the Cross-roads. Papers read to the Second International Congress of the History of Science and Technology by the Delegates of the USSR* (London 1931).

The Soviet delegates arrived at the last moment and there was only time for them to present a summary of their papers. To disseminate their ideas therefore they were issued in full in English translation as a book.

Number 4. *The Beginnings of Science* by Charles Singer was not found.

Visits and conferences

- H.134 '5'. British Association for the Advancement of Science brochure for visit to Down House.
- '6'. Brochure for Congress visit to exhibition at the British Museum 'The First Century of Science in England'.
- H.135 '7'. Brochure for Congress visit to the National Portrait Gallery, London.
- '8'. Brochure on Crosby Hall, Chelsea, London.
- H.136 '9'. Two letters from H.W. Dickinson, Honorary Secretary of the Congress to Needham *re* arrangements, 23 April 1930 and 19 September 1931.
- H.137 '10'. Duplicated typescript papers by J.S. Haldane, E.S. Russell, Needham, J.H. Woodger, L. Hogben and L.L. Whyte.
- H.138 '11'. Another set of the preceding minus that by E.S. Russell and plus one by A. Yoffé.
- H.139 [12]. Duplicated typescript papers by A.V. Hill, T. Greenwood, G. Windred, H.E. Stapleton and M. H. Hussain, and on Project for the publication of Newton's correspondence.
- H.140 '13'. Congress programme.
- H.141 Letter from C. Webster enclosing 12pp typescript transcript of 'Diary of William Welch' from the Congress, 18 February 1980, with reply from Needham, 19 March 1980.
- H.142 Invitation from J. Rosenhead to meeting on Science at the Cross Roads to commemorate the fiftieth anniversary of the 1931 Congress, Imperial College, London, with reply from Needham declining, November 1981; supplement from *Science for People* with copies of the papers given.

Visits and conferences

- H.143 Conference on physico-biological problems, Institute of Theoretical Physics, Copenhagen, Denmark, 12-14 May 1938.
- Needham spoke on phosphorylation.
- Correspondence *re* arrangements March-May 1938; material *re* travel.
- H.144 Congrès des Sciences Pastoriennes, Paris, France, 18-25 November 1946.
- This meeting commemorated the fiftieth anniversary of Pasteur's death. It coincided with the meetings of the First UNESCO General Conference in Paris (see D.40-D.42 of the previous catalogue).
- A folder containing papers for the congress was subsequently used to hold material *re* the Needhams' book *Science Outpost* (see C.171-C.183 of this catalogue).
- Two signed menus, November 1946.
- H.145 Visit to Poland, *ca* June - July 1947.
- Manuscript notes on state of Polish science and needs of scientists; calling cards; newspaper cuttings *re* Needham's visit.
- H.146 Visit to Sweden and Denmark, July 1947.
- Needham attended the Sixth International Congress of Experimental Cytology, Stockholm, Sweden, 10-17 July 1947 as UNESCO representative (see H.58-H.61 of the previous catalogue) and the Fourth International Congress for Microbiology, Copenhagen, Denmark, 20-26 July 1947. He returned to Denmark in August for a holiday.
- Annotated programme for Congress of Experimental Cytology and newspaper cutting; correspondence *re* visits to Denmark, July-August 1947.
- H.147 World Congress of Intellectuals in Defence of Peace, Wroclaw, Poland, 25-28 August 1948.
- Needham planned to attend but instead had to act as UNESCO representative at an International Congress of Geology in London. He sent a statement of support to be read to the Congress.
- Correspondence including copy of Needham's statement of support, June-August 1948; duplicated typescript and printed material arising from the Congress; letter from British Cultural Committee for Peace formed after the Wroclaw Congress, inviting Needham to join, 20 January 1949.

Visits and conferences

- H.148 Invitation to Cultural and Scientific Conference for World Peace, New York, USA, 25-27 March 1949.
- H.149 Congress of Peace, Trade and Friendship with the USSR, 12 June 1949.
- Needham hoped to attend but was unable to do so. He sent a statement of support to be read to the Congress.
- Correspondence and papers *re* conference and possible participation, including copy of Needham's statement of support, March-June 1949.
- H.150-H.155 First Congress of Polish Science, Warsaw, Poland, 29 June - 2 July 1951.
- Needham gave a short speech at the Opening Session. Accounts by Needham of the Congress were published in *Nature* 11 August 1951, p 241 and the *New Central European Observer*, 13 October 1951.
- See also H.85-H.94 of the previous catalogue and J.308 of this catalogue.
- H.150 'Remarks made at the Opening Session [...]' by Needham, 2pp typescript with manuscript corrections and additions.
- H.151 Correspondence *re* arrangements and arising, June-July 1951.
- H.152 Annotated programme.
- H.153 Polish Press Agency Information Bulletin reporting on the Opening of the Congress.
- H.154 Manuscript notes on Polish science and scientists.
- H.155 2pp typescript draft of article for *Nature*.
- Copy of 'New Central European Observer', 13 October 1951, with Needham's report on the Congress at pp 324-325.

Visits and conferences

- H.156-H.160 Seventh International Congress for the History of Science, Jerusalem, Israel, 4-11 August 1953.
- Needham spoke on 'Chinese-Western relations in the history of science and technology' and was Rapporteur. He also visited the Weizmann Institute of Science, Rehovoth, Israel where he spoke on 'Some new aspects of the biochemical approach to embryonic morphogenesis'.
- H.156 Correspondence *re* arrangements, February 1952 - August 1953.
- Correspondence arising, September - December 1953.
- H.157 Congress programme; manuscript itinerary.
- H.158 Newspaper cuttings *re* the Congress.
- H.159 Manuscript notes, etc.
- H.160 Correspondence from Dorothy Needham and G.D. Lu received by Needham during his visit, July-August 1953.
- H.161-H.164 Hungarian Physiological Society Twentieth Conference, Budapest, Hungary, 8-10 July 1954.
- The conference was attended by both Joseph and Dorothy Needham. Their account published in *Nature* 18 September 1954, pp 545-546.
- See also H. 102 of the previous catalogue.
- H.161 Correspondence *re* arrangements and arising, May-August 1954.
- Includes photograph of Needham with E. Szörényi.
- H.162 Annotated programme.
- H.163 6pp typescript draft of account for *Nature*.

Visits and conferences

- H.164 Printed material.
- H.165, H.166 Tenth International Congress of the Historical Sciences, Rome, Italy, 4-11 September 1955.
- H.165 Correspondence re arrangements, May - September 1955.
- H.166 General Circular; manuscript itinerary.
- H.167 Twentieth International Physiological Congress, Brussels, Belgium, 30 July - 4 August 1956.

Correspondence *re* arrangements, April-July 1956; information booklet; manuscript notes.
- H.168-H.171 Visit to Czechoslovakia, June 1957.

Joseph and Dorothy Needham visited Czechoslovakia at the invitation of the Czechoslovak Academy of Sciences. Needham gave three lectures on 'The present position of the organiser problem in experimental embryology', 'Mathematics and science in Chinese and Western civilisation' and 'Contributions of mediaeval China to mechanical engineering and scientific instruments', and Dorothy two lectures on the biochemistry of muscular contraction and one on the chemical physiology of uterine muscle.

The Needhams then took a short holiday in Yugoslavia.
- H.168 Correspondence *re* arrangements for visit to Czechoslovakia, February - August 1957.
- H.169 Papers *re* arrangements for holiday in Yugoslavia, May-July 1957.
- H.170 Needham's manuscript notes on meetings with Czechoslovak scientists.
- H.171 Exchange of correspondence with G.D. Lu, June 1957.

Visits and conferences

- H.172-H.174 Visit to West Germany and Austria, August - September 1957.
- Needham attended the 24th International Congress of Orientalists at Munich, West Germany from 29 August - September. He then went on to holiday in Salzburg, Austria.
- H.172 Correspondence between Needham (in Munich) and Dorothy Needham in Cambridge, August 1957.
- H.173 Correspondence between Needham (in Munich and Austria) and Dorothy Needham in Cambridge, September 1957.
- H.174 Memorabilia from visit to Austria.
- H.175-H.177 Ninth International Congress of the History of Science, Madrid, Spain, 1-7 September 1959.
- Needham spoke in the session of history of technology.
- H.175 Correspondence *re* arrangements, March-July 1959.
- H.176 Correspondence between Joseph Needham and Dorothy Needham (in Cambridge), August-September 1959.
- H.177 Correspondence arising, October 1959-July 1960.
- H.178 USSR-Great Britain Society and Russian Biochemical Society Joint Meeting to Commemorate the Memory of Sir Frederick Gowland Hopkins, Moscow, USSR, 30 June 1961.
- Needham was invited to speak but the meeting was cancelled in view of the forthcoming Fifth International Congress of Biochemistry to be held in Moscow. It was rearranged for 14 December 1961 but Needham was unable to attend.
- Correspondence *re* arrangements, March-December 1961.

Visits and conferences

- H.179 Fifth International Congress of Biochemistry, Moscow, USSR, 10-16 August 1961.
Information booklet only.
- H.180, H.181 Asian History Congress, New Delhi, India, 9-13 December 1961.
Needham had planned to attend but funding difficulties meant that he had to cancel.
- H.180 Correspondence *re* arrangements, September - December 1961.
- H.181 Programme and list of participants.
- H.182-H.185 Second International Conference of Ancient Historians, Stralsund, East Germany, 3-9 September 1962.
Needham spoke on 'Glories and deficiencies of ancient Chinese science and technology' and Lu spoke on 'China and the origin of medical qualifying examinations'.
Before the conference Needham and Lu spent a short holiday in Denmark.
- H.182 Itinerary; correspondence *re* conference arrangements, April-August 1962.
- H.183 Correspondence *re* arrangements for visit to Denmark, July-September 1962.
- H.184 Correspondence between G.D. Lu, Joseph Needham (in East Germany and Denmark) and Dorothy Needham, July-September 1962.
- H.185 Memorabilia. Includes two photographs of Needham at the conference.
- H.186 Planned lecturing tour of India, December 1962.
The India International Centre and National Book Trust of India invited the Needhams to India to deliver a series of lectures on scientific and historical subjects.

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Visits and conferences

- /... However, after the border clash between India and China in October 1962, it was decided prudent in view of Needham's Chinese connections (and his Presidency of the Britain-China Friendship Association in particular), to postpone the visit.
- He learnt shortly before the postponement that he had been awarded the Sir William Jones Memorial Medal of the Asiatic Society of Bengal for 1962 (see A.745).
- Correspondence *re* arrangements, March-December 1962. Includes correspondence from J.B.S. Haldane *re* political situation in India.
- H.187-H.191 Visit to Romania, January 1963.
- The Needhams had been invited to visit Romania by the Academy of the Romanian People's Republic in 1961 and 1962. When the planned visit to India was postponed they were able to take up the Romanian offer at short notice. Needham gave lectures on the history of science and Dorothy Needham lectured on muscle biochemistry at a number of research centres.
- H.187 Correspondence *re* arrangements, 1961-1963.
- H.188 Manuscript list of lectures; poster for lectures by the Needhams at the Academy of the Romanian People's Republic, Bucharest, 16-18 January; itinerary for visit to Timisoara 24-26 January; manuscript notes.
- H.189 Small spiral bound notebook used for notes on visit, 10-23 January 1963.
- H.190 Photographs from visit.
- Found in three envelopes.
- 'JN's lecture on [Chinese] Med[icine] at the Union Med. Socs. Bucharest [15] Jan 63. 4 photographs.
- ' [Dorothy]'s lecture on uterus muscle at Endocrinol. Inst. Bucharest [29] Jan 63'. 3 photographs.
- With Vasile Mirza and family. 5 photographs.

Visits and conferences

- H.191 Correspondence arising, 1963-1965.
Includes cutting from *Contemporarul* newspaper, 21 August 1964, with Needham's reflections on his visit to Romania.
- H.192-H.196 Second International Pharmacological Meeting, Prague, Czechoslovakia, 20-23 August 1963.
Dorothy Needham spoke on Contractile proteins at the Symposium on the Pharmacology of Smooth Muscle. Joseph Needham accompanied her to Prague and visited colleagues at the Oriental Institute and the Institute of the History of Science and Technology.
Following the conference the Needhams had a holiday in Austria but Dorothy Needham returned to the UK earlier than her husband.
- H.192 Correspondence *re* arrangements, November 1962-June 1963.
- H.193 Manuscript itinerary; programme and information.
- H.194 Manuscript notes by Dorothy and Joseph Needham.
- H.195 Letters from Dorothy Needham (in Cambridge) to Joseph Needham (in Austria), September 1963.
- H.196 Correspondence arising, September-October 1963, n.d.
- H.197 Invitation to 26th International Congress of Orientalists, New Delhi, India, 4-10 January 1964.
- H.198-H.201 Visit to Sweden and Denmark, April 1964.
Needham was invited to lecture at the Universities of Stockholm and Uppsala, Sweden. He subsequently was invited to lecture at Stockholm and he took the opportunity to visit Denmark (in response to an invitation first made in 1956).

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Visits and conferences

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- He had also been invited to visit the University of Leiden but was unable to combine a visit to the Netherlands with that to Scandinavia.
- Needham lectured on 'Legacy of China', to the Danish Association for Cultural Relations with China, Copenhagen, 6 April, 'The concept of the Laws of Nature in China and the West', Aarhus University, 7 April, and 'Time and the Eastern Man', Copenhagen University, 8 April.
- He lectured on 'China's scientific influence on the western world' at the Wenner-Gren Center Foundation, Stockholm, 9 April.
- At Uppsala Needham gave lectures on 'Contacts and transmissions between China and the West in science and technology', 13 April, 'Laws of nature. The development of the conception of laws of Nature with relation to natural law and juristic philosophy in east and west', 14 April, 'Poverties and triumphs of the Chinese scientific tradition', 15 April, 'Bureaucratic feudalism, science and technology in China', 16 April and 'Taoism and science in China', 17 April.
- Dorothy Needham lectured on 'The biochemistry of the contractile mechanism of smooth muscle' to the Physiological Society of Stockholm, 10 April.
- H.198 Correspondence *re* visit to Sweden, November 1962 - June 1964.
- H.199 Correspondence *re* visit to Denmark, January - April 1964.
- Correspondence *re* earlier planned visit to Denmark, found with preceding, 1956-1957.
- H.200 Correspondence *re* possible visit to the Netherlands, October 1962-1964.
- H.201 Manuscript itinerary; list of lectures at Uppsala; press-cuttings on Needham's visit; memorabilia
- H.202 Commemorative Meeting to celebrate the centenary of the birth of Sir William Bate Hardy, Cambridge, 16-17 June 1964.
- Correspondence *re* arrangements; programme; information.
- H.203 Correspondence *re* invitation to visit India, March-June 1964.

Visits and conferences

- H.204 Invitation to National Conference on the History of Medicine, Bucharest, Romania, 27-29 May 1965, with letter declining.
- H.205-H.207 Eleventh International Congress of the History of Science, Poland, 24-29 August 1965.

The Needhams travelled to Poland via Austria where Joseph Needham attended a symposium convened by the Wenner-Gren Foundation, 16-24 August.
- H.205, H.206 Correspondence *re* arrangements and arising.
- H.205 July 1964-May 1965.
- H.206 June-September 1965.
- H.207 Manuscript itineraries; notes.
- H.208 Visit to CERN, Geneva, Switzerland, 24 March 1966.

Needham lectured on 'Clocks and rockets for Barons and Mandarins' to the CERN Staff Association.

Correspondence *re* arrangements, September 1965-March 1966; notice of lecture.
- H.209 International Congress of Maritime History, Beirut, Lebanon, September 1966.

Correspondence *re* arrangements, June, August 1966; manuscript notes; two photographs of conference occasions; annotated map of Beirut.
- H.210 Scientific conference, Denmark, 28-29 September 1967.

Correspondence *re* arrangements June-July 1967; manuscript notes; printed memorabilia.
- H.211 Invitation to Twenty-second International Congress for the History of Medicine, Bucharest, Romania, 30 August - 5 September 1970.

Visits and conferences

- H.212 Conference on Seventeenth Century Chinese Thought, Bellagio, Italy, 6-12 September 1970.

Correspondence February-August 1970; programme.
- H.213 Invitation to International Comenius Conference on Comenius and the Reform of Human Affairs, Prague, Czechoslovakia, 8-11 September 1970.
- H.214 Invitation to Twenty-eighth International Congress of Orientalists, Canberra, Australia, 6-12 January 1971.
- H.215 Invitation to World Organisation of General Systems and Cybernetics Congress, Oxford, 28 August - 1 September 1972.
- H.216-H.219 Visit to Ontario, Canada, 25 November - 7 December 1972

Needham was invited to the University of Toronto to receive an Honorary Doctorate on 3 December. He was accompanied by Dorothy Needham. In Ontario the Needhams also visited the University of Guelph, the Royal Ontario Museum and York University.

At the University of Guelph Needham spoke on 'The ancient Chinese roots of chemical medicine' and 'The coming of ardent water - a Central Asian discovery?' At the Royal Ontario Museum he spoke on 'Archaeology and science in contemporary China', 'Alchemy and early chemistry in East and West' and 'Classical botany in China' and at York University he gave a seminar on 'Cultural changes after the cultural revolution'.

Dorothy Needham spoke on University of Guelph on 'Muscle Contraction: From the Greeks to the Sliding Mechanism' and 'Questions concerned with the mechanism of contraction in vertebrate smooth muscle'.
- H.216 Correspondence *re* arrangements, March - November 1972.
- H.217 Itineraries and notices of lectures.
- H.218 Press-cutting from the *Toronto Globe and Mail*, 30 November 1972 reporting Needham's visit
- H.219 Correspondence between the Needhams and G.D. Lu, November, December 1972.

Visits and conferences

- H.227, H.228 Visit to Belgium, 16-19 March 1975.
- Needham was invited to Belgium as guest speaker at the Institut Hautes Études de Belgique, Brussels. He spoke on 'L'Evolution de la Technologie du Fer et de l'Acier en Chine'. While in Belgium Needham also spoke at a meeting of Amitiés Belgique-Chine in Brussels on the influence of modern thought on modern China and at the University of Ghent on early chemistry and the elixir idea in East and West.
- H.227 Correspondence *re* arrangements and arising, December 1973 - March 1975.
- H.228 Manuscript itinerary; programme of lectures at the Institut.
- H.229-H.233 Canadian Association for Asian Studies Annual Conference, Montreal, Canada, 12-14 May 1975.
- Needham spoke on 'History and human values: a perspective for Chinese science and technology'. While in Canada Needham visited colleagues at other research centres.
- H.229 Annotated programme.
- H.230 Itinerary; manuscript note of activities; annotated section of map of Toronto; notes on restaurants.
- H.231 Correspondence *re* arrangements, October 1974 - May 1975.
- H.232 5pp typescript 'Facteurs humains, facteurs techniques dans la developpement agricole de la Chine et de l'Inde' by G. Etienne (in French), with summary in English.
- H.233 Letter from Canadian Broadcasting Corporation thanking Needham for contribution to broadcast on 'Science et Société', 28 April 1975.

Visits and conferences

- H.234-H.238 Cecil H. and Ida Green Visiting Professor at the University of British Columbia, Vancouver, Canada, July - August 1975.
- Needham was first invited to take up the Professorship in 1972 but declined owing to prior engagements. Needham was able to take up the offer in 1975. He gave a number of lectures on aspects of the history of Chinese science.
- H.234 Correspondence *re* arrangements, May 1972 - August 1975.
- H.235 Notice of lectures to be given by Needham; manuscript itineraries.
- H.236 Correspondence between Needham and Dorothy Needham and G.D. Lu in Cambridge July - August 1975.
- H.237 Brochure for and Needham's manuscript notes on visit to the Lester Pearson College of the Pacific, Vancouver Island.
- H.238 Letters arising from Needham's visit, September and October 1975.
- H.239 Invitation to conference on Science in Society, Brussels, Belgium 24-25 February 1976 (declined).
- H.240 Invitation to UNESCO Forum on Social and Human Sciences and the Problem of Peace', Paris, France, 3-6 May 1976 (declined).
- H.241 Invitation to First Annual General Convention of the Indian People's Association of North America, Vancouver, Canada, 11-14 August 1976 (declined).
- H.242 Invitation to First Congress of the European Association of Chinese Studies, Paris, France, 5-11 September 1976 (declined).

Visits and conferences

- H.243-H.246 Fifteenth International Congress of the History of Science, Edinburgh, 10-19 August 1977.
- Needham spoke at the opening ceremony on 11 August and at the opening session in the symposium on Science and Human Values.
- H.243 Programme and list of participants; supplementary list of participants; programme for opening ceremony.
- H.244 Synopses of symposia papers.
- H.245 Manuscript itinerary and notes.
- H.246 Letter arising from B. Garcia-Diego, 9 November 1977, enclosing photograph of her meeting with Needham.
- H.247 Invitation to Symposium on Structures of Matter and Patterns in Science - A Symposium inspired by the Work and Life of Dorothy Wrinch, Smith College, Northampton, Massachusetts, USA, 28 September - 1 October 1977 (declined).
- H.248-H.252 Visit to Cyprus, 21 May - 4 June 1979.
- Needham was first invited to visit the Cyprus Research Centre, Nicosia in 1976 but declined. With British Council support he was able to take up the invitation in 1979.
- Needham gave two lectures on the theme of science and religion and one on the history of Chinese science, technology and medicine. He was interviewed on Cyprus television (see A.696 of this catalogue) and took part in a television discussion on Chinese science and civilisation (see G.138-G.140 of this catalogue). During his time in Cyprus he visited many sites of historic interest.
- H.248 Correspondence *re* arrangements, February 1978 - May 1979.
- H.249 Typescript and manuscript itinerary.
- H.250 Manuscript notes on sites visited and people met.

Visits and conferences

- H.251 Memorabilia from visit.
Cutting of article about Needham from Cypriot newspaper, 18 May 1979.
In Greek.
Annotated maps of Cyprus and Paphos Town.
- H.252 Correspondence arising from visit, June 1979 - January 1980.
Includes account of the visit to the British Council, 10 June 1979.
- H.253-H.258 First United Nations University Symposium, ?Cambridge, 12-13 March 1980.
Needham took part with A.A. Malik, Kenneth Robinson and Gregory Blue.
- H.253 Manuscript notes.
- H.254-H.258 121pp typescript of transcript of proceedings.
5 folders.
- H.259-H.262 British Society for Developmental Biology Symposium on the History of Embryology, Nottingham, 21-22 April 1983.
Needham chaired the symposium.
- H.259 Correspondence *re* arrangements and arising, June 1982 - January 1984.
- H.260 Brochure of programme and abstracts for symposia of British Society for Developmental Biology at Nottingham, April 1983.
- H.261 Needham's chairman's notes; manuscript draft of opening remarks and notes on proceedings.
- H.262 Printed biographical material on J. Holtfreter, 1982.
Found with symposium material.

Visits and conferences

- H.263 International Workshop on Structuralism in Biology, Osaka, Japan, 7-10
December 1986.
- Preliminary and tentative programmes only.
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- H.264 Conference of the Société Européene de Culture, Bari, Italy, 22-25 October
1988.
- Needham did not attend but sent a message of support to the opening
session.
- Brief correspondence including Needham's letter of support, June, July 1988.