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Catalogue of the papers and correspondence of

Sir Bernard Katz FRS

(1911-2003)

by Graham Tratt and Peter Harper
NCUACS catalogue no. 170/1/09

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Title: Catalogue of the papers and correspondence of Sir Bernard
Katz FRS (1911-2003), biophysicist

Compiled by: Graham Tratt and Peter Harper

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GENERAL INTRODUCTION

PROVENANCE

The material was received for cataloguing from University College London in April 2008.

OUTLINE OF THE CAREER OF SIR BERNARD KATZ

Bernard Katz was born in Leipzig, Germany, on 26 March 1911. His father, Max, was a Russian fur merchant who left Russia in 1904 and met his Polish wife Eugenie Rabinowitz in Germany. Because of this, Katz was a citizen of Tsarist Russia until the age of six, before becoming stateless due to the Russian Revolution, until he became a naturalized British citizen at the age of 30.

Katz attended the König Albert Gymnasium in Leipzig, having been refused entry to the Schiller Real-Gymnasium as it was deemed bad for their reputation to have a Russian Jew obtain the highest marks in the entrance examination. Here he followed a classical linguistic course rather than a mathematics and science based curriculum as it gave him more free time to play chess in Leipzig's cafés. Katz enjoyed playing chess and had to give it up to concentrate on his subsequent academic career, but managed to return to it in later life. Katz went on to study medicine at the University of Leipzig in 1929 (MD 1934). The course included anatomy, histology, physics and, under M. Gildemeister, physiology. Katz's first two scientific papers on frog muscle membrane permeability were published in *Pflügers Archiv* and used as the basis of his MD thesis. In February 1935 aged 23, Katz emigrated from Germany as a result of the growing anti-Semitism under Hitler. Katz had considered emigrating to Palestine for a position at the Hebrew University of Jerusalem, and through his Zionist connections met with C. Weizmann (later the first President of Israel). However, Weizmann lobbied A.V. Hill with support from M. Gildemeister, to secure a position for Katz at University College London. Katz travelled by train to Holland and then by ferry to Britain, "carrying a temporary visa, a League of Nations stateless-person's pass, a letter of recommendation from Martin Gildemeister and £4 in his pocket." (Colquhoun, *Physiology News*, 2003)

Katz began his PhD research at University College London under the tutelage of A.V. Hill, a man well known for his work in assisting Jewish refugees. Hill was a teacher whom Katz greatly respected and admired, describing his first years in Hill's laboratory as the most inspiring period of his life, and later writing the biographical memoir of Hill for the Royal Society.

Katz obtained his PhD in 1938, and moved to Australia the following year to work with J.C. Eccles and S.W. Kuffler at the Kanematsu Institute of Pathology at Sydney Hospital as a Carnegie Research Fellow, investigating neuromuscular synapse transmission and inhibition in crustaceans. Katz's work with Eccles and Kuffler during this period "still constitutes the basis for our understanding of how one cell transmits information to the next ... and the mechanisms of inhibition." (Nicholls & Hill, *J. Neurocytology*, 2003). Whilst in Australia Katz became a naturalised British citizen in 1941, allowing him to serve for a period in the Royal Australian Air Force, first as a radar officer on Goodenough Island, New Guinea, during the Pacific War against Japan, and then in the radiophysics laboratory at Sydney University.

In 1946 Hill invited Katz to return to Britain and University College London as Royal Society Henry Head Research Fellow and Assistant Director of Research in Biophysics. In 1950 Katz became Reader in Physiology, then Professor and Head of Biophysics following Hill's retirement in 1952.

During this time at UCL, Katz worked with A.L. Hodgkin on the role of sodium ions in generating action potentials, introducing the Goldman-Hodgkin-Katz equation and also studying ionic currents and the permeability of squid axons. Working with P. Fatt, he revealed the mechanism by which chemical transmitters released from nerve endings produce electrical currents in muscle and began looking at miniature endplate potentials, work which continued with J. Castillo and R. Miledi. Katz later said that they "provided many years of serious occupation and entertainment for me and my colleagues" (Katz, *Creativity Research Journal*, 1994). With J. Castillo he also worked on theories of quantal release and with R. Miledi on analysing the 'noise' produced by acetylcholine applied to the receptors. These experiments set the stage for E. Neher and B. Sakmann's subsequent development of the patch clamp technique, for which they were awarded the Nobel Prize in 1991.

Following his retirement in 1978, he became emeritus Professor and honorary research fellow. Katz continued to play an active role in refereeing papers, providing advice, and giving lectures until the late 1990s, when his beloved wife Rita became very ill and died, and as his own health deteriorated also.

Katz's work laid down fundamental principles in both physiology and pharmacology, and he is synonymous with both the discovery of the quantal nature of neurotransmitter release and the role of calcium in the release process. Along with the papers arising from his research, he also wrote the classic textbook *Nerve, Muscle and Synapse* which continues to be recommended reading on physiology courses.

Katz's scientific achievements were recognised by numerous honours and awards. He was elected to the Fellowship of the Royal Society (1952), gave the Croonian Lecture (1961), was awarded the Copley Medal (1967), and acted as Biological Secretary and Vice-President (1968-1976). In 1969

Katz was knighted. In 1970 he was jointly awarded the Nobel Prize for physiology and medicine with Ulf von Euler and Julius Axelrod 'for discoveries concerning the humoral transmitters in the nerve terminals and the mechanism for their storage, release and inactivation'. Amongst the many honorary degrees Katz received was one awarded by his *alma mater*, the University of Leipzig, and in 2000 a bronze tablet in his honour was unveiled in the University grounds.

Katz married Marguerite Penly (known as Rita) in Australia in 1945 shortly before returning to Britain. Together they had two sons, David, born in 1947 and Jonathan, born in 1950. Katz died peacefully in hospital on 20 April 2003.

For further information about Katz see his autobiography, given by Katz as the Bayliss-Starling Lecture in 1985 and published the following year in the *Journal of Physiology*. It was later reprinted in *The History of Neuroscience in Autobiography* in 1996 and a German translation titled 'Eine autobiographische Skizze' was also published. There is also a memoir by B. Sakmann, 'Sir Bernard Katz', *Biographical Memoirs of the Fellows of the Royal Society*, vol 53 (2007), 187-202.

DESCRIPTION OF THE COLLECTION

The papers cover the period 1929-2003.

Section A, Biographical, includes curricula vitae and lists of publications, the contents of Katz's 'personal biographical' and 'biographical notes' files, articles and press cuttings about Katz, as well as drafts and correspondence relating to his autobiographical writing. Katz's career, honours and awards are documented, 1943-2002 and include his time in the RAAF during the Second World War, his appointment and career at UCL, the awards of the Royal Society's Copley Medal and the Nobel Prize, and his 90th birthday celebrations. There are also photographs of Katz, Lady Katz, and scientific colleagues.

Section B, University College London, comprises a large amount of correspondence relating to the Department of Biophysics, 1947-1980, especially research funding from the Medical Research Council and departmental planning for a succession of University Grants Council quinquennia. There are also teaching records for a biophysics course and contributions to other science and medical courses and general correspondence with the UCL Provosts.

Section C, Research, is a substantial record in the form of notes on experiments, results, graphs, calculations, research proposals, correspondence, electron micrograph prints and drafts of papers. It is presented chronologically and is based on Katz's arrangement: pre-1950 work; work with Paul Fatt, 1948-1953; work with Jose del Castillo, 1953-1956; work with Stephen Thesleff, 1956-c.1961; work

with Ricardo Miledi, 1960, 1962; and work on muscle spindle of the frog, 1959-1960. The earliest records date from 1939 and relate to work on frog nerves in collaboration with A.L. Hodgkin. There is also the contents of a box folder titled by Katz 'Unfinished work (since 1957)', 1957-1960, and a little later material into Katz's retirement, latest date 1986.

Section D, Publications, covers the period 1932-2001 and includes correspondence, drafts, proofs and figures for the majority of Katz's published papers, most of which correspond to material in the research section. The section also contains substantial material for his seminal textbook *Nerve, Muscle and Synapse*, published in 1966, and his two Royal Society Biographical Memoirs for A.V. Hill (1978) and S.W. Kuffler (1982), including correspondence and biographical information on both men. There is also correspondence relating to Katz's positions on the editorial boards of the *European Journal of Pharmacology*, the *Journal of Neurophysiology* and the *Journal of Physiology*, several shorter articles and requests to write, and offprints of Katz's published papers, 1932-1996.

Section E, Lectures, covers lectures, speeches, and talks given by Katz 1949-1990, as well as a large number of undated lecture notes. Notable lectures include the Herter Lectures, John Hopkins University (1958), Dunham Lectures, Harvard University (1961), Croonian Lecture, Royal Society (1961), Forbes Lectures, Woods Hole (1980) and the first Carl Gustav Bernhard Lecture, Royal Swedish Academy of Sciences (1981).

Section F, Visits and Conferences, includes correspondence, photographs and lecture notes covering mostly overseas visits, 1952-1991, to conferences, symposia, congresses and courses. Notable visits include: 23rd, 24th and 26th International Congresses of Physiological Sciences (1965, 1967 and 1974), Symposium in honour of R. Couteaux, Paris (1979) and 60th birthday symposium for W. Riechardt, Tübingen (1984).

Section G, Societies and Organisations, presents records of sixteen British and international organisations with which Katz was associated and covers the period 1956-2002. By far the largest group of papers relates to the Royal Society which Katz served as Biological Secretary, 1968-1976. There is also documentation for a number of other organisations and committees which he served in an advisory capacity: Agricultural Research Council, Balzan Prize Foundation, Max Planck Institutes in Tübingen and Göttingen, and the Muscular Dystrophy Group.

Section H, Correspondence, is the most substantial in the archive, spanning the years 1953-2003. It is presented in six sequences of personal and scientific correspondence with colleagues broadly following Katz's original arrangement: research students and visiting workers (in Katz's department); colleagues and organisations; 'personal'; 'general'; 'scientific and technical' and 'references and requests'. Amongst significant correspondents are R. Couteaux, J.C. Eccles, A.L. Hodgkin, R. Miledi, R. Rahamimoff, B. Sakmann and S. Thesleff.

Section J, Non-textual material, comprises an extensive series of glass plates (134 boxes of plates) and of recording film (102 tins of Ilford 35mm film), both containing dated results from Katz's research 1946-1957. There are also slides used in talks and lectures, as well as a small number of audio and audiovisual tapes including a symposium honouring the legacy of A.L. Hodgkin and an interview with Katz for German television.

There is also an index of correspondents.

Graham Tratt
Bath, January 2009

SECTION A	BIOGRAPHICAL, A.1-A.111	1929-2003
	A.1-A.19	BIOGRAPHICAL AND AUTOBIOGRAPHICAL
	A.20-A.93	CAREER, HONOURS AND AWARDS
	A.94-A.111	PHOTOGRAPHS
A.1-A.19	BIOGRAPHICAL AND AUTOBIOGRAPHICAL	1965-2003
	A.1-A.10	Biographical Files
	A.11-A.17	Autobiography
	A.18-A.19	Miscellaneous articles and press cuttings
A.1-A.10	Biographical Files	1965-2003
A.1-A.2	CV & Publications list	1966-1986
	Curriculum Vitae of Katz (up to 1982) and assorted lists of publications 1934-1986. Also a further list of Katz offprints 1934-1982 (see D.212-D.213 for the offprints these relate to), and a reprint distribution list dated 1966.	
	2 folders.	
A.3-A.7	'Personal Biographical File'	1965-1996
	Contents of a folder so inscribed.	
	Contents include publications lists, Academia Europaea certificate, correspondence with <i>Who's who</i> re his entry, awards of honorary degrees, honorary memberships, published biographical notes (in English and German), oral history project at the Imperial War Museum, recollections, correspondence and information to go on his Royal Society biographical file, correspondence with HH Dale, JC Eccles, AL Hodgkin, letters selected by Katz showing his views on topics including history, science, funding, alphabetical authorship of papers and anti-Semitism.	
	5 folders.	

Biographical, A.1-A.111

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|-----------|---|-------------|
| A.8-A.9 | 'Biographical Notes II' | 1992-2003 |
| | Contents of a folder so inscribed. | |
| | Contents include correspondence with <i>Who's who</i> , correspondence <i>re</i> Albertiner school alumni, correspondence for his Royal Society information file, reports and signed cards on the occasions of the Bernard Katz lectures, photocopies of press cuttings and articles, awards of honorary degrees, UCL newsletters, creation of the Bernard Katz Society at UCL. | |
| | 2 folders. | |
| A.10 | Japanese correspondence | 1992-1999 |
| | Correspondence with the Japanese publisher Say International <i>re</i> permission to reprint articles and illustrations on Nobel Prize winners, biographical interview and requests to fill in biographical questionnaire. Includes Katz's replies and copies of biographical material sent to the publisher. | |
| | For a VHS video which appears to be related to this material, see J.250. | |
| A.11-A.17 | Autobiography | c.1991-1998 |
| | The autobiography began with the title 'For amateurs only'. Katz started work on the project intending to write a longer book but only completed the first part of it. It was given by Katz as the Bayliss-Starling Lecture in 1985 and subsequently published in the <i>Journal of Physiology</i> in 1986. It was later reprinted in 'The History of Neuroscience in Autobiography' in 1996. A German translation titled 'Eine autobiographische Skizze' was also published. | |
| | For Bayliss-Starling lecture material, see D.163-D.168. | |
| A.11-A.12 | 'For Amateurs Only' drafts | c. 1991 |
| | The folder was inscribed 'Sloan Found[ation] Written chapters'. | |
| | Three typescript drafts 'For Amateurs Only' by Katz with amendments. Also correspondence with E Kandel and early outline of chapter, dated 1991. | |
| | | /... |

Biographical, A.1-A.111

- /... 2 folders.
- A.13-A.14 'For Amateurs Only' drafts c. 1994
Typescript full draft of 'For Amateurs only' with covering note to David Katz (his son), dated 1994. Also manuscript draft, partial typed draft, chapter outlines and draft notes for proposed chapters 9 and 11.
2 folders.
- A.15 'Eine Autobiographische Skizze' c. 1994
Four printed and faxed drafts of translated German version, with different manuscript additions and corrections on each.
- A.16 Society for Neuroscience Correspondence 1994-1998
Correspondence with the Society for Neuroscience re Katz's autobiography and its publication in 'The History of Neuroscience in Autobiography'.
Correspondence re progress of the book, amendments to the chapter, publication and initial request to write the chapter. Also includes a copy of the original publication in *Journal of Physiology*, and later correspondence with Peter Frieß re online re-publication.
- A.17 Photocopy of published autobiography n.d.
Photocopy of the autobiography taken from 'History of Neuroscience in Autobiography'
- A.18-A.19 Miscellaneous articles and press cuttings 1981-1999**
- A.18 English 1990
Daily Telegraph Science Extra supplement.
- A.19 German 1981-1999
Press cutting from *Leipzig Volkszeitung* and biographical/ review articles in *Naturwissenschaftliche Rundschau* and *Physiologie*.

Biographical, A.1-A.111

A.20-A.93 CAREER, HONOURS AND AWARDS 1943-2002

- A.20-A.44 Royal Australian Air Force
- A.45-A.52 University College London
- A.53 Copley Medal
- A.54-A.90 Nobel Prize
- A.91-A.93 90th Birthday

A.20-A.44 Royal Australian Air Force 1943-2002

Material includes reports submitted by Katz, lecture notes, correspondence with colleagues and publications relating to his time with the RAAF.

A.20 RAAF reports by Katz 1943

Two copies of typescript report titled 'Lighting of radar installations with special reference to No. 207 radar station' and four copies of typescript report titled 'An electric 'reaction meter' suitable for prolonged performance tests' both submitted by Flying Officer Katz, 1943.

A.21-A.24 'Radiophysics Notes (Bailey Lectures I)' c. 1943

Contents of a folder so inscribed.

Lecture handouts numbered 1-26 titled 'Radio Physics Training' from Katz's service period working on radio location [radar] with the RAAF.

4 folders.

A.25-A.27 'Radiophysics Notes Amplifier-Oscillators' c. 1943

Contents of a folder so inscribed.

Radio Physics Training Lecture notes on Amplifiers and Oscillators.

3 folders.

Biographical, A.1-A.111

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|-----------|--|-------------------------|
| A.28-A.31 | Radiophysics Lecture Notes

Lecture handouts relating to the practical course in Radio Physics Training.

4 folders. | c. 1943 |
| A.32-A.33 | Radiophysics Lecture Notes

Lecture handouts on the operation, use and adjustment of machinery and equipment in practical sessions.

2 folders. | c. 1943 |
| A.34 | 'Secret action of 305'

Book by Norm Smith & Frank Coghlan, including a foreword by Katz, who was the radar station's first commanding officer. | 1989 |
| A.35 | Radar Yarns

Spiral bound collection of memories and stories of RAAF personnel, edited by Ed Simmonds and Norm Smith. Number 14 of a limited edition of 50, signed by both authors to Katz. | 1991 |
| A.36 | 'Echoes over the Pacific'

Book by Ed Simmonds & Norm Smith, signed to Katz by both authors. | 1995 |
| A.37-A.39 | Correspondence with WN 'Norm' Smith

Contents of a folder inscribed 'WN Smith I'.

Correspondence with WN Smith, a colleague from Katz's time in the RAAF, re RAAF reunions (including some photographs), nostalgia, news, publication of a book on the RAAF (including an early draft), visits. Also includes RAAF maps of Papua New Guinea, memos and orders, dated 1943-1945.

3 folders. | 1943-1945,
1981-1988 |

Biographical, A.1-A.111

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|------------------|---|------------------|
| A.40-A.43 | Correspondence with WN 'Norm' Smith

Contents of a folder inscribed 'WN Smith II'.

Personal correspondence with Smith <i>re</i> illness and death of Lady Katz, family news, RAAF reunions and newsletters, problems of old age, book by Smith on the RAAF, nomination of Smith for award of the Order of Australia, discussions on the weather.

4 folders. | 1989-2002 |
| A.44 | War pension

Correspondence with the Australian High Commission and the Department of Veterans' Affairs, <i>re</i> Katz's application for a disability pension due to back pain and sciatica. It was refused as the condition was not war-caused. | 1992-1993 |
| A.45-A.52 | University College London | 1949-1998 |
| A.45-A.47 | Appointment at UCL

Correspondence with UCL (mainly with Provost) <i>re</i> Katz's appointment and re-appointments to posts, as well as <i>re</i> pensions, retirement, staff procedures and regulations.

3 folders. | 1949-1986 |
| A.48 | UCL Newsletters

Three issues of UCL newsletters including reports on the opening of the Eisai London Research Laboratories in the Bernard Katz building at UCL. | 1992-1993 |
| A.49 | <i>Camden New Journal</i>

Press cutting from local newspaper <i>re</i> opening of the Eisai London Research Laboratories, with manuscript annotation by Katz. The newspaper later issued an apology for referring to 'the late Sir Bernard Katz' in the article. | 1993 |

Biographical, A.1-A.111

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|------------------|--|------------------|
| A.50 | Eisai London Research Laboratory | 1993 |
| | Promotional material including message of welcome, Eisai annual report and UCL Universe magazine, relating to the opening of the Eisai London Research Laboratories in the Bernard Katz building at UCL. | |
| A.51 | Portrait unveiling - Newsletter | 1998 |
| | UCL newsletter reporting on the unveiling of a portrait of Katz at UCL. | |
| A.52 | Portrait unveiling - Photographs | 1998 |
| | Fifteen colour photographs taken at the unveiling of a portrait of Katz at UCL in 1998. | |
| A.53 | Copley Medal | 1967 |
| A.53 | Correspondence | 1967 |
| | Correspondence with the Royal Society <i>re</i> the award, as well as letters of congratulations from many scientists including: N Kurti, WL Bragg, AL Hodgkin, HO Schild, O Lowenstein, EJ Denton, JZ Young, G McRobert, A Neuberger, R Drew, HA Krebs, HH Dale, AV Hill, JC Eccles. Also reprint from <i>Proc. Roy. Soc. re</i> the award. | |
| A.54-A.90 | Nobel Prize | 1970-2002 |
| | Katz was jointly awarded the Nobel Prize in Physiology or Medicine with Ulf von Euler and Julius Axelrod in 1970. | |
| | A.54-A.63 Award | |
| | A.64-A.87 Later Nobel occasions and associations | |
| | A.88-A.90 Nominations | |

Biographical, A.1-A.111

A.54-A.63	Award	1970-1976
A.54-A.56	Arrangements and invitations Correspondence <i>re</i> arrangements, accounts, invitations to lectures, meetings, dinners and interviews dated 1970-1973. Also some later circulars and invitations dated 1975-1976. Correspondents include Count Lennart Bernadotte, CG Bernhard. 3 folders.	1970-1976
A.57	Publication of lecture Correspondence, drafts and proofs of Katz's Nobel lecture.	1970-1971
A.58-A.59	Correspondence Letters of congratulation from colleagues and friends. 2 folders.	1970-1971
A.60-A.61	Press cuttings Press articles and magazines <i>re</i> Katz's award, including <i>Biomedical news</i> , <i>Médecine et hygiène</i> (in French), <i>Journal of the Israel Medical Association</i> (in Hebrew), <i>Science news</i> , <i>Chemical and Engineering News</i> , and <i>British Medical Journal</i> . 2 folders.	1970
A.62	Requests for publicity photographs Correspondence and requests from Leo Baeck Institute, National Library of Medicine and Groliers Encyclopedia for a photograph for publication.	1970

Biographical, A.1-A.111

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|-----------|---|-----------|
| A.63 | Behind the scenes | 1971 |
| | 'The Nobel Prize ceremonies – Behind the Scenes'.
Reprint from 'Touch, Tickle and Pain' by Y Zotterman,
signed to Katz by the author | |
| A.64-A.87 | Later Nobel occasions and associations | 1974-2002 |
| | A.64-A.75 Lindau meetings of Nobel prize winners | |
| | A.76-A.78 Nobel Jubilee | |
| | A.79-A.83 Publications and media | |
| | A.84-A.87 Autographs | |
| A.64-A.75 | Lindau meetings of Nobel prize winners | 1974-1999 |
| A.64 | 9th meeting of Nobel prize winners for Medicine, Lindau,
Germany, 1975 | 1974-1975 |
| | Correspondence <i>re</i> arrangements, travel and invitations.
Also information leaflets <i>re</i> the meeting. Majority of
correspondence is with L Bernadotte (Kuratorium
President). | |
| A.65-A.66 | 10th meeting of Nobel prize winners for Medicine, Lindau,
Germany, 1978 | 1977-1980 |
| | Correspondence, draft articles and lecture notes. | |
| A.65 | Correspondence and article | 1977-1980 |
| | Correspondence <i>re</i> invitation, arrangements for lecture
and visit. Also circulars from Amnesty International, train
tickets, letter and photograph of Katz with Hanns-
Henning Kunckel. Also correspondence, drafts and
proofs of article for <i>Die Naturwissenschaften</i> based on
the lecture given by Katz. | |
| | Correspondents include L Bernadotte. | |

Biographical, A.1-A.111

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|------|--|-----------|
| A.66 | Lecture notes | 1978 |
| | Draft lecture notes on the properties of ion channels. Also further lecture notes in English, and notes for the same lecture in German with manuscript additions. | |
| A.67 | 11th meeting of Nobel prize winners for Medicine, Lindau, Germany, 1981 | 1980-1981 |
| | Correspondence <i>re</i> invitation, travel, arrangements, lectures and finance. Also typescript drafts in English and in German of his lecture for publication titled 'Recent developments in the field of chemical neurotransmission'. Also German lecture notes titled 'Neuere entwicklungen auf dem gebiet der chemischen neurotransmission', with manuscript additions. | |
| | Correspondents include E Segatz and L Bernadotte. | |
| A.68 | 12th meeting of Nobel prize winners for Medicine, Lindau, Germany, 1984 | 1983-1986 |
| | Correspondence (mostly in German) and notes <i>re</i> invitation, lecture titles, arrangements and travel for the meeting. Also typescript drafts of lecture as given and edited for later publication. | |
| | Correspondents include L Bernadotte, E Segatz, R Hahn. | |
| A.69 | 13th meeting of Nobel prize winners for Medicine, Lindau, Germany, 1987 | 1987-1989 |
| | Correspondence (mainly in German) <i>re</i> invitation, arrangements, programmes, lectures and arising. Also draft typescript lectures in English and in German, and later correspondence (in German and English) with R Hahn and <i>re</i> the 80th birthday of Lindau organiser L Bernadotte. | |
| A.70 | 14th meeting of Nobel prize winners for Medicine, Lindau, Germany, 1990 | 1989-1990 |
| | Correspondence (mostly in German) <i>re</i> invitation, programmes, events, arrangements, and travel for the meeting, and also with colleagues and friends following the event. | |
| | | /... |

Biographical, A.1-A.111

- /... Correspondents include L Bernadotte, R Hahn.
- A.71-A.73 15th meeting of Nobel prize winners for Medicine, Lindau, Germany, 1993 1993
Katz gave a lecture titled 'Some thoughts about neurotransmitter secretion'.
- A.71 Correspondence 1993
Correspondence, some in German, *re* invitation, arrangements, travel, programme and lecture. Also notes *re* travel times and prices and a colour photograph of Katz with three other attendees (unidentified).
- A.72-A.73 Lecture publication 1993
Correspondence with *Interdisciplinary Science Review* *re* publication of lecture on neurotransmitter secretion. Also includes typescript drafts, proof of article and offprints of other articles relating to the subject.
2 folders.
- A.74 16th meeting of Nobel prize winners for Medicine, Lindau, Germany, 1996 1995-1996
Correspondence with L Bernadotte and I Schielin *re* invitation, arrangements, travel, health of Katz and his wife. Also some later correspondence inviting Katz to the 1999 meeting which he could not attend due to the ill health of his wife.
- A.75 17th meeting of Nobel prize winners for Medicine, Lindau, Germany, 1999 1999
Advertising poster for the meeting, featuring a picture of Katz giving a discussion lecture. Attached is a post-it note reading 'Dear BK. This is a remembrance of very happy times. Bert [Sakmann]'

Biographical, A.1-A.111

- | | | |
|-----------|---|-----------|
| A.76-A.78 | Nobel Jubilee | 1991-1992 |
| | <p>The Nobel 90th Jubilee in 1991 was based in Stockholm, Sweden, with further related events held elsewhere in the country. Katz lectured in Göteborg and Lund.</p> | |
| A.76 | Göteborg Universitet | 1991-1992 |
| | <p>Katz gave a lecture titled 'Planning and following the unexpected in neurophysical research'.</p> <p>Correspondence with Å Vallbo of the University <i>re</i> invitation, arrangements, itinerary, travel and lectures.</p> | |
| A.77 | Nobel Neuroscience Symposium, Karolinska Institutet, Stockholm | 1991-1992 |
| | <p>Katz gave a lecture titled 'Looking back at the Neuromuscular Junction'.</p> <p>Two colour photographs of Katz giving a speech, correspondence with Karolinska Institutet symposium organisers <i>re</i> invitation, arrangements and programmes. Also hotel bills and receipts, further correspondence with organisers <i>re</i> travel expenses and air fares.</p> | |
| A.78 | Lund University | 1991 |
| | <p>Katz gave a lecture titled 'Planning and following the unexpected in neurophysiological research'.</p> <p>Correspondence with Lund University <i>re</i> invitation, itinerary, lecture and arrangements.</p> | |
| A.79-A.83 | Publications and media | 1990-2001 |
| A.79 | <i>Naturwissenschaftliche Rundschau</i> | 1990 |
| | <p>Article in German titled 'Nobelpreisträgertagung in Lindau'.</p> | |

Biographical, A.1-A.111

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|-----------|---|-----------|
| A.80 | German TV Interview | 1991-1993 |
| | <p>Correspondence with H Walter of International Media Productions <i>re</i> interviews with Nobel Laureates including Katz for series 'The Silent Stars'. Also broadcast information and transcript of interview and programme.</p> <p>For a VHS video of the programme see J.249.</p> | |
| A.81 | Universität Leipzig | 1997 |
| | <p>Magazine including article on Katz and other Nobel prize winners who attended the Karl Ludwig Institut für Physiologie. Also an accompanying offprint from <i>J. Mol. Cell. Cardiol.</i> on Karl Ludwig.</p> | |
| A.82 | <i>Hypertension</i> | 1999 |
| | <p>Framed issue of <i>Hypertension</i> celebrating its 20th anniversary in 1999, featuring a photograph of Katz with Euler and Axelrod receiving Nobel prize on the front cover.</p> | |
| A.83 | Nobel Prize centennial brochure | 2001 |
| | <p>Publication titled 'Nobel Prize Centennial 1901-2001: Laureate stamps and inscriptions' by Fei Binhai, containing colour reproductions of postage stamps and signatures commemorating Laureates, including an entry on Katz.</p> | |
| A.84-A.87 | Autographs | 1970-1983 |
| A.84-A.87 | Requests for autographs and advice. | 1970-1983 |
| | <p>A large amount of correspondence, mostly seeking autographs or photographs from Katz. Also includes some questions for Katz <i>re</i> science, his work and general medical queries. Some material is in German.</p> <p>4 folders.</p> | |

Biographical, A.1-A.111

A.88-A.90	Nominations	1971-2002
A.88	Nominations Correspondence <i>re</i> nominations for the Nobel Prize by Katz in 1972, 1979 and 1981.	1971-1981
A.89-A.90	Nominations and articles Correspondence and related biographical material <i>re</i> nominations for the Nobel Prize by Katz. 2 folders.	1983-2002
A.91-A.93	90th birthday	2001
A.91-A.92	Correspondence Letters of congratulation in honour of Katz's 90th birthday, including cards, letters (in English and German) and a comb-bound collection of letters from R Rahamimoff and his Israeli colleagues and students. 2 folders.	2001
A.93	<i>Naturwissenschaftliche Rundschau</i> Article on Katz in honour of his 90th birthday. German.	2001

Biographical, A.1-A.111

A.94-A.111	PHOTOGRAPHS	1929-2000, n.d.
	A.94-A.98 Katz	
	A.99-A.102 Katz with colleagues	
	A.103-A.104 Lady Katz	
	A.105-A.107 Colleagues	
	A.108-A.111 Miscellaneous	
A.94-A.98	Katz	1929-1981, n.d.
A.94	Katz photograph, aged 18	1929
	Three photographic prints of Katz used for his driving licence in 1929.	
A.95	Katz photographs and negatives	c. 1950
	Small film box containing 7 passport size black and white photographs of Katz, dated 1950 on the reverse. Also 9 slightly larger black and white photographs of Katz, earlier than 1950 with 2 glass plate negatives of the picture. Also a small envelope containing two passport size photographs of Rita (Lady Katz), and 4 negatives showing Katz.	
A.96	Katz photograph, aged 70	1981
	Black and white photograph of Katz, taken in 1981.	
A.97	Katz photograph, working	n.d.
	Small black and white photograph showing Katz at work with a petri dish and microscope.	
A.98	Katz photograph	n.d.
	Black and white copy of a colour slide of Katz, from the Physiological Society Archive.	

Biographical, A.1-A.111

A.99-A.102	Katz with colleagues	1940-1980, n.d.
A.99	Katz with Eccles and Kuffler Two black and white slides showing Eccles, Katz and Kuffler together, one dated 1940 at Martin Place, Sydney, one dated 1972 at an Oxford symposium.	1940, 1972
A.100	Royal Society photographs Six large mounted photographs of Katz and others, at Royal Society occasions. One of the photographs includes AL Hodgkin. Probably late 1960s and early 1970s.	c. 1960s- 1970s
A.101	HO Schild symposium Comb-bound programme including photographs (including two of Katz) from the symposium held in honour of HO Schild in Basle. For correspondence relating to the symposium, see F.41	1980
A.102	Group photograph Colour photograph mounted in 'sincroflash limited' folder, of a group of people including Katz, probably at a symposium or meeting, undated.	n.d.
A.103-A.104	Lady Katz	n.d.
A.103	Rita (Lady Katz) and family Computer printed photographs of Rita's family [based on one member identified as Margerita], including names and dates of birth/death of individuals.	n.d.
A.104	Negatives - Lady Katz Contents of an envelope inscribed 'Rita (negatives)', namely one strip of 35mm film negatives of Rita Katz.	n.d.

Biographical, A.1-A.111

A.105-A.107	Colleagues	n.d.
A.105	AV Hill print Computer printout of a black and white photograph of AV Hill inscribed 'AVH 1923' in bottom right corner.	n.d.
A.106	AV Hill - Bust One colour and two black and white photographs of a bust of AV Hill [Probably the bust on display in the AV Hill Physiology lecture theatre at UCL].	n.d.
A.107	KS Cole Black and white photograph of a man in a bowtie, signed 'Bernhard - I'm expecting an even better perspective! Kacy' [Kenneth Stewart Cole]	n.d.
A.108-A.111	Miscellaneous	2000, n.d.
A.108	Leipzig plaque photographs Small photograph album containing photographs from the unveiling of a plaque in honour of Katz in Leipzig, including information on who is in each picture (in German). Also includes a compact disc of an audio recording of the ceremony.	2000
A.109	Laboratory equipment Small black and white photograph of laboratory equipment, possibly an oscilloscope.	n.d.
A.110	Negatives - White envelope Contents of a white envelope inscribed 'Negatives'. Fourteen negatives in tissue paper, possibly of lecture slides, including text, images of cells, and figures of measurement results.	n.d.

Biographical, A.1-A.111

A.111	Negatives - Manilla envelope	n.d.
	Contents of a manilla envelope inscribed 'Negatives'.	
	Fifteen negatives, showing figures, graphs and measurement results.	

SECTION B UNIVERSITY COLLEGE LONDON, B.1-B.89 1947-1982

- B.1-B.44 DEPARTMENT OF BIOPHYSICS
- B.45-B.63 TEACHING
- B.64-B.70 STAFFING AND APPOINTMENTS
- B.71-B.86 GENERAL UNIVERSITY BUSINESS
- B.87-B.89 EXTERNAL ORGANISATIONS

B1.B.44 DEPARTMENT OF BIOPHYSICS 1947-1980

- B.1-B.19 Funding
- B.20-B.40 Planning
- B.41-B.44 Other departmental material

B.1-B.19 Funding 1948-1978

B.1-B.4 Nuffield Foundation Grant 1952-1970

Correspondence *re* progress reports, proposed projects, and accounts, relating to two grants from the Nuffield Foundation to the Department of Biophysics (for £11,000 in 1952 and £15,000 in 1957) to fund equipment including electron microscopes as well as Scientific and Technical Assistants.

Correspondents include Nuffield Foundation and UCL Provost.

4 folders.

B.5-B.10 ICI Film grant 1948-1955

Material relating to a film on electrophysiology, made and funded by ICI, which possibly also formed the basis of an article by Katz in *Scientific American*.

Correspondence with ICI and SIMPL (Scientific Industrial & Medical Photographic Labs Ltd) *re* progress reports, commentary, scripts, illustrations and filming arrangements. Also includes draft scripts, accounts, invoices, receipts and one black and white photograph of an experiment.

6 folders.

University College London, B.1-B.89

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| B.11-B.12 | MRC Research Grants | 1968-1975 |
| | <p>Correspondence with the grants section of MRC and the finance department of UCL <i>re</i> MRC grants for research and for staff. Also includes authorisation forms for grants and reports on work undertaken.</p> <p>2 folders.</p> | |
| B.13 | MRC Neurochemistry Grant | 1969-1972 |
| | <p>Correspondence with MRC <i>re</i> nine-year grant for neurochemistry research.</p> | |
| B.14 | MRC Grant-paid Research Workers | 1970 |
| | <p>Correspondence and copy correspondence with MRC and UCL secretaries <i>re</i> salaries of grant-paid research workers who are also undertaking higher degrees.</p> | |
| B.15 | MRC Grant for Miledi | 1969-1974 |
| | <p>Correspondence with MRC and with UCL Provost <i>re</i> MRC grant for R Miledi. Also includes grant application form for a nine-year research programme.</p> | |
| B.16-B.17 | MRC Grants and Accounts | 1970-1978 |
| | <p>Correspondence and circulars from the UCL Provost. Also minutes of staff meetings and accounts <i>re</i> departmental grants and funding allocations.</p> <p>2 folders</p> | |
| B.18 | MRC Sub-Committee Visit | 1971-1972 |
| | <p>Correspondence with MRC <i>re</i> visit of sub-committee to Katz's department in 1972. Also progress reports on work undertaken.</p> | |

University College London, B.1-B.89

B.19	MRC Research Studentship Applications MRC application forms for the allocation of research studentships for the department.	1977-1978
B.20-B.40	Planning	1949-1976
B.20-B.21	Quinquennium 1957-1962 Correspondence with the UCL Provost, Secretary and other department heads <i>re</i> estimates and policies for grants and staff. Also includes committee circulars, requests and information. 2 folders	1954-1960
B.22	Quinquennium 1962-1967 Correspondence with UCL Finance Secretary <i>re</i> equipment and student requirements.	1960-1962
B.23	Quinquennium 1967-1972 Correspondence with UCL Secretary and Finance Secretary <i>re</i> staffing, estimates and cost analysis exercise.	1965-1967
B.24	Quinquennium 1972-1977 Correspondence with UCL Secretary <i>re</i> staffing and development of the department.	1969-1970
B.25	Quinquennium 1977-1982 Correspondence with the UCL Secretary <i>re</i> preliminary thoughts on quinquennium plans.	1974
B.26-B.31	'Planning' Contents of a folder so inscribed.	1949-1966 /...

University College London, B.1-B.89

- /... Correspondence, reports and information *re* the expansion and rebuilding of the Biophysics department accommodation, and needs for new space and equipment.
- Correspondents include UCL Provost, UCL Secretary and other department heads including GL Brown, JAB Gray, JL Parkinson, JZ Young.
- B.30 contains correspondence dated 1949-1951 between AV Hill, the Provost and JZ Young *re* proposals for the creation of the UCL Biophysics department.
- 6 folders.
- B.32-B.35 'Planning' 1965-1970
- Contents of a folder so inscribed.
- Correspondence, reports and circulars *re* progress and problems during the building of an extension to the Biological Sciences building, backed by funding from the Wellcome Trust. Also includes correspondence *re* the visit of Wellcome Trustees to the laboratories once completed.
- Correspondents include UCL Provost, UCL Bursars, UCL Secretary, Wellcome Trust.
- 4 folders.
- B.36 Todd report 1968
- Copy correspondence (mostly photocopied) from SP Datta (Dean of Medical Science) to others (mainly the UCL Provost and the University of London Principal) *re* proposals of the Todd report to create a combined medical school with UCL, UCHMS (University College Hospital Medical School) and RFHSM (Royal Free Hospital School of Medicine). Also includes correspondence arising between Katz and Datta, and between Katz and Todd.
- B.37-B.39 Todd report 1972
- Correspondence, notes, reports and meeting minutes *re* Todd report proposals to create a combined medical school with UCL, UCHMS and RFHSM. /...

University College London, B.1-B.89

- /... Mostly copy correspondence between UCL Provost, UCL Secretary, heads of the other colleges involved and Katz.
3 folders
- B.40 'Planning file 1975' 1975-1976
Contents of a folder so inscribed.
Correspondence with Dean of Medical Sciences *re* planning for student loads, developmental priorities, staffing and allocations for the next quinquennium. Also includes some handwritten notes made by Katz during meetings.
- B.41-B.44 Other departmental material 1947-1980**
- B.41 Radiation and Building Work 1959-1976
Correspondence with UCL Secretaries and colleagues in Katz's building *re* maintenance work, the safety issues of working with radioactive materials in the building, training courses and the use of fume cupboards. Mostly 1959-1966 but also includes some later material dated 1973 and 1976.
- B.42-B.43 Animal Experiment Licenses 1947-1980
Correspondence with the Home Office *re* licenses for animal experiments and undertakings from one researcher to another (1976-1980) and copies of the licences (1947-1950). Also includes guidance notes on experiments produced by the Research Defence Society and the Physiological Society.
2 folders.
- B.44 Departmental Publication Lists 1978-1980
Draft and final departmental publication lists, for inclusion in the University annual reports for the sessions 1978/79 and 1979/80.

University College London, B.1-B.89

B.45-B.63	TEACHING	1947-1977
B.45-B.49	Transmission of Excitation lectures	1947
	<p>Katz gave a series of six lectures for students and the public titled 'Transmission of excitation in nerve and muscle' in the autumn term of 1947.</p> <p>Posters advertising the series, manuscript notes for the lectures and <i>re</i> slides, typescript lecture notes mostly titled 'lecture I' and 'Lecture II', three typescript copies of discussion by Katz titled 'Excitation at the neuromuscular junction'.</p> <p>5 folders.</p>	
B.50-B.51	Teaching topics and notes	c.1950-1960s
	<p>Handwritten notes including problems and examination questions to be set for students, and topics to be covered in lectures.</p> <p>2 folders.</p>	
B.52	Experimental data	1963
	<p>'Height' and 'Interval' experimental data returned to Katz by Birkbeck College</p>	
B.53	BSc Course notes	1968-1969
	<p>Notes <i>re</i> arrangements, reading material, experiments to be undertaken, calculations and draft lists of lectures for the 1968/1969 BSc course.</p>	
B.54-B.55	Student load statistics	1968-1977
	<p>Correspondence and reports <i>re</i> cost analysis and student loads for the academic years 1972/73-1976/77, including Katz's returns in response to requests for student numbers.</p> <p>2 folders.</p>	

University College London, B.1-B.89

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| B.56-B.57 | 'Teaching' | 1970-1977 |
| | Contents of a folder so inscribed. | |
| | Correspondence and circulars <i>re</i> courses, training, teaching plans and student loads. | |
| | Correspondents include UCL Secretary, UCL Registrars and other heads of departments. | |
| | 2 folders. | |
| B.58 | '2nd year Half-unit Course in Biophysics' | c. 1973 |
| | Contents of a folder so inscribed. | |
| | Overview of proposed course, correspondence between AR Gardner-Medwin and R Miledi enclosing Physiology course overviews, course notes on muscle fibre membranes and squid axons. | |
| B.59 | Instrumentation course notes | 1973 |
| | Katz gave a lecture on electrophysiology as part of the course. | |
| | List of lectures and course information, correspondence inviting Katz to give a lecture for the course, manuscript notes and lecture notes. | |
| B.60 | Medical and Science Lecture notes | c. 1974 |
| | Manuscript notes and diagrams for lectures given to students in other disciplines, including a course of six lectures given to second year medical students and a course of five lectures to second year science students. | |
| B.61 | Other Biophysical courses in the UK | n.d. |
| | List of Biophysics courses taught at other Universities in the UK. | |

University College London, B.1-B.89

B.62	Senior Physiology Course notes Course handouts for 'Senior Physiology Class' on 'Special senses' (mostly <i>re</i> the eye).	n.d.
B.63	Endplate Potential seminar notes Notes for a seminar on endplate potential and for an unidentified lecture.	n.d.
B.64-B.70	STAFFING AND APPOINTMENTS	1952-1979
	Correspondence regarding research assistants and visiting workers can be found in H.1-H.153A.	
B.64-B.65	'Technicians' Contents of a folder so inscribed. Correspondence (mostly with UCL Establishment Officer) <i>re</i> salaries, appointments, recommendations and increments of pay of technicians working in the department. Also includes circulars from the technicians committee. 2 folders.	1952-1969
B.66	'Visitors' Correspondence with foreign visitors <i>re</i> arrangements to meet with Katz and view his laboratory and department.	1974-1979
B.67-B.69	Readership nominations 3 folders.	1977-1978
B.70	Jodwell Chair of Zoology, UCL Correspondence with, and circular notices from UCL Provost <i>re</i> applicants and arrangements for the post of Chair of Zoology.	1968-1970

University College London, B.1-B.89

B.71-B.86	GENERAL UNIVERSITY BUSINESS	1952-1983
B.71-B.75	Faculty of Medical Sciences correspondence Correspondence with Dean of the Faculty <i>re</i> finance, accounts, grants, appointments, economic expenditure and reductions, maintenance, fellowships, intake of students. Also includes minutes of meetings and circulars to heads of departments. Mostly dated 1972-1978 but also includes some material dated 1968-1969 and one later item dated 1983. 5 folders.	1968-1983
B.76-B.77	'UCL Miscellaneous' Contents of a folder so inscribed. 2 folders.	1957-1971
B.76	1957-1961 correspondence Correspondence <i>re</i> history of the Biophysics department, dinner arrangements. Also includes UCL financial regulations handbook. Correspondents include UCL Provost and UCL Secretary.	1957-1961
B.77	1968-1971 correspondence Correspondence <i>re</i> the Technical Staff Committee and building maintenance. Correspondents include UCL Provost, UCL Bursars and UCL Secretary.	1968-1971
B.78-B.83	Provost correspondence Correspondence between Katz and UCL Provosts (Ifor Evans up to 1966, then Noel Annan) <i>re</i> committees, meetings, chairs, annual leave, boards, fellowships, grants, appointments and dinners. Also includes circulars	1952-1979 /...

University College London, B.1-B.89

- /... from the Provosts.
6 folders
- B.84 UCH Medical School Council 1974-1977
Correspondence, mostly with Secretary and Chairmen of the school council *re* the appointment and reappointment of Katz to his post on the council, and *re* applications for finance and equipment.
- B.85-B.86 Elliot-Blake Memorial Fund Studentships 1963-1977
Nominations and minutes.
2 folders.
- B.87-B.89 EXTERNAL ORGANISATIONS 1964-1975**
- B.87-B.88 International Scientific Co-operation 1964-1965
Reports on proposals for International Co-operation in Scientific Research, by the Department for Education and Science, Council for Scientific Policy, UNESCO, World Health Organisation and Medical Research Council.
2 folders.
- B.89 Inter-Collegiate Luncheon Club 1974-1975
Lady Katz was President of the club for a short period.
Correspondence from club secretary to Katz's secretary attaching agendas, notifications of meetings and AGM minutes.

SECTION C RESEARCH, C.1-C.210 1939-1986

Research material, including notes on experiments, results, figures, graphs, calculations, research proposals, correspondence, electron micrograph prints and some drafts of papers.

Arranged chronologically, based on Katz's original arrangement and titles of box files giving co-workers and dates.

- C1.-C.46 PRE-1950 WORK
- C.47-C.92 WORK WITH PAUL FATT
- C.93-C.146 WORK WITH JOSE DEL CASTILLO
- C.147-C.174 WORK WITH STEPHEN THESLEFF
- C.175-C.180 WORK WITH RICARDO MILEDI
- C.181-C.192 WORK ON MUSCLE SPINDLE OF THE FROG
- C.193-C.197 UNFINISHED WORK
- C.198-C.210 MISCELLANEOUS WORK

C.1-C.46 PRE-1950 WORK 1939-1949

C.1-C.3 Notes on frog nerves 1939

Contents of a folder inscribed 'Pending work (Physiology)'

Material including hand-drawn graphs, notes on experiments, letter from JZ Young regarding experiments with prawns, notes on experiments *re* frog's sciatic nerve, data tables *re* calibration. Also includes correspondence, graphs and calculations from AL Hodgkin.

3 folders.

For publications with Hodgkin see D.5-D.12. For further correspondence see H.190

C.4-C.7 Electrolyte conduction 1939-1946

Research material relating to the paper 'The effect of electrolyte deficiency on the rate of conduction in a single nerve fibre' (*J. Physiol.* 1947 106: 411-417.)

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Research, C.1-C.210

/...	4 folders. For material relating to the publication of this paper, see D.1-D.3.	
C.4	Notes Notes on experiments, calculations and results tables, mostly involving various sugar and salt solutions.	1939
C.5	Correspondence, figures and later notes Undated mounted figures for publication, correspondence with AL Hodgkin raising points with Katz before publication, front cover of draft proof. Also further experimental measurements and calculations dated 1946.	1946
C.6	Figures Assorted figures, probably related to electrolyte conduction article. Most are mounted on card with JEB (<i>Journal of Experimental Biology</i>) in manuscript on reverse.	n.d.
C.7	Conduction velocity work Work on conduction velocity in the muscle during shortening. Possibly related to electrolyte article or may be separate. Notes and conclusions, notes on experiments, hand-drawn graphs, data tables, notes from plates and circuit diagrams.	1945
C.8-C.9	Electric Stimulation of the Human Eye Manuscript draft and two typescript drafts with manuscript additions so titled. Also notes on experiments, data tables and hand-drawn graphs <i>re</i> stimulation and currents of the left and right eyes in light and in darkness. 2 folders.	1946

Research, C.1-C.210

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| C.10-C.20 | 'Electric rectification in frog's muscle' | 1946-1947 |
| | <p>Research material relating to paper by Katz and CH Lou titled 'Electric rectification in frog's muscle' (<i>J. Physiol.</i> 1947 106: 29-31P.)</p> <p>Notes on experiments and figures <i>re</i> potassium sulphate and calcium chloride, and exploring rectification using frog sartorius muscles.</p> <p>11 folders.</p> | |
| C.10 | Notes | 1946 |
| | <p>Notes on experiments dated August-September 1946, involving sartorius curarisation, rectification and shortening by stimulation. Also includes diagrams and hand-drawn graphs.</p> | |
| C.11-C.13 | Notes | 1946 |
| | <p>Notes on experiments using various concentrations of KCl [Potassium Chloride], K_2SO_4 [Potassium Sulphate] and Nitrogen, measuring 'E vs M' processes, and excitation of sartorius muscles, dated September-December 1946. Also results, hand-drawn graphs, notes on methods and procedures, notes and questions for further investigation.</p> <p>3 folders.</p> | |
| C.14-C.15 | Notes | 1947 |
| | <p>Correspondence with DJ Cole (Birmingham Medical School) and notes <i>re</i> potassium and loss of excitability, dated May 1948. Also notes on experiments, results tables, hand drawn graphs and calculations <i>re</i> K_2SO_4 and KCl concentrations and impedance change in sartorius muscle, dated December 1946 and March-May 1947.</p> <p>2 folders.</p> | |
| C.16 | Draft | 1947 |
| | <p>Draft proof of the paper by Katz and CH Lou.</p> | |

Research, C.1-C.210

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| C.17-C.19 | Notes | 1947 |
| | <p>Notes on experiments, data, results tables, calculations and calibration notes <i>re</i> potential and impedance change, using SO₄ [Sulphate], CaCl₂ [Calcium Chloride] and Phosphate solutions, dated Jan-March 1947. Also some notes on rectification and work undertaken with CH Lou.</p> <p>3 folders.</p> | |
| C.20 | Figures | 1947 |
| | <p>Loose figures in an envelope from the Physiological Society, with no other identifying notes. Probably relates to the paper with CH Lou.</p> | |
| C.21-C.27 | 'Efferent Regulation of Muscle Spindle in the Frog' | 1947-1948 |
| | <p>Research notes relating to the paper 'Efferent regulation of muscle spindle in the frog' (<i>J. Exp. Biol.</i> 1949 26(2):201-17.)</p> <p>7 folders.</p> | |
| C.21-C.24 | 'Circulated Muscles' notes | 1947-1948 |
| | <p>Contents of a folder so inscribed.</p> <p>Notes on experiments, results tables, calculations, diagrams and hand-drawn graphs <i>re</i> endplate potentials and sizes of fibres (mostly frog sartorius), dated June 1947 - January 1948.</p> <p>4 folders.</p> | |
| C.25-C.27 | 'Isolated muscles' notes | 1947 |
| | <p>Contents of a folder so inscribed.</p> <p>Notes on experiments, calculations and hand-drawn graphs <i>re</i> conductivity and sensitivity of isolated fibres (in contrast to the circulated fibres of previous folder), use of sucrose/sea water concentrations, dated January-December 1947. Also includes figures for <i>J. Exp. Biol.</i></p> <p>3 folders.</p> | |

Research, C.1-C.210

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| C.28 | Carcinus nerve fibres | 1947-1948 |
| | <p>Notes on experiments, results tables, graphs and calculations, <i>re</i> carcinus [crab] axons and nerve fibres, and the effects of K₂SO₄, sea water, sugar and oil, dated October 1947 - January 1948. Also some notes <i>re</i> work by AL Hodgkin.</p> <p>Carcinus is mentioned and compared with frogs in papers in <i>J. Physiol.</i> (1950), but it is not entirely clear whether this material is related.</p> | |
| C.29-C.46 | Depolarization and Action potentials material | 1947-1949 |
| | <p>Research material relating to two papers by Katz:</p> <p>'Action potentials from a sensory nerve ending' (<i>J. Physiol.</i> 1950 111: 248-260.)</p> <p>'Depolarization of sensory terminals and the initiation of impulses in the muscle spindle' (<i>J. Physiol.</i> 1950 111: 261-282.)</p> | |
| C.29 | Sensory endings notes | 1948 |
| | <p>Notes on experiments, results tables and sketches <i>re</i> sensory endings, single spindles, muscle fibres, sensory axons, spikes and discharges, dated April - July 1948.</p> | |
| C.30-C.33 | Sensory nerves notes | 1948 |
| | <p>Loose figures (possibly for publication), notes on experiments <i>re</i> sensory nerves, branches, motor fibres, polarisation and summary of experiments, dated February - September 1948. Also correspondence with D Whitteridge (Oxford University) enclosing printed communications by Katz and JZ Young for a UCL meeting titled 'Electric membrane properties of frog muscle' and 'Regulation of the afferent discharge from a frog muscle', both dated February 1948.</p> <p>4 folders.</p> | |

Research, C.1-C.210

C.34-C.37	<p>Sensory axons notes</p> <p>Notes on experiments, calculations, diagrams, hand-drawn graphs and conclusions <i>re</i> sensory axons, photographic reduction, stretch receptors, dynamic/static discharge and use of RC/DC amplifiers, dated October 1948 - September 1949.</p> <p>4 folders</p>	1948-1949
C.38-C.41	<p>'Action potentials from a sensory nerve ending'</p> <p>Typescript draft, hand-drawn graphs and a large number of figures, some mounted on card, with the majority in envelopes from the Physiological Society and Cambridge University Press.</p> <p>4 folders.</p>	1947-1948
C.42-C.45	<p>Figures and Graphs</p> <p>Large number of loose figures and hand-drawn graphs relating to the publication of both papers.</p> <p>4 folders.</p>	c.1947- c.1948
C.46	<p>Additional notes</p> <p>Notes relating to solutions (sea water, CaCl etc.), dissection of squid and crustaceans, and some correspondence with AL Hodgkin. Mostly undated but appears to cover June - August 1948.</p> <p>These notes were found separated from the main research material.</p>	1948
C.47-C.92	<p>WORK WITH PAUL FATT</p> <p>Research material relating to the following articles:</p> <p>P. Fatt & B. Katz. 'An analysis of the end-plate potential recorded with an intra-cellular electrode' (<i>J. Physiol.</i> 1951 115: 320-370.)</p> <p>P. Fatt & B. Katz. 'The effect of sodium ions on neuromuscular transmission' (<i>J. Physiol.</i> 1952 118: 73-87.)</p>	1948-1953

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Research, C.1-C.210

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P. Fatt & B. Katz. 'The effect of inhibitory nerve impulses on a crustacean muscle fibre' (*J. Physiol.* 1953 121: 374-389.)

W. Burke, B. Katz & X. Machne. 'The effect of quaternary ammonium ions on crustacean nerve fibres' (*J. Physiol.* 1953 122: 588-598.)

P.Fatt. 'Distributed 'End-Plate Potentials' of Crustacean Muscle Fibres' (*J. Exp. Biol.* 1953 30: 433-439.)

For publications with Fatt see D.13-D.14. For further correspondence see H.178.

C.47-C.70	Sodium effects and Endplates	1948-1952
	Research material relating to the papers 'An analysis of the end-plate potential recorded with an intra-cellular electrode' and 'The effect of sodium ions on neuromuscular transmission'.	
C.47	Notes on methods	1948, 1950
	Notes on the methods used <i>re</i> electrodes and recording, also some notes on experiments on small axon responses.	
C.48-C.49	Muscle spikes and endplates	1949-1950
	Notes on experiments, circuit diagrams, hand-drawn graphs, results tables and calculations relating to endplate potentials, muscle spikes, anodization and curarization, dated Dec 1949 - May 1950. Also an undated letter from Alan [Hodgkin] with comments on one of Katz's papers.	
	2 folders.	
C.50-C.51	Effects of sodium and neuro-muscular transmission notes	1949-1950
	Notes on experiments, results and hand-drawn graphs, relating to endplate potentials and the effects of sodium on neuro-muscular transmission, dated November 1949 - January 1950.	
	2 folders.	

Research, C.1-C.210

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|-----------|--|-----------------------|
| C.52 | Proposal for research into the role of Acetylcholine

Letter from Alan [Hodgkin] dated March 1950 with an equation requested by Katz, and a large hand-drawn graph, brief notes on experiments dated February 1950, typescript draft with manuscript additions giving abstract of a communication titled 'The role of acetylcholine in neuromuscular transmission', typescript proposal draft detailing the subject of the research and related notes. | 1950 |
| C.53 | Correspondence and notes for sodium paper

List of figures and tables for sodium paper, graphs and figures, tables and graphs <i>re</i> sodium concentration and ACh depolarization, experiment notes <i>re</i> effects of sodium and calcium. Also letter to Stephen [?Kuffler] and correspondence with Alan [Hodgkin] dated December 1950. | 1950 |
| C.54-C.55 | Effects of sodium notes

Contents of a folder inscribed 'Muscle. Interval recording II'

Notes on experiments, data tables, hand drawn graphs and calculations relating to the effects of sodium concentration on endplate potentials, dated January - March 1950.

2 folders. | 1950 |
| C.56-C.58 | Acetylcholine depolarization and effects of sodium notes

Contents of a folder inscribed 'Muscle. Interval recording III'

Brief notes <i>re</i> CaCl ₂ concentration dated November 1950, notes on experiments, results and hand-drawn graphs relating to ACh [acetylcholine] depolarization, muscle fibre resistance and sodium concentrations, dated March - May 1950.

3 folders. | 1950 |
| C.59-C.62 | Endplate potential and effects of calcium notes

Contents of a folder inscribed 'Muscle. Interval recording IV' | 1950-1951

/... |

Research, C.1-C.210

- /... Notes on experiments, results, diagrams, circuit diagrams and hand-drawn graphs, relating to anodic polarisation and endplate potential, muscle action and effects of calcium. Dated October 1950 - January 1951.
4 folders.
- C.63 Endplate noise and sodium effects notes 1950-1951
Notes on experiments, results and diagrams relating to endplate noise, effects of sodium, calcium, temperature and toxicity. Dated April - July 1950 with one later experiment dated December 1951.
- C.64-C.67 Endplate noise and miniature endplate potential notes 1950-1951
This folder predominantly contains notes which are not in Katz's hand, and are most likely the notes of Paul Fatt.
Equations, diagrams, hypotheses, hand-drawn graphs, notes, results and calculations, and large hand-drawn graphs, relating to impedance across fibres, miniature endplate potentials, endplate noise. Dated June 1950 - March 1951.
4 folders.
- C.68 Miniature endplate potential measurements 1950
Contents of a folder inscribed '800 mepp's Oct 50'.
Results tables showing amplitude, length and interval measurements, and hand-drawn graphs, dated October 1950.
- C.69-C.70 Sodium and other effects on potentials 1951-1952
Figures, results tables, summary notes relating to effects of sodium, calcium, potassium and temperature on potentials. Dated April 1951 - July 1952.
2 folders.

Research, C.1-C.210

C.71-C.91 Inhibitory and distributed endplate potentials 1951-1953

Research material relating to the following articles:

P. Fatt and B. Katz. 'The effect of inhibitory nerve impulses on a crustacean muscle fibre' (*J. Physiol.* 1953 121: 374-389.)

W. Burke, B. Katz & X. Machne. 'The effect of quaternary ammonium ions on crustacean nerve fibres' (*J. Physiol.* 1953 122: 588-598.)

P.Fatt. 'Distributed 'End-Plate Potentials' of Crustacean Muscle Fibres' (*J. Exp. Biol.* 1953 30: 433-439.)

C.71-C.72 Distributed endplate potentials notes and draft 1952-1953

Contents of a folder inscribed 'Distributed e.p.'s'.

Figures and graphs for publication, some mounted on to card, some in envelopes. Also correspondence *re* submitting the paper, manuscript draft, notes on experiments, results and graphs dated February 1952.

2 folders.

C.73-C.76 Inhibitory nerve impulse notes and drafts 1952

Contents of a folder inscribed 'Crab Inhibition'.

Figures mounted onto card, with note on back saying 'J Phys, Burke et al'. Also includes notes on TEA [Tetraethylammonium], TBA [Tetrabutylarsine] and other blocking substances, two typescript drafts titled 'The action of inhibitory nerve impulses on the surface membrane of crustacean muscle fibres' marked 'for oxford meeting', notes on experiments, observations and hand-drawn graphs *re* action, time courses, excitation and inhibition, dated March - May 1952.

4 folders.

C.77-C.79 Inhibitory effects of Choline, TEA, TBA and R4N notes 1952

Contents of a folder inscribed 'R4N on nerve'.

Brief notes for outline of paper, notes on experiments, data tables and hand-drawn graphs relating to blocking experiments studying effects of R4N [Quaternary Ammonium] ions including choline,

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Research, C.1-C.210

- /... TEA [tetraethylammonium] and TBA [tetrabutylarsine] on muscle and nerve spikes, dated October - December 1952. Also includes some correspondence with J Welsh (Harvard University) *re* his similar work on crab axons.
- 3 folders.
- C.80-C.84 Inhibitory effects notes 1951-1952
- Notes on experiments, results and observations relating to the inhibitory effects of choline, TEA, TBA, calcium and magnesium, dated November 1951 - January 1952 and April - July 1952
- These notes were found separated from the other research material.
- 5 folders.
- C.85-C.87 Effects of temperature and other inhibitory notes 1952
- Notes on experiments, results and hand drawn graphs, *re* microphotography, effects of TBA, diethanol and temperature. Dated March, April and August 1952.
- These notes were found separated from the other research material.
- 3 folders.
- C.88-C.89 Unidentified figures 1951-1952
- Contents of a folder inscribed 'Corrected Version'.
- Correspondence dated February 1952 with ES Pearson (UCL Statistics Department) *re* data. Also figures, some mounted on card and some in envelopes for use in an unidentified paper, with original versions of graphs, correspondence with AF Huxley and AL Hodgkin *re* suggestions for Katz's miniature endplate potentials paper, dated 1951.
- 2 folders.
- C.90-C.91 Crab inhibition figures and correspondence 1952-1953
- Contents of a folder inscribed 'crab inhibition'. /...

Research, C.1-C.210

- /...
- Graphs and figures for published papers, some mounted on to card, correspondence from G Eggleton (editor) *re* referees' comments and correspondence with Paul [Fatt] *re* the papers.
- 2 folders.
- C.92 Mathematical paper by DR Cox 1952-1953
- Paper titled 'On the superposition of renewal processes' by DR Cox (Cambridge University) and accompanying correspondence *re* his mathematical paper which uses Katz's experiment results. Dated September 1952 - February 1953.
- C.93-C.146 **WORK WITH JOSE DEL CASTILLO** 1953-1956
- Research material relating to the following papers:
- 'The effect of magnesium on the activity of motor nerve endings' (*J. Physiol.* 1954 124: 553-559.)
- 'Quantal components of the end-plate potential' (*J. Physiol.* 1954 124: 560-573.)
- 'Statistical factors involved in neuromuscular facilitation and depression' (*J. Physiol.* 1954 124: 574-585.)
- 'Changes in end-plate activity produced by pre-synaptic polarization' (*J. Physiol.* 1954 124: 586-604.)
- 'The membrane change produced by the neuromuscular transmitter' (*J. Physiol.* 1954 125: 546-565.)
- 'Action, and spontaneous release, of acetylcholine at an 'inexcitable' nerve-muscle junction' (*J. Physiol.* 1954 126(2):27P.)
- 'On the localization of acetylcholine receptors' (*J. Physiol.* 1955 128(1): 157-181.)
- 'Effects of vagal and sympathetic nerve impulses on the membrane potential of the frog's heart' (*J. Physiol.* 1955 Sep 28;129(3):48-9P.)
- 'Localization of active spots within the neuromuscular junction of the frog' (*J. Physiol.* 1956 132: 630-649.)
- 'A Study of Curare Action with an Electrical Micro-Method' (*Proc. Roy. Soc.* 7 May 1957 339-356.)
- /...

Research, C.1-C.210

/... 'The Identity of 'Intrinsic' and 'Extrinsic' Acetylcholine Receptors in the Motor End-Plate' (ibid. 357-361.)

'A Comparison of Acetylcholine and Stable Depolarizing Agents' (ibid. 362-368.)

'Interaction at End-Plate Receptors between Different Choline Derivatives' (ibid. 369-381.)

For publications with Castillo, see D.16-45 & D.53-D.59.
For further correspondence see H.24-25.

C.93 Tables and Illustrations 1953

Contents of a folder inscribed 'Information (scrap) used in tables etc'.

Data tables, notes, draft illustrations, notes on experiments, observations and diagrams, *re* data and illustrations for an unidentified paper, dated January 1953.

C.94 Tables and Statistics 1953

Contents of a folder inscribed 'End plate statistics (see also table & Illustrations folder)'.

Diagrams, equations, notes on experiments and data tables *re* ratios, slides and hypotheses, dated January - February 1953.

C.95-C.104 Four papers for *Journal of Physiology* 1952-1953

Research material relating to the four following papers:

'The effect of magnesium on the activity of motor nerve endings' (*J. Physiol.* 1954 124: 553-559.)

'Quantal components of the end-plate potential' (*J. Physiol.* 1954 124: 560-573.)

'Statistical factors involved in neuromuscular facilitation and depression' (*J. Physiol.* 1954 124: 574-585.)

'Changes in end-plate activity produced by pre-synaptic polarization' (*J. Physiol.* 1954 124: 586-604.)

See also D.16-D.26.

Research, C.1-C.210

- C.95 'Further work on spontaneous potentials. Effect of Mg on min. epps (used for paper I)' 1952-1953
- Contents of a folder so inscribed.
- General notes, notes on experiments, results tables and workings out, *re* magnesium concentrations and effects on miniature endplate potentials, dated December 1952 - January 1953.
- C.96-C.98 'Poisson distribution (used for paper II & III)' 1953
- Contents of a folder so inscribed.
- Notes on experiments, measurements, results lists and tables, hand drawn graphs, statistics and calculations *re* potentials, response, calcium and magnesium concentrations, dated January - February 1953.
- 3 folders.
- C.99 'Statistical Facilitation - Tetani (used for paper III)' 1953
- Contents of a folder so inscribed
- Notes on experiments, tables and hand drawn graphs, *re* tetanic facilitation responses and failures, dated February - March 1953.
- C.100 'Statistics of epp. Wedenski effect. (Used for paper III)' 1953
- Contents of a folder so inscribed.
- Notes on experiments and hand drawn graphs *re* amplification and rate of potentials and neuromuscular fatigue, dated February - March 1953.
- C.101-104 'Electrical effects on rates (used for paper IV)' 1953
- Contents of a folder so inscribed
- Circuit diagrams, notes on experiments, results, tables and hand-drawn graphs *re* magnesium and calcium concentrations, anodic/cathodic effects, electrotonic effects and polarization, dated March - October 1953.
- 4 folders.

Research, C.1-C.210

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| C.105-C.110 | Membrane change | 1953-1954 |
| | Research material relating to the paper 'The membrane change produced by the neuromuscular transmitter' (<i>J. Physiol.</i> 1954 125: 546-565.) | |
| | For publication material see D.27-32. | |
| C.105-C.106 | M-N Interaction notes | 1953-1954 |
| | Contents of a folder inscribed 'NM interaction'. | |
| | Notes on experiments, results and hand drawn graphs <i>re</i> 'interaction of M and N at end-plate'. Dated October 1953 - February 1954. | |
| | 2 folders. | |
| C.107-C.109 | Membrane resistance | 1953 |
| | Contents of a folder inscribed 'Membrane resistance during N&M spikes' | |
| | Results tables, calculations, hand drawn graphs, notes on experiments and circuit diagrams <i>re</i> membrane resistance, dated November - December 1953. | |
| | 3 folders. | |
| C.110 | Draft | c. 1954 |
| | Manuscript draft and notes for writing the paper. | |
| C.111-C.117 | Acetylcholine work | 1954 |
| | Research material appearing to relate to the papers: | |
| | J. Castillo & B. Katz. 'Action, and spontaneous release, of acetylcholine at an 'inexcitable' nerve-muscle junction' (<i>J. Physiol.</i> 1954 126(2):27P.) | |
| | And/or | |
| | J. Castillo & B. Katz. 'On the localization of acetylcholine receptors' (<i>J. Physiol.</i> 1955 128(1): 157-181.) | |
| | 7 folders. | |

Research, C.1-C.210

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| C.111-C.115 | Notes and results

Contents of a folder inscribed 'Ionophoresis of ACh'

Notes on experiments, hand drawn graphs and results tables <i>re</i> effects of prostigmine, ACh [acetylcholine] application, potentials and depolarizing agents, dated February - November 1954.

5 folders. | 1954 |
| C.116 | Figures

Contents of an envelope inscribed 'acetylcholine ionophoresis'.

Envelopes of figures which seem to have been obtained from a measurement screen, n.d. but possibly early 1954 | c. 1954 |
| C.117 | Extracts

Contents of a folder inscribed 'ACh - extracts'.

Handwritten notes <i>re</i> plans for experiments using frogs, mostly n.d. but one is dated September 1954.

This folder was found separated from the other research material. | 1954 |
| C.118-C.122 | Acetylcholine at an inexcitable junction

Research material relating to the paper 'Action, and spontaneous release, of acetylcholine at an 'inexcitable' nerve-muscle junction'.

For publication material see D.33.

5 folders. | 1954-1955 |
| C.118-C.120 | Notes

Notes on experiments, hand drawn graphs, data and calculations <i>re</i> K_2SO_4 [Potassium Sulphate] concentrations and ACh [Acetylcholine] effect on miniature endplate potentials. Also notes on anomalous behaviour of capillary micro-electrodes, dated June - October 1954.

3 folders. | 1954 |

Research, C.1-C.210

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| C.121-C.122 | Figures and correspondence | 1954-1955 |
| | Letter from Cambridge University Press returning prints dated February 1955, correspondence with R Keynes dated January 1955 and letter to J Castillo enclosing draft of paper dated July 1954. Also figures, some of which are mounted. | |
| | 2 folders. | |
| C.123-C.125 | Vagal and Sympathetic nerve impulses | 1955 |
| | Research material <i>re</i> 'Effects of vagal and sympathetic nerve impulses on the membrane potential of the frog's heart'. | |
| | For publication material see D.34. | |
| C.123-C.124 | Notes | 1955 |
| | Notes, notes on experiments and observations, hand drawn graphs, results from film strips and envelope containing film strips, relating to frog heart experiments, dated February - May 1955. | |
| | 2 folders. | |
| C.125 | Figures | 1955 |
| | Figures <i>re</i> frog heart experiments, some mounted on to card and some in an envelope. Dated February - March 1955. | |
| C.126-C.128 | Effects of temperature | 1955 |
| | Notes and correspondence <i>re</i> experiments on the effect of temperature on endplate potentials. | |
| C.126-C.127 | Notes and correspondence | 1955 |
| | Contents of a folder inscribed 'Temperature'. | |
| | Notes on experiments, hand drawn graphs, results and notes <i>re</i> microapplication of acetylcholine, amplitudes, Q10 [temperature coefficient] rates, prostigmine, miniature endplate potentials, sensitivity and effect of temperature, dated May - July 1955. | /... |

Research, C.1-C.210

- /... Also includes correspondence with DD Eley (Nottingham University) and with F Hobbiger (Middlesex Hospital Medical School) *re* Q10 rates of Cholinesterase, dated July - October 1955.
2 folders.
- C.128 Notes 1955
Contents of a folder inscribed 'Temperature. External epp's'
Notes on experiments, results, data tables and hand drawn graphs *re* the effect of temperature on endplate potentials, dated August - September 1955.
- C.129-C.133 Localization of active spots 1955-1956
Research material relating to the paper 'Localization of active spots within the neuromuscular junction of the frog'.
- C.129-C.131 External and internal recording notes 1955
Contents of a folder inscribed 'Ext./int.'
Circuit diagrams, illustrations, results, data tables, hand drawn graphs and calculations *re* external and internal miniature endplate potentials, dated September - December 1955.
3 folders.
- C.132-C.133 Publication figures and correspondence 1955-1956
Contents of a folder inscribed 'Physiology Castillo'.
Figures and graphs for use in publication, some of which are mounted on to card and dated October 1955. Also correspondence with *Journal of Physiology* submitting the paper, dated February 1956.
2 folders.

Research, C.1-C.210

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| C.134-C.146 | <p>Four papers in the <i>Proceedings of the Royal Society</i></p> <p>Material relating to the following four papers from <i>Proc. Roy. Soc.</i> 7 May 1957:</p> <p>'A Study of Curare Action with an Electrical Micro-Method' (pp. 339-356.)</p> <p>'The Identity of 'Intrinsic' and 'Extrinsic' Acetylcholine Receptors in the Motor End-Plate' (pp. 357-361.)</p> <p>'A Comparison of Acetylcholine and Stable Depolarizing Agents' (pp. 362-368.)</p> <p>'Interaction at End-Plate Receptors between Different Choline Derivatives' (pp. 369-381.)</p> <p>See also D.53-D.59.</p> | 1956 |
| C.134-C.136 | <p>DTC experiments</p> <p>Contents of a folder inscribed 'D.T.C. Application'</p> <p>Notes on experiments, results, hand drawn graphs, calculations and chemical notes <i>re</i> DTC [d-tubocurarine], acetylcholine, endplates, prostigmine, carbachol, inhibition and microapplication, dated January - February 1956.</p> <p>3 folders.</p> | 1956 |
| C.137-C.139 | <p>Interaction experiments</p> <p>Notes on experiments, results, tables and hand drawn graphs <i>re</i> acetylcholine, carbachol, potentiation, inhibition, interaction and depolarization, dated February - March 1956.</p> <p>3 folders.</p> | 1956 |
| C.140-C.142 | <p>Inhibition experiments</p> <p>Notes on experiments, results, tables and hand drawn graphs <i>re</i> inhibition, acetylcholine, carbachol, DTC, choline and endplates, dated March - September 1956.</p> <p>3 folders.</p> | 1956 |

Research, C.1-C.210

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| C.143 | Experiment plans | 1956 |
| | Brief manuscript notes on experiment summaries and plans for future experiments, dated April - June 1956. | |
| C.144 | Micropharmacology illustrations | 1956 |
| | Contents of a folder inscribed 'Illustrations for micro-pharmacology'. | |
| | Draft illustrations and diagrams, and some brief notes for the papers, mostly undated but some are dated January - March 1956. | |
| C.145-C.146 | Micropharmacology notes and illustrations | 1956 |
| | Contents of a folder inscribed 'Micropharmacology. Information' | |
| | Notes on experiments, results, data and summaries on experiments <i>re</i> choline, procaine and inhibition, dated January - October 1956. Also lists of illustrations etc. for all four papers and a letter from AL Hodgkin providing microelectrode calculations dated March 1956. | |
| | 2 folders. | |
| C.147-C.174 | WORK WITH STEPHEN THESLEFF | 1956-c.1961 |
| | Research material relating to the following papers: | |
| | 'On the factors which determine the amplitude of the 'miniature end-plate potential' (<i>J. Physiol.</i> 1957 137: 267-278.) | |
| | 'A study of the 'desensitization' produced by acetylcholine at the motor end-plate' (<i>J. Physiol.</i> 1957 138: 63-80.) | |
| | 'The interaction between edrophonium (tensilon) and acetylcholine at the motor end-plate' (<i>Brit. J. Pharmacol. Chemother.</i> 1957 12: 260-264.) | |
| | 'Supersensitivity of skeletal muscle produced by botulinum toxin' (<i>J. Physiol.</i> 1960 151(3): 598-607.) [Only Thesleff given as author] | |
| | For publications with Thesleff see D.48-D.52. For further correspondence see H.138-H.139, H.247. | |

Research, C.1-C.210

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| C.147-C.156 | Desensitization | 1956-1957 |
| | Research material relating to 'A study of the 'desensitization' produced by acetylcholine at the motor end-plate' (<i>J. Physiol.</i> 1957 138: 63-80.) | |
| | See also D.49-D.52. | |
| C.147-C.149 | Notes | 1956 |
| | Notes on experiments, results, hand drawn graphs, calculations and tables, <i>re</i> acetylcholine desensitization and depolarization, dated November - December 1956. | |
| | 3 folders. | |
| C.150-C.152 | Notes | 1956-1957 |
| | Contents of a folder inscribed 'ACh desensitization'. | |
| | Notes on experiments, hand drawn graphs, summary notes, tables and calculations <i>re</i> acetylcholine potentials and depolarization, dated December 1956 - January 1957. | |
| | 3 folders. | |
| C.153 | Notes | 1957 |
| | Contents of a folder inscribed 'Desensitization (non linear dose/response relation)'. | |
| | Notes on experiments, results, data tables and hand drawn graphs <i>re</i> carbachol and depolarization, dated February 1957. | |
| C.154 | Summary notes | 1956-1957 |
| | Brief manuscript summary of records covering November 1956 - February 1957. | |
| C.155 | Illustrations and summaries | 1956 |
| | Illustrations, calculations and notes on general results, dated December 1956. | |

Research, C.1-C.210

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| C.156 | Workings out | c. 1957 |
| | Hypotheses, notes, large amount of handwritten calculations, equations and workings out, c. February 1957. | |
| C.157-C.161 | Miniature endplate potentials | 1956-1957 |
| | Research material relating to the paper 'On the factors which determine the amplitude of the 'miniature end-plate potential' (<i>J. Physiol.</i> 1957 137: 267-278.) | |
| C.157-C.159 | Notes | 1956 |
| | Contents of a folder inscribed 'Size of min e.p.p.' | |
| | Notes on experiments, results, tables and graphs, <i>re</i> miniature endplates, resistance and potential, dated October - November 1956. Also some notes and prints from electron micrographs dated April 1947. | |
| | 3 folders. | |
| C.160 | Data and calculations | 1956 |
| | Contents of a folder inscribed 'Size of min e.p.p.' | |
| | Undated graphs, data tables and calculations <i>re</i> e.p.p's, resistance and separation, circa November 1956. | |
| C.161 | Correspondence and illustrations | 1957 |
| | Contents of a folder inscribed 'Size of min e.p.p.' | |
| | Correspondence with RD Keynes (editor) <i>re</i> submission of papers and slight alterations, dated March 1957. Also hand drawn illustrations and graphs, and small envelope containing prints of figures for use in publication. | |
| C.162 | Tensilon notes | 1957 |
| | Contents of a folder inscribed 'Further experiments with micro-application. Tensilon'. | |
| | Notes on experiments, hand drawn graphs and calculations <i>re</i> tensilon experiments and depolarization, dated February 1957. | |
| | See also D.48. | |

Research, C.1-C.210

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| C.163 | Unidentified prints | c. 1957 |
| | Two envelopes of unidentified and undated prints, possibly showing shots of an oscilloscope screen showing frequencies, results etc. | |
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| C.164 | Normal and myasthenic intercostal notes | c. 1961 |
| | Contents of a folder inscribed 'Notes on Thesleff's intercostals, normal and myasthenic', suggesting the material relates to 'An electrophysiologic study of the neuromuscular junction in myasthenia gravis' by O Dahlbäck, D Elmqvist, TR Johns, S Radner and S Thesleff (<i>J. Physiol.</i> 1961 156(2): 336-343.) | |
| | List of plates and notes on bioptic and myasthenic endplates, undated. | |
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| C.165-C.174 | Botulinus work | 1959-1960 |
| | Research material relating to 'Supersensitivity of skeletal muscle produced by botulinum toxin' (<i>J. Physiol.</i> 1960 151(3): 598-607.) | |
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| C.165 | Correspondence | 1959-1960 |
| | Contents of a folder inscribed 'Thesleff - Botulinus'. | |
| | Correspondence between Katz and S Thesleff, dated June 1959 - May 1960 <i>re</i> the paper, drafts, findings, prints, specimens and samples for research. Also correspondence with KA Cammack (Ministry of Aviation) proposing further joint research. | |
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| C.166-C.167 | Electron micrograph prints | n.d. |
| | Contents of a folder inscribed 'TH. I. Frog. Normal. Transverse'. | |
| | Electron micrograph prints, numbered 133/4 - 133/18 on reverse. Also three figures for publication mounted onto card. | |
| | 2 folders. | |

Research, C.1-C.210

C.168-C.169	Electron micrograph prints Contents of a folder inscribed 'TH. II. Frog. Botulinus. Transverse. (good)'. Electron micrograph prints, numbered 133/19 - 135/3 on reverse. 2 folders.	n.d.
C.170	Electron micrograph prints Contents of a folder inscribed 'TH. III. Cat. Normal'. Electron micrograph prints, numbered 135/4 - 135/11 on reverse.	n.d.
C.171	Electron micrograph prints Contents of a folder inscribed 'TH. IV. Cat. Botulinus toxin'. Electron micrograph prints, numbered 135/12 - 135/22 on reverse.	n.d.
C.172-C.173	Electron micrograph prints Contents of a folder inscribed 'TH. V. Cat. Botulinus toxin (good)'. Electron micrograph prints, numbered 135/23 - 136/24 on reverse. 2 folders.	n.d.
C.174	Electron micrograph prints Contents of a folder inscribed 'TH. II. Frog. Botulinus. Longitudinal'. Electron micrograph prints, numbered 138/1 - 138/16 on reverse.	n.d.
C.175-C.180	WORK WITH RICARDO MILEDI Research material relating to Katz & Miledi's paper titled 'The localized action of 'end-plate drugs' in the twitch fibres of the frog' (<i>J. Physiol.</i> 1961 155: 399-415) which	1952, 1960 /...

Research, C.1-C.210

- /... refutes the claims of Ochs & Mukherjee regarding the action of succinylcholine [suxamethonium chloride].
- 6 folders.
- For publications with Miledi see D.63-D.67, D.82, D.146.
For further correspondence see H.209-H.213.
- C.175 Correspondence 1952, 1960
- Correspondence with L Burke (University of Sydney) *re* old experiments on desensitization by ACh dated 1960. Also includes attached graphs, summary results, and notes on experiments dated 1952.
- C.176-C.177 Notes 1960
- Contents of a folder inscribed 'Succinylcholine on M-contraction'.
- Notes on experiments, observations, results and graphs *re* effects of succinylcholine, dated June - July 1960.
- 2 folders.
- C.178-C.179 Notes 1960
- Contents of a folder inscribed 'Succinylcholine. External p.d. measurements'.
- Notes on experiments, observations, results, tables and hand drawn graphs *re* twitching, acetylcholine, depolarization and succinylcholine effects, dated August - September 1960, some of which appear to be in the hand of Miledi.
- 2 folders.
- C.180 Illustrations and notes 1960
- Figure mounted on to card, illustrations for the paper, notes *re* methods, overview and measurements, part of a manuscript draft of the paper.

Research, C.1-C.210

- | C.181-C.192 | WORK ON MUSCLE SPINDLE OF THE FROG | 1959-1960 |
|-------------|--|-----------|
| | <p>Research material relating to 'The Terminations of the Afferent Nerve Fibre in the Muscle Spindle of the Frog' (<i>Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences</i>, Vol. 243, No. 703 (Feb. 2, 1961), pp. 221-240.)</p> <p>For material relating to the publication of this work, see D.68-D.70.</p> | |
| C.181 | <p>Spindle notes</p> <p>Contents of a folder inscribed 'Spindles. Notes on E.M. prints'.</p> <p>Observation notes on spindles and blocks numbered 1,2, 148-153, K3, K5 and K76, circa January 1959.</p> | 1959 |
| C.182 | <p>Spindle notes</p> <p>Contents of a folder inscribed 'Frog spindle'.</p> <p>Method notes, dissection notes and observation notes on spindles dated January - July 1959. Also reference notes by JD Robertson on the ultrastructure of frog muscle spindles and four electronmicroscopy prints.</p> | 1959 |
| C.183 | <p>Spindle notes and cut-outs</p> <p>Notes on experiments <i>re</i> sensory contacts and fibres, small envelope containing small tracing paper cut-outs, probably representing view from electron microscope. c. October 1959.</p> | 1959 |
| C.184 | <p>Spindle notes</p> <p>Contents of a folder inscribed 'Notes on spindle. E.M.'.</p> <p>Notes on experiments, observations, notes on tests to be undertaken, methods and diagrams. Dated January - February 1960.</p> | 1960 |
| C.185 | <p>Figure selections</p> <p>Contents of a folder inscribed 'Spindle notes: Jan 60'.</p> <p>Notes <i>re</i> the arrangement and selection of figures to be used in the paper.</p> | 1960 |

Research, C.1-C.210

C.186-C.187	Figures	1960
	Contents of a folder inscribed 'Katz. Text - Figs'.	
	Two sets of prints of figures for use in publication, one set numbered 1-40 and one set numbered 1-36.	
	2 folders.	
C.188	Spindle block notes	n.d.
	Contents of a folder inscribed 'Block K4 descriptive notes'.	
	Descriptive notes and surveys of spindle block K4, undated.	
C.189-C.190	Spindle notes and cut-outs	n.d.
	Contents of a folder inscribed 'Data on fibres 8,9,10,15,11'.	
	Notes and observations of fibres, seven small envelopes containing tracing paper versions of views from electron microscope.	
	2 folders.	
C.191	Fibre notes and cut-outs	n.d.
	Contents of a folder inscribed 'Prelim data on fibre 12'.	
	Notes on density and content of reticular zone, seventeen tracing paper cut-outs probably showing views of reticulum under microscopy.	
C.192	Cut-outs	n.d.
	Eighteen large tracing paper cut-out versions of views of fibres under microscopy.	
C.193-C.197	UNFINISHED WORK	1957-1960
	Contents of a box folder inscribed 'Unfinished work (since 1957)'.	
	5 folders.	

Research, C.1-C.210

- | | | |
|--------------------|--|------------------|
| C.193 | Acetylcholine spikes and facilitation | 1957 |
| | <p>Contents of a folder inscribed 'October 1957. (ACh and spike). Facilitation - anelectrotonus'.</p> <p>Notes, notes on experiments and results tables, <i>re</i> anode/cathode polarization, Acetylcholine potential and spikes, dated October - November 1957.</p> <p>This work may relate to the paper 'Dissociation of the 'Surface Membrane Complex' in Atrophic Muscle Fibres' (<i>Nature</i> 1959 184, 1507-1508) as one of the notes states 'with R Birks'.</p> | |
| C.194 | Membrane staining | 1958 |
| | <p>Contents of a folder inscribed 'E.M.'.</p> <p>Notes <i>re</i> staining of membranes, correspondence and electron microscope print from EH Mercer (Chester Beatty Research Institute) on the same topic, dated March - June 1958.</p> | |
| C.195 | Crayfish | 1960 |
| | <p>Brief manuscript notes on methods for working with crayfish, dated April - May 1960</p> | |
| C.196 | Iliofibulans | n.d. |
| | <p>Contents of a folder inscribed 'Iliofibulans. Denervated'.</p> <p>Prints of plates most likely from electron microscopy, numbered 54/13 - 55/2 on reverse.</p> | |
| C.197 | Crustacean nerve-muscle notes | n.d. |
| | <p>Contents of a folder inscribed 'E.M. Crustacean nerve-muscle'.</p> <p>Undated notes on results from blocks of muscles numbered K15, 17 and 18.</p> | |
| C.198-C.210 | MISCELLANEOUS WORK | 1947-1986 |
| | <p>An artificially created series of research material which did not belong in the previous sections.</p> | |

Research, C.1-C.210

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|-------------|--|-----------|
| C.198 | Endplate noise notes | 1971-1972 |
| | <p>Probably relates to papers by Katz and Miledi titled 'The statistical nature of the acetylcholine potential and its molecular components' (<i>J. Physiol.</i> 1972 224: 665-699) and/or 'The characteristics of 'end-plate noise' produced by different depolarizing drugs' (<i>J. Physiol.</i> 1973 230: 707-717.)</p> <p>Notes on experiments, results, tables and hand drawn graphs <i>re</i> Acetylcholine. Also draft of paper <i>re</i> endplate noise and different drugs.</p> <p>For further research with Miledi see C.175-C.180.</p> | |
| C.199 | Endplate noise figures | n.d. |
| | <p>Envelope of figures, probably for paper on end plate noise, some annotated 'Katz & Miledi' on reverse.</p> <p>For further research with Miledi see C.175-C.180.</p> | |
| C.200-C.201 | Noise variance notes and related paper | c. 1973 |
| | <p>Brief manuscript notes on noise variance. Also a pre-print of paper by CR Anderson and CF Stevens titled 'Voltage clamp analysis of acetylcholine produced end-plate current fluctuations at frog neuromuscular junction' [later published in <i>J. Physiol.</i> 235(3), 655-691.]</p> <p>2 folders.</p> | |
| C.202-C.203 | Sensory and motor axon material | 1984-1985 |
| | <p>Contents of a folder inscribed 'Sensory/motor interaction'.</p> <p>Loose offprints of papers <i>re</i> innervation in the rat, immunoreactive nerve fibres and frog receptors, letter from M Koltzenburg (UCL Anatomy Department) enclosing paper by Langford and Coggeshall <i>re</i> axons and fibres in the rat. Also correspondence with R Couteaux (Université Pierre et Marie Curie, Paris) <i>re</i> sensory and motor axons, and research project proposal by Katz titled 'The function of extrafusal sensory nerves in the skeletal muscle and their close apposition to motor nerve terminals'.</p> <p>2 folders.</p> | |

Research, C.1-C.210

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|-------------|---|------------|
| C.204-C.207 | Assorted research notes and workings out

Letters from AL Hodgkin (1947), JC Jaeger (1964) and L Wigglesworth (1975) <i>re</i> equations. Also references and notes from articles, a large quantity of equations and workings out and some notes on experiments, n.d.

4 folders. | 1947- 1975 |
| C.208 | Miniature endplate potentials correspondence

Correspondence with B Ceccarelli (Univerity of Milan, 1985-1986), RB Kelly (University of California, 1985) and R Hohlfeld (Max Planck Institut für Immunbiologie, Freiburg-Zähringen, 1979) <i>re</i> dwarf and miniature endplate potentials. Also some unidentified notes on experiments dated 1985. | 1979-1986 |
| C.209 | Loose figures and electronmicrograph prints

Notes <i>re</i> figures, and electron microscope prints. Also letter from Katz to JE Heuser (University of California) which suggests they were sent by Heuser. | c. 1978 |
| C.210 | Photomicrographs

Two small envelopes containing prints of photomicrographs, one dated November 1963. | 1963 |

SECTION D PUBLICATIONS, D.1-D.213 1932-2001

- D.1-D.175 DRAFTS
- D.176-D.184 EDITORIAL AND ADVISORY
CORRESPONDENCE
- D.185-D.192 SHORTER PUBLICATIONS
CORRESPONDENCE
- D.193-D.211 FIGURES
- D.212-D.213 OFFPRINTS

For Katz's autobiography, published in the *Journal of Physiology* (1994) and in *History of Neuroscience in Autobiography* (1996), see A.11-A.17.

D.1-D.175 DRAFTS 1945-1997

A chronological sequence of drafts and related material used by Katz in preparing publications.

D.1-D.3 'The effect of electrolyte deficiency on the rate of conduction in a single nerve fibre' c.1947

Published in *Journal of Physiology*, 1947 106: 411-417.

Drafts, figures and correspondence.

3 folders.

For research relating to this publication, see C.4-C.7.

D.1 Drafts c.1947

Manuscript draft and three typescript drafts with manuscript additions.

D.2 Typed drafts c.1947

Two typescript drafts with similar manuscript additions, on smaller paper.

D.3 Loose material c.1947

Graphs, figures, loose drafts of tables and covering letter to the journal editor.

Publications, D.1-D.213

- D.4 'Neuro-Muscular Transmission in Invertebrates' 1948
Published in *Biological Reviews* 1949 24(1): 1-20.
Correspondence with H Munro-Fox (editor), JWS Pringle and CFA Pantin *re* the paper. Also printed proofs and an addendum to paper due to the time between submission and publication.
- D.5-D.6 'The effect of sodium ions on the electrical activity of the giant axon of the squid' c. 1949
Paper with AL Hodgkin published in *Journal of Physiology* 1949 108: 37-77.
2 folders.
For research material with Hodgkin see C.1-C.3.
- D.5 Typed Draft c.1949
Typescript, possibly final, draft including tables.
- D.6 Figures c.1949
Figures for the paper, attached to typescript details relating to them.
- D.7-D.10 'The effect of temperature on the electrical activity of the giant axon of the squid' 1948-1949
Paper with AL Hodgkin published in *Journal of Physiology* 109: 240-249.
4 folders.
For research material with Hodgkin see C.1-C.3.
- D.7 Drafts c.1948
Manuscript and typescript draft with additions, two further typescript drafts with manuscript additions.

Publications, D.1-D.213

- | | | |
|-----------|--|--------------|
| D.8 | Revised draft | 1948-1949 |
| | Covering letter from Hodgkin attaching a typescript draft, with additional graphs and notes. Also covering letter from Katz to journal editor enclosing the paper. | |
| D.9 | Figures and Graphs | c.1948 |
| | Hand-drawn graphs on graph paper and prints of results from film. | |
| D.10 | Notes on results | c.1948 |
| | Notes of references, drafts of graphs and preliminary results and tables. | |
| D.11-D.12 | 'The effect of calcium on the axoplasm of giant nerve fibres' | c. 1948-1949 |
| | Paper with AL Hodgkin published in <i>Journal of Experimental Biology</i> 1949 26: 292-294. | |
| | 2 folders. | |
| | For research material with Hodgkin see C.1-C.3. | |
| D.11 | Drafts | c. 1949 |
| | Manuscript draft, two typescript drafts with manuscript additions, and two typescript final drafts. | |
| D.12 | Correspondence, notes and graphs | c.1949 |
| | Correspondence from Hodgkin re the paper, graphs and figures re the paper, and manuscript notes and graphs re squid axoplasm. | |
| D.13 | 'Membrane potentials at the motor end-plate' | c.1949-1950 |
| | Paper with P Fatt published in <i>Journal of Physiology</i> 1950 111: 1-2. | |
| | Two typescript drafts with manuscript additions, letters to GH Bell (Dundee University) and WL Nastuk (Columbia University) attaching typescript drafts of paper. | |
| | | /... |

Publications, D.1-D.213

- /... Also includes proof copy of article.
For research material see C.47-C.91.
- D.14 'The effect of sodium ions on neuromuscular transmission' c. 1952
Paper with Fatt published in *Journal of Physiology* 1952 118: 73-87.
Typescript draft with manuscript additions.
For research material see C.47-C.91.
- D.15 'Statistical nature of 'facilitation' at a single nerve-muscle junction' 1953
Letter published in *Nature* 1953 171: 1016-1017.
Two typescript drafts of the paper, printed proof; envelope and four loose sheets of figures and covering letter to *Nature*. Also includes two very short typescript drafts of articles relating to the nerve-muscle junction, later published in *J Physiol* 1954 123(1).
- D.16-D.26 Journal of Physiology - Four papers with Castillo c.1953-1954
Papers with J Castillo published in *Journal of Physiology* 1954 124: 553-604:
'The effect of magnesium on the activity of motor nerve endings'
'Quantal components of the end-plate potential'
'Statistical factors involved in neuromuscular facilitation and depression'
'Changes in end-plate activity produced by pre-synaptic polarization'
11 folders.
For research material see C.95-C.104.

Publications, D.1-D.213

- | | | |
|-----------|---|--------------|
| D.16 | Correspondence | 1954 |
| | Correspondence with AF Huxley (editor) re the papers, submission, and queries raised. | |
| D.17 | Drafts of 'The effect of magnesium on the activity of motor nerve endings' | c.1953-1954 |
| | Two manuscript drafts, also partial typescript draft with manuscript additions. | |
| D.18 | Drafts of 'Quantal components of the end-plate potential' | c. 1953-1954 |
| | Two manuscript drafts, typescript draft with a few manuscript additions, and an envelope containing figures for the paper. | |
| D.19 | Drafts of 'Statistical factors involved in neuromuscular facilitation and depression' | c. 1953-1954 |
| | Two manuscript drafts, typescript draft with manuscript additions, and envelope containing figures for the paper. | |
| D.20 | Drafts of 'Changes in end-plate activity produced by pre-synaptic polarization' | c. 1953-1954 |
| | Full manuscript draft, partial manuscript draft, full typescript draft and a partial typescript draft with manuscript additions and additional sheets attached. | |
| D.21 | Proofs | 1954 |
| | Printed galley proofs of all four papers | |
| D.22-D.23 | Figures | c. 1953-1954 |
| | Loose printed figures and graphs relating to all four papers, some are annotated on the reverse as to which paper they relate to. | |
| | 2 folders. | |

Publications, D.1-D.213

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|-----------|---|--------------|
| D.24-D.26 | Figures | c. 1953-1954 |
| | <p>Thirteen envelopes containing prints from films, graphs and figures relating to all four papers. Very few are annotated with information as to which paper they relate to.</p> <p>3 folders.</p> | |
| D.27-D.32 | 'The membrane change produced by the neuromuscular transmitter' | 1954 |
| | <p>Paper with J Castillo published in <i>Journal of Physiology</i> 1954 125: 546-565.</p> <p>6 folders.</p> <p>For research material see C.105-C.110.</p> | |
| D.27-D.28 | Drafts | c. 1954 |
| | <p>Manuscript draft, two typescript drafts with manuscript additions, typescript draft of references and sketches of figures for the paper.</p> <p>2 folders.</p> | |
| D.29 | Correspondence and proofs | 1954 |
| | <p>Correspondence with AF Huxley and RD Keynes (editors) re corrections and suggestions. Also printed galley proof of article with manuscript additions.</p> | |
| D.30-D.31 | Figures | c. 1954 |
| | <p>Prints and figures of results for the paper.</p> <p>2 folders.</p> | |
| D.32 | Presentation drafts | c. 1954 |
| | <p>Manuscript and typescript drafts for a brief presentation on the work, given at the 'Mill Hill meeting', National Institute for Medical Research (NIMR).</p> | |

Publications, D.1-D.213

- D.33 'Action, and spontaneous release, of acetylcholine at an 'inexcitable' nerve-muscle junction' 1954
- Paper with J Castillo published in *Journal of Physiology* 1954 126(2):27P.
- Typescript draft and printed proof.
- For research material see C.118-C.122.
- D.34 'Effects of vagal and sympathetic nerve impulses on the membrane potential of the frog's heart' 1955
- Paper with J Castillo published in *Journal of Physiology* 1955: 129(3):48-9P.
- Typescript draft, hand-drawn illustrations and printed proofs of figures. Also correspondence with O Hutter who was undertaking similar research at the time.
- For research material see C.123-C.125.
- D.35-D.38 'On the localization of acetylcholine receptors' 1954-1955
- Paper with J Castillo published in *Journal of Physiology* 1955 128: 157-181.
- 4 folders.
- D.35 Correspondence 1954
- Correspondence with AF Huxley and RD Keynes (editors) *re* corrections, illustrations and points raised.
- D.36 Paper mounted figures c. 1954-1955
- Figures for the paper with titles, mounted onto paper.
- D.37-D.38 Card mounted figures c. 1954-1955
- Figures for the paper, mostly mounted onto card or with tracings. There is also some correspondence with printers *re* amendments required to some of the figures.
- 2 folders

Publications, D.1-D.213

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|-----------|--|-----------|
| D.39-D.45 | 'Biophysical aspects of Neuromuscular transmission' | 1955 |
| | Paper with J Castillo published in <i>Progress in Biophysics and Biophysical Chemistry</i> . 1956:6:121-70. | |
| | 7 folders | |
| D.39 | Correspondence | 1955 |
| | Correspondence with Pergamon Press <i>re</i> proofs, corrections and figures for the paper, notes and legends for the figures, correspondence with JD Robinson (University of Kansas) <i>re</i> a quotation used by Katz, and with WL Nastuk <i>re</i> suggested amendments. | |
| D.40 | Figures | c. 1955 |
| | Graphs and figures for the paper, some mounted on to card. | |
| D.41 | Manuscript drafts | c. 1955 |
| | Notes for the paper, one short draft and one long draft. | |
| D.42-D.45 | Typescript drafts | c. 1955 |
| | Four typescript drafts with manuscript additions. | |
| | 4 folders. | |
| D.46-D.47 | 'Role of the cell membrane in muscular activity' | 1955-1956 |
| | Paper published in <i>British Medical Bulletin</i> 1956 12(3): 210-213. | |
| | 2 folders. | |
| D.46 | Drafts | c. 1955 |
| | Manuscript draft, manuscript list of references, and typescript draft with manuscript additions. | |

Publications, D.1-D.213

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|-----------|---|-----------|
| D.47 | Correspondence and figures

Correspondence <i>re</i> invitation to write the paper, submission and publication. Also printed figures for inclusion in the paper. | 1955-1956 |
| D.48 | 'The interaction between edrophonium (tensilon) and acetylcholine at the motor end-plate'

Paper with S Thesleff published in <i>Brit. J. Pharmacol. Chemother.</i> 1957 12: 260-264.

Correspondence with GS Dawes (editor) <i>re</i> submission and abstract, printed proof, and envelope containing figures for the paper.

For research material see C.162. | 1957 |
| D.49-D.52 | 'A study of the 'desensitization' produced by acetylcholine at the motor end-plate'

Paper with S Thesleff published in <i>Journal of Physiology</i> 1957 138: 63-80.

4 folders.

For research material see C.147-C.156. | 1957 |
| D.49 | Correspondence

Correspondence with RD Keynes and EW Williams (editors) <i>re</i> typescripts, proofs and amendments. | 1957 |
| D.50 | Draft

Typescript draft proof with numerous manuscript additions. | c. 1957 |
| D.51 | Proof

Two galley proofs of the paper. | 1957 |
| D.52 | Figures

Graphs and figures <i>re</i> the paper. | c. 1957 |

Publications, D.1-D.213

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|-----------|--|------------------|
| D.53-D.59 | <p>Proceedings of the Royal Society - 4 papers with Castillo</p> <p>4 papers with J Castillo published in <i>Proceedings of the Royal Society</i>: 7 May 1957:</p> <p>'A Study of Curare Action with an Electrical Micro-Method'</p> <p>'The Identity of 'Intrinsic' and 'Extrinsic' Acetylcholine Receptors in the Motor End-Plate'</p> <p>'A Comparison of Acetylcholine and Stable Depolarizing Agents'</p> <p>'Interaction at End-Plate Receptors between Different Choline Derivatives'</p> <p>7 folders.</p> <p>For research material see C.134-C.146.</p> | 1957 |
| D.53 | <p>Correspondence</p> <p>Correspondence with JC Graddon and DC Martin (editors) <i>re</i> amendments and referees' comments.</p> | 1956-1957 |
| D.54 | <p>Notes</p> <p>Notes and tables <i>re</i> the papers, lists of references and figure legends.</p> | c. 1956-1957 |
| D.55 | <p>Arranged figures</p> <p>Two sets of figures numbered 1-11, mounted on to paper with legends.</p> | c. 1956-1957 |
| D.56-D.59 | <p>Loose figures</p> <p>Graphs, figures and sketches relating to the papers. Some are mounted on to paper with legends.</p> <p>4 folders.</p> | c. 1956-1957 |
| D.60 | <p>'Dissociation of the 'Surface Membrane Complex' in Atrophic Muscle Fibres'</p> <p>Note by Katz, Miledi and Birks published in <i>Nature</i> 184, 1507-1508 (7 November 1959).</p> | 1959

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Publications, D.1-D.213

- /... Correspondence with *Nature* re submission, printed copy of the note, manuscript draft, six typescript drafts with manuscript additions and an electronmicrograph print.
- D.61-D.62 'Review of 'Chemical and Molecular Basis of Nerve Activity' by D. Nachmansohn' 1959-1960
- Review published in *Perspectives in Biology and Medicine*, 1960 3:564-565.
- 2 folders.
- D.61 Correspondence 1959-1960
- Correspondence with E Munger (editor) re the review, correspondence and attached press cuttings re Nachmansohn's recent scientific findings and theories. Also correspondence re colleagues' comments on Katz's review.
- Correspondents include Herbert Shapiro, Otto Loewi, HH Dale, SW Kuffler, R Lorente de No, Alan [Hodgkin], Andrew [?Huxley].
- D.62 Drafts c. 1959-1960
- Manuscript notes to be used for the review, four typescript drafts with manuscript additions, typescript draft of a similar review by H Davson.
- D.63-D.67 'The localized action of 'end-plate drugs' in the twitch fibres of the frog' 1960
- Paper with R Miledi published in *Journal of Physiology* 1961 155: 399-415.
- 5 folders.
- For research material see C.175-C.180
- D.63 Correspondence 1960
- Typescript correspondence with EW Williams (editor) re submission, abstracts and amendments. Also envelope containing figures for the paper and acknowledgement cards from the journal editor.

Publications, D.1-D.213

D.64	Drafts	c. 1960
	Manuscript draft and two typescript drafts with manuscript additions.	
D.65	Proofs	c. 1960
	Typescript draft proof with manuscript additions in various colours and printed galley proof with manuscript additions.	
D.66-D.67	Figures	c. 1960
	Large and small draft figures <i>re</i> the paper, some mounted on to card.	
	2 folders.	
D.68-D.70	'The Terminations of the Afferent Nerve Fibre in the Muscle Spindle of the Frog'	1960-1961
	Published in <i>Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences</i> , Vol. 243, No. 703 (Feb. 2, 1961), pp. 221-240.	
	3 folders.	
	For research relating to this publication, see C.181-192.	
D.68	Correspondence	1960-1961
	Correspondence with JC Graddon and DC Martin (editors) <i>re</i> amendments and proofs. Also correspondence with SAA Jahn <i>re</i> reproduction of figures.	
D.69	Proofs	c. 1961
	Draft proof with manuscript additions in various colours, printed galley proof with manuscript additions and proofs of plates to go with the paper.	
D.70	Figure Legends	c. 1961
	Manuscript notes <i>re</i> references and figures, also drafts of legends to go with the figures.	

Publications, D.1-D.213

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|-----------|--|---------|
| D.71-D.75 | Dunham lectures | c. 1961 |
| | Harvard University Press wished to publish the lectures, but Katz was uncertain whether he could find the time. It appears they went unpublished. | |
| | 5 folders. | |
| | For further Dunham lecture material, see E.5. | |
| D.71 | Notes | c. 1961 |
| | Manuscript notes, workings out, equations and sketches. | |
| D.72 | Draft sections | c. 1961 |
| | Manuscript drafts for sections of the lectures, or possible ideas for the lectures. | |
| D.73-D.74 | Manuscript drafts | c. 1961 |
| | Some further manuscript notes and tables. Also a large number of manuscript pages, presumably forming a draft but with very little by way of titles or identification. | |
| | 2 folders. | |
| D.75 | Typescript draft | c. 1961 |
| | Letter from Katz to JD Elder (Harvard University Press) stating he cannot commit to publishing the lecture. Also typescript draft paginated 1-37 with manuscript additions and some inserted manuscript pages. | |
| D.76-D.78 | 'How cells communicate' | 1961 |
| | Article published in <i>Scientific American</i> 1961 Sep; 205:209-20. | |
| | 3 folders | |
| D.76 | Correspondence | 1961 |
| | Correspondence with D Flanagan (editor) re request to write article, illustrations, corrections and reprints. | |

Publications, D.1-D.213

- | | | |
|-----------|--|-----------|
| D.77 | Drafts | c. 1961 |
| | Manuscript draft, typescript draft with covering letter by Katz highlighting amendments, typescript marked-up copy. | |
| D.78 | Proofs | c. 1961 |
| | Two proof prints of the final article and proof prints of figures for the article. | |
| D.79-D.81 | 'The Croonian Lecture: The Transmission of Impulses from Nerve to Muscle, and the Subcellular Unit of Synaptic Action' | 1961-1962 |
| | Paper published in <i>Proceedings of the Royal Society of London. Series B, Biological Sciences</i> , Vol. 155, No. 961 (Apr. 10, 1962), pp. 455-477 based on Katz's Croonian lecture of 1961. | |
| | 3 folders. | |
| | For further Croonian lecture material, see E.6. | |
| D.79 | Notes | c. 1961 |
| | Manuscript notes by Katz on amendments to drafts, slides, references and legends for figures. | |
| D.80 | Drafts | c. 1961 |
| | Two typescript drafts with manuscript additions, typescript draft proof with manuscript additions in multiple colour inks. | |
| D.81 | Correspondence and proofs | 1961-1962 |
| | Typescript correspondence with JC Graddon (editor) and one set of printed galley proofs of the article with manuscript additions. | |

Publications, D.1-D.213

- D.82 'The effect of temperature on the synaptic delay at the neuromuscular junction' c. 1965
- Paper with R Miledi published in *Journal of Physiology* 1965 181: 656-670 and possibly also given as the Sharpey Schafer lecture (see E.10).
- Correspondence with D Whitteridge *re* arrangements for lecture, manuscript notes, draft and list of figures.
- D.83-D.84 'Weak links in myoneural transmission' 1964-1965
- Paper given at New York Academy of Sciences Myasthenia Gravis Conference in 1965 and published in the resulting conference monograph.
- 2 folders
- D.83 Drafts c. 1965
- Manuscript draft and four typescript drafts with manuscript additions.
- D.84 Other material 1964-1965
- Letter from HE Whipple (editor) *re* publishing in monograph, copy of the conference programme, figures and loose additional copies of two pages from the typescript drafts.
- D.85-D.122A 'Nerve, Muscle and Synapse' 1963-1975
- 'Nerve, Muscle and Synapse' was Katz's seminal textbook on the subject, published in 1966. This material comprises 39 folders including drafts, proofs, correspondence, and figures relating to the publication.
- See D.210 for oversize printed figures relating to this publication.
- D.85-D.99 Drafts 1965-1966
- 15 folders

Publications, D.1-D.213

D.85	Early draft	n.d.
	Early draft, comprising typescript pages with manuscript additions, and additional manuscript pages inserted throughout. Also includes some manuscript notes and figure titles.	
D.86	Manuscript draft	n.d.
	Manuscript draft numbered up to page 104.	
D.87	Typescript draft	n.d.
	Partial typescript draft numbered pages 48-106.	
D.88-D.89	Manuscript notes	n.d.
	Notes for corrections, additions, ideas, equations, references and also some correspondence seeking permission to use figures.	
	2 folders	
D.90	Partial typescript draft	c. 1965
	Typed draft with manuscript additions, numbered pages 1-106.	
D.91-D.92	Typescript draft	c. 1965
	Typescript draft including contents pages and references with some manuscript additions, numbered pages 1-237.	
	2 folders.	
D.93-D.94	Typescript draft	1965
	Typescript draft including contents page and references with some manuscript additions, numbered pages 1-237. There is a manuscript note on the front page reading 'No. 2 including editorial changes - 15/8/1965'.	
	2 folders.	

Publications, D.1-D.213

D.95-D.96	Typescript draft	c. 1965
	Typescript draft including contents pages and references with some manuscript additions, pages numbered 1-237 with some loose additional typescript pages.	
	2 folders.	
D.97	Index draft	c. 1966
	Typescript draft of index, with large number of manuscript additions in assorted colours, numbered pages 1-31.	
D.98	Index draft	c. 1966
	Typescript draft of index, with manuscript additions in black pen, numbered pages 1-31.	
D.99	Index draft and correspondence	1966
	Typescript draft of index, with manuscript additions in black pen, numbered pages 1-31. Also includes correspondence with McGraw Hill publishers regarding changes to the index, and manuscript notes <i>re</i> illustrations and other matters.	
D.100-D.110	Proofs	c. 1966
	11 folders	
D.100-D.103	Typescript draft proof	n.d.
	Cut-size typescript draft with a large number of manuscript additions in various colours, <i>re</i> changes to text and marking up styles for printing. Boards covering the front and back read 'McGraw Hill Ms for col.'	
	4 folders.	
D.104	Figures and proofs	n.d.
	Figures for the book, both hand-drawn originals and photocopies on graph paper, and versions to be used in the printed book.	

Publications, D.1-D.213

D.105-D.106	'A Set' proofs Cut size printed proofs stamped with 'A Set', including large number of manuscript additions by Katz in various colours. 2 folders.	n.d.
D.107-D.108	'Duplicate set' proofs Cut size printed proof with title page marked 'Author: Keep this duplicate set of proofs for your file'. Includes manuscript additions of underlining, possibly for underlining, italicising or indexing purposes in the final publication. 2 folders.	n.d.
D.109-D.110	Galley proofs Six sets of printed galley proofs of the book, some with manuscript additions in pencil. 2 folders.	1966
D.111-D.118	Correspondence 8 folders.	1963-1975
D.111-D.114	Correspondence with McGraw-Hill Book Company, Inc. Correspondence with representatives of McGraw Hill <i>re</i> publication of the book. Relates to guidelines for publications, content of book, comments on book, updates on progress, sending of proofs, corrections, artwork and figures, press notices and reviews, sales reports, prices and availability, requests for Katz to write a follow-up or revised edition. Also includes signed memorandum of agreement for the book. 4 folders.	1963-1975
D.115	Correspondence regarding translated versions Correspondence with McGraw Hill <i>re</i> contractual notifications, requests for proofs and diagrams. Also correspondence with translators for various editions <i>re</i> translation progress and forewords.	1967-1971 /...

Publications, D.1-D.213

/...	Correspondents include N Sanichelli (Italian), K Yamada, M Chiba & M Sato (Japanese), V Gerfinkel (Russian), R Rahamimoff (Hebrew) and F Bentrup (German).	
D.116	Correspondence with Wiley Publishers Correspondence with John Wiley & Sons Limited asking if Katz would write another book. Katz replied that he had too many other commitments and recommended approaching Dr. Ginsborg.	1970
D.117	Correspondence with readers Correspondence from researchers and students raising issues or queries relating to Katz's book.	1967-1975
D.118	The McGraw-Hill Authors Book 88pp bound volume sent with a letter from McGraw Hill (in D.85) containing instructions on drafts, illustrations, proofs, layout, deadlines and indexing etc.	1955
D.119-D.122	Figures 4 folders	c. 1965
D.119-D.120	Draft printed figures Drafts of printed figures from the publisher, with many manuscript additions, notes and corrections by Katz. 2 folders.	n.d.
D.121	Draft printed figures for 'molecules' Drafts of printed figures from the publisher, marked 'Speakman: Molecules' rather than 'Katz: Nerve, Muscle and Synapse' with manuscript additions and notes. [Possibly wrong proofs sent by publisher?]	n.d.
D.122	Glossy figures Hand-drawn figures numbered 1-35 on glossy photograph-sized paper.	n.d.

Publications, D.1-D.213

D.122A	Japanese Edition	1970
	Two copies of the Japanese publication of 'Nerve, Muscle and Synapse'.	
D.123-D.125	'The release of neural transmitter substances'	1967-1969
	Originally given as the Sherrington lecture in 1967 and later published in May 1969 by Liverpool University Press.	
	3 folders.	
D.123	Correspondence	1967-1969
	Correspondence between Katz and Liverpool University Press <i>re</i> agreements, reviews, publicity, proofs, corrections to figures and printing blocks, publication delays. Also correspondence with Liverpool University <i>re</i> arrangements for the original lecture.	
D.124	Lecture Drafts	c. 1967
	Notes and drafts for the lecture.	
D.125	Illustrations	n.d.
	Envelope inscribed 'Residual copies of illustrations for Sherrington lecture' containing loose figures as stated.	
D.126-D.145	'Archibald Vivian Hill'	1945-1985
	Memoir by Katz published in <i>Biographical Memoirs of Fellows of the Royal Society</i> , Vol. 24 (1978).	
	This material not only includes drafts, proofs and correspondence directly relating to the publication, but also contains a large amount of biographical material and correspondence collected by Katz in relation to Hill and used in the preparation of the memoir.	
	23 folders	

Publications, D.1-D.213

- | | | |
|-------------|---|--------------------|
| D.126 | Draft | c. 1977 |
| | Typescript draft with manuscript additions, numbered pages 1-101 with appendix and references. | |
| D.127 | Proof | c. 1977 |
| | Printed proof with manuscript additions, numbered pages 1-79. | |
| D.128-D.137 | Correspondence | 1951-1985 |
| D.128 | Correspondence | 1977-1978 |
| | Correspondence with the Royal Society <i>re</i> photographs and request to write the memoir. Correspondence with R Clark, AL Hodgkin and David Hill (AV Hill's son) <i>re</i> comments on the memoir. Also correspondence with <i>Nature</i> and <i>The Lancet</i> inviting Katz to write short obituaries for them, including three typescript drafts. | |
| D.129 | Biographical correspondence | 1977 |
| | Correspondence with many correspondents in response to Katz's requests for biographical information, anecdotes and experiences. Correspondents include: RA Peters, members of Hill's family, TP Feng and EM Kreps. | |
| D.130-D.132 | Churchill Archives | 1977 |
| | Correspondence with R Frank (Center for the Health Sciences, California) <i>re</i> AV Hill items held at the Churchill Archives Centre in Cambridge. Also correspondence with David Hill (AV Hill's son) <i>re</i> the archive papers, lists of AV Hill's archival material, publications list and list of awards received by Hill. | |
| | 3 folders. | |
| D.133 | University and portrait correspondence | 1945-1946,
1952 |
| | Correspondence from Hill on University related matters dated 1945-1946, and correspondence <i>re</i> arrangement and presentation of a portrait of Hill for display at UCL dated 1952. | |

Publications, D.1-D.213

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|---------------|---|-----------|
| D.133A-D.133B | 75th birthday planning | 1960-1961 |
| | <p>Correspondence <i>re</i> plans for AV Hill's 75th birthday, arranged by Katz and Grace Eggleton. Includes correspondence between Katz and Eggleton <i>re</i> planning events, lists of invitees/attendees, and responses to invitations including from A Fessard, H Weber, G Liljestrand, TP Feng, H Rosenberg, EJ Denton.</p> <p>2 folders.</p> | |
| D.134 | Correspondence | 1961-1973 |
| | <p>Correspondence between Katz and Hill dated 1964-1973. Also correspondence with the International Council of Scientific Unions <i>re</i> Katz's article 'Portrait: AV Hill' for them dated 1961.</p> | |
| D.135 | 90th birthday arrangements | 1976 |
| | <p>A luncheon in honour of Hill's 90th birthday at Pembroke College, Cambridge, was arranged by Katz, at which Hill was presented with a 'birthday book' signed by many of his colleagues and friends.</p> <p>Correspondence <i>re</i> people to be invited and lists of attendees. Also includes draft speech by Katz and menu.</p> | |
| D.136 | 90th birthday book and congratulations | 1976-1977 |
| | <p>Correspondence <i>re</i> birthday book for Hill and letter sent by Hill thanking everyone who contributed. Also includes correspondence between Katz and many well-wishers congratulating him on arranging the luncheon and book.</p> | |
| D.136A | Memorial service correspondence | 1977 |
| | <p>Brief correspondence <i>re</i> plans for AV Hill's memorial service, including two black and white photographs of Hill.</p> | |
| D.137 | Dictionary of National Biography | 1984-1985 |
| | <p>Contents of a folder inscribed 'AVH Biographical notice for Dictionary of National Biography'.</p> <p>Correspondence with publishers and drafts of entry for AV Hill in the dictionary.</p> | |

Publications, D.1-D.213

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|-------------|--|--------------------|
| D.138-D.145 | Biographical material | 1958-1978 |
| D.138 | Memorial service | 17 June 1977 |
| | Material relating to the memorial service of AV Hill, namely: Order of service, press cuttings of obituaries, typescript draft of Katz's address with manuscript additions, five typescript copies of the same address, photocopy of the address given in 1970 by Richard Keynes at the memorial service of AV Hill's wife Margaret. | |
| D.139 | Research notes | c. 1977 |
| | Manuscript notes by Katz taken from Royal Society biographies and on papers written by Hill. | |
| D.140-D.142 | Correspondence and invitations | 1958-1967,
1977 |
| | Assorted material relating to Hill's life, including lists of co-workers, letters sent to Hill with replies, draft circulars <i>re</i> arrangements for Hill's 75th birthday, requests for reprints and reviews of papers. Also a large number of invitation cards sent to Hill inviting him to dinners, concerts, lectures and exhibitions. | |
| | 3 folders. | |
| D.143 | Articles and material relating to Hill and Katz | 1970-1977 |
| | Contents of a folder inscribed 'Newspaper & magazine articles <i>re</i> AV Hill and B Katz'. | |
| | Includes photocopies of an obituary, correspondence from Hill, press cuttings <i>re</i> award of Nobel prize, black and white photographs of Katz receiving the Nobel prize, and further correspondence with Hill. | |
| D.144-D.145 | Other obituaries | 1977-1978 |
| | Biographies and obituaries of Hill in other publications, including King's College Cambridge newsletter, International Union of Physiological Sciences newsletter, The Blundellian newsletter, <i>ICSU Review</i> , <i>British Science News</i> , <i>Nature</i> . | |
| | 2 folders. | |

Publications, D.1-D.213

- D.146 'Does the motor nerve impulse evoke 'non-quantal' transmitter release?' 1981
- Paper with R Miledi published in *Proc. R. Soc. Lond. B. Biol. Sci.* 1981 May 7: 212(1186):131-7.
- Correspondence with the Royal Society *re* publication and prints from film of results, manuscript draft, two typescript 'preliminary' drafts with manuscript additions, typescript 'final' draft and printed page proof.
- D.147-D.162 'Stephen William Kuffler' 1951-1985
- Memoir by Katz published in *Biographical Memoirs of Fellows of the Royal Society*, Vol. 28, (Nov. 1982), pp. 225-259.
- 16 folders.
- This material includes drafts and proofs relating to the memoir, as well as correspondence with Kuffler retained by Katz, and correspondence with Kuffler's family and other colleagues used in the preparation of the memoir.
- D.147 Manuscript drafts c. 1981-1982
- Two manuscript drafts, along with manuscript notes made by Katz.
- D.148-D.149 Typescript drafts c. 1981-1982
- Two typescript drafts with manuscript additions by Katz.
- 2 folders.
- D.150 Typescript draft c. 1981-1982
- Typescript draft with manuscript additions by Phyllis Kuffler (SW Kuffler's widow).
- D.151 Typescript draft c. 1981-1982
- Typescript draft with manuscript additions by 'EA', Torsten [Wiesel] and Katz.

Publications, D.1-D.213

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|-------------|--|-----------|
| D.152 | Typescript proof | c. 1982 |
| | Typescript proof of article, marked up with many manuscript additions in various colours. | |
| D.153 | Printed proof | 1982 |
| | Printed galley proof of article, marked 'author to retain' and '1 Apr 1982'. | |
| D.154 | Other printed biographical accounts | 1982 |
| | Other published biographical accounts and obituaries of Kuffler, including National Academy of Sciences biographical memoir, <i>Journal of Experimental Biology</i> , Woods Hole newsletter, <i>Trends in Neuroscience</i> , <i>Journal of Neuroscience</i> . Also two publications lists. | |
| D.155-D.158 | Correspondence with Kuffler | 1951-1979 |
| | Correspondence between Katz and Kuffler <i>re</i> fellowships, experiments, society memberships, trips and meetings, papers for comment and humorous Harvard Medical School new year greetings cards. | |
| | 4 folders. | |
| D.159 | 'Selected correspondence with Kuffler' | 1953-1971 |
| | Contents of a folder so titled. | |
| | Correspondence between Katz and Kuffler <i>re</i> visits, publications, progress updates and nominations. This may have been selected from the general correspondence (D.155-D.158) with Kuffler for use in the biographical memoir. | |
| D.160 | Royal Society correspondence | 1982 |
| | Correspondence between Katz and the Royal Society <i>re</i> publication of the biographical memoir, photographs and corrections. | |

Publications, D.1-D.213

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|-------------|--|-----------|
| D.161 | Correspondence with family and colleagues | 1981-1983 |
| | Correspondence between Katz and Kuffler's family and colleagues <i>re</i> biographical information and comments on the memoir. Correspondents include Phyllis Kuffler (Kuffler's widow), Margaret Wilmot (Kuffler's sister), Torsten Wiesel and Felix Mlczoch (former colleague of Kuffler, correspondence in German). | |
| D.162 | Other correspondence | 1980-1985 |
| | Correspondence from colleagues and others in response to Katz's memoir. | |
| | Correspondents include V Mountcastle, R Couteaux, M Otsuka, J Hildebrand, D Purves, K Popper, J Griffith and D Potter. | |
| D.163-D.168 | 'Reminiscences of a Physiologist, 50 years after' | 1981-1987 |
| | Originally given by Katz as the Bayliss-Starling lecture in 1985, and later published in <i>Journal of Physiology</i> 1986 370 1:1-12. This formed the basis for Katz's later published autobiography, material relating to which can be found in A.11-A.17. | |
| | 6 folders. | |
| D.163 | Lecture and publication correspondence | 1981-1986 |
| | Correspondence with the Physiological Society and <i>Journal of Physiology</i> <i>re</i> the lecture, publication, illustrations and photographs. Also includes two black and white photographs of WAH Rushton and JC Eccles which were used in the final article. Other correspondents include M Rosenberg. | |
| D.164 | Drafts | c. 1985 |
| | Three typescript drafts of the lecture. | |
| D.165 | Reprint requests | 1986 |
| | Correspondence from various scientists requesting copies of Katz's paper. | |

Publications, D.1-D.213

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|-------------|---|-----------|
| D.166 | Past lectures | 1963-1983 |
| | Reprints from the <i>Journal of Physiology</i> of past Bayliss-Starling lectures given by Evans (1963), Daly (1967), Hill (1969), Gregory (1973), Barcroft (1976) and Pappenheimer (1982). | |
| D.167-D.168 | Élie de Cyon material | 1986-1987 |
| | Correspondence, copy correspondence, photocopied articles and photographs <i>re</i> Élie de Cyon, a Jewish-Russian descendant with links to Leipzig through collaborations with Carl Ludwig in the 1860s. | |
| | Correspondents include G Kennan and an unrelated Erwin Di Cyan. | |
| | 2 folders | |
| D.169-D.175 | 'Neural transmitter release: From quantal secretion to exocytosis and beyond' | 1989-1996 |
| | Paper originally given by Katz as the Fenn lecture at the International Union of Physiological Sciences [IUPS] Congress 1993 and later published in <i>Journal of Neurocytology</i> 1996: 25, 677-686. | |
| | 7 folders. | |
| D.169 | Lecture correspondence | 1991-1994 |
| | Correspondence with IUPS <i>re</i> invitation, arrangements, travel and lecture. Also three colour photographs of Katz at the Congress and at Lindau. | |
| | Correspondents include AF Huxley, D Noble, C Michel. | |
| D.170 | Journal correspondence | 1996 |
| | Correspondence with <i>Journal of Neurocytology re</i> invitation to publish the lecture, corrections and publication. | |
| D.171 | Notes | c. 1993 |
| | Manuscript notes on papers and experiments, presumably used in the writing of the lecture. | |

Publications, D.1-D.213

- | | | |
|-------------|---|------------------|
| D.172 | Drafts | c. 1993 |
| | Typescript draft with manuscript additions, photocopy of a typescript draft with no additions. | |
| D.173 | Offprints | 1989-1994 |
| | Offprints of articles <i>re</i> neuromuscular transmission, some of which are mentioned in Katz's notes (D.171) used in preparing the lecture. | |
| D.174 | Illustrations | 1997 |
| | Envelope of loose figures inscribed 'Katz originals. Illustrations Fenn lecture' and covering letter from journal editor. Some are mounted, some are prints, and some have 'Journal of Neurocytology' inscribed on reverse. | |
| D.175 | Additional material | 1965-1992 |
| | Material possibly used in preparation of the lecture, namely: Correspondence with editor of the Physiological Society magazine <i>re</i> an article by Katz on advances in his field, offprints <i>re</i> synaptic transmission, further notes on articles, drafts of two unspecified lectures. | |
| D.176-D.184 | EDITORIAL AND ADVISORY CORRESPONDENCE | 1961-1987 |
| | Correspondence relating to Katz's role as editor for Journals and similar. | |
| D.176 | 'Encyclopedia of Human Biology' | 1987 |
| | Correspondence inviting Katz to join the Executive Advisory Committee of the encyclopedia, along with a topic list and list of possible authors to approach. | |
| D.177 | <i>European Journal of Pharmacology</i> | 1981-1982 |
| | Correspondence, referee comment sheets and articles relating to 'The effects of 4-aminopyridine on acetylcholine release', submitted for publication in the journal and refereed by Katz. | |

Publications, D.1-D.213

D.178-D.181	<i>Journal of Neurophysiology</i> Correspondence with J Brookhart and V Mountcastle (chief editors, along with Katz). 4 folders	1961-1967
D.178	Editorial correspondence Correspondence with V Mountcastle <i>re</i> appointment of Katz as editor, comments on submitted papers, circulars to the board of editors including requests for comments on animal suffering in experiments.	1961-1963
D.179	Editorial correspondence Correspondence with V Mountcastle and J Brookhart (chief editors) <i>re</i> comments on submitted papers, annual reports on the journal, circular letters to the editorial board.	1964-1965
D.180	Editorial correspondence Correspondence with J Brookhart (chief editor) <i>re</i> comments on submitted papers and annual reports of the editorial board.	1965-1967
D.181	Copy letters to authors Copy correspondence from J Brookhart to authors of papers stating whether they are accepted or not.	1967
D.182-D.184	<i>Journal of Physiology</i> Correspondence with G Gordon and G Brindley (members of the editorial board, along with Katz), <i>re</i> refereeing and editing of submitted articles. 3 folders	1964

Publications, D.1-D.213

D.185-D.192	SHORTER PUBLICATIONS CORRESPONDENCE	1951-2001
D.185	'Caxton's new universal library' Contents of a folder inscribed 'Article for Rainbird - Caxton's new universal library'. Correspondence with Rainbird Reference Books Ltd <i>re</i> writing of the encyclopedia's entry for 'Biophysics'.	1964-1970
D.186	<i>Daedalus</i> Correspondence with SR Graubard (editor) <i>re</i> an article titled '20th century neurophysiology - From its foundations to present trends' for <i>Daedalus</i> (Journal of the American Academy of Arts and Sciences). Katz submitted a paper but later withdrew it as it required too much work to be accepted.	1976
D.187	'From neuron to brain' Draft chapter by Robert Martin, sent by him to Katz for his comments before publication in 'From Neuron to Brain, Fourth Edition' 2001.	1999
D.188	<i>Glaxo Volume</i> Contents of a folder inscribed 'Glaxo article'. Correspondence with G Dilley of The Glaxo Volume <i>re</i> article for volume 38 and an Italian translation of it.	1972-1975
D.189	<i>Journal of Neuroscience</i> Article by B Sakmann and others, and Katz's reply with comments on the article titled 'Three-Dimensional Reconstruction of a Calyx of Held and Its Postsynaptic Principal Neuron in the Medial Nucleus of the Trapezoid Body' prior to publication in the <i>Journal of Neuroscience</i> in 2002.	2001

Publications, D.1-D.213

D.190 'Motor Innervation of Muscle' 1974-1977

Correspondence with S Thesleff *re* a joint review article by Katz & Miledi titled 'The analysis of endplate noise - A new approach to the study of acetylcholine/receptor interaction' for publication in the book 'Motor innervation of muscle', edited by Thesleff.

D.191 *Proceedings of the National Academy of Sciences* 1984-1985

Submission to PNAS on behalf of R Miledi.

Correspondence and referees' reports for a paper by Gunderson, Jenden and Miledi titled 'Choline Acetyltransferase and Acetylcholine in Xenopus Oocytes Injected with mRNA from the Electric Lobe of Torpedo', submitted to PNAS via Katz and published in 1985.

D.192 *Scientific American* 1951-1970

Request for Katz to write an article for *Scientific American* (1951), correspondence *re* errors in a reprinted version of the article (1955-6), letter from AV Hill *re* the article (1961) and *re* an article by Ottoson & Shepherd (1970).

D.193-D.211 **FIGURES** **c.1940s-**
c.1970s

Assorted figures, some identified and some unidentified, relating to Katz's publications.

D.193-D.194 Excerpta Medica figures c.1965

Covering letter from the Excerpta Medica Foundation returning illustrations, dated 1965. Some of the figures are mounted onto card, with the majority inscribed 'Castillo & Katz - Paper I & II - JPhys' on reverse.

2 folders

Publications, D.1-D.213

- /... *Phys.* 1972), 'The binding of ACh to receptors' (*J. Phys.* 1973), 'Microphysiology of the neuromuscular junction' (*Bulletin of John Hopkins Hospital* 1958) and 'The effect of atropine' (*Proc. Roy. Soc.* 1973).
- D.205 'NR Katz' n.d.
Contents of a folder so inscribed.
Unidentified figures and prints, possibly for a German article.
- D.206-D.207 Figures c.1950s
Loose figures, prints, offprints of plates, and what appear to be early overhead transparencies of impulse measurements. Also includes offprints and notes from *Progress in Biophysics*, *Scientific American* and *Times Science Review*.
2 folders.
- D.208 Oversize figures n.d.
Oversize box of figures for publications with Miledi, Castillo and Birks (inscribed on reverse of some figures) or possibly reproduced in 'Nerve, Muscle and Synapse'.
- D.209 Oversize figures c. 1960s
Oversize box of mounted figures and graphs *re* various publications with Castillo & Miledi (inscribed on reverse) or possibly reproduced for 'Nerve, Muscle and Synapse'. Also figures and covering letter from PA Merton dated 1961.
- D.210 'Nerve, Muscle and Synapse' figures c. 1965
Oversized box containing one large Kodak photomechanical film box which contains printed figures numbered 1-36 with numerous manuscript additions and comments, for publication in 'Nerve, Muscle and Synapse'. Figures are a mixture of English and German.

Publications, D.1-D.213

D.211	Oversize figures	n.d.
	Oversize box containing mounted figures for unidentified publications. Some are inscribed 'Katz & Miledi' on reverse and most have legends. A few have manuscript annotations.	
D.212-D.213	OFFPRINTS	1932-1996
D.212-D.213	Offprints of published papers by Katz. 2 boxes.	1932-1996

SECTION E	LECTURES, E.1-E.64	1949-1990, n.d.
	E1-E.33 NAMED AND DATED	
	E.34-E.50 UNDATED BUT LOCATED	
	E.51-E.59 UNDATED AND UNLOCATED	
	E.60-E.62 UNIDENTIFIED	
	E.63-E.64 INVITATIONS	
E.1-E.33	NAMED AND DATED	1949-1990
	Material relating to identified and dated lectures, arranged chronologically.	
E.1	Public lectures, UCL, London, 21 October - 25 November 1949 Correspondence and programme for the series of six weekly public lectures titled 'Transmission of excitation in nerve and muscle'. Also brief manuscript lecture notes, offprint on ionic exchange by AL Hodgkin and Katz's to-do list.	1949
E.2	Herter lectures, Johns Hopkins School of Medicine, Baltimore, Maryland, USA, 20-21 January 1958 Katz gave two lectures titled 'Microphysiology of the neuro-muscular junction'. Correspondence <i>re</i> invitation to give lectures, arrangements, dates, travel plans, lecture subjects and titles.	1957-1958
E.3	Sydney Ringer Memorial Lecture, University College Hospital Medical School, London, 25 March 1958 Katz gave a lecture provisionally titled 'Inorganic ions and neuromuscular physiology'. Lecture notes, correspondence <i>re</i> invitation and arrangements.	1957-1958

Lectures, E.1-E.64

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|----------|--|-----------|
| E.4 | Prather Lectures, Harvard College, Cambridge, Massachusetts, USA, 1959 | 1958-1960 |
| | Correspondence with E Mayr of the college <i>re</i> invitation, arrangements and Katz's withdrawal due to other work commitments. | |
| E.5-E.5A | Dunham Lectures, Harvard Medical School, Boston, Massachusetts, USA, 27 March - 7 April 1961 | 1960-1962 |
| | Correspondence <i>re</i> invitation, arrangements, travel, dates, dinners and publication of lecture. Also lists of slides, brief notes and calculations for the lectures. | |
| | Correspondents include the organisers and SW Kuffler. | |
| | 2 folders. | |
| | See also D.71-D.75. | |
| E.6 | Croonian Lecture, The Royal Society, London, 18 May 1961 | 1961 |
| | Katz gave the lecture titled 'The transmission of impulses from nerve to muscle, and the subcellular unit of synaptic action'. | |
| | Correspondence with organisers <i>re</i> invitation, arrangements and dates. Also correspondence from others who couldn't attend wishing him well. | |
| | See also D.79-D.81. | |
| E.6A | Physiology & Biochemistry Society, Chelsea College, London, 14 November 1961 | 1961 |
| | Draft of lecture titled 'The transmission of impulses from nerve to muscle, and the subcellular unit of synaptic action'. | |
| E.7 | Richard Keynes' Lectures, The London Hospital Medical College, 11-25 February 1964 | 1964 |
| | Correspondence <i>re</i> arrangements for Katz to act as Chairman for the series of lectures. | |

Lectures, E.1-E.64

- E.8 Henry Dale 90th birthday Lecture, Royal College of Physicians, London, 11 June 1965 1965
- A joint celebratory meeting for the 90th birthday of Henry Dale was arranged by The Physiological and Pharmacological Societies, at which Katz gave a lecture titled 'On the release of neural transmitter substances'.
- Correspondence with organisers *re* invitation, arrangements, titles and advertising. Also correspondence with HH Dale *re* the lecture, celebrations and his current work.
- For an audio reel recording of Katz's lecture see J.252.
- E.9 Anderson Memorial Lecture, University of Virginia, Charlottesville, Virginia, USA, 25 October 1965 1965
- Katz gave a lecture titled 'On the release of neural transmitter substances'.
- Correspondence with the University *re* invitation, lecture titles, travel and arrangements. Also travel notes and itinerary.
- E.10 Sharpey Schafer Lecture, University of Edinburgh Medical School, 21 May 1965 1964-1965
- Correspondence *re* invitation and arrangements. No indication as to lecture title.
- See also D.82.
- E.11 Lecture by CG Bernhard, UCL, 15 March 1966 1965-1966
- Katz acted as Chairman for the lecture.
- Correspondence *re* invitation, attendees, arrangements.
- Correspondents include UCL organisers, J Rotblat and CG Bernhard.
- E.12 Proposed lecture in Leipzig, East Germany, 1967 1967
- Correspondence with S Rapoport and note *re* request to give lecture. It does not appear this went ahead.

Lectures, E.1-E.64

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|-----------|---|-----------|
| E.13 | Accademia Medico Fisica Fiorentina Lecture, Florence, Italy, 16 May 1968 | 1968 |
| | Correspondence <i>re</i> invitation, arrangements and finance. | |
| E.14 | British Postgraduate Medical Federation, University of London, 8 January 1970 | 1969-1970 |
| | Katz gave a lecture titled 'Recent studies on the physiology of motor nerve endings' as part of a series of lectures under the title of 'The Scientific basis of Medicine'. | |
| | Correspondence with J McMichael of the Federation, <i>re</i> invitation, arrangements, information on the series, possibility of publication. | |
| E.15-E.16 | 'Lectures on the Charles M. & Martha Hitchcock Foundation', University of California, Berkeley, USA, 13-22 October 1970 | 1970-1971 |
| | Katz gave a series of four lectures under the title 'Lectures on the transfer of signals across cell boundaries' in his role as Hitchcock Professor at the University of California. | |
| | 2 folders. | |
| E.15 | Lecture notes | 1970 |
| | Manuscript lecture notes, notes and figures. Also two leaflets advertising the lectures and further typescript notes with manuscript additions <i>re</i> quantal release. | |
| E.16 | Correspondence | 1970-1971 |
| | Correspondence with University organisers <i>re</i> invitation, previous lecturers, arrangements and travel. Also correspondence with colleagues including SW Kuffler <i>re</i> lectures and visits during his time in the USA. | |
| E.17 | 'Faculty colloquium - 1971' | 1971 |
| | Brief manuscript lecture notes so titled. | |

Lectures, E.1-E.64

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|-------|---|-----------|
| E.18 | <p>6th Gowers Memorial Lecture, The National Hospitals for Nervous Diseases, London, 9 November 1971</p> <p>Katz gave a lecture titled 'The secretory function of nerve terminals'.</p> <p>Six cards detailing Gowers lectures for 1956, 1960, 1962, 1965, 1968 and 1971. Also correspondence with W Goody of University College Hospital <i>re</i> invitation, arrangements and previous lectures.</p> | 1971 |
| E.18A | <p>University of London Institute of Neurology Opening Address, 13 October 1971</p> <p>Correspondence <i>re</i> arrangements and invitations. Also list of slides and very brief notes for address titled 'Current views on the mechanism of transmitter release'.</p> | 1971 |
| E.19 | <p>'Basel lecture - 1973'</p> <p>Brief manuscript notes so titled, and a list of slides <i>re</i> electrical exploitation of ACl receptors.</p> | 1973 |
| E.20 | <p>'Current Developments in the Sciences' series, University of London Extra-Mural Studies Department, 11-25 October 1973</p> <p>Katz was responsible for a reorientation course titled 'Developments in the Sciences' open to all.</p> <p>Correspondence <i>re</i> lecture series, programmes, lack of attendance and closure of course.</p> | 1973 |
| E.21 | <p>1st Otto Kraye Lecture, Harvard Medical School, Boston, Massachusetts, USA, 10-17 March 1974</p> <p>Katz gave a lecture titled 'Molecular action of acetylcholine at the neuromuscular junction' before going on to give the Murlin lecture in Rochester (E.22) during this trip to the USA.</p> <p>Correspondence with IH Goldberg and organisers <i>re</i> invitation, travel, arrangements and visas.</p> | 1973-1974 |

Lectures, E.1-E.64

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| E.22 | <p>John R Murlin Lecture, University of Rochester, New York, USA, 18-22 March 1974</p> <p>Katz gave a lecture titled 'The release and disposal of the neuromuscular transmitter'.</p> <p>Correspondence with the University <i>re</i> invitation, arrangements, programmes, itineraries, information on John Murlin.</p> | 1973-1974 |
| E.23 | <p>3rd Grass Foundation Lecture, Annual Meeting of the Society for Neuroscience, St. Louis, Missouri, USA, 21 October 1974</p> <p>Katz gave a lecture titled 'Molecular components of neuromuscular transmission'</p> <p>Notes and correspondence with organisers <i>re</i> visas, recording of lecture, travel and expenses. Also invitations to visit other institutions whilst in the USA, flight tickets and brief manuscript lecture notes.</p> | 1974-1975 |
| E.24 | <p>Hammersmith Postgraduate Association Annual Lecture, London, 8 March 1974</p> <p>Katz gave a lecture titled 'Molecular components of Transmission at the Neuromuscular junction'.</p> <p>Correspondence with EC Gordon-Smith of the Association <i>re</i> invitation, lecture titles, dates, arrangements and possibility of publication. Also includes a poster advertising the event.</p> | 1973-1974 |
| E.25 | <p>Fogarty Scholarship, National Institutes of Health, Bethesda, Maryland, USA, 1975</p> <p>Correspondence <i>re</i> offer of scholarships and lectures at Fogarty International Center and arrangements. Katz was unable to accept due to other commitments.</p> | 1972-1977 |
| E.26 | <p>Transport club, King's College, London, 10 March 1976</p> <p>Katz gave a lecture titled 'End-plate noise - A new approach to the study of synaptic transmitter action'.</p> | 1975

/... |

Lectures, E.1-E.64

- /... Correspondence with PF Baker of the club *re* invitation and acceptance.
- E.27 Feldberg Foundation Lecture, UCL, London, 17 May 1977 1977
- Katz acted as host for a lecture given by E Habermann and also arranged a post-lecture dinner.
- Correspondence *re* arrangements, invoices and invitations.
- E.28 Claude Bernard Centenary Symposium, Paris, France, 5-7 December 1978 1978
- Katz acted as Chair for one of the sessions.
- Correspondence with organisers *re* invitation and arrangements.
- E.29 Bertha Bauer Lecture, McMaster University, Ontario, Canada, 14 September 1978 1978
- Katz gave a lecture titled 'Synaptic transmission – from multicellular to molecular action'.
- Correspondence *re* invitation, arrangements, travel, information on people at the University and queries on temperature of Niagara Falls. Also includes a poster advertising the lecture, two black and white photographs of Katz talking to students and manuscript brief lecture notes.
- E.30 Lane Medical Lectures, Stanford University, California, USA, 2-5 April 1979 1979-1980
- Katz gave a series of three lectures under the title 'Synaptic transmission – from multicellular to molecular action'.
- Correspondence *re* invitation, arrangements, lecture titles, visas and taxes. Also visa paperwork, poster advertising the series of three lectures. Also correspondence with EX Albuquerque *re* visiting him before the lectures and a draft article by him.

Lectures, E.1-E.64

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| E.31 | <p>Forbes Lectures, Marine Biological Laboratory, Woods Hole, Massachusetts, USA, 17-18 July 1980</p> <p>The Forbes Fellowship was funded by The Grass Foundation and Katz gave two lectures under the title 'Synaptic transmission – from cellular to molecular action'. Katz also lectured as a part-time instructor on a Cold Spring Harbor course before the lectures (22 June-12 July).</p> <p>Correspondence <i>re</i> invitations, arrangements, travel, meetings, accommodation.</p> | 1979-1980 |
| E.32 | <p>32nd Cartwright Lecture, College of Physicians and Surgeons, Columbia University, New York, USA, 6 November 1986</p> <p>Katz gave a lecture titled 'Looking back at the neuromuscular junction'.</p> <p>Correspondence and notes <i>re</i> invitation, lecture titles, arrangements, dinner in honour of E Neher and B Sakmann. Also hotel bills and travel insurance documents.</p> | 1986-1987 |
| E.33 | <p>Carl Gustaf Bernhard Lecture, Royal Swedish Academy of Sciences, Stockholm, Sweden, 25 April 1990</p> <p>Katz delivered the first Carl Gustaf Bernhard lecture titled 'Planning and following the unexpected in scientific research'.</p> <p>Correspondence and some draft replies <i>re</i> invitation, arrangements and travel. Also lecture drafts, travel tickets and documents, photocopy of lecture draft.</p> | 1990 |
| E.34-E.50 | <p>UNDATED BUT LOCATED</p> <p>Material relating to lectures with locations given but no indication of dates, arranged alphabetically.</p> | n.d. |
| E.34 | <p>'Boston'</p> <p>Manuscript notes and list of slides.</p> | n.d. |

Lectures, E.1-E.64

E.35	'Carmel'	n.d.
	Manuscript notes and list of slides for a series of four lectures.	
E.36	'Erice - lectures'	n.d.
	Typed lecture notes <i>re</i> transmission of signals.	
E.37	'Harvard - Seminar'	n.d.
	Brief manuscript notes <i>re</i> quantal and vesicular hypotheses.	
E.38	'Japan talk'	n.d.
	Brief manuscript notes <i>re</i> experiences and reminiscences, draft of full speech.	
E.39	'Japan/USA'	n.d.
	Brief manuscript notes for two lectures on the influence of Henry Dale and ACI.	
E.40	'Jerusalem'	n.d.
	Brief manuscript notes <i>re</i> quantal and vesicular hypotheses.	
E.41	'King's College'	n.d.
	Brief manuscript notes <i>re</i> neuromuscular transmission.	
E.42	'Liège lecture'	n.d.
	Brief manuscript notes <i>re</i> neuromuscular transmission.	

Lectures, E.1-E.64

E.43	'Melbourne'	n.d.
	Brief manuscript notes and full lecture notes <i>re</i> research and society.	
E.44	'Oxford lecture in May'	n.d.
	Brief manuscript notes <i>re</i> conduction.	
E.45	'Paris'	n.d.
	Brief manuscript notes <i>re</i> quantal release.	
E.46	'Plymouth talk'	n.d.
	Brief manuscript notes <i>re</i> new biophysics course.	
E.47	'Stanford lectures'	n.d.
	Brief manuscript notes and lists of slides for a series of three lectures at Stanford.	
E.48	'Stockholm'	n.d.
	Brief manuscript notes on the past 30-40 years of research.	
E.49	'Tübingen'	n.d.
	List of slides for lecture.	
E.50	'Woods Hole / Stockholm'	n.d.
	Brief manuscript notes for two lectures and one seminar.	

Lectures, E.1-E.64

E.51-E.59	UNDATED AND UNLOCATED	n.d.
	Material relating to lectures which are titled but do not provide a date or location, arranged alphabetically.	
E.51	'Elementary components of synaptic transmission'	n.d.
	Lecture draft with manuscript additions for a lecture so titled.	
E.52	'Lecture to B.Sc. Class'	n.d.
	Brief manuscript notes so titled.	
E.53	'Quantal release of ACI'	n.d.
	Manuscript notes so titled.	
E.54	'Signalling'	n.d.
	Lecture draft with manuscript additions, <i>re</i> the mechanism of signalling.	
E.55	'The molecular effect of the neuromuscular transmitter'	n.d.
	Lecture draft so titled, given by Katz and Miledi as part of tributes for A von Muralt.	
E.56	'The release of neuro-transmitters and the present state of the vesicular hypothesis'	n.d.
	Lecture draft so titled, along with brief manuscript notes listing the slides to be used.	
E.57	'The transmission of excitation within cells and across cell boundaries'	n.d.
	Lecture draft so titled, typescript with manuscript additions.	

Lectures, E.1-E.64

E.58	'Two centuries of neuroscience - A brief survey from the beginnings to present trends' Lecture draft so titled, typescript with manuscript additions.	n.d.
E.59	'40 Years since Dale' Two copies of lecture drafts with manuscript additions, <i>re</i> progress in the 40 years since HH Dale's announcement of chemical mediation interposed between nerve and muscle.	n.d.
E.60-E.62	UNIDENTIFIED Lecture material with no identifying titles, locations or dates.	n.d.
E.60-E.62	Unidentified lecture notes Notes, lists of slides, graphs and other material for unidentified and undated lectures. Mostly manuscript. 3 folders.	n.d.
E.63-E.64	INVITATIONS	1949-1974
E.63	Invitations Correspondence <i>re</i> invitations to give lectures at a wide range of institutions and Universities (mostly in the UK) and replies as to whether Katz is able to attend. Also some letters from colleagues thanking Katz for his lectures and requests for further information. The majority of correspondence is dated 1952-1968.	1949-1974
E.64	Invitations Correspondence <i>re</i> invitations to give lectures or attend meetings. The majority were declined due to Katz's other commitments.	1952-1967

SECTION F **VISITS AND CONFERENCES, F.1-F.70** **1952-1991**

Correspondence, notes, drafts and reports relating to visits made and conferences attended by Katz.

F.1 Cold Spring Harbor Symposium, New York, USA, 5-13 June 1952 1952

Correspondence with organisers *re* visa arrangements and publication of talks, and with Stephen Kuffler *re* visit.

F.1A Stockholm Symposium, Stockholm, Sweden, 5-6 December 1952 1952-1953

Correspondence with Y Zottermann *re* Katz's talk on miniature endplate potentials at a symposium on 'receptors', and with P Fatt who worked with Katz on the experiments.

F.1B 'Paris Symposium', Paris, France, July 1955 1955-1958

Contents of a folder so inscribed.

Correspondence arising with A Fessard and R Couteaux and notes *re* discussion at the symposium after a paper by Couteaux on 'the motor end-plate'. Also typescript and manuscript drafts of contributions to the symposium by Katz and J Castillo titled 'The quantal basis of neuromuscular transmission', 'Membrane changes produced by nerve impulse in the pacemaker region of the heart' and 'Extra- and intracellular application of acetylcholine (Ach) to single end-plates'.

F.2-F.5 Australia, 6 May - 30 July 1957 1956-1958

4 Folders *re* Katz's visit and lecture tour of 1957.

Katz visited Sydney (6-12 May and 12 June-29 July) to work with PO Bishop at the University of Sydney, Canberra (13 May-11 June) to work with JC Eccles at the Australian National University, Melbourne (18-20 June) and Brisbane (9-10 July) to give the John Thomson Memorial Lecture at the University of Queensland.

Prior to his trip he visited Israel and Karachi, and returned to London via the USA on July 30th.

Visits and Conferences, F.1-F.70

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| F.2 | 'Australian Tour, 1957' | 1956-1957 |
| | Contents of a folder so inscribed. | |
| | Correspondence, mostly with The Hebrew University, Jerusalem, University of Queensland, University of Melbourne and Australian National University, Canberra, <i>re</i> arrangements for lectures, visits and travel, including letters of invitations and of thanks. | |
| F.3 | 'Australia 1957' | 1957 |
| | Contents of a folder so inscribed. | |
| | Correspondence <i>re</i> visits, travel, meetings, finance and periods of leave from UCL. Also includes reports to the Wellcome Trust on his trip. | |
| F.4 | 'Australia (2 papers with Curtis & Eccles)' | 1957 |
| | Contents of a folder so inscribed. | |
| | Correspondence with D Curtis, loose computer printed figures for articles, typescript draft with manuscript additions titled 'The excitation of rensaw cells by pharmacological agents' by Curtis, Eccles and Katz, and typescript draft with manuscript additions titled 'Pharmacological investigations of diffusional barriers within the central nervous system' by Curtis and Eccles. | |
| F.5 | University of Sydney | 1957-1958 |
| | Typescript draft and final lecture scripts with manuscript additions, typescript draft of second lecture with manuscript additions, typescript draft titled 'transmission of excitation', notice advertising the lectures, photograph of participants, and photographic copies of two slides for the lecture. Also correspondence arising dated 1958. | |
| F.6-F.9 | Study Program in Biophysical Science, Boulder, Colorado, USA, 20 July - 16 August 1958 | 1957-1958 |
| | Katz gave two lectures which were subsequently published. | |
| | 4 folders. | |

Visits and Conferences, F.1-F.70

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| F.6 | Arrangements | 1958 |
| | Correspondence <i>re</i> arrangements, travel, visas, and lists of participants. | |
| F.7 | Lecture correspondence | 1957 |
| | Correspondence <i>re</i> arrangements for Katz to give two lectures. | |
| F.8 | Lectures | 1958-1960 |
| | Manuscript and typescript drafts of lectures for publication, titled 'Mechanisms of synaptic transmission' and 'The nature of the nerve impulse'. Also some correspondence <i>re</i> the publication. | |
| F.9 | Lectures and notes | 1958 |
| | Guidebook for participants, manuscript lecture notes, typescript drafts of lectures and correspondence <i>re</i> publication of Katz's second lecture. | |
| F.10 | Conference on Certain Fundamental Aspects of Biophysical Science, Bethesda, Maryland, USA, 15-17 January 1958 | 1957-1958 |
| | Katz gave a lecture on 'Problems of neuro-muscular transmission'. | |
| | Correspondence <i>re</i> arrangements, contributions to conference and travel, brief manuscript lecture notes, typescript programme and list of participants. | |
| F.11 | International Biophysics Conference on Recent Contributions of Physics to Biology, Cambridge, 6-9 July 1959 | 1958-1959 |
| | Katz was Chairman for a talk given by AL Hodgkin. | |
| | Correspondence and circulars <i>re</i> arrangements and meetings, conference programmes. | |

Visits and Conferences, F.1-F.70

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| F.12-F.14 | Russian Exchange Visit, 20 May - 8 July 1961 | 1961-1966 |
| | <p>Katz visited the Soviet Union under an exchange agreement between the Royal Society and the Academy of Sciences of the USSR. He delivered lectures and seminars and visited several Institutes in Moscow, Kiev, Tblisi and Leningrad, including the Moscow Biophysics Institute, Institute of Physiology of the Ukrainian Academy of Sciences, Institute of Physiology of the Georgian Academy of Sciences, Pavlov Institute and Institute of Cytology.</p> <p>3 folders.</p> | |
| F.12 | Personal correspondence | 1960-1966 |
| | <p>Correspondence <i>re</i> arrangements, useful addresses, finances, interpreters and personal letters of thanks. Also travel documents and a final report by Katz on the visit.</p> | |
| F.13 | Scientific correspondence | 1961-1962 |
| | <p>Correspondence with Agricultural Research Council <i>re</i> rabbit muscles, brief manuscript lecture notes, correspondence with Russian colleagues (Shapovalov, Kreps, Shamarina and Liberman) <i>re</i> visits and arising, correspondence and typescript drafts <i>re</i> obituary of Ginetzinsky, correspondence and photographs from Shuranova.</p> | |
| F.14 | Photographs | n.d. |
| | <p>Photographs of the visit to Russia. Mostly black and white but some are colour, with the majority including Katz.</p> | |
| F.15 | Visit to Germany, 15-19 November 1965 | 1965 |
| | <p>Correspondence <i>re</i> invitation, arrangements and travel for guest lecture at the Free University of Berlin and the receiving of the Feldburg Award at Universitat des Saarlandes. Partly in German.</p> | |
| F.16-F.16A | 23rd International Congress of Physiological Sciences, Tokyo, Japan, 1-9 September 1965 | 1964-1965 |
| | <p>Katz gave a lecture titled 'Neuromuscular transmission'.</p> | |

Visits and Conferences, F.1-F.70

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| F.16 | Correspondence and lecture notes | 1964-1965 |
| | <p>Correspondence <i>re</i> invitations, arrangements, programmes, travel and thanks, typescript lecture notes and abstract. Also some material <i>re</i> the 3rd Symposium on Comparative Neurophysiology which was also held in Tokyo around the same time.</p> <p>Correspondents include A Takeuchi and G Kato.</p> | |
| F.16A | Photograph album | 1965 |
| | <p>Oversize string-bound green photograph album containing 30pp of black and white photographs from the Congress, including AV Hill, G Kato.</p> | |
| F.17 | Symposium on Mechanisms of Release of Biogenic Amines, Stockholm, Sweden, 21-24 February 1965 | 1964-1965 |
| | <p>Correspondence <i>re</i> arrangements, travel, lectures, chairmanship, publication of proceedings. Also includes manuscript and typescript drafts of lectures.</p> <p>Correspondents include A Lundberg.</p> | |
| F.18 | Nobel Symposium: Muscular Afferents and Motor Control, Stockholm, Sweden, 1-4 June 1965 | 1964-1965 |
| | <p>Katz was a chairman of one session.</p> <p>Correspondence <i>re</i> arrangements. Correspondents include J Ekstedt and R Granit.</p> | |
| F.19 | 24th International Congress of Physiological Sciences, Washington, D.C., USA, 25-30 August 1967 | 1967-1968 |
| | <p>Katz was unable to attend due to work commitments.</p> <p>Correspondence inviting Katz to be a chairman and giving further information on the congress.</p> | |
| F.20 | International School of Physics 'Enrico Fermi' course on Processing of optical data by organisms and by machines, Varenna, Italy, 15-27 July 1968 | 1968-1969
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Visits and Conferences, F.1-F.70

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- Katz chaired two sessions and gave two lectures, titled 'Membrane potentials in general' and 'Initiation of spikes by generator potentials and of synaptic potentials by spikes'.
- Correspondence *re* invitations, arrangements and subsequent publication of proceedings, typescript and manuscript drafts of lectures.
- Correspondents include W Reichardt.
- F.21 Tübingen visit and lecture, Germany, 2-6 June 1969 1969
- Correspondence with W Reichardt and K Kramer *re* invitations and arrangements for visit and lectures.
- F.22 Summer School, Varenna, Italy, 29-30 August 1969 1968-1969
- Correspondence with R Couteaux *re* arrangements and lecturers for summer school. Partly in French.
- F.23 The Bat-Sheva Seminar on Synaptic & Sensory Transduction, Jerusalem, Israel, 30 March - 13 April 1970 1969-1970
- Correspondence, mostly with R Rahamimoff *re* arrangements, travel, finance and thanks.
- F.24-25 9th International Conference on Medical and Biological Engineering, Melbourne, Australia, 23-27 August 1971 1970-1971
- In addition to lecturing at this conference, Katz delivered the Keith Inglis Memorial Lecture and gave talks at Sydney Hospital, the International Bio-engineering Conference, three public lectures as well as undergraduate lectures and seminars at Melbourne and Monash Universities. He also held a visiting fellowship at Ormond College, University of Melbourne, between 17 August and 22 September. At the request of the British Council he then visited Singapore and Thailand between 23-26 September before returning home.
- Correspondence *re* arrangements, invitations, travel and lectures.
- 2 folders

Visits and Conferences, F.1-F.70

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| F.26 | INSERM Symposium on Cholinergic Transmission, Paris, France, 2-3 June 1972 | 1972 |
| | Symposium organised by INSERM (Institut National de la Santé et de la Recherche Médicale). | |
| | Correspondence <i>re</i> arrangements for attendance. | |
| | Correspondents include R Couteaux. | |
| F.27 | 'International School of Biophysics' 4th Course, Erice, Sicily, 23 April - 9 May 1973 | 1973 |
| | Katz was director of the course in 1973. | |
| | Programmes and poster <i>re</i> the course, correspondence <i>re</i> attendance of others, lists of participants and lectures, correspondence from lecturers <i>re</i> lecture titles and topics. | |
| F.28 | Molecular Biology Colloquium, Göttingen, Germany, 6-11 June 1974 | 1974 |
| | Notes and correspondence with O Creutzfeldt <i>re</i> arrangements for Katz to give a lecture as part of the colloquium. | |
| F.29 | 26th International Congress of Physiological Sciences, Delhi, India, 14-16 October 1974 | 1974 |
| | Correspondence <i>re</i> arrangements and attendance. | |
| F.30 | Sir Henry Dale Centennial Symposium, Cambridge, 17-19 September 1975 | 1975 |
| | Oversize black and white photograph of participants including Katz, mounted on card. | |
| F.31 | S.E.S. Symposium, St. Andrews, Scotland, 1976 | 1976 |
| | Proof and correspondence <i>re</i> publication of Katz's introductory lecture of the symposium. | |

Visits and Conferences, F.1-F.70

- F.32 Japanese Pharmacological Society, Tokyo, Japan, 26 March - 13 April 1977 1976-1978
- Correspondence *re* arrangements, lecture abstracts, travel, accommodation, figures for reprint of lecture. Correspondents include S Ebashi, M Chiba, Y Katsuki.
- F.33 Neurobiology Program Anniversary, University of North Carolina, Chapel Hill, USA, 17-20 April 1977 1977-1983
- Correspondence, mostly with E Perl of the University *re* arrangements, travel, lecture notes and possible publication after the lecture.
- F.34 Minerva-Katzir Symposium, Braunlage, West Germany, 24-30 September 1978 1978
- Correspondence, mostly with K Kaufmann *re* invitation, arrangements, programmes. Also some financial receipts and postcard of Max Planck Institut für Zellbiologie, Wilhelmshaven.
- F.35 7th International Saint Vincent Prize for Medical Sciences, Rome, Italy, 3 September 1979 1978-1979
- Katz was part of the commissioned jury which met in 1979.
- Correspondence with B Masi *re* arrangements, information on the prize, voting procedures and travel. Also includes manuscript notes by Katz on the nominees.
- F.36 'Dahlem workshop on The role of Intercellular Signals: Navigation, Encounter, Outcome', Berlin, West Germany, 12-16 March 1979 1978-1979
- Correspondence *re* arrangements and publication of the proceedings, typescript draft of report for publication, preliminary and final programmes.

Visits and Conferences, F.1-F.70

- F.37 Weizmann Institute & Israeli Physiological Society, Tel Aviv, Israel, 13-25 October 1979 1978-1979
- Katz was awarded an honorary doctorate by the Weizmann Institute, giving lectures there and at the Israeli Physiological Society.
- Correspondence *re* invitations to events in Israel, arrangements and travel. Also an insurance certificate and receipts for accommodation.
- F.38 Symposium in honour of Rene Couteaux, Paris, France, 26-28 September 1979 1978-1979
- Katz was chairman for one of the sessions.
- Correspondence *re* invitation, travel, arrangements and publication of manuscripts, symposium programme, three black and white photographs of Katz, Lady Katz and other participants.
- F.39-F.40 Visiting Professorship, Cornell University, New York, USA, 20 March - 20 April 1980 1975-1980
- Katz undertook lectures as part of a one month visiting Professorship at Cornell University, New York. He also gave the Meyer Bodansky lecture at the University of Texas, Galveston, the George H Bishop lecture and symposium at Washington University, St. Louis, Missouri, and attended a symposium in honour of Stephen Kuffler.
- Correspondence *re* invitations, arrangements, travel plans, finances, itineraries and visas, air travel tickets and receipts, brief manuscript notes for the Bishop lecture and the Meyer Bodansky lecture.
- Correspondents include D Purves *re* Washington University symposium and GG Hammes *re* Cornell University Professorship.
- 2 folders.
- F.41 Recent Developments in Receptor Pharmacology - Symposium in honour of Heinz Schild, Basle, Switzerland, 6-7 June 1980 1980
- Katz gave a lecture on noise analysis. /...

Visits and Conferences, F.1-F.70

- /... Correspondence *re* invitation, arrangements, programme, travel, typescript drafts and proofs of lecture for publication in *Postgraduate Medical Journal*.
- For photographs from this symposium see A.101.
- F.42 Chemical Neurotransmission 75 years - Karolinska Institutet Second Nobel Conference, Stockholm, Sweden, 7-9 December 1980 1980-1982
- Correspondence, mostly with L Stjärne of the Institute, *re* arrangements, travel, concluding remarks given by Katz and publication of proceedings. Also material *re* two 'Nobel Laureate revisiting lectures' given by Katz at the same institution earlier that year (17-25 September).
- F.43 Neurobiology Courses and Workshops, Cold Spring Harbor, New York, USA, 9-29 July 1981 1981
- Katz was due to be a part-time instructor but was eventually unable to attend due to ill health.
- Correspondence *re* invitation, arrangements, travel and cancellation, two posters advertising the courses, brief manuscript lecture notes and list of slides.
- F.44 Neurosciences Research Program Inaugural Symposium, New York, USA, 14 March 1983 1983
- Katz gave the opening lecture titled 'Two centuries of neuroscience - A brief survey from the beginning to present trends'.
- Correspondence *re* invitation, arrangements, lectures, visas and travel. Also typescript drafts of lecture with manuscript additions.
- F.45 Galileo Galilei & Alfred Nobel Celebrations, San Remo and Rome, Italy, 1-11 May 1983 1983
- Correspondence, mainly with A Zichichi (chairman of the organizing committee) *re* invitation, programme, arrangements and travel.

Visits and Conferences, F.1-F.70

- F.46 Symposium zum 60 Geburtstag von Werner Reichardt, 1983-1984
Tübingen, West Germany, 3-4 February 1984
- Katz gave a lecture titled 'Biophysical aspects of nerve-muscle transmission'.
- Correspondence in German with K Götz *re* programme, lecture, travel and arrangements.
- F.47-F.48 International Union of Physiological Sciences Meeting, 1984-1985
Jerusalem, Israel, 19-31 August 1984
- Katz chaired a lecture as part of the conference, and also visited the Rappaport Family Institute for Research in the Medical Sciences (RFIRMS).
- Correspondence with Y Palti and R Rahamimoff *re* invitations, arrangements, travel and expenses, Israeli press cuttings, short report on meeting for the Royal Society, envelope of photographs including Katz.
- 2 folders.
- F.49 10th Seiriken Conference, Okazaki, Japan, 3-15 March 1984-1985
1985
- Katz gave a lecture titled 'Looking back at the neuromuscular junction'. He also visited other colleagues, friends and institutions in Tokyo, Okazaki, Kyoto and Niigata.
- Correspondence *re* invitations, travel plans, arrangements, programmes and itineraries. Also colour photographs of his time in Japan.
- Correspondents include H Sugi, S Ebashi, S Yamagishi.
- F.50 International Foundation of Scientists Holland Forum, 1984-1985
The Hague, The Netherlands, 29 May - 2 June 1985
- Katz was part of the honorary committee, but withdrew due to uncertainty over the dates and venue, and having other commitments.
- Correspondence with manuscript additions in reply *re* invitations, arrangements, participants and planning.

Visits and Conferences, F.1-F.70

- F.51 'Naturwissenschaftlich-Philosophisches Kolloquium Universität Mainz', West Germany, 19 June 1985 1985
- Correspondence with C v.Campenhausen *re* invitation, arrangements, lecture titles, and correspondence arising. Also includes two posters advertising Katz's lecture and brief manuscript lecture notes.
- F.52-F.53 'Studienstiftung des Deutschen Volkes' (German National Academic Foundation), St. Johann, Südtirol, Italy, 31 August - 14 September 1986 1985-1986
- Katz ran a two week course in collaboration with B Sakmann.
- Correspondence in German and in English *re* invitation, arrangements, lectures and seminar titles and groups, participants, references and literature for the course, correspondence arising.
- Correspondents include KH Kohrs, B Sakmann.
- 2 folders.
- F.54 American Physiological Society Centennial meeting, Washington, D.C., USA, 29-30 March 1987 1986-1987
- Before this meeting Katz gave a seminar at Rockefeller University, New York, then giving a lecture and chairing a symposium at the Washington meeting, followed by a speech at a history luncheon.
- Correspondence *re* invitations, arrangements, lectures and speeches, travel funds and arrangements. Also travel documents and tickets, and report on trip to the Royal Society.
- F.55 Science & Medicine Sesquicentennial Symposium, Rush-Presbyterian-St. Luke's Medical Centre, Chicago, Illinois, USA, 29 April 1987 1987
- Before this symposium, Katz left Britain on 18 April to visit the University of California in Irvine, and give a seminar at the University of Colorado, Denver Health Sciences faculty, before attending the symposium in Chicago. /...

Visits and Conferences, F.1-F.70

- /... Correspondence *re* travel, arrangements, invitations for all three events. Also travel documents, tickets and itineraries. The majority of the Chicago correspondence is with E Schwartz, including some papers and preprints by him.
- F.56 Eric K Fernström Symposium, University of Lund, Sweden, 6-11 June 1988 1987-1988
Travel documents, symposium programme, correspondence *re* publishing of lecture by Katz titled 'Looking back at the neuromuscular junction' and drafts for publication.
- F.57 The Physiological Society Symposium in honour of Bernard Katz, University College London, 5-7 April 1989 1989
The symposium preceded the Physiological Society's annual meeting that year.
Correspondence *re* lecturers, attendance, programmes, and in honour of Katz's birthday.
- F.58-F.60 European Society for Neurochemistry meeting, Leipzig, East Germany, 23-28 July 1989 1988-1990
Katz delivered a plenary lecture. It was only Katz's second return to his home town (the first being the previous year). Earlier in 1989 (8-11 April) he also visited Halle for the Annual Meeting of the Deutsche Akademie der Naturforscher Leopoldina, and correspondence relating to this is also included.
- F.58 Correspondence 1988-1990
Correspondence *re* invitations, travel, applications for travel grants, arrangements and programmes. Some correspondence is in German, particularly *re* Leopoldina meeting. Also some correspondence *re* Élie de Cyon (see D.167-D.168).
Correspondents include D Biesold, H Bethge.

Visits and Conferences, F.1-F.70

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| F.59-F.60 | <p>Background material</p> <p>Material which appears to have been sent with a letter in F.58 from D Biesold to Katz, probably as background for his lecture.</p> <p>Publication lists of the Carl-Ludwig-Institut für Physiologie at Karl-Marx-Universität Leipzig (1969-1985), offprints of articles by workers at Karl Marx Universität (1982-1988), black and white photographs, travel information, obituaries and certificates of Max Siegfried.</p> <p>2 folders</p> | 1969-1988 |
| F.61-F.62 | <p>'Creativity and Discovery in the Biomedical Sciences' Symposium, Royal Society of Medicine Foundation, New York, USA, 16-17 October 1989</p> <p>Katz gave a lecture titled 'Following the unexpected in scientific research'.</p> <p>Correspondence, mostly with W O'Reilly (Executive Director) <i>re</i> invitation, arrangements, lectures and references, later publication of Katz's lecture in the <i>Creativity Research Journal</i>, typescript drafts of the lecture for publication.</p> <p>2 folders.</p> | 1989-1994 |
| F.63-F.64 | <p>8th General Meeting of the European Society for Neurochemistry, Leipzig, East Germany, 23-28 July 1990</p> <p>Katz gave a plenary lecture entitled 'Chemical wave transmission from nerve to muscle'.</p> <p>Correspondence and notes <i>re</i> invitation, travel, arrangements, lectures, programmes and payment of travelling expenses, typescript copies of lecture, later correspondence <i>re</i> death of Dietmar Biesold, travel tickets and documents.</p> <p>2 folders.</p> | 1989-1991 |
| F.65 | <p>International Symposium on the Cholinergic Synapse, Berlin, West Germany, 23-27 September 1990</p> <p>Katz was Honorary Chairman and gave an introductory speech.</p> | 1989-1990

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Visits and Conferences, F.1-F.70

- /... Correspondence including facsimiles, some in German, mostly with F Hucho *re* invitation, travel plans, arrangements and programmes. Also hotel bills and black and white photograph of Katz with Hucho.
- F.66 Society for Neuroscience Annual Meeting & Gerard Award, St Louis, Missouri, USA, 28 October - 2 November 1990 1990
- Correspondence including some facsimile pages *re* invitation and acceptance of award, biographical information, travel and arrangements.
- F.67 Wellcome Symposium on Historical Aspects of Neurosciences, London, 19 April 1991 1990-1991
- Katz was intending to give a lecture, but was forced to withdraw due to ill health.
- Correspondence with Wellcome Trust *re* invitation, programme, arrangements and ill health, three draft copies of his lecture 'Two centuries of neuroscience - a brief survey'. Also typescript notes for a lecture titled 'Chemical wave transmission' given at Leipzig in 1990.
- F.68 64th International Titisee Conference, Titisee, Germany, 16-20 October 1991 1991
- Correspondence with organisers *re* invitation, accommodation, travel, expenses, arrangements, programmes and participants, black and white photograph of participants including Katz, photocopy from an autobiographical essay by Katz, newsletter from Boehringer company (sponsors of the event).
- Correspondents include H Fröhlich.
- F.69 Boehringer & Lindau Illustrations c. 1991-1993
- Contents of a folder inscribed 'Illustrations for Boehringer, Also figures used later (Lindau 1993)'
- Illustrations and figures, some photocopied, some prints, some card mounted. Also some electron micrographs.

Visits and Conferences, F.1-F.70

F.70

Invitations

1979-1983

Contents of a folder inscribed 'Invitations 1974-'.

Correspondence inviting Katz to symposia and conferences, dated 1979-1983.

SECTION G SOCIETIES AND ORGANISATIONS, G.1-G.131 1955-2002

- G.1 ACCADEMIA NAZIONALE DEI LINCEI
- G.2-G.7 AGRICULTURAL RESEARCH COUNCIL
- G.8-G.12 AMNESTY INTERNATIONAL
- G.13-G.14 ASSOCIATION OF UNIVERSITY TEACHERS
- G.15-G.47 BALZAN PRIZE FOUNDATION
- G.48-G.52 BASLE UNIVERSITY BIOZENTRUM
- G.53 BEIT MEMORIAL FELLOWSHIPS
- G.53A EUROPEAN MOLECULAR BIOLOGY ORGANISATION
- G.54-G.55 FRIENDS OF THE HEBREW UNIVERSITY OF JERUSALEM
- G.56-G.68 MAX PLANCK INSTITUTES
- G.69-G.71 MUSCULAR DYSTROPHY GROUP OF GREAT BRITAIN
- G.72-G.73 NATIONAL ACADEMY OF SCIENCES
- G.74-G.83 ORDEN POUR LE MÉRITE FÜR WISSENSCHAFTEN UND KÜNSTE
- G.84 PHYSIOLOGICAL SOCIETY
- G.85-G.87 RESEARCH DEFENCE SOCIETY
- G.88-G.131 ROYAL SOCIETY

G.1 ACCADEMIA NAZIONALE DEI LINCEI 1968
Membership certificate

G.2-G.7 AGRICULTURAL RESEARCH COUNCIL 1967-1969
Contents of a folder inscribed 'ARC Literature 1968/9'.
Katz was a member of the ARC between 1967 and 1977.
6 folders.

Societies and Organisations, G.1-G.131

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| G.2 | Press notices | 1967-1969 |
| | ARC Press notices, mostly biographical information on new committee members. | |
| G.3 | Newsletters | 1967-1969 |
| | Five ARC newsletters. | |
| G.4-G.5 | Reports | 1967-1969 |
| | Soil survey of Great Britain (1967), ARC Babraham biennial report (1968), Animal Breeding Research Organisation report (1968), Working Party on the Forward Programme (1969). | |
| | 2 folders. | |
| G.6-G.7 | Committee list | 1967 |
| | ARC Committees and Members list, with two amendment notices. | |
| | 2 folders. | |
| G.8-G.12 | AMNESTY INTERNATIONAL | 1973-1991 |
| | Contents of a folder inscribed 'Amnesty File'. | |
| | Correspondence, information and circulars from Amnesty and other similar organisations seeking support and signatures from Nobel laureates for their causes, predominantly in the area of imprisoned scientists in the Soviet Union and wars in the Middle East. Katz tended to respond only to cases where he knew those involved or believed action would make a difference, with the predominant case in this material being that of the biophysicist Sergei Kovalev. | |
| | 5 folders. | |

Societies and Organisations, G.1-G.131

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| G.13-G.14 | ASSOCIATION OF UNIVERSITY TEACHERS | 1976-2001 |
| | <p>UCL alumni benefits booklet, AUT circulars and membership cards, membership handbooks 1997-2001. Also AUT circulars <i>re</i> changes to superannuation and correspondence with I Christie <i>re</i> NUS action in 1976.</p> <p>2 folders.</p> | |
| G.15-G.47 | BALZAN PRIZE FOUNDATION | 1978-1995 |
| | <p>The Balzan Prize aims to foster culture, the sciences and meritorious initiatives in the cause of humanity, peace and brotherhood among peoples, awarding prizes in a range of subject areas. Katz was appointed to the committee in 1978 and resigned in 1995.</p> <p>The material includes correspondence, papers and nominations.</p> | |
| G.15-G.16 | Appointment and expenses | 1978-1982 |
| | <p>Correspondence <i>re</i> travel, expenses and appointment to the prize committee. Also includes contact list and statutes for 1982.</p> <p>2 folders.</p> | |
| G.17-G.18 | Nominations correspondence, 1979 prize | 1979-1982 |
| | <p>Correspondence with the Balzan Foundation <i>re</i> nominations for the 1979 prize in Biology. Also information leaflets dated 1978 <i>re</i> bye-laws and regulations, and programme for the 1982 award.</p> <p>2 folders.</p> | |
| G.19 | Nominations correspondence, 1979 & 1982 prizes | 1979-1982 |
| | <p>Correspondence with Royal Society and UCL colleagues <i>re</i> nominations for the prizes in Botany (1979) and Biology (1982).</p> | |
| G.20 | Nominations correspondence, 1981 prize | 1981-1983 |
| | <p>Correspondence with Balzan Foundation <i>re</i> nominations for the 1981 prize in Geology/Geophysics. Also some 1982/83 circulars.</p> | |

Societies and Organisations, G.1-G.131

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| G.21-G.24 | History of Art nominations, 1985 prize | 1985 |
| | Letters and supporting information nominating candidates for the prize, mostly in French and Italian, dated February - March 1985. | |
| | 4 folders. | |
| G.25-G.31 | Mathematics nominations, 1985 prize | 1985 |
| | Letters and supporting information nominating candidates for the prize, mostly in French, Italian and English, dated February - March 1985. | |
| | 7 folders. | |
| G.32-G.37 | Palaeontology nominations, 1985 prize | 1985 |
| | Letters and supporting information nominating candidates for the prize, mostly in English, Italian and German, dated February - March 1985. | |
| | 6 folders. | |
| G.38-G.40 | Correspondence | 1985-1986 |
| | Correspondence with Balzan Foundation <i>re</i> appointment to committee, requests for nominations, travel expenses, notices of meetings and proposed candidates for the committee. Some correspondence in Italian. Also includes minutes of meetings <i>re</i> the award in the area of Oceanography. | |
| | 3 folders. | |
| G.41-G.47 | Correspondence, expenses, programmes | 1986-1995 |
| | Correspondence <i>re</i> Katz's resignation from the committee, travel expenses, 'Balzan Day' celebrations in 1989, changes in committee members, requests for nominations and notes on candidates. Also programmes/abstracts from the 1992, 1994 and 1995 ceremonies, and a contacts list. | |
| | 7 folders | |

Societies and Organisations, G.1-G.131

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| G.48-G.52 | BASLE UNIVERSITY BIOZENTRUM | 1986-1989 |
| | <p>Circulars, reports and minutes of the Advisory Board of the Biozentrum of the University of Basle, relating to fellowships, support and tenured posts.</p> <p>5 folders.</p> | |
| G.53 | BEIT MEMORIAL FELLOWSHIPS | 1977-1983 |
| | <p>Correspondence with J Morse (Chairman) <i>re</i> Katz's appointment to, and retirement from, the board of trustees for the Beit Memorial Fellowships. Also includes circulars <i>re</i> additional fellowships and finances specifically for work in Zimbabwe, Zambia and Malawi.</p> | |
| G.53A | EUROPEAN MOLECULAR BIOLOGY ORGANIZATION | 1978 |
| | <p>Correspondence confirming Katz's election as an Associate Member of EMBO.</p> | |
| G.54-G.55 | FRIENDS OF THE HEBREW UNIVERSITY OF JERUSALEM | 1976, 2001 |
| | <p>Katz had considered moving to Israel and joining the University before deciding to emigrate to Britain instead.</p> <p>For further correspondence with the University, see H.188.</p> | |
| G.54 | Correspondence | 1976 |
| | <p>Correspondence with A Neuberger <i>re</i> possibility of Katz's appointment to the Advisory Committee of the Friends of the Hebrew University of Jerusalem. It appears Katz did not hear anything further from the University however.</p> | |
| G.55 | Newsletter | 2001 |
| | <p>Newsletter from the Friends of the Hebrew University of Jerusalem, May 2001.</p> | |

Societies and Organisations, G.1-G.131

G.56-G.68	MAX PLANCK INSTITUTES	1969-1994
	<p>Katz was appointed to the Kuratorium (Board of Trustees) of the Max Planck Institut für Biologische Kybernetik in Tübingen (1969-1994) and the Fachbeirat (Scientific Advisory Board) of the Max Planck Institut für Biophysikalische Chemie (Karl-Friedrich-Bonhoeffer-Institut) in Göttingen (1977-1988)</p> <p>The material includes correspondence, minutes, notes and reports.</p>	
G.56-G.60	<p>Tübingen Kuratorium correspondence</p> <p>Correspondence <i>re</i> visits and meetings, travel arrangements, agendas and programmes, appointment, re-appointment and resignation from the kuratorium.</p> <p>Correspondents include W Reichardt, K Kirschfeld, Roland Hengstenberg, K Götz, R Lüst. Mostly in German to Katz but Katz's replies are in English.</p> <p>5 folders.</p>	1969-1987
G.61-G.64	<p>Tübingen Kuratorium correspondence</p> <p>Correspondence <i>re</i> meetings, reports on work and departments, travel plans and circulars.</p> <p>Correspondents include W Reichardt, K Gotz, K Kirschfeld, H Haken. Mostly in German, including the majority of Katz's replies.</p> <p>4 folders.</p>	1987-1994
G.65	<p>Göttingen Fachbeirat correspondence</p> <p>Correspondence <i>re</i> meetings, arrangements, notes from meetings and departmental reports.</p> <p>Correspondents include HG Zachau, R Lüst. In English and German.</p>	1977-1979
G.66-G.68	<p>Göttingen Fachbeirat correspondence</p> <p>Correspondence <i>re</i> resignation from committee, reports on meetings, agendas, travel arrangements and department reports.</p>	1979-1988

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Societies and Organisations, G.1-G.131

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- Correspondents include HG Zachau and H Stabb. In English and German.
- 3 folders.
- G.69-G.71 MUSCULAR DYSTROPHY GROUP OF GREAT 1978-1979**
BRITAIN
- Katz was appointed Rapporteur by the group to visit laboratories where research funded by the group was being undertaken.
- G.69-G.70 Correspondence 1978-1979**
- Correspondence, mostly with the group's medical research committee *re* visits to laboratories, fees and expenses, travel arrangements and invitations to symposia, conferences and workshops.
- 2 folders.
- G.71 Report and correspondence 1979**
- Drafts of report by Katz on current research being supported by the group, and correspondence regarding it. Also annotated programme card from the group's 1980 symposium.
- G.72-G.73 NATIONAL ACADEMY OF SCIENCES 1989**
- Circulars attaching guidance notes and blank nomination forms for electing new members for 1990. Also list of newly elected members in 1989 which includes R Miledi and E Neher.
- 2 folders.
- G.74-G.83 ORDEN POUR LE MÉRITE FÜR WISSENSCHAFTEN 1982-2002**
UND KÜNSTE
- Correspondence relating to the Orden Pour le Mérite für Wissenschaften und Künste (Order of merit for the sciences and art), a federal civilian award limited to no more than 30 Germans and 30 Foreigners at one time.

Societies and Organisations, G.1-G.131

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| G.74-G.76 | <p>Correspondence and circulars</p> <p>Contents of a folder inscribed 'Pour le merite I'.</p> <p>Circulars and correspondence from the order secretariat <i>re</i> notices of meetings, expenses, meeting programmes and minutes.</p> <p>Correspondents include HG Zachau, R König and many others. All of the correspondence and circulars are in German.</p> <p>3 folders.</p> | 1982-1995 |
| G.77-G.78 | <p>Correspondence and biographical notes</p> <p>Contents of a folder inscribed 'Pour le merite II'.</p> <p>Biographical information on new members or nominees. Also some correspondence <i>re</i> meetings and programmes. All in German.</p> <p>2 folders.</p> | 1995 |
| G.79-G.83 | <p>Correspondence and circulars</p> <p>Contents of a folder inscribed 'pour le merite III'.</p> <p>Circulars from the order secretariat <i>re</i> meeting minutes and programmes, member contact lists, brief historical information on the order (in English and German). Also letters sending best wishes to Katz when he was unable to attend meetings, signed by other members of the order, as well as congratulatory correspondence and greeting cards on the occasion of Katz's 85th birthday. All in German.</p> <p>5 folders.</p> | 1995-2002 |
| G.84 | <p>PHYSIOLOGICAL SOCIETY</p> <p>Correspondence <i>re</i> speech on Naples Zoological Station at the society's 1971 AGM, after dinner speeches, demonstrations, changes to the publication of the society's journal and requests to reprint some of Katz's papers from the journal.</p> <p>Correspondents include JS Gillespie, JC Eccles and AL Hodgkin.</p> | 1962-1976 |

Societies and Organisations, G.1-G.131

G.85-G.87 RESEARCH DEFENCE SOCIETY 1973-1977

Correspondence, mostly with WDM Paton (Chairman) *re* departmental contribution and provision of accommodation for meetings. Also circulars from the society including newsletters, information, membership forms, press releases and updates on parliamentary bills.

3 folders.

G.88-G.131 ROYAL SOCIETY 1955-2002

Katz was elected a Fellow in 1952 and held the post of Biological Secretary between 1968 and 1976.

G.88-G.99 General correspondence

G.100-G.113 Committees

G.114-G.118 Nominations

G.119-G.128 Topics

G.129-G.131 Miscellaneous

G.88-G.99 General correspondence 1956-1982

G.88-G.92 Correspondence 1956-1963

Correspondence and circulars *re* exchange visits, appointments, visits, newly elected members, notices of meetings, professorships, acknowledgements, proposals, bursaries, acceptance of papers, programmes of talks, requests and appointments to committees.

5 folders.

G.93 Correspondence 1969-1970

Contents of a folder inscribed 'RS General & Personal 1969-1972'.

Correspondence with DC Phillips *re* selection processes, correspondence with EB Chain *re* serving on sectional committee, correspondence with W Feldberg *re* biographical memoir of Henry Dale.

Societies and Organisations, G.1-G.131

G.94-G.95	Correspondence Contents of a folder inscribed 'RS Misc'. Correspondence and circulars <i>re</i> papers, meetings at London School of Hygiene and Tropical Medicine, parliamentary bill <i>re</i> laboratory animals, meetings, reports, committees and the International Brain Research Organisation. 2 folders.	1971-1980
G.96-G.99	Correspondence Contents of a folder inscribed 'RS General 1973-'. Correspondence and circulars <i>re</i> proposals for fellowship, visits, acknowledgements of reports, submitted papers, exchange programmes, fellowships, positions, committee elections, retirement from committees, overseas visitors. 4 folders.	1973-1982
G.100-G.113	Committees	1955-1963
G.100-G.105	Government grants board H Circulars <i>re</i> notices of meetings and minutes, booklets detailing grant applications, and correspondence <i>re</i> nominations, grants and proposals. 6 folders.	1955-1959
G.106	'British National Committee for Biology' Contents of a folder so inscribed. Circulars including reports, minutes, agendas and notices of meetings.	1958-1960
G107-G.110	'Sectional Committee' Contents of a folder so inscribed.	1960-1962 /...

Societies and Organisations, G.1-G.131

/...	Circulars <i>re</i> meetings, lists of papers for publication, minutes and elected fellows. Also correspondence <i>re</i> appointment to committee, nomination procedures, nominations and support. 4 folders.	
G.111-G.113	Medical Sciences Research Committee Circulars of reports, minutes, background information on research fellowships and lists of candidates. 3 folders.	1960-1963
G.114-G.118	Nominations	1966-1993
G.114	Fellowship nominations	1966
G.115	Foulerton Professorship	1974
G.115A	Fellowship nominations	1975-1976
G.116	Fellowship nominations	1982-1983
G.117	Research Professorship	1983
G.118	Fellowship nominations	1993
G.119-G.128	Topics	1960-1977
G.119-G.120	'Tercentenary exhibition' Contents of a folder so inscribed. Correspondence <i>re</i> tercentenary exhibition and conversazione, including letters of thanks, organising and arrangements, notes for demonstrations to be given, exhibition lists and invitation cards.	1960-1964
		/...

Societies and Organisations, G.1-G.131

- /... Correspondents include AL Hodgkin and RD Keynes *re* giving scientific demonstrations at the exhibition.
2 folders.
- G.121-G.122 'Florey Appeal - The Chain reaction' 1966-1969,
1979
Contents of a folder so inscribed.
Correspondence with EB Chain *re* the role of Howard Florey in the history of penicillin discovery as given in the programme for the appeal. Also letter to Chain's wife following his death in 1979.
2 folders.
- G.123 'RS Population Study' 1968-1969
Contents of a folder so inscribed.
Correspondence, reports and circulars *re* joint report with the National Academy of Sciences, and the future of the Royal Society Population Study group. Most of the correspondence is with the Galton Foundation.
- G.124 Naples Zoological Station 1969-1970
Correspondence with M Pantaleo (of the Zoological Station) and JF Embling (of the Department for Education and Science) *re* change of statutes and use of the station, and a supporting interim grant.
- G.125 Naples Zoological Station 1973-1977
Circulars from RWJ Keay including minutes and requests for use of the station. Also correspondence *re* possible funding of a special fellowship based at the station and applications for the post of director.
- G.126 'Aldabra policy' 1976
Contents of a folder so inscribed.
Correspondence *re* funding and visit to a research station located on Aldabra [an atoll in the Seychelles].

Societies and Organisations, G.1-G.131

G.127-G.128	'RS Editorial'	1969-1977
	Contents of a folder so inscribed.	
	Correspondence <i>re</i> acceptance of papers, refereeing of papers, responses to the question of why so few submissions were being made to the RS Proceedings, printing schedules, responses from associate editors on the possibility of including short rapid communications in the Proceedings.	
	2 folders.	
G.129-G.131	Miscellaneous	1954-2002
G.129	Miscellaneous material	1954-1961
	Report of Council (1959), sectional committee minutes (1960-1961), circular from the Society for the Protection of Science and Learning Limited (1960), circulars for the Royal Society's Paul Instrument fund (1958), annual reports of the Royal Society & Nuffield Foundation Commonwealth Bursary scheme (1954, 1959).	
G.130	List of Fellows	1982
	'Classified list of Fellows' publication, December 1982.	
G.131	List of new Fellows	2002
	List of new Fellows and Foreign members of the Royal Society, 2002.	

SECTION H CORRESPONDENCE, H.1-H.359 1950-2003

These sections have been retained as originally arranged by Katz, with some amendments to create fully alphabetical and chronological sequences.

- H.1-H.153A RESEARCH STUDENTS AND VISITING WORKERS
- H.154-H.258 COLLEAGUES AND ORGANISATIONS
- H.259-H.298 PERSONAL
- H.299-H.331 GENERAL
- H.332-H.344 SCIENTIFIC AND TECHNICAL
- H.345-H.359 REFERENCES AND REQUESTS

H.1-H.153A RESEARCH STUDENTS AND VISITING WORKERS 1950-1995

Mostly dated 1950s-1970s. The existing alphabetical arrangement has been retained.

- H.1 Abbott, B.C. 1951-1954

Research and career. Includes recommendations.
- H.2 Alderson, D.A. 1955

Arrangements for work at UCL.
- H.3 Alvarez-Buylla, R. 1953-1954

Funding. Includes recommendations.
- H.4-H.5 Anderson, C.R. 1973-1977

Funding and publications. Includes cv.

2 folders
- H.6 Auerbach, A.A. 1968-1969

Research, funding and arrangements for work at UCL.

Correspondence, H.1-H.359

H.7	Baker, N. Funding and arrangements for work at UCL. Includes recommendations.	1960-1963
H.8	Baumann, F. Arrangements for work at UCL.	1969-1970
H.9	Beranek, R. Arrangements for work at UCL, funding, publications and notice of Beranek's sudden death in 1969.	1962-1969
H.10	Berent, C. Arrangements for work at UCL.	1969-1970
H.11	Berk, L. Enquiry for work at UCL.	1960
H.12	Betz, W. Arrangements for work at UCL and funding. Includes recommendations.	1968-1977
H.13-H.14	Bevan, S.J. Publications, funding and research. Includes recommendations. 2 folders.	1969-1977
H.15	Birks, R.I. Arrangements for work at UCL and career. Includes recommendations and progress reports.	1956-1969

Correspondence, H.1-H.359

H.16	Boëthius, J. Enquiry for work at UCL.	1971-1972
H.17	Boistel, J. Arrangements for work at UCL, research and publications.	1957-1959
H.18-H.19	Boyd, I. Arrangements for work at UCL, research news, visits, career and publications. 2 folders.	1954-1968, 1981
H.20	Bregestovsky, P. Arrangements for work at UCL and publications. Includes cv and recommendations. 2 folders.	1974-1991
H.21-H.22	Burke, W. Arrangements for work at UCL, career, publications and thesis. Includes recommendations. 2 folders.	1952-1969
H.23	Caldwell, P.C. Arrangements for work at UCL and funding. Includes recommendations.	1951-1964
H.24-H.25	Castillo, J. Arrangements for work at UCL, visits and meetings, research and personal news. 2 folders.	1952-1976 /...

Correspondence, H.1-H.359

- /... For research work with Castillo see C.93-C.146. For publications see D.16-D.45 & D.53-D.59.
- H.26 Caygill, C. 1968-1969
Arrangements for work at UCL.
- H.27 Chapman, R.A. 1963-1977
Arrangements for work at UCL and funding. Includes recommendations.
- H.28 Claude, P. 1967-1968
Arrangements for work at UCL and funding.
- H.29 Coles, J.A. 1968-1975
Arrangements for work at UCL, funding and visits. Includes recommendations and progress reports.
- H.30 Colomo, F. 1966-1973
Funding, research and publications.
- H.31 Cone, R.A. 1969-1970
Enquiry for work at UCL.
- H.32 Cooke, I. 1961-1969
Arrangements for work at UCL and funding. Includes recommendations.
- H.33 Cosmos, E. 1958-1960
Arrangements for work at UCL and funding. Includes recommendations.

Correspondence, H.1-H.359

H.34-H.35	Couteaux, R.	1957-1972
	Arrangements for work at UCL, research, visits and conferences.	
	The letters from Couteaux are in French, with replies from Katz in English.	
	For later correspondence with Couteaux see H.171.	
H.36	Cox, R.A.	1959
	Enquiry for work at UCL.	
H.37	Creese, R.	1961-1968
	Career. Includes recommendations.	
H.38	Crossland, J.A.	1964
	Enquiry for work at UCL and funding.	
H.39	Dennis, M.J.	1969-1976
	Funding and publications. Includes recommendations.	
H.40	Desmedt, J.E.	1962
	Invitation to a function for F Bremer.	
H.41	Dodge, F.A.	1965-1967
	Enquiry and arrangements for work at UCL and publications. Includes cv.	
H.42	Downing, A.C.	1952-1963
	Arrangements for work at UCL	

Correspondence, H.1-H.359

H.43	Durbin, R.P.	1957-1960
	Arrangements for work at UCL and funding. Includes recommendations.	
H.44	Edelman, I.S.	1964-1966
	Arrangements for work at UCL.	
H.45	Edwards, C.	1952-1963
	Arrangements for work at UCL, funding, career, publications and research news.	
H.46-H.47	Eisenberg, B.	1961-1974
	Visits, publications and career. Includes recommendations.	
	2 folders.	
H.48-H.49	Elul, R.	1964-1972
	Arrangements for work at UCL, funding, visits, research and publications.	
	2 folders.	
H.50	Erulkar, S.D.	1967-1972
	Arrangements for work at UCL and career.	
H.51	Ettienne, E.M.	1969
	Enquiry for work at UCL.	

Correspondence, H.1-H.359

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| H.52 | Feng, T.P.
Visits.
For later correspondence with Feng see H.179. | 1963-1964 |
| H.53 | Forrester, T.
Enquiry and arrangements for work at UCL. Includes recommendations and cv. | 1968-1976 |
| H.54-H.55 | Furshpan, E.J.
Arrangements for work at UCL, funding and career. Includes recommendations.
2 folders. | 1955-1967 |
| H.56-H.57 | Gage, P.W.
Katz was Gage's PhD examiner.
Publications. Includes recommendations and cv.
2 folders. | 1975-1989 |
| H.58 | Garlid, K.D.
Enquiry for work at UCL. | 1960 |
| H.59 | Ginsburg, S.
Enquiry for work at UCL. | 1968-1969 |
| H.60 | Glover, V.A.S.
Arrangements for work at UCL, funding and career. Includes recommendations, thesis report and cv. | 1964-1975 |

Correspondence, H.1-H.359

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|------|---|-----------|
| H.61 | Goldsmith, T. | 1960-1967 |
| | Arrangements for work at UCL and publications. Includes recommendations. | |
| H.62 | Gordon, A.M. | 1959 |
| | Enquiry for work at UCL. | |
| H.63 | Green, D.P.L. | 1969-1974 |
| | Arrangements for work at UCL. Includes recommendations and cv. | |
| H.64 | Grinnell, A.D. | 1961-1971 |
| | Arrangements for work at UCL. Includes recommendations. | |
| H.65 | Gunderson, C.B. | 1984-1988 |
| | Recommendations and cv. | |
| H.66 | Hammerschlag, R. | 1966-1969 |
| | Funding. | |
| H.67 | Harris, A.J. | 1963-1971 |
| | Arrangements for work at UCL and career. Includes progress reports and recommendations. | |
| H.68 | Harvey, A.L. | 1981-1985 |
| | Recommendations. | |

Correspondence, H.1-H.359

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|-----------|---|-----------|
| H.69 | Heuser, J.E. | 1972-1973 |
| | Recommendations. | |
| | For later correspondence with Heuser see H.189. | |
| H.70 | Hider, R. | 1966-1967 |
| | Enquiry for work at UCL. | |
| H.71-H.72 | Hinke, J.A. | 1957-1967 |
| | Funding, publications and arrangements for colleagues to work at UCL. | |
| | 2 folders. | |
| H.73 | Holman, M. | 1969-1971 |
| | Arrangements for work at UCL. Includes recommendations and cv. | |
| H.74-H.75 | Hubbard, J.I. | 1961-1967 |
| | Publications, research and funding. Includes recommendations. | |
| | 2 folders. | |
| H.76 | Hunt, C.C. | 1961-1966 |
| | Arrangements for work at UCL, research and publications. | |
| H.77 | Huxley, H.E. | 1955-1977 |
| | Career and research. Includes recommendations. | |

Correspondence, H.1-H.359

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|------|---|-----------|
| H.78 | Jenden, D.R. | 1960-1964 |
| | Arrangements for work at UCL, publications and career.
Includes recommendations. | |
| H.79 | Jenkinson, D.H. | 1955-1961 |
| | Arrangements for work at UCL and funding. | |
| H.80 | Jones, G.J. | 1968-1971 |
| | Funding. Includes progress reports. | |
| H.81 | Keenan, M.J. | 1962-1964 |
| | Recommendations and progress reports. | |
| H.82 | Levine, L. | 1959-1966 |
| | Arrangements for work at UCL, publications and funding.
Includes cv. | |
| H.83 | Lømo, T. | 1969-1974 |
| | Research, funding and publications. | |
| H.84 | Luft, J. | 1958-1970 |
| | Arrangements for work at UCL and research. Includes
recommendations. | |
| H.85 | Lüttgau, H.C. | 1956 |
| | Arrangements for work at UCL.

For later correspondence with Lüttgau see H.206. | |

Correspondence, H.1-H.359

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|-----------|---|-------------------------|
| H.86-H.87 | McBurney, R.N. | 1973-1987 |
| | Publications. Includes recommendations and thesis report. | |
| | 2 folders. | |
| H.88-H.89 | McIntyre, A.K. | 1960-1971,
1977-1992 |
| | Visits and meetings, personal news and recollections of time in the RAAF. Includes recommendations. | |
| | 2 folders. | |
| H.90 | McLennan, H. | 1952-1954 |
| | Arrangements for work at UCL and funding. | |
| H.91 | Machne, X. | 1950-1954 |
| | Arrangements for work at UCL, funding and publications. Includes recommendations. | |
| | For research material with Machne see C.73-C.79. | |
| H.92 | Maizels, M. | 1963-1971 |
| | Arrangements for work at UCL, career and funding. Includes cv. | |
| H.93 | Mambrini, J. | 1962-1963 |
| | Visits to UCL. | |
| H.94-H.95 | Martin, A.R. | 1952-1974 |
| | Meetings, publications, research and funding. Includes recommendations. | |
| | 2 folders. | |
| | For later correspondence with Martin see H.207. | |

Correspondence, H.1-H.359

H.96	Michael, C.R. Enquiry for work at UCL.	1960
H.97	Miller, D. Arrangements for work at UCL. Includes cv.	1962-1963
H.98	Molenaar, P.C. Publications and career. Includes recommendations.	1985-1988
H.99	Molinoff, P.B. Visits and funding.	1969-1975
H.100	Moskalenko, Y.E. Arrangements for visits and work at UCL under the Royal Society Soviet Workers scheme.	1963-1964
H.101	Musick, J. Arrangements for work at UCL and visits. Includes recommendations.	1972-1974
H.102	Nelson, P.G. Arrangements for work at UCL, career and publications. Includes recommendations.	1960-1965
H.103	Nesterov, V. Correspondence with EM Kreps re visit of Nesterov	1967

Correspondence, H.1-H.359

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|-------------|--|-----------|
| H.104 | Nicholls, J. | 1952-1973 |
| | Publications and funding. Includes recommendations. | |
| H.104A | Ochs, S. | 1962-1972 |
| | Ochs worked in Katz's department following Katz's criticism of a paper by Ochs (see C.175-C.180). | |
| | Arrangements to work at UCL and publications. | |
| H.105 | O'Hara, K.A. | 1969 |
| | Arrangements for work at UCL and career. Includes recommendations. | |
| H.106 | Orkand, R.K. | 1960-1971 |
| | Arrangements for work at UCL, research and career. Includes recommendations and cv. | |
| H.107 | Parkinson, J.L. | 1950-1967 |
| | Arrangements for work at UCL, career and retirement of Parkinson. | |
| H.108 | Potter, D. | 1955-1978 |
| | Arrangements for work at UCL and visits. | |
| H.109-H.110 | Potter, L.T. | 1965-1976 |
| | Arrangements for work at UCL, funding, career and publications. Includes recommendations, progress reports and cv. | |
| | 2 folders. | |

Correspondence, H.1-H.359

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|-------|---|-----------|
| H.111 | Prince, D.

Enquiry for work at UCL. | 1969-1970 |
| H.112 | Purves, D.

Arrangements for work at UCL. Includes recommendations and cv.

For later correspondence with Purves see H.220. | 1970-1976 |
| H.113 | Racine, L.

Arrangements for work at UCL. Includes recommendations and cv. | 1960-1961 |
| H.114 | Rall, W.

Arrangements for work at UCL. Includes recommendations and thesis report. | 1953-1956 |
| H.115 | Rand, R.P.

Arrangements for work at UCL. Includes recommendations. Also correspondence with Rand's supervisor J Hart. | 1959 |
| H.116 | Rang, H.P.

Arrangements for work at UCL and Royal Society matters. | 1974-1986 |
| H.117 | Reger, J.F.

Arrangements for work at UCL, publications and research. | 1960-1963 |
| H.118 | Rhodus, J.

Arrangements for work at UCL. | 1962 |

Correspondence, H.1-H.359

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|-------------|--|-------------------------|
| H.119 | Robertson, D. | 1954-1955 |
| | Arrangements for work at UCL and publications. | |
| H.120 | Rosenthal, J. | 1967-1970 |
| | Arrangements for work at UCL and funding. | |
| H.121 | Rouiller, G. | 1962 |
| | Arrangements for work at UCL. Includes recommendations. | |
| H.122 | Schmidt, H. | 1968-1970 |
| | Arrangements for work at UCL and publications. Includes progress reports. | |
| H.123 | Shapovalov, A.S. | 1965 |
| | Correspondence with EM Kreps <i>re</i> visit of Shapovalov. | |
| H.124 | Shealy, C.N. | 1960 |
| | Enquiry from Shealy's supervisor (E Hennemann) for work at UCL. | |
| H.125 | Sjödín, R.A. | 1958 |
| | Arrangements for work at UCL and funding. | |
| H.126-H.128 | Slater, C. | 1961-1967,
1978-1995 |
| | Arrangements for work at UCL, funding, research and publications. Includes recommendations and progress reports. | |
| | 3 folders. | |

Correspondence, H.1-H.359

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|-------|---|-----------|
| H.129 | Smith, R.S. | 1965 |
| | Arrangements for work at UCL. Includes recommendations. | |
| H.130 | Sperelakis, N. | 1964-1967 |
| | Arrangements for work at UCL and publications. Includes recommendations. | |
| H.131 | Spitzer, N.C. | 1965-1976 |
| | Arrangements for work at UCL, funding and publications. Includes recommendations. | |
| H.132 | Stefani, E. | 1968-1992 |
| | Funding. Includes recommendations and cv. | |
| H.133 | Steinbach, A. | 1967-1972 |
| | Arrangements for work at UCL and research. Includes cv. | |
| H.134 | Sten-Knudsen, O. | 1952-1960 |
| | Career, publications and research. | |
| H.135 | Stjärne, L. | 1981-1982 |
| | Publications. Includes recommendations. | |
| H.136 | Ström, G. | 1951-1952 |
| | Publications, visits and personal news. | |

Correspondence, H.1-H.359

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|-------------|---|-------------------------|
| H.137 | Talbot, M.S.

Arrangements for work at UCL and funding. | 1967-1970 |
| H.138-H.139 | Thesleff, S.

Arrangements for work at UCL, research, publications and visits.

2 folders.

For later correspondence with Thesleff see H.247. For research see C.147-C.174. For publications see D.48-D.52. | 1955-1971 |
| H.140-H.141 | Thies, R.

Arrangements for work at UCL, visits, publications and career. Includes recommendations.

2 folders. | 1963-1971 |
| H.142 | Thomas, R.C.

Arrangements for work at UCL, funding and visits. Includes recommendations. | 1965-1977,
1985-1986 |
| H.143 | Turkanis, S.

Arrangements for work at UCL and publications. Includes recommendations and cv. | 1967-1975 |
| H.144 | Villett, R.H.

Arrangements for work at UCL and research. Includes recommendations. | 1964 |
| H.145 | Waterman, T.H.

Enquiry for work at UCL. | 1962-1963 |

Correspondence, H.1-H.359

H.146	Watkins, J.C. Enquiry for work at UCL and funding.	1964-1965
H.147	Werman, R. Enquiry for work at UCL from Werman's supervisor H Grundfest.	1959
H.148	Whittaker, V.P. Recommendations.	1986
H.149	Wray, D. Publications. Includes recommendations and cv.	1979-1987
H.150	Zelena, J. Publications.	1966-1967
H.151	Zucker, R. Career, research and personal news.	1970-1975
H.152-H.153	'Research Students' Contents of a folder so inscribed. Enquiries for research work at UCL. Includes recommendations. 2 folders.	1952-1955
H.153A	Enquiries Enquiries for PhD and post-doctoral positions at UCL.	1975-1978

Correspondence, H.1-H.359

H.154-H.258	COLLEAGUES AND ORGANISATIONS	1950-2003
	The existing alphabetical arrangement has been retained.	
H.154	Adams, D.	1983
	Publications. Includes recommendations.	
H.155	Adams, P.R.	1976-1991
	Publications and career. Includes recommendations.	
H.156	Adrian, R.H.	1978-1982
	Thesis reports.	
H.157-H.159	Albuquerque, E.X.	1978-1994
	Publications, research, visits and meetings. Includes recommendations.	
	3 folders.	
H.160	BBC	1969-1970
	Arrangements for filming of a tv programme in Katz's department.	
H.161-H.163	Bachmann, R	1980-2003
	Personal news. Mostly in German.	
	3 folders.	
H.164	Bernhard, C.G.	1983-1999
	Biographical publications and personal news.	

Correspondence, H.1-H.359

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|-------|--|-----------|
| H.165 | Betz, W.J. | 1993-1997 |
| | Publications, research and personal news. | |
| H.166 | Biscoe, T.J. | 1990-1994 |
| | The folder is inscribed 'See also Paintal folder' (H.219). | |
| | Personal and family news, career and biographical material. Includes recommendations. | |
| H.167 | Bishop, P.O. | 1954 |
| | Recommendations. | |
| H.168 | Böhlke, R | 1993-1996 |
| | Correspondence from Böhlke claiming to name Katz as his heir. (Appears to be a scam as the letter was also sent to other Nobel laureates). | |
| H.169 | Changeux, J.P. | 1999-2000 |
| | Offprints sent to Katz by Changeux, signed by Changeux. | |
| H.170 | Colquhoun, D. | 1977-1989 |
| | Research. Includes recommendations. | |
| H.171 | Couteaux, R. | 1989-2000 |
| | Personal news and correspondence on topics including Couteaux's 80th birthday and his death in 1999. | |
| | For earlier correspondence with Couteaux see H.34-H.35. | |

Correspondence, H.1-H.359

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|--------------|---|----------------------------------|
| H.172 | Denton, E.J. | 1974 |
| | Arrangements for research visit by Katz to the Marine Biological Association in Plymouth. | |
| H.173 | Dunant, Y. | 1995 |
| | Publications. | |
| H.174-H.176B | Eccles, J.C. | 1950-1951,
1955-1997,
2001 |
| | Proposals for a Chair and Biophysics department at the Australian National University, Canberra. Also visits and symposia, research news, career and obituary cutting. Also later correspondence <i>re</i> article on his work and scientific legacy. Includes recommendations. | |
| | 5 folders. | |
| H.177 | Edwards, F. | 1996 |
| | Teaching. | |
| H.178 | Fatt, P. | 1989 |
| | Article for UCL newsletter on Fatt's retirement. | |
| | For research with Fatt see C.47-C.92. For publications see D.13-D.14. | |
| H.179 | Feng, T.P. | 1992-1995 |
| | Personal news, photographs, publications and obituaries following Feng's death in 1995. | |
| | For earlier correspondence with Feng see H.52. | |

Correspondence, H.1-H.359

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|-------------|--|-----------|
| H.180-H.181 | Frieß, P. | 1994-1995 |
| | Publications including German translation of Katz's autobiography. Mostly in English but some items are in German. | |
| | 2 folders. | |
| H.182 | Gemne, G. | 1969-1971 |
| | Thesis reports. Also correspondence with CG Bernhard (Gemne's supervisor). | |
| H.183-H.184 | Ginsborg, B.L. | 1951-1982 |
| | Biographical information, funding, offprints and career. Includes recommendations. | |
| | 2 folders. | |
| H.185 | Glass, L. | 1989-1995 |
| | Personal news. In German. | |
| H.186 | Glees, P. | 1961 |
| | Publications. | |
| H.187 | Guinan, J. | 1977 |
| | Publications and research. | |
| H.188 | Hebrew University of Jerusalem | 1964-1975 |
| | University news, visits, enquiries for work in Katz's department. Includes recommendations. | |
| | For correspondence with the Friends of the Hebrew University of Jerusalem, see G.54-G.55. | |

Correspondence, H.1-H.359

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|-------|--|-----------------|
| H.189 | Heuser, J.E. | 1989-1995 |
| | Personal news, research, biographical publication on Katz. | |
| | For earlier correspondence with Heuser see H.69. | |
| H.190 | Hodgkin, A.L. | 1969, 1984-2000 |
| | Career, publications, personal news, arrangements for a memorial symposium. | |
| | For research with Hodgkin see C.1-C.3. For publications see D.5-D.12. | |
| H.191 | Howard, A.M. | 1975-1979 |
| | Research. | |
| H.192 | Huxley, A.F. | 1985-2001 |
| | Publications, personal news and research. | |
| H.193 | Jan, Y.N. and L.Y. | 1977 |
| | Publications and research. | |
| H.194 | Keynes, R.D. | 1967-1971, 1999 |
| | Publications, meetings and career. | |
| H.195 | Kolditz, W. | 1985-1987 |
| | Personal news and information on the König Albert Gymnasium (Katz's school in Leipzig). In German. | |

Correspondence, H.1-H.359

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| H.196-H.198 | Kordaš, M. | 1963-1997 |
| | Arrangements for work at UCL, visits, research, funding, career, personal news and stamp collecting. | |
| | 3 folders. | |
| H.199-H.200 | Korn, H. | 1983-1992 |
| | Publications and research. | |
| | 2 folders. | |
| H.201 | Kriebel, M.E. | 1976 |
| | Publications. | |
| H.202 | Kuffler, E. | 1994 |
| | Biographical correspondence <i>re</i> SW Kuffler. | |
| | For Katz's biographical memoir of SW Kuffler see D.147-D.162. | |
| H.203 | Lamb, T.D. | 1990-1993 |
| | Career. Includes recommendations. | |
| H.204-H.205 | Liberman, E. | 1967-1985 |
| | Contents of a folder inscribed 'Liberman et al paper'. | |
| | Publications. | |
| | 2 folders. | |
| H.206 | Lüttgau, H.C. | 1998-2001 |
| | Publications and visits. | |
| | For earlier correspondence with Lüttgau see H.85. | |

Correspondence, H.1-H.359

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|-------------|--|-----------|
| H.207 | Martin, A.R. | 1993-1999 |
| | Publications and symposia. | |
| | For earlier correspondence with Martin see H.94-H.95. | |
| H.208 | Märtin, E. | 1986-1996 |
| | Contents of a folder inscribed 'E Martin, Leipzig'. | |
| | Personal news and press cuttings. Mostly in German. | |
| H.209-H.211 | Miledi, R. | 1981-1990 |
| | Contents of a folder inscribed 'R. Miledi I'. | |
| | Personal news, visits, research, career and publications. Includes recommendations. | |
| | 3 folders. | |
| | For research with Miledi see C.175-C.180. For publications see D.63-D.67, D.82, D.146. | |
| H.212-H.213 | Miledi, R. | 1992-2002 |
| | Contents of a folder inscribed 'R Miledi II'. | |
| | Publications, personal news, research, symposia and photographs. Includes recommendations. | |
| | 2 folders. | |
| H.214 | Moore, W.J. | 1966 |
| | Publications. | |
| H.215 | Nastuk, W.L. | 1952-1969 |
| | Publications and research. | |

Correspondence, H.1-H.359

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|-------------|---|-----------|
| H.216 | Neher, E. | 1980-1994 |
| | Publications and career. Includes recommendations. | |
| H.217-H.218 | Nicholls, J.G. | 1985-2001 |
| | Personal news, visits and publications. Includes recommendations. | |
| | 2 folders. | |
| H.219 | Paintal, A.S. | 1990-1992 |
| | The folder is inscribed 'see also Biscoe file' (H.166). | |
| | Publications, research and visits. Includes recommendations. | |
| H.220 | Purves, D. | 1991-2001 |
| | Personal news and visits. Includes recommendations sent to G Augustine. | |
| | For earlier correspondence with Purves see H.112. | |
| H.221-H.223 | Rahamimoff, R. | 1967-1992 |
| | Contents of a folder inscribed 'Rahamimoff I'. | |
| | Arrangements for work at UCL, personal news, career, publications and symposia. | |
| | 3 folders. | |
| H.224-H.225 | Rahamimoff, R. | 1993-2002 |
| | Contents of a folder inscribed 'Rami Rahamimoff II'. | |
| | Visits, meetings, symposia and lectures, personal news. Includes recommendations. | |
| | 2 folders. | |

Correspondence, H.1-H.359

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|-------------|---|-----------|
| H.226-H.227 | Rose, F. | 1987-2001 |
| | <p>Rose was a student at the König Albert Gymnasium in Leipzig, who later emigrated to Canada.</p> <p>Press cuttings <i>re</i> Leipzig, recollections of school, information on Canadian plaque honouring Jewish scientists including Katz.</p> <p>2 folders.</p> | |
| H.228-H.230 | Sakmann, B. | 1970-1991 |
| | <p>Contents of a folder inscribed 'B Sakmann I'.</p> <p>Arrangements for work at UCL, publications, visits, symposia and personal news. Includes recommendations.</p> <p>3 folders.</p> | |
| H.231-H.233 | Sakmann, B. | 1992-1997 |
| | <p>Contents of a folder inscribed 'Bert Sakmann 2'.</p> <p>Visits, lectures, publications and personal news. Includes recommendations.</p> <p>3 folders.</p> | |
| H.234-H.235 | Sakmann, B. | 1997-2002 |
| | <p>Contents of a folder inscribed 'Bert Sakmann 3'.</p> <p>Publications, lectures and personal news.</p> <p>2 folders.</p> | |
| H.236 | Sankyo Ltd | 1965-1968 |
| | <p>Correspondence with the Sankyo Company Ltd (Tokyo) <i>re</i> orders of tetrodotoxin for use in Katz's department.</p> | |

Correspondence, H.1-H.359

H.237	Schachter, M. Publications.	1985-1990
H.238-H.240	Schurath, W. Personal news. Mostly in German. 3 folders.	1984-2001
H.241	Sieghart, P. Contents of a folder inscribed 'Paul Sieghart - Social responsibility of the scientist'. Proposals by Sieghart for creating a 'Science and Society Council'.	1972
H.242	Stanley, E.F. Publications.	1995-1996
H.243-H.245A	Stazione Zoologica, Naples Katz and Miledi undertook research on squid during August and September 1966 at the station based in Naples, Italy.	1966-1970
H.243	Correspondence Arrangements for use of the station, and transportation of equipment.	1966
H.244	Transportation paperwork Paperwork <i>re</i> transportation of scientific equipment to the station for a later research visit.	1970
H.245	Elloway & Co. correspondence Correspondence <i>re</i> alleged damage and overcharging for transportation of scientific equipment.	1966-1967

Correspondence, H.1-H.359

H.245A	Miledi correspondence Correspondence between R Miledi and Katz's secretary <i>re</i> publications and research news whilst working at the station.	1967
H.246	Stieve, B. Personal news. In German.	1985-1987
H.247	Thesleff, S. Symposia and publications. For earlier correspondence with Thesleff see H.138- H.139. For research see C.147-C.174. For publications see D.48-D.52.	1981-1995
H.248	Van der Kloot, W. Publications and research news.	1993-1994
H.249	Wald, G. Publications, research news, visits and lectures.	1964
H.250	Waser, P. Lectures.	1960
H.251	Wei, L.Y. Publications.	1966
H.252	Wiersma, C.A. Lectures and research.	1957-1967

Correspondence, H.1-H.359

H.253	Wiesel, E. Wiesel was founder of the 'Elie Wiesel Foundation for Humanity'. Conferences and lectures.	1987-1988
H.254	Wiesel, T. Visits and publications.	1981-1991
H.255	Wilkinson, R. Publications and research.	1992-1996
H.256	Woledge, R. Appointment of Katz's successor to the UCL Chair of Biophysics.	1992-1993
H.257	Zeki, S. Career. Includes recommendations.	1980-1995
H.258	Zumpe, W. Background information, recollections and biographical material <i>re</i> König Albert Gymnasium in Leipzig.	1992-2000
H.259-H.298	PERSONAL Contents of folders inscribed 'Personal', 'Personal & Scientific' and 'Personal & General'. Arranged chronologically.	1964-2002
H.259-H.261	Personal correspondence 1964-1974 Contents of an uninscribed folder.	1964-1974 /...

Correspondence, H.1-H.359

- /... Photographs, visits, awards, letters of congratulation, publications, postcards and career. Includes recommendations.
- Correspondents include JC Eccles, AL Hodgkin, R Rahamimoff, G Wald, H Dale.
- 3 folders.
- H.262-H.264 'Before 1981' 1975-1983
- Contents of a folder so inscribed.
- Research news, publications, visits, committee papers, meetings, lectures, career, stamp collecting, letters of congratulation for Katz's AV Hill memoir.
- Correspondents include JP Changeux, D Purves, TP Feng, D Nachmansohn, BN Veprintsev.
- 3 folders.
- H.265-H.267 'Personal correspondence file 1981-1984' 1980-1984
- Contents of a folder so inscribed.
- Publications, refereeing of papers, symposia and lecture invitations, personal news. Some items in German. Includes recommendations.
- Correspondents include D Purves, R Hahn, H Rang, H Grimm, J Diamond.
- 3 folders.
- H.268-H.272 Personal correspondence 1985-1987 1985-1987
- Contents of an unscribed folder.
- Invitations to lectures, refereeing of papers, publications, research enquiries. Includes recommendations.
- Correspondents include AF Huxley, R Hahn, J Diamond, JP Changeux, National Academy of Sciences, Wellcome Trust.
- 5 folders.

Correspondence, H.1-H.359

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|-------------|--|------------------|
| H.273-H.276 | <p>'Personal & general correspondence 1988-1989'</p> <p>Contents of a folder so inscribed.</p> <p>Visits, funding, invitations to lectures, symposia and luncheons (including luncheon with Margaret Thatcher), Nobel prize circulars, publications, committee papers, personal news. Includes recommendations.</p> <p>Correspondents include H Korn, PO Bishop, JP Changeux, HR Lüscher, LG Magazanik, T Takahashi, Wellcome Trust.</p> <p>4 folders.</p> | 1988-1989 |
| H.277-H.279 | <p>'Personal & general correspondence 1990-1991'</p> <p>Contents of a folder so inscribed.</p> <p>Career, symposia, publications, birthdays of colleagues, personal news. Includes recommendations.</p> <p>Correspondents include W Betz, R Hahn, OH Peterson, T Takahashi.</p> <p>3 folders.</p> | 1990-1991 |
| H.280-H.281 | <p>'Personal & scientific correspondence 1992'</p> <p>Contents of a folder so inscribed.</p> <p>Publications, symposia, Albertiners (fellow pupils of Katz's school in Leipzig). Includes recommendations.</p> <p>Correspondents include A Auerbach, E Kandel, T Takahashi, Leverhulme Trust, Wellcome Trust.</p> <p>2 folders.</p> | 1992 |
| H.282-H.284 | <p>'Personal & scientific correspondence 1993'</p> <p>Contents of a folder so inscribed.</p> <p>Publications, letters of thanks, meetings, visits, refereeing of papers. Includes recommendations.</p> | 1993

/... |

Correspondence, H.1-H.359

- /... Correspondents include JP Changeux, H Rotta, E Kandel, Wolfson Foundation.
3 folders.
- H.285 'Personal papers 1994' 1994
Contents of a folder so inscribed.
Invitations to symposia, dinners, celebrations and lectures, personal news and research news. Includes recommendations.
Correspondents include E Albuquerque, Y Dunant, E Kandel.
- H.286-H.287 'Personal & scientific correspondence 1995' 1995
Contents of a folder so inscribed.
Publications, invitations to lectures and conferences, refereeing of papers, personal news. Some items in German.
Correspondents include E Albuquerque, Y Dunant, M Israel, R Hahn, IZ Steinberg, DJ Adams, O Sten-Knudsen.
2 folders.
- H.288-H.289 'Personal & scientific correspondence 1996' 1996
Contents of a folder so inscribed.
Invitations to symposia and lectures, requests for biographical information, research, Leipzig, publications and personal news. Some items in German. Includes recommendations.
Correspondents include HG Zimmer, TE Allibone, J Ashmore, M Schachter, Royal Society.
2 folders.

Correspondence, H.1-H.359

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|-------------|---|------|
| H.290-H.291 | 'Personal & scientific correspondence 1997' | 1997 |
| | Contents of a folder so inscribed. | |
| | Publications, visits, invitations to symposia, photographs, personal news including Christmas and birthday cards. Some items in German. | |
| | Correspondents include L Voronin, AR Lieberman, Y Dunant, J Heuser, J Goldberg, H Rotta, T Regel. | |
| | 2 folders. | |
| H.292 | 'Personal & scientific correspondence 1998' | 1998 |
| | Contents of a folder so inscribed. | |
| | Publications, lectures, symposia, visits and personal news including birthday cards. | |
| | Correspondents include M Israel, J Diamond, J Heresson-Ringskog (UCL portrait artist), H Sugi, R Woledge. | |
| H.293 | 'Personal & scientific correspondence 1999' | 1999 |
| | Contents of a folder so inscribed. | |
| | Publications, circulars, invitations to symposia and lectures, personal news including the death of Katz's wife. | |
| | Correspondents include P Adams, J Heresson-Ringskog, G Hist. | |
| H.294-H.295 | 'Personal & scientific correspondence 2000' | 2000 |
| | Contents of a folder so inscribed. | |
| | Invitations to symposia and lectures, publications, Leipzig 'Albertiner' school alumni, Nobel prize circulars. Includes material <i>re</i> unveiling of a plaque in Katz's honour in Leipzig and correspondence with the Israeli Prime Minister's office. Includes recommendations. | |
| | Correspondents include T Regel, H Lüttgau, Paul Adams, W Tiefensee (Mayor of Leipzig), J Mössner, Israel Prime Minister's bureau. | |
| | 2 folders. | |

Correspondence, H.1-H.359

H.296-H.297	'Personal & scientific correspondence 2001-2003' Contents of a folder so inscribed. Invitations to symposia and lectures, publications, circulars from Royal Society and 'Albertiners' school alumni, personal news including birthday greetings. Correspondents include J Diamond, M Kriebel, O Sten-Knudsen, E Kandel. 2 folders.	2001-2002
H.298	'Personal correspondence after Sept. 2002' Contents of a folder so inscribed. Publications, meetings and personal news. Correspondents include C Slater, O Sten-Knudsen.	2002
H.299-H.331	GENERAL Arranged chronologically.	1945-1971
H.299-H.302	'Correspondence up to 1952' Contents of a folder so inscribed. Publications, research queries, invitations to symposia and lectures, refereeing of papers, letters of congratulation, leaving the RAAF in order to work at UCL. Includes recommendations and thesis reports. Correspondents include WDM Paton, HH Dale, M Swann, AL Hodgkin, W Nastuk, R Lorent de Nó, FS Russell. 4 folders.	1945-1952
H.303-H.308	'General correspondence 1952-1955' Contents of a folder so inscribed.	1952-1955 /...

Correspondence, H.1-H.359

- /... Publications, editorial board meetings, invitations to symposia, university meetings, visits, research queries, enquiries for work in Katz's department, naturalization papers. Includes recommendations.
- Correspondents include I Evans, GH Bell, AL Hodgkin, R Bachmann, PO Bishop, W Feldberg, J Magnes, A Fessard, JC Eccles, AK McIntyre, KF Bonhoeffer, Society for Visiting Scientists.
- 6 folders.
- H.309-H.310 'General correspondence 1956' 1956
- Contents of a folder so inscribed.
- Enquiries for work in Katz's department, invitations to symposia, publications, refereeing of papers. Includes thesis reports.
- Correspondents include A von Muralt, GH Bell, I Evans, AL Hodgkin, DM Easton.
- 2 folders.
- H.311-H.312 'General correspondence 1957' 1957
- Contents of a folder so inscribed.
- Enquiries for work in Katz's department, publications, refereeing of papers, circulars. Includes thesis reports.
- Correspondents include E Meeter, W Zander, R Lorente de Nó.
- 2 folders.
- H.313-H.315 'General correspondence 1958' 1958
- Contents of a folder so inscribed.
- Enquiries for work in Katz's department, refereeing of papers, publications, invitations to symposia and lectures. Includes recommendations. /...

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- /... Correspondents include H Grundfest, SW Kuffler, P Waser, PO Bishop, H Lüttgau, AL Hodgkin, R Miledi, PB Medawar.
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- H.316-H.317 'General correspondence 1959' 1959
Contents of a folder so inscribed.
Publications, enquiries for work in Katz's department, refereeing of papers, invitations to lectures, visits. Includes recommendations.
Correspondents include W Feldberg, PB Medawar, HA Krebs, DE Goldman, G Hoyle, J Rotblat, E De Robertis.
2 folders.
- H.318-H.320 'General correspondence 1960' 1960
Contents of a folder so inscribed.
Enquiries for work in Katz's department, publications, invitations to lectures. Includes recommendations.
Correspondents include P Waser, HH Dale, PB Medawar, H Grundfest, AK McIntyre, WL Bragg.
3 folders.
- H.321-H.323 'General correspondence 1961' 1961
Contents of a folder so inscribed.
Invitations to symposia and lectures, publications, enquiries for work in Katz's department, refereeing of papers, research queries. Includes recommendations.
Correspondents include E Gutmann, C Wiersma, TP Feng, PO Bishop, Y Katsuki, G Hoyle, TH Waterman, H Grundfest, E De Robertis.
3 folders.

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H.324-H.325	General correspondence 1962 Contents of an uninscribed folder. Enquiries for work in Katz's department, visits, research queries, publications and invitations to symposia. Correspondents include W Nastuk, AR Freeman, AR Martin, M Goffart. 2 folders.	1962
H.326-H.329	'1963/4' Contents of a folder so inscribed. Enquiries for work in Katz's department, visits, publications, circulars, arrangements for AL Hodgkin's 50th birthday. Includes thesis reports. Correspondents include VP Whittaker, JZ Young, S Wiedmann, AL Hodgkin, BS Dorai Raj, TP Feng, EJ Denton, W Feldberg. 4 folders.	1963-1964
H.330-H.331	'General i.e. personal letters in alphabetical order, old file, 1968'. Contents of a folder so inscribed. Mostly 1964-1968. Publications, personal news, invitations to lectures. Correspondents include CG Bernhard, R Couteaux, J del Castillo, R Lorente de Nó, Y Laporte. 2 folders.	1954, 1964-1968, 1971
H.332-H.344	SCIENTIFIC AND TECHNICAL Arranged chronologically.	1952-1978
H.332-H.335	'Scientific & Technical corresp. 1952-1956' Contents of a folder so inscribed.	1952-1956 /...

Correspondence, H.1-H.359

- /... Research queries and news, publications, refereeing of papers.
Correspondents include H Grundfest, PB Medawar, O Hutter, P Glees, G Eggleton, Y Katsuki.
4 folders.
- H.336-H.337 'Scientific & technical correspondence 1957-1966' 1957-1963
Contents of a folder so inscribed.
Publications and research queries.
Correspondents include I Boyd, G Hoyle, JC Jaeger, D Curtis, VP Whittaker.
2 folders.
- H.338-H.342 Scientific & technical correspondence 1970-1975 1970-1975
Contents of an unscribed folder.
Publications and research queries.
Correspondents include D Colquhoun, F Ito, E Landau, WDM Paton, E Albuquerque.
5 folders.
- H.343 'Scientific & Technical correspondence' 1976-1977
Contents of a folder so inscribed.
Publications and research queries.
Correspondents include JH Burn, MA Meyer, AL Hodgkin.
- H.344 'Personal papers/reprints: comments on etc.' 1956-1978
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Publications and research queries. /...

Correspondence, H.1-H.359

/...	Correspondents include LD Partridge, AS Shapovalov, S Thesleff, H Grundfest.	
H.345-H.359	REFERENCES AND REQUESTS	1964-1983
H.345	Jawaharlal Nehru Award for International Understanding Request for Katz to nominate individuals for the award.	1972-1973
H.346	Refereeing of MRC/SRC research grants Correspondence and circulars.	1964-1966
H.346A	Refereeing of MRC grants Correspondence and circulars.	1982
H.347-H.348	'References & requests 1972' Contents of a folder so inscribed. Personal news, research news, research queries, publications and recommendations. 2 folders.	1969-1975
H.349-H.353	'References and requests 1976-7' Contents of a folder so inscribed. Publications, thesis reports and recommendations. 5 folders.	1976-1977
H.354-H.359	'References & requests 1977-' Contents of a folder so inscribed.	1977-1983 /...

Correspondence, H.1-H.359

/...

Research queries, publications, refereeing of papers and recommendations.

6 folders.

SECTION J **NON-TEXTUAL MATERIAL, J.1-J.254** **1946-2000,**
n.d.

- J.1-J.134 GLASS PLATES
- J.135-J.236 RECORDING FILM
- J.237-J.247 SLIDES
- J.248-J.254 AUDIOVISUAL

J.1-J.134 **GLASS PLATES** **1946-1954**

134 boxes of plates, arranged chronologically.

J.1-J.10

1946

10 Ilford and Kodak boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Subthreshold potentials (x2), Local muscle reaction (x5), Intermittent stimuli, Rectus abdominus, DC rectification, DC pulse.

J.11-J.20

1947 (1)

10 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Sartorius checks, Circular muscle, 4 fibres, Sartorius membrane constants, Isolated muscle fibres, Muscle impedance *re* Cl & Ca and K₂SO₄, Potential & impedance *re* cocaine and K₂SO₄, CaCl & KCl, Carcinus, Sartorius ringer.

J.21-J.30

1947 (2)

10 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Ringer & phosphate, Sartorius and electrotonic potential, K₂SO₄ potential & impedance, Single fibres, External K & Ca (x2), K₂SO₄ impedance, Impedance changes. There are also two boxes with no titles.

J.31-J.38

1947 (3)

8 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Procaine, Ext. Dig. (x3), CaCl & KCl, Muscle impedance and K concentration, Sartorius electrotonic potential, Carcinus.

Non-Textual Material, J.1-J.254

- J.39-J.48 1948 (1)
- 10 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Spinal root stimulation, Sensory axon and isolated spindles (x3), Double-beam recording (x2), Effect of passive stretch (x2), Isotonic vs isometric. Also one box with an illegible title.
- J.49-J.56 1948 (2)
- 8 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Small responses, 'A&B' (x3), Sensory axon and isolated ending, Double beam recording, Muscle afferents. Also one box untitled.
- J.57-J.61 1948 (3)
- 5 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: 'Ext. Dig.' (x3), Small axon response, Root stimulus and recording.
- J.62-J.68 1949 (1)
- 7 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: RC amplifier double beam records, 'A&B', Sensory axon, Carcinus, New oscilloscope, Choline experiments. Also one box untitled.
- J.69-J.75 1949 (2)
- 7 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: On and off effect (x2), Effect of Na, External EPPs, Internal and external curarized and decurarized EPPs (x3).
- J.76-J.83 1950 (1)
- 8 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Endplate noise (x3), M&N at endplates and off endplates (x2), EPPs and Na, EPPs and Prostigmine (x2).

Non-Textual Material, J.1-J.254

- J.84-J.92 1950 (2)
- 9 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Internal stimulation and Ca, Fibre constants and ACh, External potentials and 20 Na EPPs, On and off endplates, TEA and Na, Prostigmine, Na concentrations (x3).
- J.93-J.100 1951 (1)
- 8 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Slopes and sucrose, Anodized endplates, Portunus muscle and effects of TEA, TMA, Lithium, TBA and NaCl withdrawal (x6).
- J.101-J.107 1951 (2)
- 7 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Effects of TEA, sucrose, Na, Ca and Mg (x4), Crab muscle and effects of sucrose and choline (x3).
- J.108-J.115 1952 (1)
- 8 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Effects of temperature and TBA on Portunus and Carcinus (x6), N-M Portunus, N-M distribution of EPPs.
- J.116-J.122 1952 (2)
- 7 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: Crab axon and effects of Choline, TEA and TBA, Carcinus flexor dantyl (x2), Hermit crab inhibition and impedance (x4).
- J.123-J.125 1953
- 3 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: M-N, M-N endplate interaction, Mg & Ca blocking.

Non-Textual Material, J.1-J.254

J.126-J.127	1954	
	2 Ilford boxes containing glass plates mostly showing results of experiments. The boxes are inscribed with contents as follows: N1 & N2, Prostigmine & Ca.	
J.128-J.132	Kodak plates	n.d.
	5 Kodak L-10 glass plates boxes, which are slightly smaller than the previous Ilford ones.	
	Undated and unidentified glass plates, mostly showing figures, graphs and results. Some are numbered on small labels in the bottom left corner, but they are out of sequence and appear incomplete.	
J.133	Photographs	n.d.
	Kodak photographic paper box containing photographs, probably showing microscopy images.	
J.134	Loose plates	n.d.
	3 loose glass plates showing figures, 4 loose unused glass plates, and one envelope containing photographic prints (possibly from the plates) <i>re</i> subthreshold potentials.	
J.135-J.236	RECORDING FILM	1951-1957
	102 tins of Ilford 35mm recording film, arranged chronologically.	
J.135-J.138	Pre-1953	1951-1952
	Tin containing Ilford recording film dated 1951, small Ilford lantern plate box containing recording film <i>re</i> frog choline dated 1952, Ilford selochrome box containing recording film of TBA and the effect of procaine dated 1952, and a small ilford recording paper box containing recording film of crab photomicrographs, n.d.	

Non-Textual Material, J.1-J.254

J.139-J.168	1953	
		30 metal tins of Ilford recording film. All are dated but only some are inscribed with contents as follows: nerve recording, fatigue, sartorius external, fatigue, short tetani, temperature, medull. Axon.
J.169-J.179	1954	
		11 metal tins of Ilford recording film. All are dated but only some are inscribed with contents as follows: Ach ionophoresis, Na effect on Ach, K ₂ SO ₄ , Curarine and K ₂ SO ₄ , Ach external & internal, K ₂ SO ₄ , Carbachol.
J.180-J.193	1955	
		14 metal tins of Ilford recording film. All are dated but only some are inscribed with contents as follows: External & internal recording, F&K, Vagus & Ach, Sarkell effect, Twin internal recording, Vagus sympathetic, Ach potentials.
J.194-J.213	1956 (1)	
		20 metal tins of Ilford recording film. All are dated but only four are inscribed with contents as follows: DTC (x2), Ach and procaine, Carb & Ach.
J.214-J.228	1956 (2)	
		15 metal tins of Ilford recording film. All are dated but only two are inscribed with contents as follows: HCl, Desensitization.
J.229-J.236	1957	
		8 metal tins of Ilford recording film. All are dated but only three are inscribed with contents as follows: Hypertonic, K ₂ SO ₄ , Tensilon.
J.237-J.247	SLIDES	n.d.
		11 small boxes and cases of slides.

Non-Textual Material, J.1-J.254

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| J.237 | Black plastic case | n.d. |
| | Black plastic German-made 'fogro' slide-holding case, containing slides showing figures, graphs, results. | |
| J.238 | Red plastic case | n.d. |
| | Red plastic German-made 'Fix fot' slide-holding case, containing slides showing figures, graphs and results. They are mostly numbered but not in sequence. | |
| J.239 | Wooden box | n.d. |
| | Wooden box marked 'Johnsons of Hendon' containing 39 slides showing figures, graphs and diagrams. | |
| J.240 | Blue ring binder | n.d. |
| | Blue plastic ring binder, containing 7 plastic sheets of slide holders. The slides show figures, graphs and results. Only a few are numbered. | |
| J.241 | Slides in 'Electronic valve' box | n.d. |
| | Cardboard box originally for an electronic valve, inscribed 'Negatives N&S' and containing 37 slides of figures, graphs and results, with accompanying list of slides. | |
| J.242 | Slides in 'Fujicolour' tray | n.d. |
| | Green and clear plastic fujicolour tray containing 16 slides showing figures and results. | |
| J.243 | Slides in blue tray | n.d. |
| | Blue and white plastic tray containing 14 slides showing figures, graphs and electron micrographs of cells. Most have small red dots on but are not numbered. | |

Non-Textual Material, J.1-J.254

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| J.244 | Slides in 'F&B' box | n.d. |
| | Green cardboard 'F&B slides' box containing 30 slides showing figures and results. Some of them are numbered on small yellow dots though are not in sequence and appear incomplete. | |
| J.245 | Slides in 'Gepe' box | n.d. |
| | Green and white cardboard 'Gepe slide binders' box containing 16 slides showing figures, results and circuit diagrams. | |
| J.246 | Slides in 'Recticolour' box | n.d. |
| | Cardboard 'recticolour' box containing colour slides showing the bust of AV Hill, displayed at UCL. | |
| J.247 | Slides in an envelope | n.d. |
| | Brown envelope inscribed 'Edson [Albuquerque]'s Slides' containing 14 slides showing figures, graphs and electron micrographs. | |
| J.248-J.254 | AUDIOVISUAL | 1965-2000,
n.d. |
| | Six VHS videos, one audio reel, one film reel and two chess-related items. | |
| J.248 | 'From Nerve to Vision' | 2000 |
| | Set of three VHS videos of 'From Nerve to Vision: A symposium honouring the legacy of Alan Hodgkin', including the Hodgkin-Huxley-Katz Prize lecture. | |
| J.249 | 'Silent Stars' | 1991 |
| | One VHS video titled 'Silent stars - An interview with Sir Bernhard Katz' for a German TV channel. For correspondence relating to this programme, see A.80. | |

Non-Textual Material, J.1-J.254

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|-------|---|------|
| J.250 | 'Japanese Interview' | 1992 |
| | One VHS video titled 'B. Katz Japanese interview Sept 1992'. | |
| | For related correspondence see A.10. | |
| J.251 | Japanese Video | n.d. |
| | One VHS video, titled in Japanese, translating as 'Professor Katz'. | |
| J.252 | Henry Dale Celebrations | 1965 |
| | One 8mm audio tape reel of Katz's lecture given as part of the Henry Dale celebrations. This appears to be the lecture given by Katz in E.8. | |
| J.253 | 'The Nobel Prize in Medicine 1970' | 1971 |
| | One 16mm film in metal case, 486 metres in length and still in plastic wrapping, from the Swedish Broadcasting Corporation and titled 'The Nobel Prize in Medicine 1970. A meeting with Julius Axelrod, Ulf von Euler and Bernhard Katz'. | |
| J.254 | Chess | n.d. |
| | Box containing Psion computer chess game. Also Xiang Qi ['Chinese chess'] box containing board and pieces. | |
| | Katz was a keen player of chess, both during his time in Leipzig and later against his computer, as illustrated in earlier correspondence with RAAF colleague AK MacIntyre (see H.88-H.89). | |

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