

Catalogue of the papers and correspondence of

Sir Alan Lloyd Hodgkin OM FRS

(1914 - 1998)

VOLUME 1

General introduction

Section A, Biographical

Section B, University of Cambridge

by Simon Coleman, Peter Harper and Timothy E. Powell

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CAMBRIDGE

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GENERAL INTRODUCTION

PROVENANCE

The papers were received from Trinity College Cambridge in June 2002.

OUTLINE OF THE CAREER OF SIR ALAN LLOYD HODGKIN

Alan Lloyd Hodgkin was born in Banbury, Oxfordshire, on 5 February 1914. His father, George Hodgkin, a Quaker, trained as a civil engineer before finding employment in a bank in Banbury. He died in Baghdad while engaged in relief work when Hodgkin was still an infant. Hodgkin's family background was notable for distinguished and varied intellectual achievement. His grandfather Thomas Hodgkin was a mediaeval historian; his great uncle (also called Thomas) was the physician and anatomist who gave his name to Hodgkin's Disease; and his great-great grandfather was the pioneer meteorologist Luke Howard. A cousin (through marriage) was the crystallographer and 1964 Nobel laureate for Chemistry, Dorothy Hodgkin.

During his boyhood Hodgkin developed a strong interest in ornithology, undertaking detailed studies of bird behaviour during stays with various relatives around the country. After attending the Downs School, Colwall, Herefordshire and Gresham's School, Holt, Norfolk, he won a scholarship to Trinity College Cambridge in 1932 to study for the Natural Sciences Tripos. After opting for physiology in Part II he obtained a First Class. He started research on the excitation of nerve in his final undergraduate year and was elected to a Junior Research Fellowship at Trinity College in 1936 – the earliest opportunity for election. Hodgkin's postgraduate work, following a suggestion from E.D. (later lord) Adrian, centred on experiments with crab nerve fibre and resulted in the first direct observation of a 'local response' to an electrical shock. This observation challenged the widely-accepted 'all-or-none' theory of response developed by K. Lucas.

After being awarded a travelling fellowship from the Rockefeller Foundation in 1937, Hodgkin spent a year at the Rockefeller Institute in New York and the Marine Biological Laboratory, Woods Hole, Massachusetts, where he met K.S. Cole and H.J. Curtis. While at Woods Hole, he gained first-hand experience of Cole and Curtis's measurements of membrane conductivity using the giant nerve fibres of squid. This short period had a profound influence on the course of Hodgkin's scientific career. He began his own experiments on squid in the summer of 1939 at the laboratory of the Marine Biological Association, Plymouth, working for the first time with A.F. Huxley. However, this work was soon interrupted by the outbreak of World War Two.

On the outbreak of war Hodgkin volunteered to work on aviation medicine at the Royal Aircraft Establishment, Farnborough before being transferred to the Telecommunications Research Establishment in February 1940. At the TRE he assisted in the successful development of centimetric airborne radar for aircraft interception before working on ways of using radar to defend British night bombers. He was also posted to the British Air Commission and spent three months in the USA in early 1944 exchanging information on radar work.

In 1946 Hodgkin and Huxley resumed their research on the nerve impulse using squid, initially attempting to understand the questions regarding the movement of sodium and potassium ions across resting and excited membranes. The experimental work was carried out during the summer seasons at the MBA, Plymouth. The 1948 season saw the introduction of Hodgkin's 'voltage clamp' equipment and the results obtained with it the following year eventually resulted in the publication of five papers in 1952. The work represented an enormous advance in the understanding of the ionic processes involved in the nervous impulse and was recognised by the award of the Nobel prize in Physiology or Medicine in 1963 jointly to Hodgkin, Huxley and J.C. Eccles (who worked independently of the former two). Anthony Tucker (*Guardian*, 21 December 1998) explained that Hodgkin and Huxley's work 'although seemingly isolated and remote, is fundamental to understanding not only the way our nervous system works, but in the study of the underlying biochemistry of diseases underlying neural malfunction'.

Hodgkin became Foulerton Research Professor of the Royal Society in 1952. He now moved on to study a range of problems of nerve membrane permeability, still using squid as the basis for his investigations. His work on muscle with P. Horowicz in the late 1950s, and later with R.H. Adrian and W.K. Chandler, added to the understanding of the mechanism by which electrical excitation of muscle is linked to its mechanical contraction. His interest in the physiology of vision began at Woods Hole in 1962 during a visit to the USA. Working with M.G.F. Fuortes, he studied the eye of the *Limulus* crab and recorded the electrical changes in an activated visual cell. From 1970, following his election to the John Humphrey Plummer Professorship of Biophysics, Hodgkin pursued research that could be carried out entirely in Cambridge. This focused on the physiology of vision, in particular in collaboration with D. Baylor of Stanford University. He retired from the chair in 1981.

In addition to the Nobel Prize, Hodgkin was accorded many honours for his work. He was elected a Fellow of the Royal Society in 1948, giving its Croonian Lecture in 1957 and Tercentenary Lecture in 1960 and receiving the Royal Medal (1958) and Copley Medal (1965). He was knighted in 1972 and appointed to the Order of Merit in 1973. Although first and foremost a dedicated research scientist, Hodgkin nevertheless served as President of the Marine Biological Association, 1966-1976, Chancellor of the University of Leicester, 1971-1984, President of the Royal Society, 1970-1975, and Master of Trinity College Cambridge, 1978-1984. During his Presidency he steered the Royal Society through a period of financial difficulties and changing relationships between the Government and scientific Research Councils.

In 1944 Hodgkin married Marion de Kay Rous, daughter of the American scientist, Peyton Rous, who received a Nobel Prize for his work on cancer. They had one son and three daughters. Hodgkin died in December 1998 after long illness.

For further information about Hodgkin see his autobiography, *Chance and Design: Reminiscences of Science in Peace and War*, Cambridge University Press, 1992, and the memoir by Andrew Huxley, 'Sir Alan Lloyd Hodgkin', *Biographical Memoirs of the Fellows of the Royal Society*, vol 46 (2000), 219-246, a copy of which is at A.3.

DESCRIPTION OF THE COLLECTION

The material in this collection is presented in the order given in the list of contents. It covers the period 1902-2000.

Section A, Biographical, presents varied and significant material, 1902-2000, with substantial coverage of Hodgkin's childhood and school years. There are childhood drawings, some showing his very early interest in ornithology, school reports, academic notes and essays, and ornithological notebooks, essays and photographs (1924-1932). Among the material from his undergraduate days are accounts of experiments done at The Freshwater Biological Association, Lake Windermere, May 1932, his first experience of research. The family correspondence chiefly consists of letters from Hodgkin (and later his family) to his mother, covering most years from 1923 to 1977, and there is also some of Hodgkin's correspondence with friends and colleagues. In addition, there are papers relating to various occasions and functions, biographical material on E.D. Adrian and W.A.H. Rushton, and photographs of Hodgkin (some featuring scientific colleagues and friends) dating from the 1920s to 1984.

Section B, University of Cambridge, chiefly comprises papers relating to the running of the Physiological Laboratory, with particular reference to Hodgkin's research group. The most significant documentation is of laboratory staff, principally scientific colleagues and research workers, covering professional matters and, in several cases, research and publications. There are also correspondence and papers concerning laboratory funding, the purchase of equipment and animals for use in research, and other matters. Hodgkin's teaching in the Department of Physiology is represented by lecture notes, course papers etc, while there is some material relating to Trinity College business, chiefly during his period as Master. A further group of papers reflects Hodgkin's involvement in the Council of the School of Biological Sciences and other committees for Biophysical Chemistry and Colloid Science.

Section C, Research, provides comprehensive documentation of Hodgkin's three main areas of physiological investigation: nerve, muscle and vision. A series of over a hundred notebooks in Hodgkin's hand (the hands of others, such as A.F. Huxley and B. Katz also appear) are divided into 'Experimental' and 'Theoretical and general', and cover the period 1934-1987. The 'Experimental' series begins with Hodgkin's first research on nerve - conduction blocking experiments in frog's nerve - carried out in his final undergraduate year. Two notebooks were used during his important year at the Rockefeller Institute and the Woods Hole laboratory (1937-1938). A number document Hodgkin and Huxley's experiments on squid (1939, 1946-1949), including some using the 'voltage clamp'. From the 1950s there is coverage of further work on nerve, experiments on muscle with P. Horowicz (late 1950s), and research on vision beginning with the *Limulus* experiments in 1962 (see 'Outline of career' above). The 'Theoretical and general' notebooks provide background theory to the three aforementioned topics and also include notes on general physiology. The bulk of the Research section comprises files which provide an enormous amount of experimental data and theory from all periods of Hodgkin's career and include the particular topics mentioned above. There is a significant amount of early research material (to 1939), particularly covering the conduction blocking and 'local response' experiments (the latter at Wood's Hole). The post-1939 files include a few papers relating to Hodgkin's wartime work at the TRE. The very long sequence of post-1960 files is largely on vision. There is very little correspondence: collaborators such as A.F. Huxley and M.G.F. Fuortes are represented, as is Sir John Eccles.

Section D, Drafts and publications, dates from c.1938 to 1988, though the earliest published paper in the section is from 1945. The material in this section is closely related to parts of Section C. A chronological sequence of drafts of published papers and unpublished drafts also includes much experimental data and calculations. There is unpublished material relating to Hodgkin and Huxley's first experiments on squid nerve fibre (1939) and drafts of their first paper (published in 1945) resulting from their 1939 work at Plymouth. Also documenting pre-war research are drafts of Hodgkin's 1946 paper with W.A.H. Rushton on crab and lobster nerve fibres. The steady stream of papers on Hodgkin and Huxley's critical work on the nerve impulse which appeared between 1947 and 1952 are partly represented: there are drafts of some of the papers accompanied by large quantities of experimental data, calculations and notes (in both Hodgkin and Huxley's hands), with some correspondence. Included are later notes (1957) which recollect some of their theoretical analysis and discuss the chronology of the 'sodium hypothesis' which they demonstrated by experiment in 1947. Hodgkin's work after 1952 on nerve, muscle and vision is well represented, in particular the publications on muscle with R.H. Adrian and W.K. Chandler, 1966-1972. There are notes, data and scientific correspondence found with the drafts. Also in this section are editorial correspondence and a set of off-prints.

Section E, Lectures and speeches, covers the period 1950 to 1987 and presents a chronological sequence of drafts of Hodgkin's lectures and speeches delivered at various scientific congresses and symposia, social functions and other occasions. Included are the 18th International Physiological

Congress, Copenhagen 1950; symposium on the neuron, Cold Spring Harbour, USA, 1952; the Royal Society Croonian Lecture, 1957; the Royal Society Tercentenary Lecture, 1960; Sherrington Lectures, University of Liverpool, 1961; Nobel Lecture, Stockholm, 1963; and Royal Society Anniversary Addresses, 1970, 1973-1975. Included also are speeches made by Hodgkin as Chancellor of the University of Leicester; for various functions during his Mastership of Trinity College Cambridge; at occasions in connection with his Presidency of the Royal Society; and memorial speeches.

Section F, Visits and conferences, covers the period 1961-1998, and presents material chiefly relating to foreign visits to attend scientific congresses or as a representative of the Royal Society (some are during his Presidency). Included are the following visits: 22nd and 26th International Congresses of Physiological Sciences, Leiden, Netherlands, 1962, and New Delhi, India, 1974; to the Soviet Union and China in connection with scientific exchanges, 1967 and 1972; to Kenya chiefly to view the work of the International Centre for Insect Physiology and Ecology, 1975; to Iran concerning the Imperial Academy of Sciences of Iran, 1976; and to the USA on several occasions, such as the Rockefeller University, New York, to give the first Hester Adrian Memorial Lecture, 1968, and to the Harvard Medical School, Boston, as Dunham Lecturer, 1976.

Section G, Societies and organisations, has a substantial group of correspondence and papers covering Hodgkin's long involvement with the Marine Biological Association of the United Kingdom. There is correspondence with successive Directors of the MBA's Plymouth laboratory, 1959-1984, as well as some scientific correspondence. The Royal Society material is also significant, covering a variety of business during the period of Hodgkin's Presidency (1970-1975) and including correspondence relating to the drafting of his Anniversary Address as incoming President and further correspondence concerning his 1975 Kenya visit (see Section F above). Also represented are The Medical Research Council, the Nuffield Foundation and the Physiological Society.

Section H, Correspondence, spans the years 1945 to 1990 and chiefly comprises four sequences of scientific and general correspondence with colleagues, 1945-1969. Among the correspondents are E.D. Adrian, K.S. Cole, J.C. Eccles, P. Fatt, P. Horowicz, B. Katz, R.D. Keynes, W.L. Nastuk, M.F. Perutz, P. Rous and R. Stampfli. There is also a small amount of miscellaneous correspondence.

Section J, Non-textual material, chiefly consists of a major series of photographic films from research, 1937-1963. There are also photographic slides from lectures, photographic prints and a few outsize items, chiefly mounted figures for published papers.

There is also an index of correspondence.

Simon Coleman
Bath, February 2005

SECTION A	BIOGRAPHICAL-A.1-A.202	1902-2000
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A.1-A.38	BIOGRAPHICAL AND AUTOBIOGRAPHICAL
A.39-A.69	EDUCATION
A.70-A.103	CAREER, HONOURS AND AWARDS
A.104-A.168	FAMILY
A.169-A.173	PERSONAL CORRESPONDENCE
A.174-A.187	OCCASIONS AND FUNCTIONS
A.188-A.193	COLLEAGUES
A.194-A.202	PHOTOGRAPHS

A.1-A.38	BIOGRAPHICAL AND AUTOBIOGRAPHICAL	1914-2000
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A.1-A.3	Obituaries, memorials and tributes	1998-2000
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A.1	Obituaries	1998
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The Times, 21 December 1998.

Daily Telegraph, 21 December 1998.

Guardian, by Anthony Tucker, 21 December 1998.

A.2	Obituary	1999
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The Independent, by Andrew Huxley, 4 January 1999.

A.3	'Sir Alan Lloyd Hodgkin' by Andrew Huxley, <i>Biographical Memoirs of the Fellows of the Royal Society</i> , vol 46 (2000), 219-246	2000
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Copy of memoir.

Biographical

A.4-A.5	Curricula vitae and list of publications	c.1975-1988
A.4	Curricula vitae	c.1975, 1988
A.5	Publications list	1987
A.6-A.18	Autobiographical information	1963-1988
A.6	'Sir Alan L. Hodgkin', <i>The History of Neuroscience in Autobiography</i> , vol 1, Society for Neuroscience 1996, pp 252-292 Autobiographical account by Hodgkin.	1996
A.7	'Chance and design in electrophysiology: an informal account of certain experiments on nerve carried out between 1934 and 1952', in eds Hodgkin et al, <i>The Pursuit of Nature</i> , Cambridge University Press, 1977, pp1-21.	1977
A.8	Entries for <i>Who's Who</i>	1965-1988
A.9	Entries for <i>Who's Who in America</i> and <i>Who's Who in the World</i>	1965-1985
A.10	Entries for <i>Who's Who of British Scientists</i> Also includes entries in similar directories.	1968-1980
A.11	Entries for miscellaneous biographical directories and learned societies' membership records	1964-1986

Biographical

A.12	Hodgkin's manuscript autobiographical account to c.1938. 21pp. Found in envelope inscribed '1983'.	Nd
A.13	Short biographical account for <i>Men of Science</i> ; correspondence <i>re</i> revision for European edition of <i>Modern Men of Science</i>	Nd, 1972-1973
A.14	Interview with Hodgkin by David Fishlock, <i>Financial Times</i> , 29 November 1974 Photocopy.	1974
A.15-A.17	Biographical interviews with Hodgkin by R.G. Frank, 1978-1981	1981
A.15	Photocopy typescript notes of interviews 15 December 1978 and 2 January 1979	
A.16	Letters from Frank; typescript questionnaire, with Hodgkin's replies	
A.17	Book outline; background material	
A.18	Miscellaneous requests for information, views, photographs etc, for publication	1963-1976
A.19-A.22	Hodgkin's 'Personal' File Includes University correspondence (leave etc), finances, donations to good causes, etc.	1936-1981

Biographical

A.19	1936, 1938	
	Licenses for animal experiments.	
A.20	1963-1970	
	Includes letter of thanks for service on Medical Research Council 1963, fiftieth birthday 1964, and nomination as PRS 1970.	
A.21	1971-1976	
A.22	1977-1981	
A.23	Newspaper cuttings	1970-1992
	Much of the material relates to the Mastership of Trinity College, 1984. See B.343-B.349 for related material.	
A.24-A.29	Requests for autographs	1963-1986
	Mostly answered by Hodgkin.	
	6 folders.	
A.30-A.38	Childhood memorabilia	1914-1923
A.30	'Bag of good omens'	1914
	A manuscript note accompanying the bag explains: 'This bag is given to Alan Lloyd Hodgkin Mar 18th 1914 at Wyddrington by his great grandmother Catharine Wilson according to an old Kendal custom to give a baby on its first visit a bag of good omens'. The bag contained a bun, an egg, a sixpence and salt. Only the sixpence survives.	

Biographical

A.31	<p>'A birth guinea'</p> <p>The money is in a small envelope inscribed as follows:</p> <p>'A birth guinea from Great Grandmother Catharine Wilson. CW's grandmother Lloyd always presented her grandchildren with a guinea now there are none, a shilling + a sovereign serve'.</p>	1914
A.32	<p>Locks of Hodgkin's hair</p> <p>Three locks, in envelopes dated June 1915, July 1915, January 1916.</p> <p>Also includes tiny card from an unidentified aunt in similar format envelope.</p>	1915-1916
A.33	<p>Pictures made from coloured thread on card</p> <p>Five examples, one in envelope inscribed 'Father from ALH Xmas 1917 My Dear son'</p>	1917
A.34	<p>'The Magic Doll's House'</p> <p>Children's book inscribed on first page 'For our Alan, age four. 5 Feb 1918 with love from Father & Mother'.</p>	1918
A.35-A.37	<p>Paintings and drawings</p> <p>Some dated on verso.</p> <p>3 folders.</p> <p>Many of these pictures are of birds, showing Hodgkin's very early interest in ornithology.</p>	1917-1923
A.38	<p>Early examples of Hodgkin's writing</p>	1920, 1922

Biographical

A.39-A.69	EDUCATION	1919-1936
A.39	Kindergarten and Preparatory School School reports.	1919-1922
A.40-A.41	Downs School, Colwall, Herefordshire School reports. 2 folders. Hodgkin was a pupil at Downs School 1923-1927. The Headmaster was a cousin of his mother. For letters home in this period see A.106-A.111. For material relating to Hodgkin's ornithological observations and photography in this period see A.62-A.64.	1923-1927
A.42-A.50	Gresham's School, Holt, Norfolk Hodgkin was a pupil at Gresham's School 1927-1931. For letters home in this period see A.111-A.121. For material relating to Hodgkin's ornithological observations and photography in this period see A.65-A.69.	1927-1931 or 1932
A.42-A.43	School reports 2 folders.	1927-1931
A.44	Contents of hardback ringbinder with (later) label on front cover '1931 Greshams School Botany ALH' Typescript and manuscript notes and illustrations. The binder, in poor condition, has not been retained.	1931
A.45	Contents of hardback ringbinder with (later) label on front cover '1931 Greshams School Botany ALH' Typescript and manuscript notes and illustrations. The binder, in poor condition, has not been retained.	1931

Biographical

A.46	English essay on the subject 'Would you rather be a great statesman or a great scientific discover [sic] ?' 5pp manuscript. Hodgkin concludes he would rather be a great scientist.	1929
A.47	'Vegetation of Scott Head. Written Dec 1931 based on observation in early August 1931' Contents of folder so inscribed: 'Holland-Martin Prize Essay', 28pp typescript + illustrations and appendix.	1931
A.48	Untitled English essay on modern literature Found in folder with later inscription 'Written at Gresham either in 1931 or perhaps in February 1932. Very much influenced by Denys Thompson, Mac Eachran (at Holt) and by Axel's castle (Edmund Wilson). I have no idea what this essay was written for or why two pages are virtually invisible.' 17pp typescript.	1931 or 1932
A.49	Annual Report of Gresham's School Natural History Society Hodgkin was editor of the Report.	1931
A.50	Typescript notes for school debates	Nd
A.51-A.61	Trinity College Cambridge	1932-1936
A.51-A.53	'Some effects of temperature on the movements of Polycelis nigra. Accounts of experiments done at Windermere May 1932'	1932
A.51	Typescript draft, with manuscript corrections. 41pp + figures.	

Biographical

- A.52-A.53 'Windermere 1932 & data of experiments Polcelis nigra'
- Contents of Hodgkin's envelope so inscribed divided into two for ease of reference.
- 2 folders.
-
- A.54 Hardback notebook inscribed on front page 'A.L. Hodgkin Trinity College 1935' 1935
- Used from the front and from the back. Many loose notes intercalated throughout.
-
- A.55-A.60 Lever file inscribed 'Nerve theory 1935-6' 1934-1936
- Manuscript and typescript notes. Includes notes on lectures by Bergmann (A.55), 'The behaviour of sense organs' by Hodgkin (A.57), 'Membrane Theory of the nerve impulse (Paper to Nat. Sci. Club) April 1934' by Hodgkin (A.59), and 'Paper II A mathematical theory of nerve construction' by Hodgkin, August 1935.
- 6 folders.
-
- A.61 Menu for Dinner of 'The Family', Trinity College, 3 May 1935 1935
- Also includes 1p manuscript poem 'Thanks. It was a pure delight', written on verso of Balliol College, Oxford writing paper.
-
- A.62-A.69 Ornithology 1924-1932
- Hodgkin's interest in ornithology started at a very young age (see A.35-A.37). By the age of 10 he was recording his observations and by the time he was at Gresham's School he was taking photographs and submitting masterly essays to the Royal Society for the Protection of Birds.

Biographical

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| A.62 | <p>Hardback notebook with (later) label on front cover 'A.L.H. Bird diary 1924-5'</p> <p>Also inscribed on inside front cover 'Bird Diary April 1924. M.F. Hodgkin. A.L. Hodgkin'.</p> <p>Used for notes on birds seen, pictures, paintings, bird's feathers. Includes loose notes.</p> | 1924-1925 |
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| A.63 | <p>'Nature Note Book' inscribed on front cover 'A.L. Hodgkin Birds 1925-6'</p> <p>Also inscribed on first page 'Summer Term 1925'.</p> <p>Used for notes on birds seen, pictures, paintings.</p> | 1925-1926 |
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 | | |
| A.64 | <p>Hardback pocket book with (later) label on front cover 'Sketch Book 1925-6 Mainly Birds'</p> <p>Used chiefly for ink sketches (probably by Hodgkin's mother).</p> | 1925-1926 |
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 | | |
| A.65 | <p>'The Golden Plover' by A.L. Hodgkin 'age 14 yrs 7mths'</p> <p>6pp manuscript + painting and photographs; letter from RSPB re award of prize to Hodgkin.</p> <p>Found in folder with later inscription: 'Essay on the Golden Plover written in 1928 for the Royal Society for the Protection of Birds competition. My friend is Aunt Katie.'</p> | 1928-1929 |
|
 | | |
| A.66 | <p>'Observations on the Sparrow Hawk and an Appeal for the Protection of Hawks in General'</p> <p>10pp typescript with photographs.</p> <p>A 1978 annotation on the front cover by Hodgkin records: 'Written in 1930 (Aug-Sept) for the Roy Soc Protection of Birds [...] I had high hopes of this essay and was disappointed when it did not receive a prize and was only "highly commended" '.</p> | 1930 |

Biographical

A.67-A.69	'Bird photographs 1931-2 Golden Plover, Long Eared Owl (Bamburgh), Sparrow Hawk (1930) Holt'	1927-1932
	Contents of Hodgkin's folder so inscribed, divided into three for ease of reference. Includes other birds than those mentioned.	
A.70-A.103	CAREER, HONOURS AND AWARDS	1936-1987
A.70	Election to Fellowship, Trinity College	1936
A.71	Doctor of Science (Sc.D.), University of Cambridge	1960
A.72	Honorary Doctor of Science, University of Sheffield, July 1963	1963
A.73-A.83	Award of Nobel Prize for Physiology, 1963	1963-1965
	Hodgkin received the Prize jointly with A.F. Huxley and J.C. Eccles 'for their discoveries concerning the ionic mechanisms involved in excitation and inhibition in the peripheral and central portions of the nerve cell membrane'.	
A.73	Notification of award; correspondence <i>re</i> arrangements	1963
A.74	Correspondence <i>re</i> film of squid behaviour to be shown in Stockholm	1963
A.75	Programme; itinerary etc	1963

Biographical

A.76-A.81	Letters and telegrams of congratulation In chronological order. 6 folders. Not indexed.	1963-1964
A.82-A.83	Letters asking for medical advice 2 folders.	1964-1965
A.84	Honorary Doctor of Science, University of Newcastle upon Tyne, May 1965	1964-1965
A.85	Royal Society Copley Medal 1965 Letters of congratulation only. Not indexed.	1965
A.86	Honorary Doctor of Science, University of East Anglia, April 1966	1965-1966
A.87	Election as President of the Royal Society, 1970 Letters of congratulation only. Not indexed.	1970-1971
A.88	Offer of Mastership of Fitzwilliam College Cambridge, 1970	1970-1971
A.89	Election as Chancellor, University of Leicester, 1971 Includes 10pp manuscript draft of speech of thanks at inauguration (at which he also received an Honorary Degree).	1971

Biographical

A.90	Honorary Doctor of Science, University of Manchester, May 1971 Includes 3pp typescript of Hodgkin's speech of thanks.	1971
A.91	Honorary Doctor of Science, University of London, November 1971	1971
A.92	Knighthood, 1972 Letters of congratulation only. Not indexed.	1972
A.93	Honorary Fellowship of Imperial College London, October 1972	1970-1972
A.94	Admission to the Order of Merit, 1973 Letters of congratulation only. Not indexed.	1973
A.95	Honorary Doctor of Science, Memorial University of Newfoundland, St John's, Newfoundland, Canada, May 1973 Includes 11pp manuscript draft of Hodgkin's speech of thanks. While at St John's Hodgkin also gave a talk on his scientific work.	1972-1973
A.96	Honorary Doctor of Laws, University of Aberdeen, July 1973 Includes 2pp typescript of Hodgkin's speech of thanks.	1972-1973
A.97	Honorary Doctor of Science, Rockefeller University, New York, USA, June 1974	1973-1974

Biographical

A.98	Honorary Doctor of Science, University of Wales, July 1974 Includes 3pp typescript of Hodgkin's speech of thanks.	1972-1975
A.99	Honorary Doctor of Science, University of Bristol, July 1976 Includes typescript of presentation speech by F.C Frank.	1976
A.100	Honorary Doctor of Science, University of Oxford, June 1977	1976-1977
A.101	Election as Master of Trinity College Cambridge, 1978 Includes photocopy of press-cutting profiling Hodgkin.	1978
A.102	Honorary Doctor of Science, University of Pisa, Italy, November 1987 Includes 6pp typescript of Hodgkin's speech of thanks, with Italian translation.	1987
A.103	Miscellaneous letters of congratulation	1974, 1977
A.104-A.168	FAMILY The great bulk of this material is correspondence from Hodgkin, and later Hodgkin's family, to his mother, at A.106-A.164.	1902-1977
A.104	George Lloyd Hodgkin (father) Hardback journal labelled on front cover 'Taupo Roto-aira' and on first page 'No.2 Taupo 1902 May 6-June 30'.	1902

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Biographical

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A later typescript note found inside front cover records:
'Written by Keith Lucas when he & G.L. Hodgkin were
surveying lakes in New Zealand [...]'.
Hodgkin's father died in Iraq in 1917.

A.105-A.165	Mary Fletcher Hodgkin (later Mrs Lionel Smith) (mother)	1923-1977
A.105	<p>Hardback notebook with (later) label on front cover 'Holiday diary kept by M.F.H. mostly 1924-1928 Sketches & entries by A.L.H.'</p> <p>Also inscribed on first page 'The Holiday Book. M.F.H.- A.L.H., R.A.H., G.K.H.H.'</p> <p>Includes photographs of locations, the Hodgkin children at play etc pasted onto the pages and some loose at front and back. Also loose at back is account of holiday Easter 1929.</p>	1924-1929
A.106-A.164	<p>Family letters to M.F. Hodgkin</p> <p>Correspondence from Hodgkin, later from Hodgkin's wife Marion ('Marnie') and then also from their children.</p> <p>Much of Hodgkin's schoolboy and student correspondence was not dated at the time and was subsequently arranged into chronological order by Hodgkin. The letters 1932-1943 were found grouped into labelled periods of a few months.</p>	1923-1977
A.106-A.107	<p>1923</p> <p>2 folders.</p>	
A.108-A.109	<p>1924</p> <p>2 folders.</p>	
A.110	1925	
A.111	1927	

Biographical

A.112	1928
A.113-A.115	1929 3 folders.
A.116-A.118	1930 3 folders.
A.119-A.121	1931 3 folders.
A.122	'1932 Jan-March Treworgan Harpenden Greshams' Correspondence so labelled.
A.123	'Bamburgh 27-4-32 Others Wray May 1932' Correspondence so labelled.
A.124	'Jun-July 1932 Frankfurt' Correspondence so labelled.
A.125	'Trinity. Autumn Oct-Nov 1932' Correspondence so labelled.
A.126	'1933 Jan-April' Correspondence so labelled.

Biographical

- A.127 'April-Aug + Sept 1933. Entirely Cambridge. Easter +
Long Vac [...]'
- Correspondence so labelled.
- A.128 'Autumn 1933 Cambridge'
- Correspondence so labelled.
- A.129 'Lent Term 1934 and Summer Term 1934 Easter'
- Correspondence so labelled.
- A.130 'Summer 1934'
- Correspondence so labelled.
- A.131 '1934 A.L.H. Morocco'
- Correspondence so labelled.
- Letters from Hodgkin while on the Cambridge University
Biological Expedition to the Atlas Mountains, July-August
1934.
- A.132 '1934. Autumn'
- Correspondence so labelled.
- A.133 'A.L.H. Spring 1937'
- Correspondence so labelled.
- A.134 Summer 1934

Biographical

- A.135-A.138 '1937-8 Letters from A.L.H. to M.F.S. from New York (& Mexico) (& Eire)'
- Correspondence so labelled.
- The letters cover the period spent at the Rockefeller Institute for Medical Research, New York, and travelling thereafter.
- 4 folders.
- A.139 'A.L.H. Oct-Dec 1938 from Cambridge'
- Correspondence so labelled.
- A.140 'from Trinity A.L.H. Jan-Mar 1939'
- Correspondence so labelled.
- A.141 'April-June 1939 From Cambridge'
- Correspondence so labelled.
- A.142 'July-Aug 1939 Mainly Plymouth'
- Correspondence so labelled.
- Chiefly letters written while Hodgkin was working at the Marine Biological Association Station in Plymouth.
- A.143 'A.L.H. Sept 1939-Jan 1940 Farnborough'
- Correspondence so labelled.
- Letters written after Hodgkin took a temporary post at the Royal Aircraft Establishment working on supply of oxygen to aircrews.
- Letter of 13 October 1939 includes account of tea with Thomas and Dorothy Hodgkin.

Biographical

A.144-A.145	February-December 1940 2 folders.
A.146	'Jan-June 1941' Correspondence so labelled.
A.147	'June-Dec 1941'
A.148	'1942 Halifax Crash Hensby's death Jan1942 to end Dec 1942' Correspondence so labelled. In June 1942 a Halifax bomber testing a prototype of a 10 cm target-finding device crashed in the Wye Valley, killing all on board. Among the dead were Geoffrey Hensby, a close friend of Hodgkin, and Alan Blumlein.
A.149-A.150	'1943 Jan-Dec Break up with Tess' Correspondence so labelled. 2 folders.
A.151	1958
A.152	1959
A.153	1960
A.154	1962
A.155	1963

Biographical

A.156	1964	
A.157	1965	
A.158	1966	
A.159	1967	
A.160	1968	
A.161	1969	
A.162	1969-1970	
A.163	1971-1972	
A.164	1975-1977	
A.165	Miscellaneous personal correspondence to Mary Hodgkin	1936-1937, 1960
A.166-A.167	Sarah Marion Hodgkin Sarah was the Hodgkins' first child, born in 1945.	1959, 1968
A.166	Postcard to Sarah from Hodgkin in Peru, 1 August	1959
A.167	Correspondence <i>re</i> Sarah's wedding	1968

Biographical

A.168	Jonathan Alan Hodgkin	1967
	8pp typescript letter from Jonathan in Iraq to his grandparents.	
	Jonathan Hodgkin was the Hodgkins' third child, born in 1949.	
A.169-A.173	PERSONAL CORRESPONDENCE	1937-1981
A.169	Correspondence to Charles Fletcher	1937-1938
	Letters to C.M. Fletcher from Hodgkin in the US.	
	Fletcher was a friend of Hodgkin's from Trinity College.	
A.170-A.171	Correspondence found in binder labelled 'Personal'	1943-1946
	Miscellaneous personal and business correspondence.	
	Also includes carbon copies of letters from others copied to Hodgkin, chiefly on aspects of work at the Radar Research Establishment, Malvern.	
A.170	1943-1944	
A.171	1945-1946	
A.172	Correspondence with G.W. Edwards <i>re</i> first successful trial of 9 centimetre Air Interception Radar	1972-1981
	Correspondence includes Hodgkin's recommendations for archival preservation of the flight notes.	
A.173	Correspondence with R. van der Hulst <i>re</i> early radar developments	1981
	Includes transcript of Hulst's interview with P.I. Dee.	

Biographical

A.174-A.187	OCCASIONS AND FUNCTIONS	1971-1977, nd
	See also Lectures and speeches, section E.	
A.174	<p>Opening of new building housing the Departments of Zoology and Experimental Biology, Oxford, 12 July 1971</p> <p>Correspondence; programme; information on the new building.</p> <p>Hodgkin opened the new building as President of the Royal Society.</p>	1971
A.175	<p>Opening of new Science Library and Medical Biology Building, Queen's University of Belfast</p> <p>Correspondence; background information on the Science Library.</p> <p>The openings were originally planned for October 1971. They were subsequently postponed as it was felt that, given the circumstances in Northern Ireland, drawing attention to the new buildings might encourage terrorist attacks against them.</p>	1971
A.176-A.177	Opening of new buildings, Ward Freman School, Buntingford, Hertfordshire, 1972	1971-1972
A.176	Correspondence with Headmaster	
A.177	Background information on Seth Ward, 16th century bishop and native of Hertfordshire.	
A.178	<p>Inauguration of new 5km Radio Telescope, Mullard Observatory, Cambridge, 17 October 1972</p> <p>Correspondence; background information.</p> <p>Hodgkin inaugurated the telescope as President of the Royal Society.</p>	1972

Biographical

A.179	<p>Lecture in Memory of Trevor Shaw, Queen Mary College, London, 20 February 1974</p> <p>Letter of thanks and Hodgkin's reply.</p>	1974
A.180	<p>Speech at Annual Dinner of the Metals Society, 24 April 1974</p> <p>Correspondence; 7pp typescript of Hodgkin's speech.</p>	1974
A.181	<p>Opening of Tercentenary Exhibition 'George Ravenscroft and three hundred years of Lead Glass', Science Museum, London, 3 October 1974</p> <p>Correspondence, 4pp manuscript draft of Hodgkin's speech, background information.</p> <p>Hodgkin opened the exhibition as President of the Royal Society.</p>	1974
A.181A	<p>Opening of Cambridge Science Park, 24 June 1975</p> <p>Correspondence, manuscript draft and typescript of Hodgkin's speech.</p>	1975
A.182-A.186	<p>Unveiling of Blue Plaque to Alan Blumlein, Ealing, London, 1 June 1977</p> <p>The radar pioneer Alan Blumlein was known to Hodgkin. He perished in the same aircraft accident in June 1942 in which his close friend Geoffrey Hensby died.</p>	1975, 1977
A.182	<p>Exchange with F.P. Thomson</p> <p>Includes material <i>re</i> Thomson's campaign to secure a Blue Plaque for Blumlein.</p> <p>Thomson was a biographer of Blumlein who was instrumental in persuading the Greater London Council to mount the Blue Plaque in honour of Blumlein.</p>	1975
A.183	<p>Correspondence with Thomson</p>	1977

Biographical

A.184	7pp manuscript draft and 7pp typescript of Hodgkin's speech	1977
A.185	Arrangements for unveiling Includes typescripts of other speeches and photocopy of press report.	
A.186	Background material on Blumlein	
A.187	Speech at opening of exhibition on Luke Howard 4pp typescript. Luke Howard was a manufacturing chemist of the late eighteenth and early nineteenth century.	Nd
A.188-A.193	COLLEAGUES Biographical material on E.D. Adrian and W.A.H. Rushton.	1948, 1971, 1980, nd
A.188	E.D. Adrian Photocopy of letter to Lord Adrian on chronaxie (author unknown), February 1948; 4pp typescript on 'Lord Adrian's work on olfaction' (author unknown), nd.	1948, nd
A.189-A.193	W.A.H. Rushton	1971, 1981, nd
A.189-A.190	'Some recollections of William Rushton and his contributions to Neurophysiology (1925-52)' by Hodgkin	Nd
A.189	10pp manuscript	

Biographical

- A.190 10pp typescript
- A.191 Rushton's 'Personal Record of Fellow of the Royal Society' 1971

35pp photocopy typescript.

Sent to Hodgkin by Rushton in 1971.
- A.192 'My Research in Vision' by Rushton 1971

Photocopy typescript paginated 34-67; list of Rushton's publications on vision.
- A.193 'W.A.H. Rushton in the Physiological Laboratory, Cambridge. Memories of Clive Hood and Fergus Campbell' Nd, 1980

3pp typescript; obituary of Rushton 1980, found therewith.
- A.194-A.202 **PHOTOGRAPHS** **1926-1984**

See also A.105.
- A.194 'Miscellaneous photographs from Holt (& from the Downs) The Doctors Dilemma 1927, Macbeth (the Downs 1926)'. 1926-1931

Contents of folder so inscribed: rugby team photographs and photographs from school plays, identified on verso.

Also includes letter of congratulations to Hodgkin from F.L. McCarthy, December 1931.

5 photographs.

Biographical

A.195	<p>School and class photographs</p> <p>Both feature Hodgkin. Probably from Downs School.</p> <p>2 photographs.</p>	1920s
A.196	<p>Mounted photographs taken by Hodgkin</p> <p>Photographs of Downs School (exterior and interior) and surrounding countryside, wildlife etc.</p>	late 1920s
A.197	<p>Portrait photographs of Hodgkin</p> <p>Taken at various stages of later career, the majority are not dated.</p> <p>8 photographs.</p>	1965, 1970, nd
A.198	<p>Mounted group photograph featuring Hodgkin</p> <p>Those featured may appear as Royal Society medallists for 1965.</p> <p>Hodgkin was awarded the 1965 Copley Medal.</p>	?1965
A.199	<p>Photograph of Hodgkin inscribed on verso 'Leningrad 1967'</p>	1967
A.200-A.202	<p>Commemorative albums</p> <p>These are albums presented to Hodgkin by friends and colleagues to mark a special occasion.</p>	1964, 1984
A.200	<p>50th Birthday</p> <p>Compiled by the Hodgkin Presentation Committee 'to mark this occasion of expressing our affection to you'.</p> <p>Photographs of scientific colleagues and friends.</p>	1964

Biographical

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| A.201 | 70th Birthday | 1984 |
| | From 'pupils and friends', 5 February. | |
| | Photographs of scientific colleagues and friends, with words of good wishes. | |
| | | |
| A.202 | Retirement as Master of Trinity College | 1984 |
| | Photographs of Trinity College buildings and people. | |

SECTION B	UNIVERSITY OF CAMBRIDGE, B.1-B.435	1938-1989, nd
	B.1-B.342 LABORATORY	
	B.343-B.349 TRINITY COLLEGE	
	B.350-B.378 TEACHING	
	B.379-B.394 SCHOOL OF BIOLOGICAL SCIENCES	
	B.395-B.435 MISCELLANEOUS PAPERS	
B.1-B.342	LABORATORY	1938-1989, nd
	B.1-B.72 Funding	
	B.73-B.141 Equipment	
	B.142-B.305 Staff	
	B.306-B.314 'Research animals'	
	B.315-B.320 'Laboratory'	
	B.321-B.342 Miscellaneous files	
B.1-B.72	Funding	1946-1988
B.1-B.12	Rockefeller Foundation grants.	1946-1961
B.1	Letter to Hodgkin from E.D. Adrian, with a draft grant application in the latter's hand; typescript draft memorandum by Hodgkin entitled 'Future research on physical aspects of excitable cells'.	1946
B.2	Correspondence etc chiefly <i>re</i> expenditure from grants, with financial statements. Chiefly 1946-1953.	1946-1958

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B.3-B.4	Financial papers, with a few related letters. Found with the correspondence in B.1-B.2. 2 folders.	1946-1960
B.5	'Future of Rockefeller Unit', contents of a file so inscribed. Correspondence and papers.	1949-1960
B.6-B.7	Correspondence <i>re</i> expenditure and other matters. 2 folders.	1951-1961
B.8	Correspondence <i>re</i> a (successful) grant application made by the Physiological Laboratory; typescript of the application.	December 1954-1955
B.9	Progress reports on research covered by the grants.	1946-1957
B.10	Correspondence <i>re</i> a further application which was unsuccessful.	1960
B.11-B.12	Estimates of expenditure. Copies of correspondence and various papers chiefly <i>re</i> expenditure; drafts of a few progress reports. Contents of a file inscribed 'Estimates'. 2 folders.	1947-1960
B.13-B.27	Nuffield Foundation grants.	1950-1965
B.13-B.17	Correspondence <i>re</i> grant applications/awards, expenditure etc, with copies or drafts of progress reports and grant applications. 5 folders.	1951-1965

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B.18-B.19	'Nuffield Grant expenditure', contents of a file so inscribed. Financial papers. 2 folders.	1951-1961
B.20-B.23	Papers <i>re</i> expenditure, progress reports and related correspondence. 4 folders.	1950-1965
B.24-B.26	Copies of annual reports etc with related correspondence. 3 folders.	1950-1964
B.27	'Future of Nuffield', contents of a file so inscribed. Correspondence etc <i>re</i> applications.	1954-1955
B.28-B.37	Royal Society grants. The material chiefly relates to grants made in connection with Hodgkin's tenure of the Foulerton Research Professorship.	1952-1970
B.28-B.33	Correspondence <i>re</i> grants and expenditure etc, with a few reports. 6 folders.	1952-1970
B.34-B.36	Copies of annual reports with correspondence. 3 folders.	1952-1970
B.37	Receipts for laboratory expenditure and correspondence with bank etc.	1956-1960

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B.38-B.58	Medical Research Council grants.	1970-1988
B.38	'Reichert Zetoplan application', contents of a file so inscribed. Brief correspondence etc <i>re</i> application for a grant to purchase a research microscope.	1971
B.39-B.40	Correspondence <i>re</i> grant applications. Chiefly 1970-1972. 2 folders. Contents of an unmarked file.	1970-1976
B.41	'MRC grant 1973', contents of a file so inscribed. Papers and correspondence <i>re</i> application for a grant for a new computer.	1973
B.42-B.43	'MRC application 1975', contents of a file so inscribed. Various papers, with correspondence, <i>re</i> application for a project grant; correspondence etc arising. 2 folders.	1975-1978
B.44-B.46	'MRC applications 1977-78-81', contents of a file so inscribed. Correspondence and papers <i>re</i> a project grant application, including drafts of the application. 3 folders.	1977-1981
B.47-B.49	'MRC project grant 1981-84', contents of a file so inscribed. Correspondence and drafts of grant applications etc. 3 folders.	1980-1983

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B.50-B.55	'MRC project grant 1984-7', contents of 2 files so inscribed. Correspondence and drafts of grant applications etc. 6 folders.	1983-1988
B.56	'MRC Supplementary grant applic'n', contents of a file so inscribed. Draft grant applications.	c.1983
B.57-B.58	Draft reports on work funded by MRC grants with correspondence etc. 2 folders.	c.1985
B.59-B.70	'Biophysics funding', contents of a box so inscribed. Files relating to the general funding of the Physiological Laboratory.	1965-1987
B.59	'Grants to laboratory. University - replacing Nuffield', contents of a file so inscribed. Copy of an account of expenditure.	1965
B.60	'Grants to laboratory. University - ex R.U. £1000 p.a.', contents of a file so inscribed. Accounts of expenditure, mostly copies.	1965-1969
B.61	'Biophysics finance - current', contents of a file so inscribed. Copies of accounts of expenditure. 2 folders.	1976-1977

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B.62-B.65	'Biophysics finance - past', contents of a file so inscribed. 4 folders.	1968-c.1974
B.66	'Expenditure 1977-8', contents of a file so inscribed. Accounts of expenditure with brief correspondence.	1977-1978
B.67-B.68	'Consumables', contents of 3 files so inscribed. Financial papers and correspondence. 2 folders.	1978-1981
B.69-B.70	Miscellaneous correspondence and financial papers. Chiefly 1965-1977. 2 folders.	1965-1977, 1985-1987
B.71-B.72	Miscellaneous papers <i>re</i> grants. 2 folders.	1965-1973
B.73-B.141	Equipment	1938-1984, nd
B.73-B.84	'Laboratory', contents of a file so inscribed. Inscriptions on constituent files are given below.	1949-1976
B.73	'Apparatus etc'. Correspondence etc <i>re</i> orders for various items.	1961-1963
B.74	'Zeiss Standard WL Microscope and Stereomicroscope III'. Correspondence etc <i>re</i> orders.	1965-1967

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B.75-B.76	'New laboratory - plans & equipment'. Correspondence <i>re</i> equipment; plans of laboratory. 2 folders.	1965-1966
B.77	'Equipment - counters'. Correspondence concerning enquiries about radioactive counters etc.	1965
B.78	'Equipment for new rooms'. Brief correspondence etc.	1970
B.79	'Royal Society grant items'. Correspondence etc <i>re</i> orders for equipment.	1971-1972
D.80	'Wild Heerbrugg [engineering company]'. Correspondence <i>re</i> orders for optical equipment.	1971-1976
B.81-B.84	Miscellaneous correspondence and papers <i>re</i> orders for equipment etc. Chiefly 1970-1976. Included at B.81-B.82 are manuscript diagrams of electrical circuits. 4 folders.	1949-1976
B.85-B.141	Alphabetical files of equipment suppliers. Correspondence and purchase orders etc. Some correspondence relates to the import of items. A very small amount concerns matters unrelated to the laboratory.	1938-1984, nd

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The original arrangement of the files - alphabetically by name of company or organisation - has been preserved.

Un-indexed.

B.85	Bausch & Lomb Optical Company Ltd.	1971
B.86	Bellingham & Stanley Ltd.	1971-1975
B.87	Bryans Southern Instruments Ltd.	1977-1978
B.88	Buchler Instruments Inc. (USA).	1962-1963
B.89	Miscellaneous B. A few papers found loose.	1964-1979
B.90	Cambridge Electronic Design Ltd.	1977
B.91	Cambridge Instrument Company Ltd.	1947-1953
B.92	Clarke Electromedical Instruments.	1978
B.93	Cossor Instruments Ltd.	1938-1965
B.94	Miscellaneous C. A few papers found loose.	1962-1977, nd
B.95	Degenhardt & Co. Ltd.	1962-1966

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B.96	Digital Equipment Co. Ltd.	1972-1977
B.97	Digitimer Ltd.	1978
B.98	B. Draper & Son Ltd.	1978
B.99	Ealing Beck Ltd.	1971-1978
B.100	East Anglia Forwarding (import agents).	1976
B.101	Electronic Instruments Ltd.	1961-1967
B.102	EMI Electronics Ltd.	1977
B.103	Fisher Scientific Company (Switzerland).	1966-1967
B.104	Forth Instruments Ltd.	nd
B.105	Fratelli Fabbri Editore (Italy).	1968
B.105A	Glass Company of America.	1965-1975
B.106-B.108	Grass Instrument Company (USA). 3 folders.	1963-1968
B.109	Miscellaneous G. A few papers found loose.	1959-1964

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B.110	Hewlett-Packard Ltd.	1978
B.111	V.A. Howe Ltd.	1959-1967
B.112	Ilford Ltd.	1959-1965
B.113	Johnson Matthey & Co. Ltd.	1960-1965
B.114	Walter J. Johnson Ltd.	1968
B.115	Kelvedon Electrical Co.	1967
B.116	Kodak Ltd.	1960-1977
B.117	E. Leitz (Instruments) Ltd.	1976-1978
B.118	Oriel Scientific Ltd.	1977
B.119	Packard Instruments Ltd.	1967-1968
B.120	Panax Equipment Ltd.	1961-1967
B.121	W.R. Prior & Co. Ltd.	1960-1978
B.122	Pye Unicam Ltd.	1973-1979

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B.123	Miscellaneous P. A few papers found loose.	1960-1976
B.124	Rofin Ltd.	1977
B.125	Miscellaneous R. A few papers found loose.	1978, nd
B.126	Schwarz-Mann (USA).	1971-1973
B.127	Miscellaneous S. A few papers found loose.	1964-1980
B.128	Tape recorders.	1973
B.129	Technitron.	1978-1979
B.130	Tekman Electronics Ltd.	1975-1977
B.131-B.133	Tektronix UK Ltd. 3 folders.	1949-1975
B.134	Texas Instruments.	1975-1978
B.135	'Firms U', contents of a file so inscribed.	1977, nd
B.136	'Firms V', contents of a file so inscribed.	1961-1975

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B.137	Wang (UK) Ltd.	1984
B.138	Wards (Cambridge) Ltd.	1976
B.139	Miscellaneous W. A few papers found loose.	1962-1964, 1978
B.140	C. Yeomans.	1960
B.141	Carl Zeiss (Oberkochen) Ltd.	1978
B.142-B.305	Staff Correspondence and papers relating to careers of individuals who worked at the Physiological Laboratory, Cambridge during Hodgkin's time. There is also correspondence etc <i>re</i> scientific research and professional and personal matters.	1948-1989
B.142-B.188	'Laboratory staff ', contents of boxes so inscribed. Files arranged alphabetically (the original order has been maintained).	1948-1989
B.142-B.143	R.H. Adrian. Adrian was a close colleague of Hodgkin for many years and became Professor of Cell Physiology at Cambridge in 1978. He collaborated with Hodgkin on research into the activation of muscle in the late 1960s. Included is correspondence with Hodgkin, chiefly <i>re</i> research work (B.142). 2 folders.	1960-1978, nd

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B.144	J. Arber. Secretarial assistant.	1978-1980
B.145	H.B. Barlow. Royal Society Research Professor in Physiology, University of Cambridge (from 1973). One letter only.	1973
B.146-B.147	C.B. Blakemore. Blakemore was University Demonstrator and Lecturer in Physiology, 1968-1979. He later became Waynflete Professor in Physiology, Oxford (1979). 2 folders.	1976
B.148	R.H.S. Carpenter. Lecturer in the Department of Physiology.	1970-1971
B.149-B.152	R.H. Cook. Cook was a long-serving laboratory technician who contributed to many of Hodgkin's important experiments, including those involving the 'voltage-clamp' technique. 4 folders.	1948-1982
B.153	M. Edwards. She was Hodgkin's secretary.	1969-1983
B.154-B.156	A.C. Crawford. Crawford was a University Demonstrator and Lecturer in Physiology, 1970-1976. He carried out important work on the inner ear with R. Fettiplace, 1977-1979 (see below). 3 folders.	1970-1986

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B.157-B.159	R. Fettiplace.	1970-1987
	<p>Fettiplace collaborated with A.C. Crawford (see above). He was Howe Senior Research Fellow of the Royal Society, 1979-[?].</p> <p>3 folders.</p>	
B.160	I.M. Glynn.	1957-1974
	<p>Glynn was a University Demonstrator and Lecturer in Physiology, 1958-1970, and carried out important work on red blood cells.</p>	
B.161-B.162	D.A. Haydon.	1967-1988
	<p>A close colleague of Hodgkin, Haydon was Reader in Surface and Membrane Biophysics, 1974-1980, becoming Professor of Membrane Biophysics at Cambridge in 1980.</p> <p>2 folders.</p>	
B.163	A.P. Hillier.	1970
	<p>Hillier was a research worker and lecturer.</p>	
B.164-B.165	A.F. Huxley.	1977-1984
	<p>Huxley began working with Hodgkin on squid nerve fibres in 1939, the start of a long collaboration which led to their joint award of the 1963 Nobel Prize for Physiology or Medicine.</p> <p>2 folders.</p>	

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B.166-B.168	R.D. Keynes.	1973-1977
	<p>Keynes was Professor of Physiology at Cambridge (from 1973) and a close colleague of Hodgkin. They worked together on cuttlefish nerve fibres in the 1950s.</p> <p>Correspondence etc with Hodgkin <i>re</i> research funding issues and various other topics.</p> <p>3 folders.</p>	
B.169	C.J. Kros.	1987
	<p>PhD student under supervision of A.C. Crawford, c.1984-1987.</p>	
B.170-B.178	T.D. Lamb.	1973-1989
	<p>Lamb trained as an electrical engineer in Australia before carrying out research with Hodgkin on the retina during periods in the 1970s and 1980s.</p> <p>Included is correspondence etc with Hodgkin etc <i>re</i> research projects and general and personal matters.</p> <p>9 folders.</p>	
B.179	P.R. Lewis.	1948
	<p>A chemist who joined the Physiological Laboratory on a Rockefeller grant, 1948-[?1951].</p>	
B.180-B.182	P. A. McNaughton.	1974-1987
	<p>McNaughton was originally from New Zealand. With Hodgkin he carried out research on retinal rods (chiefly of turtle) during periods in the late 1970s and 1980s.</p> <p>Included is some correspondence <i>re</i> research and personal matters.</p> <p>3 folders.</p>	

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B.183	M.J. Marsh. Laboratory technician (instrument maker).	1975-1979
B.184	T.J. Rink. Rink held an Elmore Research Studentship, 1973-1974, afterwards becoming a university demonstrator.	1973-1978
B.185-B.188	P.R. Stanfield. Stanfield took a PhD at Cambridge (Hodgkin was his supervisor), later becoming university demonstrator, 1969-1974. 4 folders.	1965-1985
B.189-B.270	'Past research staff', contents of boxes so inscribed (first series). The larger of two separate alphabetical series, an arrangement that has been kept. Files arranged alphabetically by name of individual (the original order has been maintained).	1953-1988
B.189	W.J. Adelman. Adelman was an American physiologist who worked in the Physiological Laboratory and at the MBA, Plymouth, for a few weeks in 1960-1961. Correspondence (almost all 1960-1961) chiefly <i>re</i> arrangements.	1960-1965
B.190-B.192	P.F. Baker. Baker was a close colleague of Hodgkin. They worked together on squid nerve fibre in the 1960s and 1970s. Included is some correspondence <i>re</i> research. 3 folders.	1960-1988

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B.193-B.199	D.A. Baylor.	1969-1988
	<p>In the early 1970s Baylor collaborated with Hodgkin on studies of turtle retina. He later worked for several years at Stanford University School of Medicine, California, USA.</p> <p>Included is correspondence <i>re</i> research and publications and personal matters.</p> <p>7 folders.</p>	
B.200-B.201	M.P. Blaustein.	1965-1979
	<p>Blaustein, an American, carried out research on nerve, 1966-1968.</p> <p>Chiefly 1965-1970. Included is some correspondence <i>re</i> research and personal matters.</p> <p>2 folders.</p>	
B.202-B.207	W.K. Chandler.	1961-1978
	<p>Chandler, an American neurophysiologist, worked at Cambridge, 1962-1965 as a Special Fellow of the National Institutes of Health (USA). He collaborated with Hodgkin in a number of publications on muscle and squid nerve fibre, 1965-1969. The two men remained close colleagues.</p> <p>Much of the correspondence relates to research and publications.</p> <p>6 folders.</p>	
B.208-B.213	P.B. Detwiler.	1974-1988
	<p>Detwiler, an American, was a post-doctoral fellow, 1975-1977. He collaborated with Hodgkin on studies of turtle retina during periods in the late 1970s and 1980s.</p> <p>Chiefly 1974-1981. A large part of the correspondence relates to research and publications.</p> <p>6 folders.</p>	

University of Cambridge

B.214	J.D. Diamond. A research student, 1958-1962.	1958-1967
B.215-B.216	E.T. Dunham. Research worker, 1958-1960. 2 folders.	1957-1961
B.217	H.S. Frazier. From the Biophysical Laboratory of Harvard Medical School, USA. Research worker under Hodgkin, 1956-1957.	1955-1956
B.218	D.S. Geduldig. Postdoctoral researcher, 1965-1966, supported by a grant from the American Cancer Society.	1964-1966
B.219	D.P.L. Green. Research worker, [1974 or 1975]-c.1977.	1976-1977
B.220-B.221	B. Hille. From the Rockefeller University, USA; research worker at Cambridge 1967-1968. 2 folders.	1964-1969
B.222-B.223	S.B. Hladky. Hladky, an American, took a PhD at Cambridge before becoming University Demonstrator in Physiology, 1974-[?]. 2 folders.	1968-1978

University of Cambridge

B.224	P. Horowicz. Horowicz, an American, worked closely with Hodgkin on investigations of muscle in the late 1950s and early 1960s.	1959-1966
B.225	J.E. Kimura. PhD student.	1977
B.226	J.Z. Levinson. Research worker for a few months in 1966.	1966
B.227	H.C. Lüttgau. Lüttgau, a German, conducted research with Hodgkin on muscle, 1962-1964.	1961-1965
B.228-B.230	R.N. McBurney. Research worker from Australia, 1974-1976, holding a Florey Fellowship. 3 folders.	1973-1986
B.231-B.234	W.T. Mason. PhD student, 1973-1977. 4 folders.	1973-1979
B.235-B.236	H. Meves. Meves, a German, carried out research on squid at the MBA, Plymouth, during visits between 1962 and 1965, and published some papers with Hodgkin. 2 folders.	1961-1972

University of Cambridge

B.237-B.238	R.B. Moreton. PhD student, 1964-1967. 2 folders.	1964-1969
B.239-B.243	S. Nakajima. Nakajima, from the USA, was Visiting Research Fellow, 1967-1969. Included is correspondence <i>re</i> research and publications. 5 folders.	1965-1987
B.244	Niedergerke, [?]. Niedergerke, from West Germany, was a research worker, 1952-c.1954.	1953-1954
B.245-B.248	P.M. O'Bryan. O'Bryan, from the USA, held a Medical Research Council Travelling Fellowship, 1973-1974. 4 folders.	1971-1976
B.249-B.251	W.G. Owen. Owen worked on vision during visits to Cambridge in the 1970s. 3 folders.	1975-1984
B.252	B. Rudy. PhD student from Mexico, 1972-1976 (Hodgkin was his supervisor).	1976-1986

University of Cambridge

B.253	E.A. Schwartz.	1973-1976
	Schwartz, from the USA, appears to have been a research worker for a period in the mid-1970s.	
B.254	T.I. Shaw.	1966-1972
	Shaw, a close colleague of Hodgkin, made important contributions to the work on squid nerve fibres in the late 1950s and early 1960s.	
	Included are drafts of a memorial address by Hodgkin following Shaw's death.	
B.255-B.257	E.J. Simon.	1973-1984
	Simon, a visual physiologist from the USA, held a post-doctoral fellowship from the National Institute of Health (USA), 1974-1976.	
	3 folders.	
B.258	T.J.B. Simons.	1970-c.1973
	Held a Medical Research Council Training Scholarship, 1970-1973.	
B.259	R.C. Swan.	1954
	Research worker from the USA, 1955-1956.	
B.260	R.E. Taylor.	1955-1956
	Research worker, [?1953]-1955.	
B.261-B.263	V. Torre.	1976-1988
	Torre, from Italy, worked on toad retina, 1979-1980.	
	3 folders.	

University of Cambridge

B.264	R.Y. Tsien. Research worker from the USA, c.1973-1976.	1973-1976
B.265	N.A. Walker. Research worker from Australia, 1960-1962.	1958-1966
B.266-B.270	K.-W. Yau. Yau, from the USA, was a Post-doctoral Fellow, 1979-1980, working with Hodgkin on vision. Included is correspondence relating to research and publications. 5 folders.	1977-1988
B.271-B.285	'Past research staff', contents of a box file (second series). Files arranged alphabetically.	1954-1972
B.271	A.J. Brady. Research worker from the USA, 1957-1958.	1956-1965
B.272	L.L. Constantin. Research worker from the USA, [?late 1960s].	1969-1971
B.273	W.H. Freygang. Freygang, an American from the National Institute of Mental Health, carried out research on muscle fibres at Cambridge, 1959-1960.	1958-1966

University of Cambridge

B.274	P.J. Garrahan. Garrahan, an Argentinian, was a research worker, c.1965-1967.	1963-1972
B.275-B.276	M.J. Hunter. Research student, 1969-1972. 2 folders.	1969-1972
B.277	C.-Y. Kao. Research worker from the USA, 1966-1967.	1965-1969
B.278-B.280	K.J. Martin. Martin, a Canadian, held a Wellcome Trust Research Fellowship, 1964-1966. 3 folders.	1963-1969
B.281	S.J. Potashner. Research worker from Canada, 1970-1972.	1971-1972
B.282	D.C. Tosteson. Research worker from the USA, 1956-1957. He and Hodgkin remained close colleagues after Tosteson's return to the USA.	1954-1969
B.283-B.285	J. Zachar. A Czech physiologist who held a Wellcome Trust Research Fellowship, 1969-1970. 3 folders.	1969-1972

University of Cambridge

B.286-B.305	'Present research workers', contents of boxes so inscribed. Files arranged alphabetically.	1980-1989
B.286	J.J. Art. An American research worker, 1981-c.1986.	1983-1986
B.287	L.A. Cervetto. Cervetto, an Italian visual physiologist, became a close colleague of Hodgkin after working in the latter's group for two months in 1982 (they had met earlier).	1982-1986
B.288	L. Lagnado. PhD student, 1985-1988 (Hodgkin was one of the examiners).	1988-1989
B.289-B.293	George Henry Lewis Studentship Fund. Hodgkin was a Trustee. Correspondence and papers <i>re</i> Fund business, including applications. 5 folders.	1984-1988
B.294-B.297	H.R. Matthews. PhD student (Hodgkin was one of the examiners) and post-doctoral research worker, 1982-c.1989. 4 folders.	1985-1989

University of Cambridge

B.298-B.305	B.J. Nunn. Nunn, from South Africa, was a research worker from 1982 until his death in 1987. He worked with Hodgkin, P.A. McNaughton and K.-Y. Yau on the ionic basis of the light sensitive current in vertebrate rods. 8 folders.	1980-1988
B.306-B.314	'Research animals' Contents of a box so inscribed. Correspondence, with purchase orders etc, <i>re</i> purchases of animals for laboratory experiments. Titles of the original files are re-produced below. Arranged alphabetically by name of animal.	1970-1986
B.306	'Axelotls'.	1975
B.307	'Bufo marinus'.	1975-1983
B.308	'Chelydra'.	1977-1978
B.309	'Crocodile'.	1976-1977
B.310	'Protopterus'.	1976-1977
B.311	'Salamanders'.	1982-1986
B.312	'Turtles'.	1970-1978
B.313-B.314	Miscellaneous correspondence and papers. 2 folders.	1971-1981

University of Cambridge

B.315-B.320	'Laboratory needs'	1966-1980
<p>Contents of a box so inscribed.</p> <p>Correspondence and papers <i>re</i> assessments of annual and quinquennial requirements for teaching and research, chiefly laboratory apparatus, and allocation of finances etc.</p> <p>6 folders.</p>		
B.321-B.342	Miscellaneous files	1945-1988
<p>Covering a variety of laboratory business. Arranged chronologically.</p> <p>Inscriptions on the files are reproduced below.</p>		
B.321-B.322	Correspondence etc <i>re</i> purchase of equipment from Government surplus stores (at the end of World War Two).	1945-1947
<p>2 folders.</p>		
B.323	Correspondence etc <i>re</i> the procurement of machine tools and equipment for the Physiological Laboratory at the end of World War Two, and also <i>re</i> technical staff requirements.	1945-1946
B.324	'Aquarium'.	1946-1948
<p>Correspondence etc <i>re</i> the construction of a sea water aquarium for the Physiological Laboratory.</p>		
B.325	'Receipts'.	1948
<p>Receipts for purchases of laboratory equipment and Hodgkin's travelling expenses.</p>		

University of Cambridge

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| B.326-B.329 | 'Electron microscope'.

Correspondence <i>re</i> the loaning of an electron microscope, purchased by the Wellcome Trust, to the Physiological Laboratory.

Originally an electron microscope was intended to be used by H.E. Huxley at the Physiological Laboratory in collaboration with Hodgkin and A.F. Huxley. H.E. Huxley left Cambridge in ?1956 for University College London and appears to have taken the microscope with him. The Wellcome Trust then purchased another electron microscope for loan to Hodgkin's group.

Included is correspondence between Hodgkin, H.E. Huxley and M. Perutz. A few letters relate to H.E. Huxley's departure from Cambridge.

4 folders. | 1954-1961 |
| B.330 | 'Acting H.O.D.'

Correspondence <i>re</i> departmental business during two periods when Hodgkin was Acting Head of Department (1965-1966 and 1977). | 1965-1977 |
| B.331 | 'Neurobiological Research Unit'.

Typescript notes by Hodgkin on a proposal to set up an inter-departmental Neurobiological Research Unit supported by the Research Council. | 1967 |
| B.332 | 'Michael Foster Electors'.

Hodgkin was an Elector to the Michael Foster Studentship.

Correspondence <i>re</i> applications and general business. | 1967-1976 |
| B.333-B.336 | 'Haydon's move to physiology'.

D.A. Haydon and his research group in the Laboratory of Biophysical Chemistry and Colloid Science transferred to the Department of Physiology in 1970. | 1969-1970,
1975 |

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University of Cambridge

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Correspondence etc *re* plans and arrangements. A few letters (1975) relate to matters arising from the move.

4 folders.

B.337	'Group accommodation'. Correspondence <i>re</i> laboratory/office accommodation and progress on research.	1974-1978
B.338	'Lab correspondence with HoD'. Brief correspondence between R.D. Keynes and the Medical Research Council <i>re</i> a programme grant.	1976
B.339	'Vision Group'. Correspondence <i>re</i> proposed new appointments.	1983
B.340	'Laboratory internal circulars'. Correspondence etc <i>re</i> various matters, including animal rights activists.	1983-1985
B.341	'Customs / Board of Trade'. Correspondence <i>re</i> applications for relief from import duty on laboratory equipment and supplies.	1963-1966
B.342	'Secretarial'. Letter of recommendation.	1988

University of Cambridge

B.343-B.349	TRINITY COLLEGE	1967-1987
	See A.23 for newspaper cuttings relating to Hodgkin's Mastership of Trinity College.	
B.343	'Fellow/Commonership in Creative Arts', contents of a file so inscribed. Correspondence <i>re</i> applications.	1975
B.344	Papers and correspondence <i>re</i> applications for a Teaching Fellowship in Biochemistry.	1975
B.345	Correspondence and papers <i>re</i> the awarding of an English essay prize within the College.	1978
B.346	Letters of commiseration or regret to Hodgkin on the end of his term as Master of Trinity College. Included are a few copies of replies by Hodgkin.	1984
B.346A	Correspondence, chiefly between Hodgkin and the Senior Busar of Trinity College <i>re</i> funds for Hodgkin's research group.	[c.1980]-1987
B.346B	Correspondence <i>re</i> arrangements for Hodgkin's sabbatical year, 1978-1979, and his secretarial expenses etc.	1977-1981
B.347-B.349	Miscellaneous correspondence and papers concerning College business. 3 folders.	1967-1985

University of Cambridge

B.350-B.378	TEACHING	1939-1981, nd
	Papers and correspondence relating to lecture courses in the Department of Physiology. Included are details of course content and organisation, lecture notes (some in Hodgkin's hand), timetables, memoranda to staff, agenda for staff meetings, lecture hand-outs etc.	
B.350-B.353	'Part I', contents of a box so inscribed. 4 folders.	1961-1980
B.354-B.368	'Part II', contents of a box so inscribed. Divided into files whose titles are given below.	1965-1979, nd
B.354-B.355	'Part II general'. 2 folders.	1970-1977
B.356-B.361	'Part II - timetables, students'. 6 folders.	1966-1979
B.362-B.364	'External lecturers'. 3 folders.	1965-1979
B.365	'References'.	Nd
B.366	'Lecture notes / practical notes'.	Nd
B.367	'Hodgkin-Huxley equations'.	Nd
B.368	'Appendix to Notes II'.	Nd

University of Cambridge

B.369	'Lectures I', contents of a box so inscribed.	c.1973
B.370-B.371	'Part II Vision lectures', contents of a box so inscribed. 2 folders.	c.1980-1981
B.372	'Hodgkin refs II', contents of a box so inscribed.	c.1980
B.373	'Hodgkin - Advanced nerve notes 4', contents of a box so inscribed.	Nd
B.374-B.378	Miscellaneous files relating to lectures. Titles of files are given below.	1939-1965, nd
B.374	'Experimental physiology - Course A, Easter Term 1939'.	1939
B.375-B.376	Various typescript papers <i>re</i> experiments on nerve, muscle and vision, found in an unmarked file with the material in B.374. 2 folders.	Nd
B.377	'Elementary maths 1964'. Manuscript lecture notes.	c.1964
B.378	'Part 1a - first lecture Oct. 1965'. 8pp typescript draft of an introductory talk to [?undergraduates].	1965

University of Cambridge

B.379-B.394	SCHOOL OF BIOLOGICAL SCIENCES	1962-1978
B.379-B.380	<p>'Colloid Science Committee', contents of a file so inscribed.</p> <p>The title of the file may refer to the Committee of Management for Biophysical Chemistry and Colloid Science (see B.381-B.383 below).</p> <p>Correspondence and papers <i>re</i> issues concerning the Department of Colloid Science and its future.</p> <p>2 folders.</p>	1962-1969
B.381-B.383	<p>Committee of Management for Biophysical Chemistry and Colloid Science.</p> <p>Hodgkin was a member of the Committee.</p> <p>Papers <i>re</i> meetings etc, with correspondence. Chiefly 1969-1970.</p> <p>3 folders.</p>	1965-1970
B.384	<p>'Faculty Board of Biology "B" '.</p> <p>Hodgkin was a co-opted member member in 1970 and, possibly, during other years.</p> <p>Correspondence <i>re</i> various matters concerning the teaching of biological sciences. Chiefly 1970.</p>	1965-1978
B.385-B.392	<p>Council of the School of Biological Sciences.</p> <p>Hodgkin was a member and served as Chairman in 1978 and, possibly, during other years.</p>	1968-1978
B.385-B.389	<p>Set of numbered Council papers for 1973, contents of a file.</p> <p>5 folders.</p>	1973

University of Cambridge

B.390-B.391	Set of Council papers for 1978, contents of a file. 2 folders.	1978
B.392	Miscellaneous correspondence and papers relating to Council business.	1968-1978
B.393-B.394	Visit of the University Grants Committee's Biological Sciences Sub-committee to Cambridge, 26 April 1977. Council papers prepared for the visit. 2 folders.	1977
B.395-B.435	MISCELLANEOUS PAPERS	1951-1982
B.395-B.398	Oliver Gatty Fund. The Fund offered studentships for research in biological sciences. Hodgkin appears to have been one of the Electors to the Fund. Correspondence and papers, chiefly <i>re</i> applications. 4 folders.	1951-1981
B.399	H.E. Durham Fund. The Fund gave grants for research in the biological sciences. Hodgkin's involvement in the Fund is not clear. Various papers, chiefly <i>re</i> the management of the Fund.	1952-1960
B.400-B.417	Ernest Oppenheimer Fund. Hodgkin was a member of the Committee of Management from 1970, and was <i>re-appointed</i> 1975-1978.	1970-1978

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University of Cambridge

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Correspondence and papers *re* the business of the Committee. The material was largely arranged by individual meetings.

B.400	General correspondence.	1970-1972
B.401	1st meeting (April 1971).	1971
B.402	2nd meeting (November 1971).	1971
B.403	3rd meeting (April 1972).	1972
B.404	4th meeting (May 1973).	1973
B.405	5th meeting (September 1973).	1973
B.406	6th meeting (March 1974).	1974
B.407	7th meeting (November 1974).	1974
B.408	8th meeting (May 1975).	1975
B.409	9th meeting (February 1976).	1976
B.410-B.411	10th meeting (November 1976). 2 folders.	1976
B.412	11th meeting (February 1977).	1976-1977

University of Cambridge

B.413	General correspondence.	1977
B.414	12th meeting (November 1977).	1977
B.415	General correspondence.	1978
B.416	13th meeting (February 1978).	1978
B.417	Special meeting (August 1978).	1978
B.418	<p>E.J. Bles Fund.</p> <p>The fund supported research on animal embryology. Hodgkin was a Manager of the Fund.</p> <p>General correspondence.</p>	1979
B.419-B.428	<p>'Professorships', contents of a box so inscribed.</p> <p>The titles of the individual files (where inscribed) are given below.</p>	1970-1982
B.419	<p>'Plummer Chair'.</p> <p>The John Humphrey Plummer Foundation instituted a number of Plummer Professorships in science at the University of Cambridge. Hodgkin was appointed (1970 and 1973) to an advisory committee to the General Board.</p> <p>Correspondence (mostly 1973-1974) etc chiefly <i>re</i> the establishment of a third Plummer Professorship.</p>	1970-1974, 1978

University of Cambridge

B.420-B.423	<p>Mary Marshall and Arthur Walton Professorship of the Physiology of Reproduction.</p> <p>Hodgkin served as an Elector.</p> <p>Correspondence and papers <i>re</i> candidatures.</p> <p>4 folders.</p>	1975-1976
B.424-B.427	<p>'Chair of Zoology'.</p> <p>Hodgkin served on the Board of Electors.</p> <p>Correspondence and papers (chiefly 1976-1977) <i>re</i> candidatures.</p> <p>4 folders.</p>	1976-1980
B.428	<p>Chair of Experimental Psychology.</p> <p>One letter only asking Hodgkin to serve on the Board of Electors to this professorship.</p>	1982
B.429-B.435	<p>Miscellaneous papers.</p> <p>Various files whose titles are reproduced below.</p>	1959-1976
B.429	<p>'University and colleges'.</p> <p>Correspondence <i>re</i> various matters including research grants and a proposed European Laboratory for Fundamental Biology.</p>	1959-1976
B.430	<p>'Board of Graduate Studies'.</p> <p>Correspondence and papers <i>re</i> Hodgkin's role as an assessor and examiner for PhD degrees.</p>	1960-1967
B.431	<p>'Student business'.</p> <p>Letter and a few papers chiefly <i>re</i> departmental committees.</p>	1969

University of Cambridge

B.432-B.435

'King's Fellowships'.

1969-1971

Correspondence and papers *re* applications for Junior
Research Fellowships at King's College Cambridge.

4 folders.

Catalogue of the papers and correspondence of

Sir Alan Lloyd Hodgkin OM FRS

(1914 - 1998)

VOLUME 2

Section C, Research

by Simon Coleman, Peter Harper and Timothy E. Powell

NCUACS catalogue 136/1/05

SECTION C	RESEARCH, C.1-C.1127	1934-1991
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C.1-C.105 NOTEBOOKS

C.106-C.1127 FILES FOR EXPERIMENTAL AND
THEORETICAL WORK

C.1-C.105	NOTEBOOKS	1934-1987
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C.1-C.67 Experimental notebooks

C.68-C.105 Theoretical and general notebooks

C.1-C.67	Experimental notebooks	1934-1986
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The notebooks chiefly cover experimental work carried out at the Physiological Laboratory, University of Cambridge, and the Marine Biological Association laboratory, Plymouth. Hodgkin's first summer at the MBA was in 1939 when he worked for the first time with A.F. Huxley on squid nerve fibre. After the interruption of the war years their work resumed at Plymouth in 1947 and was completed by the publication of five papers in 1952.

Where known, information on the nature of the experiments is given. The contents are chiefly tables of experimental results, often with notes on the details of particular experiments, with diagrams and calculations etc. Dates, where found, are sometimes inscribed at the top of a page, on the cover, or on pages, though some notebooks have no dates on them. Intercalated pages of notes or graphs are also found. Entries in the hands of others, chiefly A.F. Huxley and B. Katz, frequently appear.

Pagination given where found.

Arranged chronologically.

C.1	Hardback notebook.	
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Re Hodgkin's first research on nerve action in his final year as an undergraduate. Included are notes on experiments to block conduction in frog's nerve.

		October - December 1934
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Research

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At the front are loose pages of notes giving an account of the experiments up to Christmas 1934.

Paginated 1-35.

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|-----|---|------------------------------|
| C.2 | Spiral bound notebook. | 1935 |
| | Contains photographic data, attached to pages with adhesive, and accompanying manuscript notes. | |
| C.3 | Spiral bound notebook. | December 1935 - July 1936 |
| | Included are notes on further 'blocking' experiments (see C.1). | |
| | Paginated 1-89. | |
| C.4 | Hardback notebook. | October 1936 - |
| | Included are notes on further 'blocking' experiments (see C.1 and C.2). | [?November] 1937 |
| | Paginated 1-52. | |
| C.5 | Hardback pocket notebook. | July 1938 |
| | Used by Hodgkin during his year at the Woods Hole Marine Laboratory, Massachusetts, USA, 1937-1938. | |
| | <i>Re</i> experiments on squid nerve fibres. | |
| | Paginated 1-80. | |
| C.6 | Softback pocket notebook. | June [?1938] - December 1938 |
| | Possibly used, in part, at the Woods Hole Marine Laboratory before Hodgkin returned to Cambridge in the summer of 1938. | |

Research

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|-----------|--|-----------------------------------|
| C.7 | <p>Spiral bound hardback notebook.</p> <p>Used at Trinity College Cambridge and, during the summer, at the Marine Biological Association, Plymouth.</p> <p><i>Re</i> experiments on squid nerve fibres, including early work at Plymouth.</p> <p>Paginated 1-11. Most of the notebook is unpaginated.</p> | <p>February -
August 1939</p> |
| C.8 | <p>Softback notebook.</p> <p>Includes notes <i>re</i> experiments on lobster nerve. A few brief notes only are dated 1945.</p> <p>Some pages are in a hand other than Hodgkin's.</p> <p>Paginated 1-68.</p> | <p>May - June
1939, 1945</p> |
| C.9 | <p>Softback notebook.</p> <p>Includes notes <i>re</i> experiments on lobster nerve. A few additional notes only are dated 1945 (June-August).</p> <p>Paginated 1-7. Most pages are unpaginated.</p> | <p>May - June
1939, 1945</p> |
| C.10 | <p>Hardback notebook.</p> <p><i>Re</i> early experiments on squid nerve fibre at Plymouth.</p> <p>Notes on one page summarize the results thus: 'These results suggest that a revision of the membrane theory is required. Instead of the simple picture of membrane breakdown of a potential we must suppose that the membrane changes in such a way that the resting potential is reversed during activity.'</p> <p>A few additional notes only are dated 1940.</p> <p>Paginated 1-39.</p> | <p>August 1939,
1940</p> |
| C.11-C.12 | <p>These two notebooks were found to be stuck together with adhesive and could not be physically separated. They are described below as two separate items.</p> | <p>1939, 1946</p> |

Research

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|------|---|-------------------------------|
| C.11 | Softback notebook.

Rough notes <i>re</i> early experiments on squid at Plymouth.

Paginated 1-7. Most pages are unpaginated. | August 1939 |
| C.12 | Softback pocket notebook. | 1946 |
| C.13 | Hardback notebook.

Includes notes <i>re</i> experiments on crab nerve fibres with regard to the action of potassium.

Paginated 1-166. | August 1945
- May 1946 |
| C.14 | Softback pocket notebook.

Rough notes. | November
[?1945] -
1946 |
| C.15 | Softback pocket notebook.

Rough notes. | December
[?1945] -
1946 |
| C.16 | Hardback notebook.

Some notes are in a hand other than Hodgkin's. | May - July
1946 |
| C.17 | Hardback notebook.

Included also is an envelope, intercalated, inscribed 'Sodium experiments Jan 1947 - tidy notebook'. See C.18 - the corresponding 'rough notebook'.

Paginated 1-126. | May 1946 -
May 1947 |
| C.18 | Hardback notebook.

Includes notes on early sodium experiments. | July 1946 -
1947 |

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Research

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Included also is an envelope, intercalated, inscribed 'Sodium experiments Jan 1947 - Rough notebook. See Tidy note book [C.17]'.

Some notes are in a hand other than Hodgkin's.

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|------|--|---|
| C.19 | Hardback notebook inscribed 'Tidy notebook May 20 1947 - 10 Aug 1948' on cover.

Inside front cover is an envelope inscribed 'Sodium experiments May 20 1947 - '. | May - August
1947 |
| C.20 | Hardback notebook.

Near the front is an envelope inscribed 'Sodium experiments July 4 1947. Rough notebook'.

Paginated 1-95. | July-
September
1947 |
| C.21 | Softback pocket notebook.

Rough notes, many in hands other than Hodgkin's. | September
1947 -
August 1948 |
| C.22 | Hardback pocket notebook.

Rough notes. A few brief notes only are dated 1949. | August -
September
1948, August
1949 |
| C.23 | Hardback notebook.

<i>Re</i> experiments on [? squid] axons.

Most of the pages are unused. | August -
November
1948 |
| C.24 | Spiral bound softback notebook.

The name 'W.L. Nastuk' is inscribed at the top of the first page, above the heading 'Determination of cathode resistance'. Most of the notes are in the same hand.

Includes notes <i>re</i> the action of sodium on frog <i>sartorius</i> nerve fibre. | September -
December
1948 |

Research

C.25	Hardback notebook. Inscribed 'Sartorius Muscle 1948. Duplicate of W.L.N. [?W.L. Nastak] 's notebook'. Most of the pages are unused.	October 1948
C.26	Hardback notebook. <i>Re</i> experiments on frog <i>sartorius</i> nerve fibre. Notes are in the same hand as those in C.24. Most of the pages are unused.	October - November 1948
C.27-C.28	These two notebooks were found stuck together by adhesive and could not be separated.	1948-1949
C.27	Small softback notebook. Included are references to experiments using the 'voltage clamp'. The notes are in hands other than Hodgkin's.	December 1948 - July 1949
C.28	Exercise book. <i>Re</i> experiments on squid nerve fibre, with reference to the 'voltage clamp'. The notes are in hands other than Hodgkin's.	23-28 July 1949
C.29	Exercise book. This appears to be a continuation of C.28. The notes are in hands other than Hodgkin's.	July-August 1949
C.30	Hardback notebook. This appears to be a continuation of C.29. The notes are in hands other than Hodgkin's.	August 1949

Research

C.31	Hardback notebook. Most notes in a hand other than Hodgkin's.	September 1949 - October 1950
C.32-C.34	'Notebooks 1939-1949', contents of a box so inscribed.	1939-1949
C.32	Exercise book. Rough notes.	1939-1949
C.33	Hardback pocket notebook. Some notes in a hand other than Hodgkin's. Paginated 81-114.	1939-1949
C.34	Large exercise book. Some notes in a hand other than Hodgkin's. Most of the pages are unused.	1939-1949
C.35	Hardback notebook. Includes notes <i>re</i> experiments on cuttlefish nerve fibre.	October- December 1950
C.36	Hardback notebook. Included are notes <i>re</i> experiments on cuttlefish nerve fibre. Paginated 1-65.	October 1951 - May 1952
C.37	Large hardback notebook. <i>Re</i> experiments on squid and cuttlefish nerve fibres.	September 1952 - February 1954

Research

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| C.38 | Softback pocket notebook.
<i>Re</i> experiments on squid nerve fibres. | September
1952 |
| C.39 | Large hardback notebook.
<i>Re</i> experiments on squid nerve fibres. | July 1953 -
January 1954 |
| C.40 | Large hardback notebook.
<i>Re</i> experiments on squid nerve fibres.

Some notes are in a hand other than Hodgkin's. | August-
November
1954 |
| C.41 | Large hardback notebook.
<i>Re</i> experiments on squid nerve fibres. | October 1954
- February
1955 |
| C.42 | Large hardback notebook.
<i>Re</i> experiments on squid nerve fibres. | October 1954 |
| C.43 | Large hardback notebook.
<i>Re</i> experiments on squid nerve fibres.

At the back are loose notes dated September 1954,
possibly taken from another notebook.

Some notes in a hand other than Hodgkin's.

Paginated 1-212. | May-
December
1955 |
| C.44 | Large hardback notebook.

Inscribed 'Muscle I. 1955-1956. Hodgkin & Horowicz'
inside front cover. Included are notes <i>re</i> experiments on
frog muscle.

Some notes in a hand other than Hodgkin's. | October 1955
- May 1956 |

Research

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| C.45 | Large hardback notebook.

Inscribed 'Muscle 2. 1956. Hodgkin & Horowicz' inside front cover.

Some notes are in a hand other than Hodgkin's. | May-
December
1956 |
| C.46 | Large hardback notebook.

Inscribed 'Muscle 3. 1956-7. Hodgkin & Horowicz' inside front cover.

Some notes are in a hand other than Hodgkin's. | October 1956
- March 1957 |
| C.47 | Large hardback notebook.

Inscribed 'Muscle 4 ([?Tracer]) 1957. H. Horowicz' inside front cover. Included are notes <i>re</i> experiments on frog muscle.

Some notes are in a hand other than Hodgkin's. | March-
October 1957 |
| C.48 | Large hardback notebook.

Inscribed 'Muscle 5 (some [?Tracer]) 1957. H. Horowicz' inside front cover.

Some notes are in a hand other than Hodgkin's. | October-
December
1957 |
| C.49 | Large hardback notebook.

Inscribed '1958 Hodgkin, Caldwell, Shaw. Arg P & ATP injection' on cover. Inscribed 'Added 1987. Exp Sept 1958 - Jan 12 1959. Some notes added by [?RDK]' inside cover. <i>Re</i> experiments on squid.

Most notes are in hands other than Hodgkin's. | September
1958 -
January 1959 |
| C.50 | Hardback notebook.

Inscribed '1959 Caldwell Hodgkin Keynes Shaw p ³² etc squid' on spine.

A few intercalated pages are dated October 1960. | December
1958 -
December
1959 |

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| C.51 | <p>Large hardback notebook.</p> <p>Inscribed '1959-1961. Tracer & perfusion I' inside front cover.</p> <p>Most notes are in hands other than Hodgkin's.</p> <p>Paginated 1-202.</p> | <p>November 1959 - January 1961</p> |
| C.52 | <p>Large hardback notebook.</p> <p>Inscribed '1960-64. Summary of first perfusion exp on squid TIS, PFB (& ALH). Also single muscle fibre exp with Luttgau. Also ?exp with Conrad Martin on C¹⁴ chlorine in squid?' inside front cover.</p> <p>The notes appear to relate to experiments in 1960 and 1964 only.</p> <p>Most notes are in hands other than Hodgkin's.</p> <p>Paginated 1-37. Most pages are unpaginated.</p> | <p>October 1960- [c.November 1964]</p> |
| C.53 | <p>Large hardback notebook.</p> <p>Inscribed '1961. Perfusion 2' inside front cover.</p> <p>Most notes are in a hand other than Hodgkin's.</p> <p>Paginated 1-171.</p> | <p>September-December 1961</p> |
| C.54 | <p>Spiral bound softback notebook.</p> <p>First page headed 'Woods Hole 1962'.</p> <p>Notes <i>re</i> early experiments on vision.</p> | <p>June-July 1962</p> |
| C.55 | <p>Large hardback notebook.</p> <p>Inscribed 'Perfusion 3' inside cover. <i>Re</i> experiments on squid.</p> <p>Most notes are in hands other than Hodgkin's.</p> <p>Paginated 1-207.</p> | <p>October-November 1962</p> |

Research

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| C.56 | <p>Large hardback notebook.</p> <p>Inscribed 'Perfusion 4. 1962-3' inside front cover. <i>Re</i> experiments on squid.</p> <p>Many notes are in hands other than Hodgkin's.</p> <p>Paginated 1-63.</p> | <p>December 1962 - January 1963</p> |
| C.57 | <p>Large hardback notebook.</p> <p><i>Re</i> experiments on squid.</p> <p>Some notes are in a hand other than Hodgkin's.</p> <p>Paginated 1-92.</p> | <p>November 1964 - January 1965</p> |
| C.58 | <p>Large hardback notebook.</p> <p>Included are notes <i>re</i> experiments on frog <i>sartorius</i>.</p> <p>Paginated 1-99.</p> | <p>November 1965 - October 1966</p> |
| C.59 | <p>Large hardback notebook.</p> <p>Inscribed 'M.P. Blaustein & A.L. Hodgkin' inside front cover. First page headed 'Ion Fluxes in <i>Ioligo forbesi</i>. Book III'. <i>Re</i> experiments on squid.</p> <p>Some notes are in a hand other than Hodgkin's.</p> <p>Paginated 1-119.</p> | <p>November 1966 - January 1967</p> |
| C.60 | <p>Large hardback notebook.</p> <p>Inscribed 'Squid calcium studies 1967' on spine.</p> <p>Some notes are in a hand other than Hodgkin's.</p> <p>Paginated 1-200.</p> | <p>July 1967 - March 1968</p> |

Research

- C.61 Large hardback notebook. August-
December
1971
- Inscribed 'Turtle retina I' on the cover and 'Baylor & H. 1971' on the spine. Included at the front are a few notes dated 1967.
- Most notes are in a hand other than Hodgkin's.
- Paginated 1-208.
- C.62 Large hardback notebook. December
1971 - May
1972
- Inscribed 'Turtle retina II. Dec 1971 - May 1972' on cover. Inscribed 'B & H' on spine.
- Most notes are in hands other than Hodgkin's.
- Paginated 1-212.
- C.63-C.64 Contents of a file inscribed 'Copy of PBD lab book Nov 16 - July 4 1977'. November
1976 - July
1977
- Loose pages of photocopied notes in a hand other than Hodgkin's.
- Re* experiments on vision using turtle retinas.
- 2 folders.
- C.65 Large hardback notebook. August 1977
- May 1978
- Inscribed 'A.L. Hodgkin & P. McNaughton. Note book 3 of PD, PMcN, ALH series'.
- Re* experiments on vision using turtle retinas.
- Most notes are in hands other than Hodgkin's.
- Paginated 1-72.
- C.66 Large hardback notebook. May 1980 -
July 1982
- Inscribed 'ALH, PMcN & K W Y [K-W Yau]'. *Re* experiments on vision.

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Research

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Most notes are in hands other than Hodgkin's.

Paginated 1-83.

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| C.67 | Large hardback notebook.

Inscribed 'Hodgkin McNaughton & Nunn. Experiments Oct 1982-'. <i>Re</i> experiments on vision using toads.

Notes are in a hand other than Hodgkin's.

Paginated 1-188. | October 1982
- October
1986 |
| C.68-C.105 | Theoretical and general notebooks

These notebooks chiefly contain theoretical notes, usually with reference to published work by others, as background to Hodgkin's experimental work. Intercalated notes etc are found.

In Hodgkin's hand unless otherwise stated.

Sometimes the covering dates are inscribed on the cover or inside. | 1940-1987 |
| C.68 | Hardback notebook.

Inscribed 'Radar notebook kept at St Athan Feb-April 1940 (Added July 1981)' inside front cover.

<i>Re</i> electro-magnetic radiation.

Hodgkin worked on airborne radar during World War Two. He was stationed at St Athans, South Wales, November 1939-May 1940. | February -
April 1940 |
| C.69 | Exercise book.

<i>Re</i> nerve axons. | c.1941-1949 |

Research

C.70	Large hardback notebook. Inscribed 'Nerve etc 1950 - ' The notes appear to be chiefly on muscle.	c.1950-1967
C.71-C.85	Contents of five ring binders. These binders were identical in appearance and were probably all written 1950-1953 and c.1952. Only some could be dated by inscriptions.	1950-1953
C.71-C.74	Contents of a ring binder. Inscribed '1950 - ' inside front cover. <i>Re</i> nerve, muscle and other physiological topics. 4 folders.	1950-c.1952
C.75-C.77	Contents of a ring binder. Inscribed '1953' and 'end ? 1952' inside cover. <i>Re</i> general physiology. 3 folders.	1952-1953
C.78-C.80	Contents of an unmarked ring binder. <i>Re</i> general physiology.	c.1952
C.81-C.82	Contents of an unmarked ring binder. <i>Re</i> nerve action and general physiology. 2 folders.	c.1952
C.83-C.85	Contents of an unmarked ring binder. <i>Re</i> nerve and muscle. 3 folders.	c.1952

Research

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| C.86 | Small softback notebook.

<i>Re</i> nerve physiology. | c.1952 |
| C.87 | Large hardback notebook.

Chiefly <i>re</i> nerve and muscle.

Included is a letter from [?Reinhard] [?], 1957. | 1954-c.1957 |
| C.88 | Large hardback notebook.

Chiefly <i>re</i> muscle and nerves.

Included at the beginning are letters from various scientists relating to work on nerve axons and vision. | c.1956-1960 |
| C.89 | Large hardback notebook.

Inscribed 'Theory 1959-1969' on cover and 'Theory. Early Na/Ca Exchange Theory' on spine.

A note in Hodgkin's hand relating to an experiment on squid at Plymouth is written inside the front cover.

Paginated 1-13. Some pages are unpaginated. | 1959-1969 |
| C.90 | Large hardback notebook.

Inscribed 'Physics I 1960-1965' on cover.

<i>Re</i> particle physics.

Paginated 1-71. | 1960-1965 |
| C.91 | Large hardback notebook.

<i>Re</i> muscle, nerves, vision and other topics. One page is headed 'For Sherrington Lectures'. | 1961 |

Research

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| C.92 | Large hardback notebook.

<i>Re</i> nerve, muscle and general physiology.

Paginated 1-187. | c.1963-
c.1971 |
| C.93 | Softback ring bound notebook.

Chiefly <i>re</i> vision. | September
1971 - May
1972 |
| C.94 | Ring bound softback notebook.

Inscribed 'Jan 1973 (perhaps June 1972) - Sept 1973'.
<i>Re</i> vision and other topics. | [?June 1972]
- September
1973 |
| C.95 | Hardback notebook.

<i>Re</i> vision, nerve and other topics.

Paginated 1-159. | c.[September
1973 -
September
1974] |
| C.96 | Hardback notebook.

Chiefly <i>re</i> vision.

Paginated 1-116. | 1973 - 1974 |
| C.97 | Large hardback notebook.

Chiefly <i>re</i> vision. | December
1974 -
September
1975 |
| C.98 | Large hardback notebook.

Included are notes on following: the history of science in the USA under a heading 'Royal Society of Arts 12.xi.75'; the Royal Society Anniversary Address, 1975; vision.

Paginated 1-122. | September
1975 - March
1976 |

Research

C.99	Large hardback notebook. Chiefly <i>re</i> vision. Paginated 1-150.	March 1976 - July 1977
C.100	Large hardback notebook. Notes <i>re</i> Hodgkin's Royal Society Biographical Memoir of Lord Adrian. Also notes <i>re</i> vision and other topics. Paginated 1-181.	August 1977 - April 1979
C.101	Hardback notebook. <i>Re</i> vision and other topics. Inscribed 'April 1979-' Paginated 1-157.	c. April 1979
C.102	Large hardback notebook. <i>Re</i> vision and nerve. Paginated 1-133.	January 1980 - January 1982
C.103	Large hardback notebook. Chiefly <i>re</i> vision. Paginated 1-155.	January 1982 - February 1985
C.104	Large hardback notebook. Chiefly <i>re</i> vision and squid nerve fibres. Paginated 1-163.	February 1985 - December 1986
C.105	Large hardback notebook. <i>Re</i> vision. Paginated 1-161.	December 1986 - 1987

Research

C.106-C.1127	FILES FOR EXPERIMENTAL AND THEORETICAL WORK	1935-1991, nd
	<p>The large number of files relating to experiments on nerve, muscle and vision from various periods has necessitated their division into the groups listed below. 'Early research' includes material up to 1939. Material from inscribed box files post-1939 and other pre-1952 files (1952 being the year of the publication of Hodgkin and Huxley's five papers on the nerve impulse) has been placed in 'Various topics'. 'Later experiments and theory (chronological series)' is the largest group and largely comprises papers of similar format dating from 1960.</p>	
	C.106-C.156	Early Research
	C.157-C.308	Various topics
	C.308A-C.1120	Later experiments and theory (chronological series)
	C.1121-C.1127	'Circuits'
C.106-C.156	Early research	1935-1939
C.106-C.128	<p>'Electrical transmission 1936-7', contents of a box file so inscribed.</p> <p>Papers relating to Hodgkin's experiments, begun in his final undergraduate year (1935), on blocking conduction in frog's nerve by cooling.</p> <p>Files containing manuscript data and notes <i>re</i> experimental results and photographic data (contained in inscribed envelopes).</p> <p>Inscriptions on files are given below.</p>	1935-c.1938
C.106-C.111	<p>'Pi [Greek letter] effect'.</p> <p>The material in C.106 was the contents of a separate internal file inscribed 'Special relations of pi and theta effects'. A number of dates are also inscribed on this file: the earliest being '2.12.35'; the latest being '20.3.36'.</p> <p>6 folders.</p>	<p>November 1935 - June 1936</p>

Research

C.112	'Apparatus'.	February- May 1936
C.113-C.114	'Time relations'. 2 folders.	June-July 1936
C.115-C.118	'Spatial distrib. Art[ificial] E, Nat[ural] E. Changes in thresh[hold]. Long vac. Michaelmas'. 4 folders.	July - December 1936
C.119-C.122	'Time relations - cold block. Michaelmas 1936'. 4 folders.	October - November 1936
C.123	'Time curves pressure block'.	November - December 1936
C.124	'Artificial and natural [?electrotonus]. Potential and change in threshold. Mostly December 1936.' Chiefly December 1936.	March - December 1936
C.125	'Calibration. Linearity of recording system. May 28, 30'.	May [1936 or 1937]
C.126	Loose papers. Experimental results etc, in the same format as those in C.106-C.125.	December 1936
C.127-C.128	Miscellaneous papers. <i>Re</i> experimental results. Chiefly photographic material. 2 folders.	c.1937-1938

Research

C.129-C.155	<p>'Local response data N.Y. 1937-1938', contents of a box file so inscribed.</p> <p>Files consisting almost entirely of manuscript graphs of experimental results. Accompanying manuscript notes are occasionally found. Dates are often found on the graphs.</p> <p>Inscriptions on files are given below.</p>	1937-1938
C.129	<p>'Some Cambridge experiments'.</p> <p>A further inscription 'Archibald Roberts' is inside the file cover.</p>	August 1937
C.130	<p>'Callinect[u]s. October 21 and 22. Development of LR. Cf LR & AP & propagated AP'.</p>	October 1937
C.131	<p>Untitled file.</p>	October 1937
C.132	<p>'October 30th'.</p> <p>A further inscription 'Ligie Souffront' is inside the file cover.</p>	October 1937
C.133	<p>'Nov 3. Development of LR. Supernormal phase'.</p>	November 1937
C.134	<p>'Nov 9th 1937'.</p>	November 1937
C.135	<p>'November 13th and 14th. Development of LR. Polarisability during [?spike]. Nov 14th. Controls. Shock artefacts (electrode polarisation on dead nerve)'.</p>	November 1937
C.136	<p>'November 16th 1937. Development of LR in supernormal phase and refractory period'.</p>	November 1937

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C.137	'Nov 26th. LR development A B. Extent of spread of LR'.	November 1937
C.138	'Dec 6th. Polarisability during [?spike]'.	December 1937
C.139	'Supernormal phase Dec 7th'.	December 1937
C.140	'December 10th 1937'.	December 1937
C.141	'[?] Refractory P'.	December 1937
C.142	'December 10th. Development of LR'.	December 1937
C.143	'Relative amplitudes data'.	December 1937 - January 1938
C.144	'Spatial spread'.	December 1937 - December 1938
C.145	'Calibrations'.	January 1938
C.146	'Jan 28 1938. LR & Excitability'.	January 1938
C.147	'Feb 2 1938. Refractory period of local response. Nerve treated with 10cc 1.15gm% KCl per 100cc sea water'.	February 1938

Research

C.148	'Polarization potential. Effect of alcohol. Feb 15th'.	February 1938
C.149	'Short interpolar distance experiment'.	1937 or 1938
C.150	Untitled file.	1937 or 1938
C.151	Untitled file.	1937 or 1938
C.152	'Excitability curves'. Printed graphs.	1937 or 1938
C.153	'Impedance change. LR has Ref: P'. Graphs and photographic data.	1937 or 1938
C.154	'Old photographs'. Photographs, chiefly of nerve axons.	1938
C.155	Loose papers, chiefly manuscript graphs.	1937 or 1938
C.156	'Early data on Carcinus May 1939'. Manuscript graphs with calculations and notes.	1939

Research

C.157-C.308	Various topics	1942-1991, nd
	<p>Contents of a series of inscribed box files and other files. A small amount of material relating to Hodgkin's work during World War Two is also included at C.157.</p> <p>The contents of the box files are further constituent files (and some loose material), most with titles of topics or dates of experiments inscribed on the cover.</p>	
C.157	<p>Papers relating to Hodgkin's work during World War Two.</p> <p>Copies of official documents <i>re</i> Airborne Interception radar.</p> <p>See C.1121-C.1127 for further papers relating to wartime work.</p>	1942-1943
C.158-C.159	'Miscellaneous calculations', contents of a file so inscribed.	c.1945
C.158	Letters to Hodgkin from Andrew Huxley <i>re</i> experiments on nerve and mathematical solutions; personal matters are briefly mentioned.	March 1945
C.159	Theoretical notes and calculations, in Hodgkin's hand, concerning experiments on nerve.	c.1945
C.160	<p>'Chemical data', contents of a file so inscribed.</p> <p>Chiefly manuscript data <i>re</i> experiments on frog nerve.</p>	c.1945
C.160A	<p>'Electrical measurements', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1946
C.161-C.163	<p>Experiments on the electrical activity of muscle.</p> <p>Manuscript experimental data, some rough.</p>	December 1948

Research

C.161	'Sodium experiments', contents of a file so inscribed.	December 1948
C.162-C.163	'Muscle 1948. Sodium experiments', contents of a file so inscribed. 2 folders.	December 1948
C.164	Contents of a file inscribed '18.8.48'. Experimental data. In A.F. Huxley's hand.	August 1948
C.165	Contents of a file inscribed 'W.L.N. Measuring grids Oct-Nov 49 [sic]' Manuscript graphs in a hand other than Hodgkin's. Dates (1948) are inscribed on the papers.	October- November 1948
C.166	'Cathode follower oscillations 1948', contents of a file so inscribed. Brief manuscript theoretical notes.	1948
C.167	'Calculations about microelectrodes 1948-1949', contents of a file so inscribed. Manuscript theoretical notes entitled as above; later correspondence on the same subject, chiefly with J.C. Eccles, 1955, 1962.	1948-1949, 1955, 1962
C.168-C.182	'Voltage clamp (1). Summary expts. Notes on numerical methods and calculations', contents of a box file so inscribed. The titles of the files are reproduced below. Dates sometimes appear on papers within the files.	1949-c.1951

Research

C.168	<p>'Axon II'.</p> <p>Notes on experiments and theory, with graphs.</p> <p>In A.F. Huxley's hand.</p>	June 1949 - May 1950
C.169-C.171	<p>'24.7.49 Axon II'.</p> <p>Experimental data, notes and graphs.</p> <p>In A.F. Huxley's hand.</p> <p>3 folders.</p>	July 1949
C.172-C.174	<p>'24.7.49 Axon I'.</p> <p>Experimental data, notes and graphs.</p> <p>In A.F. Huxley's hand.</p> <p>3 folders.</p>	July 1949
C.175-C.176	<p>'Summary'.</p> <p>Manuscript experimental data and notes. The first paper is headed 'June-August 1949. Squid - Summary of experiments'.</p> <p>2 folders.</p>	June-August 1949
C.177	<p>Loose pages of experimental data and notes.</p> <p>This material appears to be related to the experiments covered in C.168-C.174.</p> <p>Chiefly in Hodgkin's hand.</p>	July 1949
C.178-C.182	<p>'Currents carried by sodium and potassium ions through the membrane of the giant axon of Loligo', a paper by Hodgkin and A.F. Huxley.</p> <p>Contents of a file inscribed 'Paper 2 draft'.</p>	[?1949 or 1950]

Research

C.178-C.179	Two 35pp typescript drafts with revisions in A.F. Huxley's hand. 2 folders.	[?1949 or 1950]
C.180	Manuscript drafts of figure legends etc and data, with one page of another typescript draft of the paper. In A.F. Huxley's hand.	[?1949 or 1950]
C.181	Contents of an unmarked file. Graphs and notes, mostly manuscript.	c.1950
C.182	'Membrane current in nerve'. Notes and experimental data etc, mostly manuscript. Chiefly in Hodgkin's hand.	c.1951
C.183-C.194	'Voltage clamp (2). Summary expts. Notes on numerical methods & calculations', contents of a box file so inscribed. The material consists of manuscript experimental data. It is chiefly in A.F. Huxley's hand, a small amount being in Hodgkin's. Titles of constituent files are reproduced below. This material is closely related to that in C.168-C.182.	July-August 1949
C.183-C.184	'22.7.49. Axon I'. 2 folders.	July 1949
C.185-C.186	'28.7.49'. 2 folders.	July 1949
C.187	'28.7.49'.	July 1949

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C.188	'31.7.49'.	July 1949
C.189	'3.8.49 Axon 2'.	August 1949
C.190	'3.8.49'.	August 1949
C.191	'5.8.49 Axon I'.	August 1949
C.192	'12.8.49' Axon 2'.	August 1949
C.193	'12.8.49'.	August 1949
C.194	Loose manuscript graphs.	July or August 1949
C.195-C.209	'Voltage clamp 1949 exp. Capacity 9k 24.7.49', contents of a box file so inscribed. The material consists of manuscript experimental data and analytical notes. Titles of constituent files are given below.	1949-1951
C.195	'Membrane capacities'.	July 1949
C.196	'20.7.49'.	July 1949
	In A.F. Huxley's hand.	
C.197-C.202	'Gk'.	July 1949
	6 folders.	

Research

C.203-C.205	'24.7.49'. 3 folders.	July 1949
C.206-C.207	'Inactivation'. 2 folders.	August 1949
C.208	Loose pages of manuscript data. Included are the following headings: 'Restoration time constants' and 'Steady state Gk summary'.	July 1949
C.209	'Squid 1949. Misc analysis 1951'.	July 1949, 1951
C.210-C.223	'Theory. Voltage clamp - speculative theory. 1959 Misc. 1960 - Rectif'n. More recent theory - carriers etc. Spreading depression', contents of a box file so inscribed. Titles of files are given below.	1949-1962, nd
C.210-C.211	'Theory'. Theoretical notes and graphs re the squid axon experiments of 1949. 2 folders.	July 1949- [c.June]1950
C.212	'Spreading depression theory' 1959'. Manuscript theoretical notes; correspondence (1960-1962) between Hodgkin and various foreign scientists re his paper on spreading depression.	1959-1962

Research

C.213-C.214	<p>'Delayed rectification theory'.</p> <p>Manuscript notes and data; brief correspondence between Hodgkin and K.S. Cole (1960) <i>re</i> a paper by Cole.</p> <p>2 folders.</p>	c.1960
C.215	<p>'Theory. Carriers [?] choline. Changes in Na⁺ and Li during train of impulses'.</p> <p>Manuscript notes etc.</p>	nd
C.216	<p>'A Theoretical Model of Neurons Transmission', a paper by Hodgkin and A.F. Huxley.</p> <p>17pp manuscript draft headed 'rough draft'; copy of typescript revised version.</p>	nd
C.217	<p>'Fourier and Laplace notes'.</p> <p>Brief manuscript notes.</p>	nd
C.218	<p>Manuscript notes entitled 'Electrical interactions in a Ommatidium retinula cell: linear region'.</p>	nd
C.219-C.223	<p>Loose manuscript notes etc.</p> <p>Headings include 'Capacity of relatively thick membrane', 'Action potential theory - sodium current', 'Oscillatory behaviour'.</p> <p>Included are letters by Hodgkin at C.219 (1954) and C.222 (draft).</p> <p>5 folders.</p>	1954, nd
C.224-C.241	<p>'Muscle. Hodgkin & Horowicz 1961. Contractures: transients. Unpublished osmotic expts', contents of a box file so entitled.</p>	1955-c.1960

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Titles of files are given below.

See D.193-D.207A for publications material relating to these experiments.

C.224-C.227	<p>'Muscle 1955-6. Twitches & tension'.</p> <p>Manuscript experimental data.</p> <p>C.227 consists of the contents of an internal file inscribed 'Stockholm Misc. muscle' and includes photographic data.</p> <p>4 folders.</p>	<p>November 1955-May 1956</p>
C.228-C.230	<p>'Single muscle fibres. Mainly transients'.</p> <p>Manuscript experimental data.</p> <p>3 folders.</p>	<p>March 1956 - November 1957</p>
C.231-C.233	<p>'Osmotic experiments', contents of 2 files so entitled.</p>	<p>1956-1957</p>
C.231	<p>Contents of first file.</p> <p>Manuscript experimental data etc.</p> <p>Some pages are in an unidentified hand.</p>	<p>October- November 1956</p>
C.232-C.233	<p>Contents of second file.</p> <p>Manuscript data, notes and part of a draft.</p> <p>2 folders.</p>	<p>1957</p>
C.234	<p>'Muscle Oct-Nov 1957. Mainly contractions'.</p>	<p>October- November 1957</p>
C.235-C.236	<p>'Transients'.</p>	<p>c.1960</p>

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C.235	<p>'The effect of sudden changes in ionic composition on the membrane potential of single muscle fibres'.</p> <p>Manuscript draft (incomplete) so entitled.</p>	c.1960
C.236	<p>Further manuscript draft pages, data and notes relating to the draft in C.231 or, possibly, to an earlier paper.</p>	c.1960
C.237	<p>'Hodgkin & Horowicz - K contractures'.</p> <p>Correspondence between Hodgkin and P. Horowicz chiefly <i>re</i> their paper on 'potassium contractures' and related work.</p>	1960
C.238	<p>'Hypertonic solutions'.</p> <p>Untitled manuscript draft of a paper (possibly incomplete); manuscript notes.</p>	c.1960
C.239	<p>'Chloride contractures'.</p> <p>Parts of a manuscript draft, or drafts, of a paper.</p>	c.1960
C.240	<p>'Ca on contractures'.</p> <p>A few manuscript pages of a draft paper.</p>	c.1960
C.241	<p>Loose pages of manuscript experimental data.</p>	1956
C.242-C.263	<p>'Limulus 1962-1964', contents of a box file so inscribed.</p> <p>The following papers relate to experiments on vision using the <i>limulus</i> crab by Hodgkin and M.G.F. Fuortes. The work was carried out at the Marine Biological Laboratory, Woods Hole, Massachusetts, USA during the summer of 1962 and was the beginning of Hodgkin's interest in vision.</p>	1957-1964

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Research

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The greater part of the material consists of manuscript experimental data and notes. Correspondence is described where found.

Chiefly in Hodgkin's hand.

Titles of constituent files are given below.

See D.239-D.255 for publications material relating to these experiments.

C.242	'Fuortes. Amer J. Ophthalm. Exp's Nov. 1 1957. Temp about 20 degrees C. In Bethesda'.	November 1957
C.243	'July 20 1959'.	July 1959
C.244	'July 28 1960'.	July 1960
C.245	'Aug. 1 1960'.	August 1960
C.246	'19 June 1962'.	June 1962
C.247	'June 20 1962'.	June 1962
C.248	'June 23'.	June 1962
C.249	'July 4 1962. Unit 2'.	July 1962
C.250	'July 10 1962'.	July 1962
C.251	'July 12 1962. Light adaptation run'.	July 1962
C.252	'July 24, 25 1962'.	July 1962

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C.253	'July 26 1962'.	July 1962
C.254	'Aug 2 1962. Unit 1. p.512-514'.	August 1962
C.255	'Aug 3 1962'.	August 1962
C.256	'Mike Fuortes. August 14 1962'.	August 1962
C.257	'Aug 17 1962'.	August 1962
C.258	'August 26 1962'.	August 1962, 1964
	Included is a letter (1964) to Hodgkin from Fuortes concerning the final draft of a paper.	
C.259-C.260	Contents of an unmarked envelope.	1962-1963
	Letters, with data, to Hodgkin from M.G.F. Fuortes <i>re</i> experiments and the preparation of a related paper.	
	2 folders.	
C.261	'1963 August. Limulus preliminary look at records'.	August 1963
C.262	Contents of an unmarked envelope.	c.1963
	Letter from Fuortes with enclosed figures.	
C.263	Manuscript graph found loose.	November 1957

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C.264-C.267	<p>'Squid . Data. Ca - Na. Ca - Cn. 1966-1968', contents of a file so inscribed.</p> <p>Titles of constituent files are given below.</p>	1966-c.1968
C.264-C.265	<p>'Ca Efflux expts Plymouth'.</p> <p>Manuscript experimental data and graphs.</p> <p>2 folders.</p>	1966-1967
C.266	<p>'Ca - Na. Baker et al. Tables'.</p> <p>Manuscript drafts of data tables for a paper.</p>	c.1968
C.267	<p>Loose material.</p> <p>Pages from a manuscript draft and notes; part of a typescript draft and figures relating to a paper, possibly the one mentioned in C.266.</p>	c.1968
C.268-C.283	<p>'Shroedinger [sic] Eqn. Notes 1973-5 (some 1967-8)', contents of a box file so inscribed.</p> <p>Manuscript theoretical notes. Titles of constituent files are given below.</p>	1965-1991, nd
C.268-C.270	<p>'E.M. waves theory. 1965-7'.</p> <p>3 folders.</p>	1965-1967
C.271	<p>'1972'.</p>	1972
C.272-C.273	<p>'Shroedinger [sic] 1973, 75'.</p> <p>2 folders.</p>	1973-1975
C.274	<p>'Notes on spin and other reading. ?1973'.</p>	?1973

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C.275-C.276	'EM waves. Gravity. Misc & modified Schroedinger eqn. 1975. Notes.'	1975
	2 folders.	
C.277	'Compton scattering. 2 dimensions. 1975'.	1975
C.278-C.279	'Rough c.1975. First two sets look ?interesting. 1986'.	c.1975, [?1986]
	2 folders.	
C.280	'Maths. Vectors in spherical polars and notes on EM waves, density of dipoles etc. Nov. 1976'.	November 1976
C.281	' "Parabolic" oscillations. Schroedinger equation with $v(x) = k[x]$ '.	Nd
C.282	'Reading. Mott & Massey, Dicke & Gittke, Jordan'.	Nd
C.283	Loose manuscript graph.	1991
C.284-C.292	'Retina theory. Misc theory. 1974-1979 and 1980-81, 1982', contents of a box file so inscribed. Manuscript theoretical notes. Titles of constituent files are given below.	c.1974-1982
C.284-C.285	'Misc. theory. $S_f = S_s \times t_i$. Calculation of response area relation from effect of displacing small spot spread in H. cell network or coupled cones. And theory added 1977-8'.	c.1974-1978
	2 folders.	

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C.286-C.287	'Maths - turtle'. 2 folders.	c.1974-1979
C.288	'Independent activation & desensitization. May 1979. & circuit theory'.	1979-1980
C.289	'2 Dimensional array with lateral inhibition and electrical coupling'.	August 1979
C.290	'Cable maths applied to rods'.	c.1979-1982
C.291	'Maths theory'.	c.1979-1982
C.292	Loose manuscript notes. Some notes in a hand other than Hodgkin's.	c.1979-1982
C.292-C.303	'Muscle', contents of a box file so inscribed. All the material relates to experiments on vision. Photocopies of manuscript notes on experiments in a number of different hands. Only later annotations are in Hodgkin's hand.	1974-1985
C.293-C.294	Contents of a ring binder labelled 'PBD-ALH Retina Book I. Nov. '75 to Jan '77'. Annotations in Hodgkin's hand. 2 folders.	1975-1977

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C.295-C.298	<p>Contents of a ring binder inscribed 'Lamb-Simon. Retina Book II. Oct '74 to June '76'.</p> <p>The papers were also inside a file inscribed 'PBD Retina Bk II Feb. 1977'.</p> <p>4 folders.</p>	1974-1975
C.299-C.300	<p>Contents of a ring binder labelled 'Chelhydra rods etc with PD. AP min. End notebook 1+ notebook 2. Nov. 1975'.</p> <p>In the same hand as C.293-C.294. Annotations in Hodgkin's hand.</p> <p>2 folders.</p>	1976-1977
C.301-C.303	<p>Contents of ring binder labelled 'Summary'.</p> <p>Annotations in Hodgkin's hand.</p> <p>3 folders.</p>	1982-1985
C.304-C.308	<p>'Detwiler, Hodgkin & McNaughton 1980. Mainly theory. Rod - current theory', contents of a box file so inscribed.</p> <p>Manuscript theoretical notes etc. Some of the material appears to relate to a published paper.</p> <p>Titles of constituent files are given below.</p>	c.1980
C.304-C.305	<p>'P.McN. Inductive cable & ALH theory'.</p> <p>Included at C.305 is part of a typescript draft paper.</p> <p>2 folders.</p>	c.1980
C.306	<p>'Appendix'.</p>	c.1980
C.307	<p>'High pass filter'.</p>	c.1980

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C.308	'Maths for inductance. re Nature paper'.	c.1980
C.308A-C.1120	Later experiments and theory (chronological series) Much of this material was found organised in a rough chronological sequence. It chiefly consists of experimental data (manuscript and computer-generated), calculations and theoretical notes, many of the papers being similar in format and content. A large proportion of the experiments are on vision.	1960-1988, nd
C.308A-C.308B	'Limulus theory & retina. 1960-65', contents of a file so inscribed. Titles of constituent files as follows:	1960-1965
C.308A	'Latency in Limulus etc'. Manuscript theoretical notes etc; typescript draft entitled 'Problems in the Organization of Rod Vision'.	1960-c.1962
C.308B	'Retinal potential. Theory & draft of theory paper'. Manuscript theoretical notes etc.	c.1962-1963
C.309-C.380	Experiments on muscle, 1965-1967 (chiefly 1966-1967). The following files were found together and relate to experiments on muscle by Hodgkin, R.H. Adrian and W.K. Chandler. Titles of files and their constituent files (where appropriate) are reproduced in the following descriptions. The material consists chiefly of manuscript experimental data, calculations and theoretical notes. A few files appear to relate directly to a published paper or papers. The files covered by C.309-C.359 were labelled in a similar fashion and appeared to form a sequence. Some of the papers are in hands other than Hodgkin's.	1965-1967

Research

C.309-C.310	'Cable Theory and Cole's Theorem. 5.vii.67. Tests of spread of potential and current equation. Simple cable theory. 1965. Theory and analysis of current equation. 5.7.67. Threshold and Cole's Theorem etc'. Titles of constituent files as follows:	1965-1967
C.309	'Muscle. 1965 theory'.	1965
C.310	'5 July 1967. Reel 2'.	July 1967
C.311-C.315	'March 1966. Delayed rectification V(eg)1. ALH some RHA'. Titles of constituent files as follows:	1966
C.311	'15.iii.66'.	March 1966
C.312-C.314	'21, 22, 23 & 24. 3. 66'. 3 folders.	1966
C.315	Loose manuscript graphs etc.	1966
C.316-C.325	'Recently analysed expts'. Titles of constituent files as follows:	c.1966-1969
C.316	'30.vi.66. Inactivation (slow)'.	May-June 1966
C.317	'Muscle 11.v.66'.	May 1966

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C.318	'3 August 1966. Gk inactivation'.	August 1966
C.319-C.321	'Nov. 66. Gargouil'. 3 folders.	1966-1969
C.322	'4845 - 1. Miyamoio'.	1966-1969
C.323	'4865 ALH RHA'.	c.1966-1969
C.324	'079'.	c.1966-1969
C.325	'23 March 1967. Inactivation'.	March 1967
C.326-C.327	'May, June, July 1966. Gk Veg(1) Veg(2). August 1966. Time course of slow 9k from tails'. Titles of constituent files as follows:	1966
C.326	'7 July 1966'.	July 1966
C.327	'11 Aug 1966'.	August 1966
C.328	'Gk inactivation ALH. 3 Aug 66 good. 23 March 67 (4 [?beam]). Gna inactivation RHA. June 1966.' One manuscript graph only.	August 1966

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C.329-C.335	<p>'WKC & RHA (ALH). WKC Misc figures & tables. RHA complete list of expts. RHA 5.xii.66 5007, 5008 creeps. ALH 19.x.66 & WKC 25.x.66 - creeps. RHA 5.xii.66 5011'.</p> <p>There is a further inscription on the cover: 'Knox Oct-Dec 1966. WKC, RHA & ALH'.</p> <p>Titles of constituent files as follows:</p>	<p>October- December 1966</p>
C.329	<p>'19.x.66. 4986 (20 degrees C) - 4991 (2 degrees C). 5mM-K, SO4. No suc[rose]'.</p>	<p>October 1966</p>
C.330-C.331	<p>'25 Oct 1966. 4993-4994 2.5 - K, SO4 no suc[rose]. 4995-4998 2.5 - K, SO4 suc[rose]'.</p> <p>2 folders.</p>	<p>October 1966</p>
C.332	<p>'1 Nov 1966'.</p>	<p>November 1966</p>
C.333	<p>'5 December 1966. 5007 5008'.</p>	<p>December 1966</p>
C.334-C.335	<p>'5 December 1966. 5011'.</p> <p>2 folders.</p>	<p>December 1966</p>
C.336	<p>'RHA July 1967. Slow changes in Gk. 10k & 10R6 - SO4'.</p>	<p>June-July 1967</p>
C.337	<p>'WKC (Mainly). Analysis of anodal creep. Mainly 1967 exp'ts'.</p> <p>All the contents were found in an internal file inscribed 'WKC. Creep. Differentiating check constants'.</p>	<p>1966-1967</p>

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C.338-C.346	<p>'Contraction kinetics. WKC & ALH.</p> <ol style="list-style-type: none">1. SD curves. 136 wide range good. 134 good & others.2. 144 1453. Gk and contraction kinetics.4. Figs for paper.5. <i>Re</i>[?] curve from 1965.6. Skeleton of paper.7. All ALH's photographs <p>Not in order.'</p> <p>Constituent files listed in the order in which they were found. Their titles are as follows:</p>	c.1967-1968
C.338	'Muscle kinetics. Misc sums'.	August 1967
C.339	'Contractions paper. 2 pulse and step experiments'.	August 1967
C.340	'Tables & figs for contraction paper'.	1967
C.341	'Stanfield's exp'ts. S-D curves - muscle. 1967 WKC & ALH'.	1967
C.342	'S-D curves analysis. RHA'.	c.1967
C.343-C.344	<p>'Threshold for delayed rectification & contraction - SO4 solutions'.</p> <p>2 folders.</p>	c.1967
C.345	'Muscle kinetics'. Data kinetics'.	c.1967
C.346	Loose papers.	1967-1968

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C.347-C.355	'Knox Chandler. Figs for paper 3. Summary of 2.5 K ₂ SO ₄ . 19k - SO ₄ '.	c.1967
	Constituent files listed in the order in which they were found. Their titles are as follows:	
C.347	'077'.	c.1967
C.348	'8 Mar 67'.	March 1967
C.349	'049'.	c.1967
C.350	'053'.	c.1967
C.351	'057'.	c.1967
C.352	'084'.	c.1967
C.353-C.354	'Summary of 2.5 KSO ₄ , 1mm spacing'. 2 folders.	c.1967
C.355	'10KSO ₄ '	c.1967
C.356-C.359	'RHA. Constants'. Titles of constituent files as follows:	
C.356-C.357	'WKC. Capacities'. 2 folders.	1967

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C.358-C.359	'Constants'. 2 folders.	c.1967
C.360	'11.v.66. Data for foot of MS. Cole's Theorem fibres. Teorell'.	May 1966
C.361-C.363	'17.v.66 - 18.v.66'. 3 folders.	May-July 1966
C.364	'23 June 1966. WKC analysis. Constancy of V(eg)1'.	June 1966
C.365	'28.vi.66 4891 Veg[?]. 29.vi.66 Inactivation RHA'.	June 1966
C.366	'4.viii.66. 8.viii.66. 9.vii.66. Mainly time course of slow gk component from tails'.	August 1966
C.367	'Areas in transients. Creep'.	October 1966
C.368	'123 5.7.67'.	July 1967
C.368A	'121'.	July 1967
C.369	'120'.	July 1967
C.370-C.371	'MS'. 'Voltage clamp experiments in striated muscle fibre', by Hodgkin, R.H. Adrian and W.K. Chandler, 'Journal of general physiology 51 (suppl.), 1968. See D.272-D.274 for related publications material.	c.1967-1968

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C.370	28pp manuscript draft of the paper (in Hodgkin's hand), with drafts of figure legends.	c.1967-1968
C.371	Typescript revised version.	c.1967-1968
C.372-C.373	<p>'Knox Chandler Theory. Muscle'.</p> <p>Included is a letter to Hodgkin from Chandler (October 1968) arising from the preparation of a paper on muscle (possibly the one described in C.370-C.371), with theoretical notes by Chandler.</p> <p>2 folders.</p>	1968
C.374	'Adrian & Chandler. Chandler Theory. Creep. Diffusion K in tubules etc'.	c.1967
C.375	<p>'Voltage clamp. Methods. Constants. Sodium'.</p> <p>Theoretical notes only.</p>	c.1968
C.376	<p>'Summary of data - muscle. 1966-9'.</p> <p>The material was found in an internal file inscribed 'Slow changes in conductance/permeability'.</p>	1966-c.1969
C.377	<p>Contents of an unmarked file.</p> <p>Data <i>re</i> experiments on muscle. Some pages are headed 'Creep. All SO₄'.</p>	1966-1967
C.378-C.379	<p>Contents of an unmarked file.</p> <p>Titles of constituent files as follows:</p>	c.1969

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C.378	'Nakajima's AP's. Copies sent to Knox'. Letters (1969) from S. Nakajima to Hodgkin <i>re</i> experimental results by the former; manuscript data, notes etc.	1969
C.379	'Nakajima's APs. Copies sent to Knox'. Figures and data.	c.1969
C.380	'ACP top copy'. 40pp typescript draft of a paper (untitled) on the activation of muscle fibres, with figures. No authors' names appear. The paper makes reference to an earlier paper: Adrian, Chandler & Hodgkin (1969).	1969 or later
C.381-C.388	'Calibrations', contents of a box so inscribed. Manuscript data, graphs and notes <i>re</i> experiments on vision. Most of the papers are in hands other than Hodgkin's. Titles of constituent files are as follows:	1971-1973
C.381	'Filter calibration 3 Nov. 1971. Old first attempt. See book'.	November 1971
C.382-C.383	'Interference filter specifications and calibration. 8 Dec. 1971'. Titles of further constituent files as follows:	December 1971-January 1973
C.382	'13/14 July. Checking stimulus calibration in far red end. Schott Depal interference filter characteristics'.	December 1971-July 1972
C.383	Description of calibrations etc'.	January 1973

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C.384	Calibration of light at preparation. 31 Jan & 1 Feb 1972. Also calibration of color [sic] filters & Liebman-Granda spectra. <i>Re-done</i> : 22 April 1972. See 3 May 1972 version'.	January-April 1972
C.385	'3 May 1972. Calibration of stimulus <i>re-done</i> '.	April-July 1972
C.386-C.388	'Spacial sensitivity runs on cones: collected results. Expts of 25 Apr, 29 Apr, 6 May, 10 May, 13 May, 15 May. absolute sensitivities also. Sens Δ need finishing & corrections. Add rod absolute sens 4 July'. Photocopies. 3 folders.	April-May 1972
C.389	'Michaelis fits. 1-19 Jan. 1972. Summary table'. Brief manuscript data (not in Hodgkin's hand) <i>re</i> experiments on vision.	January 1972
C.390-C.399	'Theory', contents of a box so inscribed. Manuscript notes on theory in Hodgkin's hand. Titles of constituent files as follows:	1972-c.1976
C.390-C.391	'Paper 3 theory. Autocatalytic destruc 101[?] theory. Perturbation'. All the material was found in an internal file inscribed 'Tentative theory & draft of theory paper'. Included are pages which appear to be part of a manuscript draft by Hodgkin. 2 folders.	1972
C.392-C.399	'Misc theory. Retina early'. Titles of further constituent files as follows:	c.1974- c.1976

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C.392-C.394	'Autocatalytic destruction theory. Perturbation method for flash on [?stop]'. 3 folders.	c.1974
C.395	'Filtering. Noise & speed of response in linear system'.	c.1974-1976
C.396	'Theory 1976'.	1976
C.397-C.399	'Instantaneous equilib. Michaelis etc'. The papers in C.399 are the contents of an internal file inscribed 'Circuit. Formula for correcting. Michaelis. When not in steady state. Modified Michaelis - substance not in large excess. One sac one channel - exponential form'. 3 folders.	[?c.1976]
C.400-C.407	'Computer runs Jan 19 (1)', contents of a file so inscribed. Chiefly computer print-outs of experimental results. Manuscript data and notes are included. Titles of constituent files as follows:	1972-1974
C.400	'Computer run 1. n=5. For 19 Jan 1972'.	1972
C.401	Computer run 1. n=5. Variants T=15 msec. Wrong data for flashes'.	1972
C.402	'For 19.1.72. Computer run 2 for steps and flashes. n=6'.	1972
C.403	'Overshoot. Computer run of 31 March 1973'. Manuscript notes.	1973

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C.404	'Computer run of full model. Curves available on May 10 & 11 1973. Variable T feedback [?] model'.	1973
C.405	'Computer runs of full model. Model 2. (May 14 1973). Const T feedback. Calculation of integration time and other parameters'.	1973
C.406	'Graphs for fitting. & tables'. Included are pages dated 'July 1962'.	1962, c.1973
C.407	'Economy model (no rate limit). 1) Integration 2) Analytical check'.	January 1974
C.408	'Theory notes. August 1973.'	August 1973
C.409-C.431	'Pseudemys Expts', contents of a box so inscribed. Photocopied manuscript notes and data relating to experiments on vision. Almost all the material is in hands other than Hodgkin's. Titles of constituent files as follows:	1973-1977
C.409-C.412	'Paul O'Bryan. Notebook One'. 4 folders.	June 1973- July 1974
C.413-C.414	'Paul O'Bryan. Notebook Two'. 2 folders.	July- September 1974
C.415	'Red cone - ERP. Jan 22 1974'.	January 1974
C.416	'ERP Expt. 3 red cones. 3 H cells. January 24 1974'.	January 1974

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C.417	'ERP. 1) Green cone few responses 2) Red cone - long run - λ g feedback effect. Feb 5th 1974'.	February 1974
C.418	'1 Red cone ERP. good cell Vmax 15mV. Very stable & quiet. Feb 6 1974'.	February 1974
C.419	'ERP Expt. 2 cones. 1 silent + ERP. 1 green cone (small response). T + s cap comp of electrode. Feb 28th 1974'.	February 1974
C.420	'3 cones. 2 red. 1 red green? Δ I Tung no ERP. 1 N Bipolar - small spot. Large. [?Ann]. displace [?] not completed. May 10th 1974'.	May 1974
C.421	'June 28th. N-Bipolar. Lg spot (1.1mm). Ann (660m - 1.1mm). Small (216m). moving small spot. June 29th. Green cone. Med resp. Vmax = Δ I [?xenon]. ERP time of bleach. 0 cordit 0.6 [ditto] 0.3 [ditto] June 28th, 29th 1974.'	June 1974
C.422	'Red cone. 1) Std. Int run tung. 2) Std Int Xenon on conditioning light. July 3rd 1974'.	July 1974
C.423	'Feb 20 1976 - cone pair #3'.	February 1976
C.424	'Feb 20 1976. Red cone pair #1'.	February 1976
C.425	'Feb 20 1976. Red cone pair #2'.	February 1976

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C.426	'Feb 25th 1976. H cell pair (spiking H. cell?) pairs #1 & #2'.	February 1976
C.427	'Feb 27 1976. Red cone pair #2. Single cone with resistance pulse'.	February 1976
C.428	'Sept 9 1976 (horizontal cell pairs)'.	September 1976
C.429	'Sept 23 1976. Red cone pair #2, #3, #4. Separation - slit method, dye mark'.	September 1976
C.430	'Sept 24 1976. Red cone pair #1, #2'.	September 1976
C.431	Loose pages of data.	1976-1977
C.432-C.450	Experiments on vision. Contents of a box. Chiefly computer-generated data with manuscript annotations. There are also other manuscript data and graphs. Very few papers are in Hodgkin's hand. Titles of files as follows:	1974-1976
C.432	'13 Dec 1974. Red bipolar'.	December 1974
C.433	'Summary. Bipolars. ES & TDL. PD & ALH'.	1974-1976
C.434	'30 Jan '75. Red bipolar #1'.	January 1975
C.435	'19 March '75. Bipol #3'.	March 1975

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C.436	'26 March '75. Bip #1'.	March 1975
C.437	'26 Mar '75 Bip #2'.	March 1975
C.438	'28 May '75. Amacrine?'	May 1975
C.439	'30 May '75. Red bipolar #1'.	May 1975
C.440	'30 June '75. Red bipolar #1 (after C [?] 2 L-cells)'.	June 1975
C.441	'1 July '75. Depol. bipolar #2'.	July 1975
C.442	'7 July '75. Red bipolar #1'.	July 1975
C.443	'17 July '75. Red bipolar #1'.	July 1975
C.444	'1 Aug '75. "Amacrine" #1. Run 167'.	August 1975
C.445	'Amacrine? 16 Jan '76. Run 213'.	January 1976
C.446	'14 Aug '75. Bipolar #1. Run 196, 197, 198'.	August 1975
C.447	'16 Jan '76. Blue cone #1'.	January 1976
C.448-C.450	'Spiking blue cone'. Manuscript graphs with annotations. 3 folders.	January 1976

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C.451-C.471	Experiments on vision. Contents of a box. Manuscript (in hands other than Hodgkin's) and computer-generated experimental data. The material in C.451-C.464 is all photocopied. Titles of constituent files as follows:	1974-1976
C.451	'5 red cones. ERP: but series xenon only. May 11 1974'.	May 1974
C.452	'2 rod cones. Rod ΔI tung (short series). May 14th 1974'.	May 1974
C.453	'5 cones ERP ΔI 2 green , 3 red. 1-N bipolar - slit position. May 17th 1974'.	May 1974
C.454	'May 23rd: no film, only paper record. May 24th: Green cone - paper record only. Film jammed. N-bipolar - slit position. Red cone ERP ΔI xenon. May 23rd & 24th 1974'.	May 1974
C.455	'June 4th 1974. 1 Rod ΔI Tung & single xenon flash. 3 red cones \downarrow ERP on \uparrow INT conditioning light'.	June 1974
C.456	'June 10th, 12th 1974'. June 10th. 2 red cones: single ERP on cond. light (ox). 1 green cone: 4 ERP (0 xenon) on 1.8 + 1.2 cond light. Type II H-cell: 0 xenon on 2.4, 1.2 + 0 cond. light. Red cone - same penetration as H-cell. 2 ERP (0 xenon) on 2.4 cond. June 12th. Type II H cell. 0 xenon c + s cond. light. 1 green cone. ERP (0 xenon). Effect of \uparrow Int. cond. light. Large fast resp. Type I H-cell. 0 xenon c + s cond. light. Good cell. Vmax 50mv'.	June 1974
C.457	'June 18th 1974. 2 red, 1 green - few xenon flashes only. 1 red: recovery of sensitivity following 0 bleach (long: > 1 min)'.	June 1974

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C.458	'July 18th & 19th 1974. Red cone - sensitive cell. Bleaching run c 0, 0.3 + 0.6 bleaches. ΔI xenon	July 1974
C.459	'July 22nd & 23rd 1974. Begin notebook #2. July 22nd: 4 cells. 1) Type II Hcell. X flash on cond. backgrd. 2) Green cone. STD INF Run Tung. 1 x flash on cond. light. 3) Red on double cone (penetrated just after green cells moving electrode). 4) Red cone.	July 1974
C.460	'Aug. 1st 1974. P-bipolar: [triangle] stimulus dimensions + ΔI . Slit position - out only. (good record)'.	August 1974
C.461	'Aug 5th 1974. Red cone : ΔI Tung, ΔI xenon dim & Intermed. light INT, ΔI Tung, ΔI xenon - high levels, ΔI xenon on cond. background'.	August 1974
C.462	'Aug 7th 1974. Red cone: SRD INT run Tung & xenon light (low - INTER INT). High Int xenon run - 00 cond., 1.8 cond. light (low noise cell)'.	August 1974
C.463	'August 10th 1974. Cell #1. N-bipolar. ΔI Tung with diff. spot dimensions (not traced). Slit movement. Cell #2. Green cone. ΔI Tung (STD run). ΔI xenon (dim - inter). ΔI xenon - 00c, bright'.	August 1974
C.464	'Sept. 12th 1974. 2 red cones (noisy!). STD INT runs tung & xenon'.	September 1974
C.465	'Jan. 12 1976. Bipolar'.	January 1976
C.466	'Oscillating bipolar. Jan 14 1976'.	January 1976
C.467	'Aug 24 1976. Bipolar...not very good'.	August 1976

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C.468-C.469	'Bipolars. Digitalising runs 947 thru 957. #1, #2, #3 (depol), #4 - 23-9-76. #5, #6 - 24-9-76'. 2 folders.	September 1976
C.470	'Wiring diagram & flow charts. ALH lab (PD's script). Information about copying tapes'.	1974-1976
C.471	Loose material.	1975
C.472-C.489	Experiments on vision. Contents of a box. Almost all the material is dated 1976. Manuscript and computer-generated experimental data. Some photocopies. Most manuscript papers in hands other than Hodgkin's. Titles of constituent files as follows:	1974-1976
C.472	'Sept 18th 1974. 2 red cones. 1) a. Sensitisation b. ΔI xenon on condit. light. R & M flashed simultaneously. 2) a. Sensit. run b) Recovery ERP to OXr following OXm flash'.	September 1974
C.473-C.476	'Coupling expts. Spatial data & IV data'. Titles of constituent files as follows:	1976
C.473	'Current voltage curves'.	February- April 1976
C.474	' "Does hypapolarisation Δ the time to peak" signal ave. data.'	March-April 1976
C.475	'Dye marking cells for cone coupling: Lucifer'.	September 1976

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C.476	'Spatial profiles: to be fit to scatter function'.	November 1976
C.477-C.484	Unmarked file. Titles of constituent files as follows:	1976
C.477	'April 21 1976 Rod'.	April 1976
C.478-C.480	'Rod. June 1. Photon noise'. 3 folders.	June 1976
C.481	'Data summary sheets. Rod: photon noise'.	June 1976
C.482	'June 2 1976. Rod. Photon noise'.	June 1976
C.483	'August 25 1976. Rod #1, rod #2 - photon noise'.	August 1976
C.484	'August 27 1976. Cone (red). Photon noise expt'.	August 1976
C.485-C.489	Unmarked file. Titles of constituent files as follows:	1976
C.485	'Oct 6 1976. Red cone pair #1 - R mutual 17.8 m[ohms] separation ? Red-green cone pair #2 - not coupled. separation = 108.8 μ Red cone pair #3. R mutual 6.25 m[ohms] separation ?'	October 1976
C.486	'Oct 12 1976. Red cone pair #1. R mutual = 1.875 m[ohms]. Separation: slit method = 26.2 μ , dye mark = 23.4 μ '.	October 1976

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C.487	'Oct 26 1976. Possible 2 electrodes in 1 cell. Red cone R = 36m[ohms] separation 10'.	October 1976
C.488	'Oct 27 1976. Red cone pair #1 R mutual = 2.78m[ohms] separation = 24.7[mu]m. Red cone pair #2 R mutual = 4.16m[ohms] separation = 21.0[mu]m.'	October 1976
C.489	'Oct 28 1976. red cone pair #1 - R mutual = 9.24m[ohms] separation 14.7 μ m. Red cone pair #2 - R mutual = 1.62m[ohms] separation 43.5 μ m'.	October 1976
C.490-C.508	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Most of the manuscript material is not in Hodgkin's hand.	1976-1977
C.490	'Nov. 16 1976. Chelydra. Bipolar: some noise reduction in steady light, flashes of dark. Rod: very insensitive rod. No useful data'.	November 1976
C.491	'Rod A-1 : chelydra Nov. 18 1976.'	November 1976
C.492-C.493	Nov. 18 Rod. Chart record; computer print-out. 2 folders.	November 1976
C.494	'Nov 25 1976. Rod A-1'.	November 1976
C.495	'Nov 30. 1976. Rod #2'.	November 1976

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C.496	'Dec 1 1976'.	December 1976
C.497	'Chelydra rod #1, rod #2. Dec 14 1976'.	December 1976
C.498	'Dec 20 1976. Chelydra rod'.	December 1976
C.499	'Dec 21 1976. Rod #1B, Rod #2B'.	December 1976
C.500	'Dec 28 1976. Pseudymys cones I[?] "new" ALH lab'.	December 1976
C.501	'Dec 29 1976. Chelydra cone. Spatial properties'.	December 1976
C.502-C.504	'Jan 3 1977. Rod 3 chelydra'. 3 folders.	January 1977
C.505-C.506	'Jan 19 1977. Chelydra file 1. Rod #1, #2, #3 & #6 - file 1 - also contains voltage calibrations. Original chart record. Rod #4 - file 2 Rod #5 - file 3 2 folders.	January 1977
C.507	'Jan 19 1977. Rod #4A. Chelydra. File 2'.	January 1977
C.508	'Jan 19 1977. Chelydra rod #5A. File 3'.	January 1977

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C.509-C.520	Experiments on vision. Contents of a box. Manuscript and computer-generated data. Most of manuscript material is not in Hodgkin's hand. Titles of constituent files as follows:	1976-1977
C.509-C.511	'Jan 26 1977. Chelydra. Rod B-3. File 1. Rod B-3 file 1. Rod B-4 file 2'. 3 folders.	January 1977
C.512	'Jan 26 1977. Chelydra rod B3'.	January 1977
C.513-C.515	'Jan 26 1977. Rod B3. Additional material'. 3 folders.	January 1977
C.516	'Jan 26 1977. Rod B-4. File 2'.	January 1977
C.517	'Feb 3 1977. Chelydra. Rod B-2. File 3'.	February 1977
C.518	'Feb 3 1977. Rod A-2. File 2'.	February 1977
C.519	Loose papers.	January 1977
C.520	Long roll of computer-printed data with manuscript annotations.	April 1976

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C.521-C.538	Experiments on vision. Contents of a box. Manuscript and computer-generated data. A few papers are in Hodgkin's hand. Titles of constituent files as follows:	1976-1977
C.521-C.524	'Bipolar expt & figures'. Titles of further constituent files as follows:	1976-1977
C.521-C.523	'April 21 1976. Bipolar'. 3 folders.	April 1976
C.524	'Bipolar mss'. 1 figure only.	1976 or 1977
C.525-C.527	'Preliminary rod figs'. Titles of further constituent files as follows:	1977
C.525	'Fig: effect of B'd on flash response. Jan 26 1977. Rod B-3'.	January 1977
C.526	'1. Fig on step intensity series. Rod B4 May 20. 2. Fig showing [?] during plateau phase of step. Rod B5 May 20'.	May 1977
C.527	Loose papers.	1977
C.528	'8 September 1977. Rod A1'.	September 1977

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C.529	8 September 1977. Rod B1'.	September 1977
C.530	'8 September 1977. Rod A2'.	September 1977
C.531	'13 September 1977. Rod B1'.	September 1977
C.532-C.533	<p>'Erice 1977'.</p> <p>Hodgkin participated in a course 'Noise in Biological Membranes' at the International School of Biophysics, Erice, Sicily, 10-20 March 1977. He delivered two lectures on 'Analysis of responses of vertebrate photoreceptors'.</p> <p>Correspondence etc <i>re</i> arrangements and arising.</p> <p>The material in C.534-C.537 also relate to this course.</p> <p>2 folders.</p>	1976-1977
C.534-C.536	'Erice figs'.	1976-1977
C.534	<p>3pp incomplete manuscript draft of a lecture, headed 'BHL theory Erice'.</p> <p>In Hodgkin's hand.</p>	1976-1977
C.535	11pp typescript draft of one of Hodgkin's lectures entitled 'Electrical Analysis of Light Reception in Turtle Cones'.	1976-1977
C.536	Material relating to figures for the published version of the lecture.	1977

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C.537	<p>'Bipolar figures. P. Detwiler. Erice'.</p> <p>2pp manuscript draft by Hodgkin entitled 'A note on hyperpolarizing bipolar cells in the turtle's retina', with draft figures etc.</p>	1976-1977
C.538	A few loose pages of data.	September 1977
C.539-C.555	<p>Experiments on vision.</p> <p>Contents of a box. Divided into two large files labelled 'A' and 'B'.</p> <p>Very few papers are in Hodgkin's hand.</p>	1977
C.539-C.550	<p>File 'A'.</p> <p>Titles of constituent files as follows:</p>	1977
C.539-C.540	<p>'Feb. 3 1977. Rod A-1. File 1'.</p> <p>2 folders.</p>	February 1977
C.541-C.542	<p>'Feb. 10 1977. Rod A-2'.</p> <p>2 folders.</p>	February 1977
C.543	'Feb. 10 1977. Rod A-3'.	February 1977
C.544	'Feb. 10 1977. Rod A-4'.	February 1977
C.545-C.546	<p>'Feb. 10 1977. Rod A-5'.</p> <p>2 folders.</p>	February 1977

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C.547	'Feb. 10 1977. Rod A-6'.	February 1977
C.548-C.550	'Feb. 10 1977. Rod A-1'. 3 folders.	February 1977
C.551-C.555	File 'B'. Constituent files as follows:	1977
C.551	'Feb. 10 1977. Rod B-1'.	February 1977
C.552	Feb. 10 1977. Rod B-2'.	February 1977
C.553-C.554	'Feb. 10 1977. Rod B-3'. 2 folders.	February 1977
C.555	'Feb. 10 1977. Rod B-4'.	February 1977
C.556-C.579	Experiments on vision. Contents of a box. Manuscript and computer-generated data, some photocopies. Very few papers are in Hodgkin's hand. Titles of constituent files as follows:	1977
C.556	'March 30 1977. Rod A.1'.	March 1977
C.557	'March 30 1977. Rod B-1'.	March 1977
C.558	'March 30 1977. Rod B-2'.	March 1977

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C.559	'March 31 1977'.	March 1977
C.560	'April 1 1977. Rod B-1'.	April 1977
C.561	'April 1 1977. Rod B-2'.	April 1977
C.562	One page of notes found loose. Relates to the material in C.560 and C.561.	April 1977
C.563	'April 4 1977. Rod A-1'.	April 1977
C.564	'April 4 1977. Rod A-2'.	April 1977
C.565	'April 4 1977. Rod A-3'.	April 1977
C.566	'April 4 1977. Rod A-4'.	April 1977
C.567	'April 4 1977. Rod A-5'.	April 1977
C.568	'April 25 1977. Rod A-1'.	April 1977
C.569	'April 25 1977. Rod A-2'.	April 1977
C.570	'April 25 1977. Rod A-3'.	April 1977
C.571	'April 25 1977. Rod B-1'.	April 1977

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C.572	Loose manuscript notes.	April 1977
C.573	'27 April 1977. Ganglion cell with rod input. Rod A1 and A2'.	April 1977
C.574	'April 27 1977. Rod B1'.	April 1977
C.575	'April 29 1977. Rod B1'.	April 1977
C.576	'May 3 1977. Rod A-1'.	May 1977
C.577	'May 3 1977. Rod A-3'.	May 1977
C.578	'May 3 1977. Rod A-4'.	May 1977
C.579	'May 3 1977. Rod B1 & B2'.	May 1977
C.580-C.607	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Very few papers are in Hodgkin's hand. Titles of constituent files as follows:	May-June 1977
C.580	'Rod A-1. May 5 1977'.	May 1977
C.581	'Rod A-2. May 5 1977'.	May 1977
C.582	'May 5 1977. Rod A-3'.	May 1977

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C.583	'May 5 1977. Rod B-1'.	May 1977
C.584	'May 5 1977. Rod B-2'.	May 1977
C.585	'May 5 1977. Rod B-3'.	May 1977
C.586	'Rod B-1. May 11 1977'.	May 1977
C.587	'May 11 1977. Rod B-2'.	May 1977
C.588	'May 11 1977. Rod B-4'.	May 1977
C.589	'May 11 1977. Rod B-5'.	May 1977
C.590	'May 11 1977. Rod B-6'.	May 1977
C.591	'May 11 1977. Ganglion cell. Horizontal cell'.	May 1977
C.592	'May 16 1977. Rod A-1'.	May 1977
C.593	'May 16 1977. Rod A-2'.	May 1977
C.594	'May 16 1977. Ganglion cells'.	May 1977
C.595	'May 16 1977. Rod B-1'.	May 1977
C.596	Loose papers relating to the material in C.592-C.595.	May 1977

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C.597	'June 3 1977. Rod A-1'.	June 1977
C.598	'June 3 1977. Rod A-2'.	June 1977
C.599	'June 3 1977. Rod A-3'.	June 1977
C.600	'June 3 1977. Rod A-4'.	June 1977
C.601	'June 3 1977. Rod A-5'.	June 1977
C.602	'June 3 1977. Rod A-6a'.	June 1977
C.603	'June 3 1977. Rod A-6b'.	June 1977
C.604	'June 3 1977. Rod A-7'.	June 1977
C.605	'June 3 1977. Rod B-1'.	June 1977
C.606	'June 3 1977. Ganglion cells A-1, A-2, B-1'.	June 1977
C.607	'June 3 1977. "Deleted rods" '.	June 1977
C.608-C.625	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data, some photocopies. A few papers are in Hodgkin's hand. Divided into 3 large files, two inscribed 'A' and 'B' respectively, the third inscribed with a date.	

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C.608-C.615	File 'A'. Titles of constituent files as follows:	May-June 1977
C.608	'May 20 1977. Rod A-1'.	May 1977
C.609	'May 20 1977. Ganglion cells. A-1, A-2 (same track as Rod A-6)'.	May 1977
C.610	'May 20 1977. Rod A-2'.	May 1977
C.611	'May 20 1977. Rod A-5'.	May 1977
C.612	'May 20 1977. Rod A-6 (Ganglion cell A-2 in same track)'.	May 1977
C.613	'May 20 1977. Rod A-8'.	May 1977
C.614	'May 20 1977. Rod A-7'.	May 1977
C.615	'June 13 1977. Ganglion cell A-2'.	June 1977
C.616-C.620	File 'B'. Titles of constituent files as follows.	May 1977
C.616	'May 20 1977. Rod B-1'.	May 1977
C.617	'May 20 1977. Rod B-2'.	May 1977
C.618	'May 20 1977. Rod B3'.	May 1977

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C.619	"May 20 1977. Rod B-4'.	May 1977
C.620	'May 20 1977. Rod B-5'.	May 1977
C.621-C.625	'May 25 1977'. Titles of constituent files as follows.	May 1977
C.621	'May 25 1977. Rod A-1'.	May 1977
C.622	'May 25 1977. Rod B-1'.	May 1977
C.623	'May 25 1977. Rod B-2'.	May 1977
C.624	'May 25 1977. Rod B-3'.	May 1977
C.625	Loose papers relating to the material in C.621-C.624.	May 1977
C.626-C.652	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. A few papers are in Hodgkin's hand. Titles of constituent files as follows:	June-August 1977
C.626	'June 13 1977. Ganglion cell A-1'.	June 1977
C.627	'June 13 1977. Rod A-1'.	June 1977
C.628-C.629	'June 17 1977. Rod A-3'. 2 folders.	June 1977

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C.630	'June 17 1977. Rod A-1'.	June 1977
C.631	'June 17 1977. Rod A-2'.	June 1977
C.632	'June 17 1977. Rod B-1'.	June 1977
C.633	'June 17 1977. Rod B-2'.	June 1977
C.634	'June 17 1977. Rod B-3'.	June 1977
C.635	'June 17 1977. Rod B-4'.	June 1977
C.636	'June 17 1977. Ganglion cell B-1'.	June 1977
C.637	'June 17 1977. Deleted rods'.	June 1977
C.638	'June 28 1977. Rod A-1'.	June 1977
C.639	'June 28 1977. Rod B-1'.	June 1977
C.640	'June 28 1977. Rod B-2'.	June 1977
C.641	'June 28 1977. Ganglion cell'.	June 1977
C.642	'June 28 1977. Deleted rods'.	June 1977
C.643	'July 4 1977. Rod A-1'.	July 1977

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C.644	'July 4 1977. Rod A-2'.	July 1977
C.645	'July 4 1977. Rod A-3'.	July 1977
C.646	'July 4 1977. Rod B-1'.	July 1977
C.647	'July 4 1977. Rod B-2'.	July 1977
C.648	'July 4 1977. Rod B-3'.	July 1977
C.649	'July 4 1977. Rod B-4'.	July 1977
C.650	'August 10 1977. Rod B-1'.	August 1977
C.651-C.652	'August 10 1977. Rod A1'. 2 folders.	August 1977
C.653-C.674	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. None of the material is in Hodgkin's hand. Titles of constituent files as follows:	August- October 1977
C.653	'25 August 1977. Rod A1'.	August 1977
C.654	'25 August 1977. Rod A2'.	August 1977
C.655	'25 August 1977. Rod A3'.	August 1977

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C.656	'25 August 1977. Rod A4'.	August 1977
C.657	'25 August 1977. Rod B1'.	August 1977
C.658	'6 September 1977. Rod A1'.	September 1977
C.659	'6 September 1977. Rod B1'.	September 1977
C.660	'6 September 1977. Rod B2'.	September 1977
C.661	'28 September 1977. Rod A1'.	September 1977
C.662	'28 September 1977. Rod A2'.	September 1977
C.663-C.664	'28 September 1977. Rod A3'. 2 folders.	September 1977
C.665	'28 September 1977. Rod A4'.	September 1977
C.666	'28 September 1977. Rod B1'.	September 1977
C.667	'28 September 1977. Rod B2'.	September 1977
C.668	'11 October 1977. Rod A1'.	October 1977

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C.669	'17 October 1977. Red cone B1'.	October 1977
C.670	'17 October 1977. Red cone B2'.	October 1977
C.671	'17 October 1977. Red cone B3'.	October 1977
C.672	'17 October 1977. Red cone B4'.	October 1977
C.673-C.674	'17 October 1977. Red cone B5'. 2 folders.	October 1977
C.675-C.683	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data, some photocopies. Some papers are in Hodgkin's hand. Titles of constituent files as follows:	c.1976-1977
C.675-C.677	'Light calibrations. ALH lab'. Only a few papers are dated 1976. Included at C.677 is a letter by Hodgkin to [? P.B. Detwiler] re the light calibration experiments. 3 folders.	November 1976-1977
C.678	'Variance calibration'.	[c. February] 1977
C.679	'Calibrations of spatial properties: ALH lab'.	June 1977
C.680	'30 August 1977. Photomultiplier calibrations'.	August 1977

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C.681	'31 August 1977. Light leak'.	August 1977
C.682	'5 September 1977. Tests of light leak after adding light-tight box in back beam - ok'.	September 1977
C.683	'Light calibrations. PBD lab'. A few photocopied pages.	c.1976
C.684-C.700	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data and calculations. Calculations in Hodgkin's hand are at C.686. Titles of constituent files as follows:	January-May 1978
C.684	'23 Jan 1978. Rod A1'.	January 1978
C.685	'23 January 1978. Rod A2'.	January 1978
C.686	'23 January 1978. Rod A3'.	January 1978
C.687	'26 January 1978. Rod A1'.	January 1978
C.688	'26 January 1978. Ganglion cell A1 (same place in retina as rod A1)'.	January 1978
C.689	'26 January 1978. Ganglion cell A2'.	January 1978
C.690	'26 Jan. 1978. Rod A2'.	January 1978

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C.691-C.692	'26 Jan 1978. Rod B1'. 2 folders.	January 1978
C.693	'26 Jan 1978. Rod B2 (plus chart cal pulses)'.	January 1978
C.694	'9 Feb 1978. Rod A1'.	February 1978
C.695	'9 Feb 1978. Rod A2'.	February 1978
C.696	'9 Feb 1978. Rod A3'.	February 1978
C.697	'10 May 1978. Rod A1'.	May 1978
C.698	'10 May 1978. Rod A2'.	May 1978
C.699	'10 May 1978. Rod B1'.	May 1978
C.700	'10 May 1978. Rod B2'.	May 1978
C.701-C.714	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Some papers are in Hodgkin's hand. Titles of constituent files as follows:	1979-1980
C.701-C.703	'1979 LMY data. Relevant'. Titles of further constituent files as follows:	October- November 1979

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C.701-C.702	'31 Oct 1979. Rod 1. 1) Flash intensity - response family 2) Desensitization profile from steady slit'. 2 folders.	October 1979
C.703	'Fits to LMY background underswing data'.	November 1979
C.704	'20 May 1980. Cell #1'.	May 1980
C.705	'20 May 1980. Cell #2'.	May 1980
C.706	'20 May 1980. Cell #3'.	May 1980
C.707	'21 May 1980. Cells 1 & 2. To examine pH 7.2 on photoresponse'.	May 1980
C.708	'22 May 1980. Examine effect of 22mM HCO ₃ ⁻ / 10% CO ₂ on photoresponse'.	May 1980
C.709	'7 June 1980. Rod 1'.	June 1980
C.710	'7 June 1980. Rod 2,3,4'.	June 1980
C.711	'8 June 1980. Cell 1'.	June 1980
C.712	'11 June 1980. Cell 1'.	June 1980
C.713	'11 June 1980. Cell 2'.	June 1980

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C.714	Loose material.	May - June 1980
C.715-C.731	Experiments on vision. Manuscript and computer-generated experimental data. A few papers are in Hodgkin's hand. Titles of constituent files as follows:	June-July 1980
C.715-C.716	'12 June 1980. Cell 1'. 2 folders.	June 1980
C.717	'13 June 1980. Cell 1'.	June 1980
C.718	'17 June 1980. Rod 1'.	June 1980
C.719	'17 June 1980. Rod 2'.	June 1980
C.720-C.721	'17 June 1980. Rod 3'. 2 folders.	June 1980
C.722-C.723	'18 June 1980. Cell #1'. 2 folders.	June 1980
C.724	'23 June 1980. Cell #2'.	June 1980
C.725	'3 July 1980. Cell 1'.	July 1980
C.726	'4 July 1980. Cell 1'.	July 1980

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C.727	'8 July 1980. Cell 1'.	July 1980
C.728	'8 July 1980. Cell 2'.	July 1980
C.729	'8 July 1980. Cell 3'.	July 1980
C.730	'14 July 1980. Cell 1'.	July 1980
C.731	'14 July 1980. Cell 2'.	July 1980
C.732-C.749	Experiments on vision. Manuscript and computer-generated experimental data. A few papers are in Hodgkin's hand. Titles of constituent files as follows:	July-August 1980
C.732	'15 July 1980. Cell 1'.	July 1980
C.733	'15 July 1980. Cell 2'.	July 1980
C.734	'17 July 1980. Cell 1'.	July 1980
C.735	'17 July 1980. Cell 2'.	July 1980
C.736	'18 July 1980. Cell 1'.	July 1980
C.737	'18 July 1980. Cell 2'.	July 1980
C.738	'18 July 1980. Cell 3'.	July 1980

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C.739	'22 July 1980. Cells 1, 2, 3'.	July 1980
C.740-C.741	'24 July 1980. Cell 1'. Included are photographs at C.741. 2 folders.	July 1980
C.742	'24 July 1980. Cell 2'.	July 1980
C.743	'25 July 1980. Cell 1'.	July 1980
C.744	'25 July 1980. Cell 2'.	July 1980
C.745	'29 July 1980. #1'.	July 1980
C.746	'29 July 1980. Cell 2'.	July 1980
C.747	'1 August 1980. Cell 1'.	August 1980
C.748	'4 August 1980. Cell 1'.	August 1980
C.749	'4 August 1980. Cell 2'.	August 1980
C.750-C.765	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Much of the material is in Hodgkin's hand. Titles of constituent files as follows:	August- October 1980

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C.750	'Rod 1. 8 August 1980'. Photographs are included.	August 1980
C.751	'Rod 2. 8 August 1980'. Photographs are included.	August 1980
C.752	'15 August 1980. Rod 1'.	August 1980
C.753	'15 August 1980. Rod 2'.	August 1980
C.754	'18 August 1980. Rod 1'.	August 1980
C.755	'18 August 1980. Rod #2'.	August 1980
C.756	15 September 1980. Rod 1 (only)'.	September 1980
C.757-C.759	'19 Sept. 1980. Rod #1 only. See 3 Aug 81 #2 file'. 3 folders.	September 1980
C.760	'22 Sept. 1980'.	September 1980
C.761	'15 Oct. 1980. Study of noise increase. Not v. good'.	October 1980
C.762	'17 Oct. 1980. Study of noise increase. Not v. good'.	October 1980
C.763	'20 Oct. 1980. Cell 1. Not v. good'.	October 1980

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C.764	'21 Oct. 1980. Cell 1. Study of dark noise increase'.	October 1980
C.765	'21 Oct 1980. Cell 2. Study of dark noise increase'.	October 1980
C.766-C.782	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Much of the material is in Hodgkin's hand. Titles of constituent files as follows:	October- November 1980
C.766-C.767	'24 Oct. 1980. Cell 1'. 2 folders.	October 1980
C.768	'24 Oct. 1980. Cell 2'.	October 1980
C.769	'24 Oct. 1980. Cell 3'.	October 1980
C.770	'11 November 1980. Rod 1'.	November 1980
C.771	'11 Nov. 1980. Rod 2. Attempted noise run with Na 0Ca unbuffered'. Photographs included.	November 1980
C.772	'11 Nov 1980. Rod 3. Interesting cell.' Included are photographs.	November 1980
C.773	'13 Nov. 1980. Cell 1'.	November 1980
C.774	'25 Nov 1980. Rod 1'.	November 1980

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C.775	'25 November 1980. Rod 2'.	November 1980
C.776	'26 Nov. 1980. Cell 1. No good'.	November 1980
C.777	'26 November 1980. Cell 2. Superlinearity in 20Na. Bars and tongue'.	November 1980
C.778	'26 Nov. 1980. Cell 3'.	November 1980
C.779	'27 November 1980. Rod #1'.	November 1980
C.780	'27 Nov. 1980. Rod #2. Only shows effect on dark current of Ringer 20Na 1Ca'.	November 1980
C.781-C.782	'27 November 1980. Rod #3 (Rod #2 no good)'. 2 folders.	November 1980
C.783-C.792	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Most of the material is in Hodgkin's hand. Titles of constituent files as follows:	November- December 1980
C.783	'13 Nov. 1980. Cell 2'.	November 1980
C.784	'13 Nov. 1980. Cell 3. Bars. Superlinearity in 20Na'.	November 1980

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C.785	'4 Dec. 1980. Cell 1'.	December 1980
C.786-C.788	'4 Dec. 1980. Cell 2'. Photographs are included at C.787. 3 folders.	December 1980
C.789	'9 Dec. 1980'.	December 1980
C.790	'10 Dec. 1980. Rod 1'.	December 1980
C.791-C.792	'12 December 1980. Rod 1'. Photographs at C.792. 2 folders.	December 1980
C.793-C.803	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Some of the material is in Hodgkin's hand. Titles of constituent files are as follows:	November 1982
C.793	'1 Nov. 1982. Rod 1 only'.	November 1982
C.794	'4 Nov. 1982. Rod 1&2 - short. Rod 3 - main expt. Much useful material and possible figures'.	November 1982
C.795	'8 Nov. 1982. Rod 2 (&1). Rod 1 enclosed - no good'.	November 1982

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C.796	'8 Nov. 1982. Rod 3'.	November 1982
C.797	'11 Nov. 1982. Rods 1 & 2'.	November 1982
C.798	'12 Nov. 1982. Rod 1 & rod 2 (hour glass pipette)'.	November 1982
C.799	'12 Nov. 1982. Rod 3'.	November 1982
C.800	'12 Nov. 1982. Rod #4'.	November 1982
C.801-C.802	'19 Nov. 1982. Rod #1'. 2 folders.	November 1982
C.803	Loose material.	November 1982
C.804-C.817	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Some papers are in Hodgkin's hand. Titles of constituent files as follows:	November- December 1982
C.804	'16 Nov. 1982. Rod 1. No good'.	November 1982
C.805	'16 Nov 1982. Rod 2'.	November 1982

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C.806	'6 December 1982 [Rod 1]'. 	December 1982
C.807	'6 December 1982. Rod 2'. 	December 1982
C.808	'7 Dec. 1982. One rod only - poor'. 	December 1982
C.809	'8 Dec. 1982. Rod 1'. 	December 1982
C.810	'8 Dec. 1982. Rod 2'. 	December 1982
C.811	'8 Dec. 1982. Rod 3'. 	December 1982
C.812	'8 Dec. 1982. Rod 4'. 	December 1982
C.813-C.814	'15 Dec. 1982. Rod 1. Some analysis is in 14 Dec. 82 #1'. 2 folders.	December 1982
C.815	'15 Dec. 1982. Rod 2. 400 p[?A] at end'. 	December 1982
C.816	'15 Dec. 1982 #1. Additional analysis by Brian N[unn]'. 	December 1982
C.817	'15 Dec. Rod 3'. 	December 1982

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C.818-C.831	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Some papers are in Hodgkin's hand. Titles of constituent files as follows:	December 1982- February 1983
C.818-C.820	'14 Dec. 1982. #1'. 3 folders.	December 1982
C.821	'14 Dec. 1982. #2'.	December 1982
C.822	'22 Dec 1982. #1'.	December 1982
C.823	'22 Dec. 1982. #2'.	December 1982
C.824	'3 January 1983. #1. Poorish'.	January 1983
C.825	'3 Jan 1983. #2'.	January 1983
C.826	'4 Jan. 1983. #1 & #2. Poorish'.	January 1983
C.827	'5 Jan. 1983. #1 (and #3, no #2)'.	January 1983
C.828	'5 Jan. 1983. Rod 4'.	January 1983
C.829	'5 Jan 1983. #5. Brief pulses'.	January 1983
C.830	'14 Feb. 1983. Rod #1'.	February

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C.831	'14 Feb. 1983. Rods # 2 & 3'.	1983 February 1983
C.832-C.848	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Most of the material is not in Hodgkin's hand. Titles of constituent files as follows:	January- March 1983
C.832	'25 Jan. 1983. # 1. n.v.g.'.	January 1983
C.833	'25 Jan. 1983. #2'.	January 1983
C.834	'25 Jan. 1983. #3'.	January 1983
C.835	'26 Jan. 1983. #1'.	January 1983
C.836	'26 Jan. 1983. Salamander cone #1 (red?)'.	January 1983
C.837	'26 Jan. 1983. Salamander rod #1 (red?)'.	January 1983
C.838	'26 Jan. 1983 #2'.	January 1983
C.839	'15 Feb. 1983. Rod #1'.	February 1983
C.840	'15 Feb. 1983. Toad rod. Rod #2'.	February 1983
C.841-C.842	'9 March 1983. Rod #1'. 2 folders.	March 1983

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C.843	'9 March 1983. Rod #2. Run 230'.	March 1983
C.844	'10 March 1983. #3. Rod #2 no good - record discarded'.	March 1983
C.845	'10 March 1983. Rod #4'.	March 1983
C.846	'15 March 1983. Rod #1'.	March 1983
C.847-C.848	'15 March 1983. Rod #2'. 2 folders.	March 1983
C.849-C.865	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Titles of constituent files as follows:	May- September 1983
C.849	'Salamander. 10 May 1983. Rod 1'.	May 1983
C.850	'10 May 1983. Salam. rods 2 & 3'.	May 1983
C.851	'21 May 1983. Salamander rod #1 (& 2, n.v.g.)'.	May 1983
C.852	'21 May 1983. Salamander. Rod #3'.	May 1983
C.853	'22 May 1983. Toad rod #1. Results 'ok' & not plotted'.	May 1983
C.854	'23 May 1983. Toad rod #1. Recording no good - not digitized'.	May 1983

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C.855	'24 May 1983. Toad rod #1'.	May 1983
C.856-C.857	'24 May 1983. Toad rod #2. Experiment using new stage-movement method of changing solutions'. 2 folders.	May 1983
C.858	'23 June 1983. Rod #1. Not v. useful'.	June 1983
C.859	'23 June 1983. Rod #2. Not digitized - not v. useful. Note inward (Na ⁺ , Ca ⁺⁺ ?) current ongoing. 27.5K, 55Na, 1 μ Ca - 110Na, 1Ca (1) Also delayed activation on doing reverse of (1)'.	June 1983
C.860	'24 June 1983. Rod #1'.	June 1983
C.861	'Solutions for 22-23 Sept. 1983'.	September 1983
C.862	'23 Sept. 1983. Rod #1'.	September 1983
C.863	'23 September 1983. Rod #2'.	September 1983
C.864	'23 Sept. 1983. Rod #3'.	September 1983
C.865	'23 Sept. 1983. Rod #4'.	September 1983

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C.866-C.870	Experiments on vision. Contents of a box. Experimental data and notes. Some papers are in Hodgkin's hand. Titles of constituent files as follows:	1982-1984
C.866	'Summaries for selectivity paper - Ca++ currents'.	March 1983 - January 1984
C.867	'Selectivities of monovalent cations in 1 μ M-Ca. June-July 1983'.	June-July 1983
C.868	'Collected results Nov. 1982-May 1983. Responses in 1 μ M-Ca. 0Mg. Inward dark current'.	November 1982-May 1983
C.869	'Nov. - Dec. 1982, Jan 1983 - summaries'.	November 1982 - January 1983
C.870	Loose material.	c. 1983
C.871-C.881	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Most of the material is not in Hodgkin's hand. Titles of constituent files as follows:	June-July 1983
C.871	'25 June 1983. Rod #1 n.v.g. Rod #3 - inverted responses from distal tip when proximal portion of o.s. is in 1 μ Ca, 110Na'.	June 1983
C.872	'25 June 1983. Rod #2'.	June 1983
C.873	'30 June 1983. Rod #1'.	June 1983

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C.874	'30 June 1983. Rod #4'.	June 1983
C.875	'30 June 1983. Rod 5'.	June 1983
C.876	'1 July 1983. Rod #1. 1 expt. (55 - 110Na) only'.	July 1983
C.877	'1 July 1983. Rod #2'.	July 1983
C.878	'2 July 1983. Rod #1'. Not useful'.	July 1983
C.879	2 July 1983. Rod 2'.	July 1983
C.880	'2 July 1983. Rod #3. Activation : ONa - 55K 1 μ Ca'.	July 1983
C.881	'2 July 1983. Rod #4'.	July 1983
C.882-C.899	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. A few papers are in Hodgkin's hand. Titles of constituent files as follows:	July 1983
C.882	'9 July 1983. #1'.	July 1983
C.883	'9 July 1983. Rod #2'. Rod in 1/2 activated state (20 Na 1 μ Ca) & 90K or 90Rb added'.	July 1983
C.884	'9 July 1983. Rod #3. n.v.g.'.	July 1983

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C.885-C.886	'20 July 1983. Rod #1'. 2 folders.	July 1983
C.887	'20 July 1983. #2. Analysis (graphs in main file)'.	July 1985
C.888-C.889	'20 July 1983. Rod #2. Note cell position - cilium well inside pipette'. 2 folders.	July 1983
C.890	'15-25 Sept. 1983. Flow / change rate using conductance & voltage measurements'. Photographs are included.	September 1983
C.891	'22 September 1983. Rods 1 & 2: nvg. 3, 4, 5: nvg'.	September 1983
C.892	'22 Sept. 1983. Rod #6'.	September 1983
C.893	'27 September 1983. Rod #1'.	September 1983
C.894	'27 Sept. 1983. Rod #2'.	September 1983
C.895	'27 Sept. 1983. Rod #3'.	September 1983
C.896	'27 September 1983. Rod #4. Good experiment'.	September 1983

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C.897	'28 Sept. 1983. #1. n.v.g.'	September 1983
C.898	'28 Sept. 1983. #2. n.v.g.'	September 1983
C.899	'28 Sept. 1983. #3. Also fragment rod 5'.	September 1983
C.900-C.917	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Some papers are in Hodgkin's hand. Titles of constituent files as follows:	September- October 1983
C.900	'29 Sept. 1983. Rod #1'.	September 1983
C.901	'29 Sept. 1983. #2'.	September 1983
C.902	'29 Sept. 1983. #3'.	September 1983
C.903	'29 Sept. 1983. Rods 4, 5, 6, 7. Poor - perhaps 7 should be looked at'.	September 1983
C.904	'29 Sept. 1983. Rod #8'.	September 1983
C.905-C.906	'12 Oct. 1983. Salamander rod #1'. 2 folders.	October 1983
C.907	'12 Oct. 1983. Rod #1'.	October 1983

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C.908	'12 Oct. 1983. Rod 2'.	October 1983
C.909	'12 Oct 1983. #3'.	October 1983
C.910-C.911	'12 October 1983. Rod #4'. 2 folders.	October 1983
C.912	'12 Oct. 1983. Rod #5'.	October 1983
C.913	'14 Oct. 1983. Toad rod #1'.	October 1983
C.914	'14 Oct. 1983. #2'.	October 1983
C.915	'14 Oct. 1983. #3'.	October 1983
C.916	'15 Oct. 1983. #1'.	October 1983
C.917	'15 Oct. 1983. #2'.	October 1983
C.918-C.941	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Most of the material is not in Hodgkin's hand. Titles of constituent files as follows:	October- December 1983
C.918	'Solutions for week beginning 9 October 1983'.	October 1983
C.919	'11 October 1983. Rod #1'.	October 1983

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C.920	'11 October 1983. Rod #2'.	October 1983
C.921-C.922	'11 October 1983. Rod #3'. 2 folders.	October 1983
C.923	'11 Oct. 1983. Rod #4'.	October 1983
C.924	'11 Oct. 1983. Rod #5'.	October 1983
C.925	'11 Oct. 1983. Rod #6'.	October 1983
C.926	'11 Oct. 1983. Rod #7'.	October 1983
C.927	'Solution making rough notes (20 Nov 1983, week of)'.	November 1983
C.928	'22 Nov. 1983. #1. Short'.	November 1983
C.929	'22 Nov. 1983. #2. Not worth digitizing'.	November 1983
C.930	'22 Nov. 1983. #3. Good but incomplete'.	November 1983
C.931	'22 Nov. 1983. Rod #4. Actually 2 cells. Not worth digitizing?'.	November 1983
C.932	'23 Nov. 1983. Rod #1. Good but incomplete - not worth digitizing'.	November 1983

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C.933	'23 Nov. 1983. Rod #2. Best run on this day'.	November 1983
C.934	'23 Nov. 1983. Rod #3. Good, then packed up - worth digitizing'.	November 1983
C.935	'23 Nov. 1983. Rod #4'.	November 1983
C.936	'23 Nov. 1983. Rods 5 & 6. Poor - haven't digitized'.	November 1983
C.937	'24 Nov. 1983. 6 rods - none very good'.	November 1983
C.938-C.939	'25 Nov. 1983. Salamander rod 1'. 2 folders.	November 1983
C.940	'1 Dec. 1983. Sal rods 1-3. Not worth digitizing'.	December 1983
C.941	'1 Dec. 1983. Salam. rods 4, 5. Nothing useful'.	December 1983
C.942-C.962	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data, with some theoretical notes. Some papers are in Hodgkin's hand. Titles of constituent files as follows:	December 1983-January 1984
C.942	'2 December 1983. Salam rod #1. n.v.g. not digitized'.	December 1983
C.943	'2 Dec. 1983. Salam rod #2'.	December 1983

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C.944	'2 December 1983. Salam rods 3-6. Not worth digitizing'.	December 1983
C.945	'2 Dec. 1983. Salam rod #7'.	December 1983
C.946	'2 December 1983. Salam rod #8'.	December 1983
C.947	'2 December 1983. Sal rod #9'.	December 1983
C.948	'2 Dec. 1983. #9. Extra graphs'. Included are theoretical notes in Hodgkin's hand.	December 1983
C.949	'20 December 1983. Toad rod #1'.	December 1983
C.950	'20 December 1983. Toad rod #2'.	December 1983
C.951	'20 December 1983. Toad rod #3'.	December 1983
C.952	'20 December 1983. Rod 4 (and 4b no tape)'.	December 1983
C.953	'21 December 1983. Rod 1'.	December 1983
C.954	'21 December 1983. Rod 2'.	December 1983

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C.955	'23 December 1983. Rods 1 & 2. Short but worth digitizing'.	December 1983
C.956	'23 Dec. 1983. Rod 3'.	December 1983
C.957	'23 December 1983. Rod 4'.	December 1983
C.958	'4 January 1984. Rod #1'.	January 1984
C.959	'4 January 1984. Rod #2'.	January 1984
C.960	'4 January 1984. Rod #3'.	January 1984
C.961	'4 January 1984. Rod #4'.	January 1984
C.962	26 January 1984. Rod #1'.	January 1984
C.963-C.974	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. In hands other than Hodgkin's. Titles of constituent files are as follows:	January 1984
C.963	'5 January 1984. Rod #1 (toad)'.	January 1984
C.964	'5 January 1984. Rod #2 (toad)'.	January 1984
C.965	'5 January 1984. Rod 3 (toad)'.	January 1984

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C.966	'5 January 1984. Rod 4 (toad)'.	January 1984
C.967	'18 January 1984. Rod #1'.	January 1984
C.968	'18 January 1984. Rod #2'.	January 1984
C.969	'18 January 1984. Toad rod #3'.	January 1984
C.970	'20 January 1984. Rod #1'.	January 1984
C.971-C.972	20 January 1984. Toad rod #2'. 2 folders.	January 1984
C.973	'27 January 1984. Rod #1'.	January 1984
C.974	'27 January 1984. Rod 2'.	January 1984
C.975-C.990	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data, with photographs. Some of the material is in Hodgkin's hand. Titles of constituent files as follows:	April-May 1984
C.975	'10 April 1984. Rod #2 (rod #1 no good). One Ca transient. Not worth digitizing'.	April 1984
C.976	'12 April 1984. Rod #1. Excellent cell - extensive study of Ca transients etc'.	April 1984

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C.977	'12 April 1984. Rod #2. Effects of light on "pumping transients" '.	April 1984
C.978	'13 April 1984. Rod #1. Effect of La on "pumping transient". 20 sec pulse of ONa'.	April 1984
C.979	'13 April 1984. Rod #2. Effect La ³⁺ on pumping transient (short pulses of ONa)'.	April 1984
C.980	'13 April 1984. Rod #3. Effect of pulses of high K, high Ca, before flash, on plat[?] duration. Not very good all - but some data. Not worth digitizing'.	April 1984
C.981	'16 May 1984. #1. Salamander'.	May 1984
C.982	'16 May 1984. #2. Salamander'.	May 1984
C.983	'16 May 1984. #3'.	May 1984
C.984	'17 May 1984. Rods 1-3 salamander'.	May 1984
C.985-C.986	'17 May 1984. Rod 4. Excellent cell. Series of exposures to 1Ca, 10Ca, 0Na while in 110Na 1 μ Ca & in Ringer'. 2 folders.	May 1984
C.987	'17 May 1984. Rod #5. Superb cell. I vs. Na in 1 μ M Ca. Compare flashes of light & 1Ca while in 10Na 1 μ M Ca'.	May 1984
C.988	'18 May 1984. #1 & dud. Salamander'.	May 1984

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C.989-C.990	'18 May 1984. #2. Salamander'. 2 folders.	May 1984
C.991-C.1007	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. A few papers are in Hodgkin's hand. Titles of constituent files as follows:	May- November 1984
C.991	'25 May 1984. Rods 1, 2, 3 poor. A few 75Na 1 μ Ca with [?] w/o Mg. Salamanders'.	May 1984
C.992	'25 May 1984. #4. Salamander. Good expt. Big currents. 600pA in 75-Na 1 μ Ca. Nice effects taking away Mg'.	May 1984
C.993	'25 May 1984. #5'.	May 1984
C.994	'25 May 1984. Salamander rod. #6'.	May 1984
C.995	'25 May 1984. #7'.	May 1984
C.996	'25 May 1984. Salamander rod #8'.	May 1984
C.997	'25 May 1984. Rod #9'.	May 1984
C.998	'5 June 1984. Salamander rod 1'.	June 1984
C.999	'5 June 1984. #2. No rod #3'.	June 1984
C.1000	'5 June 1984. #4'.	June 1984

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C.1001	'5 June 1984. #5'.	June 1984
C.1002	'5 June 1984. Salamander rod 6-7'.	June 1984
C.1003	'5 June 1984. Rod 8'.	June 1984
C.1004	'24 November 1984. Salamander rod #1'.	November 1984
C.1005	'24 November 1984. Rod #2'.	November 1984
C.1006	'24 Nov. 1984. Salamander rod #3'.	November 1984
C.1007	'24 November 1984. Salamander rod #4'.	November 1984
C.1008-C.1034	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. A few papers are in Hodgkin's hand. Titles of constituent files as follows:	April 1984- January 1985
C.1008	'17 April 1984. #1. Not worth digitizing'.	April 1984
C.1009	'17 April 1984. #2. Similarity between decay in Li 1Ca & in ^{35}Na $^{1}\mu\text{Ca}$ - ^{74}Ca '.	April 1984
C.1010	'18 April 1984. #1 (toad). Similarity in decay in Li 1Ca & in ^{35}Na $^{1}\mu\text{Ca}$ - ^{74}Ca '.	April 1984

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C.1011	'18 April 1984. #2 (toad). Similarity in decay in Li 1Ca & in ^{35}Na $1\mu\text{Ca}$ - ^{74}Ca '.	April 1984
C.1012	'23 April 1984. Rod 1. [?] of current decay in Li with 1BMX & 6 kg lights'.	April 1984
C.1013	'23 April 1984 (toad). Rod 2 (and rod 3 poor). Ringer - Li 1Ca - Li 0.1Ca'.	April 1984
C.1014	'23 April 1984. Rod 4. [?] of current decay in Li 0.1Ca, Li 1Ca, Li 10Ca, Li 1Ca & 1BMX'.	April 1984
C.1015	'26 May 1984. Rod #1'.	May 1984
C.1016	'26 May 1984. Rod #2 (no rod #3)'.	May 1984
C.1017	'26 May 1984. Rod #4 (no rod #3)'.	May 1984
C.1018	'26 May 1984. Rods 5 & 6'.	May 1984
C.1019	'8 June 1984. Rod 1. Salamander'.	June 1984
C.1020	'8 June 1984. Rod 2'.	June 1984
C.1021	'9 June 1984. Rod 1'.	June 1984
C.1022	'9 June 1984. #2'.	June 1984

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C.1023-C.1024	'9 June 1984. #3'. 2 folders.	June 1984
C.1025	'12 November 1984. Salamander rod #1'.	November 1984
C.1026	'12 November 1984. Salamander rod 2'.	November 1984
C.1027	'6 December 1984. Salamander rod #1'.	December 1984
C.1028	'6 December 1984. Rod 2'.	December 1984
C.1029	'6 December 1984. Salamander rods 3 & 4. Not worth plotting'.	December 1984
C.1030-C.1031	'7 December 1984. Rod 1'. 2 folders.	December 1984
C.1032	'7 December 1984. Rod 2'.	December 1984
C.1033	'31 Jan 1985. Rods 1-3. Not much good'.	January 1985
C.1034	'31 Jan. 1985. Rod 4. Long exp't with various Na Li mixtures. Worth analysis. Oscillation weak flashes'.	January 1985

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C.1035-C.1043	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Titles of constituent files as follows:	June 1984
C.1035	'4 June 1984. Rods 1 & 2'.	June 1984
C.1036	'4 June 1984. Rod 3. Salamander'.	June 1984
C.1037	'4 June 1984. #4'.	June 1984
C.1038	'4 June 1984. Rod #5'.	June 1984
C.1039	'4 June 1984. Rod 6 (&7 no good)'.	June 1984
C.1040	'23 June 1984. Rod 1'.	June 1984
C.1041	'23 June 1984. Rod #2. Nice expt showing a dim flash has immediate effect in speeding closure by Ca pulse; effect of flash lasts less than 5-10 sec'.	June 1984
C.1042	'23 June 1984. Rod #3'.	June 1984
C.1043	'23 June 1984. Rod #4'.	June 1984
C.1044-C.1061	Experiments on vision. Contents of a box. Manuscript and computer-generated experimental data. Titles of constituent files as follows:	May- December 1984

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C.1044	'24 May 1984. Rods #1 - #3'.	May 1984
C.1045	'22 June 1984. Rod #1 (2 no good). Flashes & 1Ca pulses in 20 Na 1 μ Ca'.	June 1984
C.1046	'22 June 1984. Rod 3'. A photograph is included.	June 1984
C.1047	'22 June 1984. Rod 4 & 5 (no good?)'.	June 1984
C.1048	'18 Nov. 1984. Salamander rod #1. Not worth plotting'.	November 1984
C.1049	'18 Nov. 1984. Rod #2'.	November 1984
C.1050	'18 Nov. 1984. Salamander rod #3'.	November 1984
C.1051	'19 Nov. 1984. Not plotted - not v. good'.	November 1984
C.1052	'22 Nov. 1984. Nothing useful'.	November 1984
C.1053	'23 Nov. 1984. Salamander rod 1'.	November 1984
C.1054	'23 Nov. 1984. Salamander rod #2'.	November 1984
C.1055	'24 May 1984. Salamander #1, 2, 3. Poor'.	May 1984

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C.1056	'3 December 1984. Salamander rod #1. Not worth plotting. No repeat of flash alone after flash + pulse'.	December 1984
C.1057	'3 December 1984. Salamander rod #2'.	December 1984
C.1058	'4 December 1984. Salamander rod #2'.	December 1984
C.1059	'4 December 1984. Salamander rod #3'.	December 1984
C.1060	'5 December 1984. Rod #1. Not plotted - short, poor expt & no controls / returns'.	December 1984
C.1061	'5 December 1984. Rod #2'.	December 1984
C.1062-C.1080	Experiments on vision. This material was found in a box inscribed 'Expts 1984' but all relates to 1976 experiments. Photocopied manuscript experimental data. Not in Hodgkin's hand. Titles of constituent files as follows:	1976
C.1062	'March 18 1976. Red cone pair #2'.	March 1976
C.1063	'March 18 1976. Red cone #5 and green cone #[?]. Green cone #2 and green cone #1'.	March 1976
C.1064	'March 25 1976. Red cone pair #1'.	March 1976
C.1065	'April 1 1976. Red cone pair'.	April 1976

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C.1066	'April 6 1976. Red cone pair #1'.	April 1976
C.1067	'April 6 1976. Red-green cone pair. Not coupled'.	April 1976
C1068	'April 7 1976'.	April 1976
C.1069	'April 20 1976. Single red cone = spatial run'.	April 1976
C.1070	'April 21 1976. Red cones pair #2'.	April 1976
C.1071	'May 25, 26, 17 1976'.	May 1976
C.1072	'May 27 1976. Red cone #1, #2. Green cone #1 - two peaks in spatial profile'.	May 1976
C.1073	'May 31 1976. Pair #1 red cones'.	May 1976
C.1074	'June 2 1976. Pair #2. Red cones'.	June 1976
C.1075	'June 3 1976. Red cone pairs #1 - #4'.	June 1976
C.1076	'June 8 1976. Gain calibrations'.	June 1976
C.1077	'June 9 1976. Red cone pairs #1 - #4'.	June 1976
C.1078	'June 10 1976. Red cone pairs #1 and #2'.	June 1976
C.1079	'June 11 1976. Voltage and current calibrations'.	June 1976

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C.1080	Figures. Contents of a file.	1976
C.1081-C.1094	'Alphabetical sequence A-Z', contents of a box so inscribed. A piece of paper found in the box was inscribed thus: 'Dated files in this box filed behind 'Whittenberg' in alphabetical sequence. Part of pseudemys expts series?' Photocopied manuscript experimental data. Not in Hodgkin's hand. Contents of constituent files as follows:	1974-1976
C.1081	'March 1 1974. 3 cones (red). Int. series & Tung & Xenon flash. Cone #3. ERP & recovery after flash'.	March 1974
C.1082	'April 9 1974. Green cone: ΔI xenon. Red cone: 3 xenon flashes on -0.5 + 0 condit'.	April 1974
C.1083	'April 23 1974. 1) red cone - ΔI xenon. Bleaching & recovery of ERP'.	April 1974
C.1084	'May 7 1974. On-off ganglion cell - but run 12 (643). Bipolar cell; moving [?] 140u'.	May 1974
C.1085	'June 21 1974'.	June 1974
C.1086	'June 16 1976. Red cones #1 - #3, #5. Red green #4'.	June 1976
C.1087	'June 17 1976. Pair #1 red cones'.	June 1976
C.1088	'June 18 1976. #1 red cones. #2, #3 red-green. #4 - #6 red cones. #7 "red-green coupled cell" '.	June 1976

Research

C.1089	'July 29 1976. Red cones #1 - #3. Red-green cones #4'.	July 1976
C.1090	'July 30 1976'.	July 1976
C.1091	'August 2 1976. Green cone pair'.	August 1976
C.1092	'August 3 1976. Red cone pair'.	August 1976
C.1093	'August 4 1976. H cell pair coupled. Red cone pair #1 - #3. Red-green cone pair #4'.	August 1976
C.1094	'August 5 1976. Red-green pair #1. Red cone pairs #2 and #3'.	August 1976
C.1095-C.1105	'Misc. experiments', contents of a box so inscribed'. The material appears to relate to experiments on vision. Much of the material is in Hodgkin's hand. The titles of constituent files (listed in the order in which found) are as follows:	c.1972- c.1975, nd
C.1095	'Notebook one. T. Lamb - computation. Stronger flashes'. Manuscript and computer-generated experimental data.	c.1974
C.1096	'Coupled curves. Jan. 1972 fig'. Photocopied manuscript theoretical notes.	1972
C.1097	'Misc theory. Retina - early on. Baylor theory. Turtle cones'. Manuscript theoretical notes etc.	Nd

Research

C.1098	'Noise - ALH, Lamb'. Manuscript theoretical notes.	c.1975
C.1099	'Maths. Graphs with Baylor'. Manuscript data.	Nd
C.1100	'Computing tables (Hewlett-Packard)' Manuscript data etc.	c.1972-1974
C.1101	'Graphs for fitting. Poisson curves etc'. Manuscript data.	c.1972-1974
C.1102	'EDSAC. Limulus. Sterne. Pulse with background. Manuscript data.	c.1972-1974
C.1103	'EDSAC equations'. Manuscript theoretical notes.	c.1972-1974
C.1104	'EDSAC. Sterne'. Manuscript notes in the hand of M.D. Sterne (his signature appears after some); data.	c.1972-1974
C.1105	'EDSAC plots'. Manuscript data.	c.1972-1974

Research

C.1106-C.1120	Miscellaneous files. Titles of files are given where found. The material appears to relate to experiments on vision. Some of the material is in Hodgkin's hand.	1981-1988, nd
C.1106	'Exp. of Jan. 81'. Manuscript theoretical notes and analysis. In Hodgkin's hand.	January 1981
C.1107	'Tracings'. Tracings of graphs <i>re</i> experiments.	1983
C.1108	'Extra results including IBMX'. Photocopied manuscript data.	1983
C.1109	'Trevor et al. Results'. Manuscript experimental data, some photocopied.	September- October 1984
C.1110	'Application of theory to expts. Computing: unit impulse. 4 Dec. 1984 #1. Na-Li. Baylor & Nunn's figs & ms'. Manuscript analytical notes and data.	December 1984
C.1111	'Fitting file. possible figures - see also large figs'. Tracings of graphs etc.	1985
C.1112	'TDL Program. DE's'. 2 buffer model. Fitting of j vs charge and j vs time curves'. Graph tracings and data.	1985

Research

C.1113	'Trevor Lamb's computation on IBM. Called ALH 1. 5 April 1988'. Manuscript analytical notes in Hodgkin's hand.	April 1988
C.1114	'April 1988. Oscillations. Immediate working'. Equations in Hodgkin's hand.	April 1988
C.1115	Theory file 4. Square, cube or linear. Shape of flash response. See 2 Feb 1985 #3 analysis, 10 Oct 1986 #2 & #1 analysis. Summary file copied to Brian'. Manuscript notes, chiefly on theory, in Hodgkin's hand.	c.1986
C.1116	'Further simulations of ALH model 12 Apr 1988. ALH 2, ALH 3'. Data, chiefly computer-printed.	April 1988
C.1117	'Delay on [?inactivation]. [words illegible] And other recent theory'. Manuscript theoretical notes and data in Hodgkin's hand.	Nd
C.1118	'AFH's suggestion for optical bench'. 1p manuscript diagrams.	Nd
C.1119	'Misc. physics', contents of a file so inscribed. Manuscript theoretical notes.	Nd
C.1120	Miscellaneous manuscript theoretical notes.	Nd

Research

C.1121-C.1127	'Circuits'	1939-1960, nd
<p>Contents of a box so inscribed. The material appears to be chiefly c.1945 (from occasional dates on files or papers) and to relate to Hodgkin's work in designing electrical circuits. It appears to cover some of his later wartime work on airborne radar at the Telecommunications Research Establishment (TRE), 1940-1945, and work on the nerve impulse, which he resumed with A.F. Huxley in 1946. The few dates found inscribed on papers are usually post-June 1945, when he was discharged from the TRE. It is probable that some of the circuit diagrams represent Hodgkin's preparations for the resumption of the nerve impulse research (he and Huxley discussed their plans in the autumn of 1945).</p> <p>Titles on files are reproduced below.</p>		
C.1121	'1939 circuits'.	1939-c.1944
<p>Manuscript diagrams of electrical circuits with one letter (1944).</p>		
C.1122	'Electrical data'.	1944-1945, 1953
<p>Various papers <i>re</i> equipment for research at the TRE; a few later papers <i>re</i> electrical equipment.</p>		
C.1123	'Current circuits'.	1945-1949
<p>Manuscript diagrams of electrical circuits. The dates 'July 1945' and 'August 1945' are inscribed on a few papers. Included is a letter from A.F. Huxley to Hodgkin (June 1949) in which Huxley briefly reports on work at the M.B.A. Laboratory, Plymouth.</p>		
C.1124	'VX - 32B. Data etc'.	1948
<p>Brief correspondence etc <i>re</i> the purchase of vacuum tubes for Hodgkin's laboratory.</p>		

Research

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|--------|---|-------------|
| C.1125 | 'Circuits - old'. | c.1945-1960 |
| | Rough manuscript diagrams, manuscript notes (some in a hand other than Hodgkin's) and typescript papers relating to electrical circuits; manuscript notes (not in Hodgkin's hand) on blood and other physiological topics; letter from R.H. Cook (Hodgkin's instrument maker at the Physiological Laboratory) to T. Shaw <i>re</i> electrical equipment (1960). | |
| C.1126 | Contents of an unmarked file. | Nd |
| | Manuscript data and notes <i>re</i> experiments (there is a reference to 'crab nerve' on one paper). | |
| C.1127 | Miscellaneous manuscript diagrams of electrical circuits. | Nd |
| | Mostly copies. | |

Catalogue of the papers and correspondence of

Sir Alan Lloyd Hodgkin OM FRS

(1914 - 1998)

VOLUME 3

Section D, Drafts and publications

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Index of correspondents

by Simon Coleman, Peter Harper and Timothy E. Powell

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SECTION D	DRAFTS AND PUBLICATIONS, D.1-D.464	c.1938-1988, nd
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D.1-D.437	DRAFTS
D.438-B.463	EDITORIAL CORRESPONDENCE
D.464-D.465	OFF-PRINTS

D.1-D.437	DRAFTS	c.1938-1988, nd
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Drafts of papers by, or co-authored by, Hodgkin with accompanying manuscript experimental data, calculations, equations etc. Included is correspondence with co-authors.

Arranged chronologically by date of publication.

D.1-D.20	Contents of 2 box files, one inscribed 'Resting Action Potential - notes and data 1939-1945 unpublished MS Conduction velocity theory'; the other inscribed 'Resistance length etc - conduction rate 1938 1939'.	c.1938- c.1944
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The material in these files was found to relate to the paper 'Resting and action potentials in single nerve fibres', with A.F. Huxley, *Journal of Physiology* 104, 1945, and to an unpublished paper described in D.8-D.20 below. Material relating to both papers appeared in each file and the following arrangement attempts to reflect the distinction between the two intended publications.

D.1-D.7	'Resting and action potential in single nerve fibres'.
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D.1	'Resting and Action Potential. Original MS'.
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43pp manuscript and typescript draft so entitled, with extensive manuscript revisions.

D.2	Later typescript draft with manuscript revisions. Draft figures are included.
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Drafts and publications

D.3-D.4	<p>Typescript, revised from the draft in D.2, with further manuscript and typescript revisions. Figures are included.</p> <p>2 folders.</p>	
D.5-D.7	<p>Manuscript draft (unidentified) and theoretical notes, apparently relating to this paper. Included at D.6 is a letter to Hodgkin from Rawdon Smith (December 1939) <i>re</i> experimental equipment.</p> <p>These papers were found with the typescripts of the paper in D.2-D.4.</p> <p>3 folders.</p>	<p>c.1938- c.1944</p>
D.8-D.20	<p>Unpublished paper: 'The theoretical relation between conduction velocity and external resistance and between velocity and diameter in non-medullated nerve fibres'.</p>	<p>c.1938- c.1944</p>
D.8	<p>Early manuscript draft (with the above title) and manuscript theoretical notes, contents of a file.</p> <p>Included is a letter to Hodgkin (1944) from William [?] <i>re</i> Hodgkin's paper etc and manuscript notes on the paper in the same hand.</p>	<p>c.1938- c.1944</p>
D.9	<p>Later 19pp manuscript draft with revisions.</p> <p>A page from [?another] manuscript draft is included.</p>	<p>c.1938- c.1944</p>
D.10	<p>Typescript and manuscript draft with extensive manuscript revisions; typescript revised version.</p>	<p>c.1938- c.1944</p>
D.11	<p>'An account of experiments performed on the giant fibre of the squid by A.L Hodgkin and A.F. Huxley in August 1939',</p> <p>Incomplete 13pp typescript so entitled, with manuscript revisions in Hodgkin's hand.</p>	<p>1939</p>

Drafts and publications

D.12	'Resistance data', contents of a file so inscribed. Manuscript experimental data.	1938
D.13	'Resistance length', contents of a file so inscribed. Manuscript experimental data.	1938
D.14	'Preliminary resistance length', contents of a file so inscribed.	1938
D.15	'Conduction rate data', contents of a file so inscribed. Manuscript experimental data.	1938
D.16	'Resistance calculations', contents of a file so inscribed. Manuscript equations and one page of a rough manuscript draft.	c.1938
D.17-D.18	'D.C. Resistance. Data and analysis', contents of a file so inscribed. Manuscript data and theoretical notes. 2 folders.	c.1938
D.19	'Size of spikes', contents of a file so inscribed.	c.1938
D.20	Miscellaneous manuscript notes and data.	c.1938- c.1944

Drafts and publications

D.21-D.44	<p>'The electrical constants of a crustacean nerve fibre', with W.A.H. Rushton, <i>Proceedings of the Royal Society B</i> 133, 1946.</p> <p>Contents of a box file inscribed '1939-1945. Electrical constants, lobster data & notes for paper'.</p>	1939-1945
D.21	46pp typescript and manuscript draft with manuscript revisions. Legends for figures are included.	
D.22	Later typescript draft with manuscript revisions.	
D.23-D.24	<p>'Membrane R & C. Notes and calculations'.</p> <p>36pp manuscript draft of the paper; parts of other manuscript drafts and some pages of notes.</p> <p>A few notes are in a hand other than Hodgkin's.</p> <p>2 folders.</p>	
D.25	<p>'May 5. Preparation 2', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1939
D.26	<p>'15.5.39', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1939
D.27	<p>'May 21', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1939
D.28	<p>'May 31', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1939

Drafts and publications

D.29	'June 7', contents of a file so inscribed. Manuscript experimental data.	1939
D.30	'June 13', contents of a file so inscribed. Manuscript experimental data.	1939
D.31	'June 14', contents of a file so inscribed. Manuscript experimental data.	1939
D.32	'June 20', contents of a file so inscribed. Manuscript experimental data.	1939
D.33	'June 25. Axon II. End for figures', contents of a file so inscribed. Manuscript experimental data.	1939
D.34	'June 25. Axon II. Beginning of experiment (first reel)', contents of a file so inscribed. Manuscript experimental data.	1939
D.35	'June 25. Axon II reel 2. 1939', contents of a file so inscribed. Manuscript experimental data.	1939
D.36	'June 25 Axon I', contents of a file so inscribed. Manuscript experimental data.	1939
D.37	'June 27', contents of a file so inscribed. Manuscript experimental data.	1939

Drafts and publications

D.38	'June 29', contents of a file so inscribed. Manuscript experimental data.	1939
D.39	'Membrane resistance & capacity', contents of a file so inscribed. Manuscript experimental data.	1939
D.40	'Membrane R & C - spare table', contents of a file so inscribed. Brief manuscript data.	1939
D.41	'Membrane R & C theoretical curves', contents of a file so inscribed. Manuscript graphs.	1939
D.42	'Miscellaneous tables and information', contents of a file so inscribed. Manuscript data etc for paper.	1939
D.43	Figures.	1939
D.44	Theoretical notes, contents of an unmarked file.	c.1939
D.45-D.65	'Potassium leakage from an active nerve fibre', with A.F. Huxley, <i>Journal of Physiology</i> 106, 1947. Contents of a box file entitled '1946 potassium & carcinus'.	1945-c.1947
D.45	Manuscript draft; manuscript notes and data, some in A.F. Huxley's hand.	

Drafts and publications

D.46	Manuscript draft.	
D.47	Typescript draft, with manuscript revisions, and figures.	
D.48	<p>Contents of a file inscribed 'Letter to Nature'.</p> <p>Hodgkin and Huxley appear to have written the letter which relates to the experiments covered in this article.</p> <p>3pp manuscript draft of the letter entitled 'Apparent potassium leakage from an active nerve fibre'; typescript draft and typescript revised version, both with the same title as the published article.</p>	
D.49	<p>'March 15', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1946
D.50	<p>'March 23 1946. Linearity of membrane resistance', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1946
D.51	<p>'March 25th 1946. Linearity of membrane resistance', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1946
D.52	<p>'Change in large volume of sea water. April 23rd, July 5th, July 9', contents of a file so inscribed.</p> <p>Manuscript experimental data and theoretical notes.</p>	1946
D.53	<p>'27.4.46. Tetanising effect and L in oil', contents of a file so inscribed.</p> <p>Manuscript data and analytical notes.</p>	1946

Drafts and publications

D.54	<p>'May 1 1946. Number of impulses and β', contents of a file so inscribed.</p> <p>Manuscript data and calculations, some in A.F. Huxley's hand.</p>	1946
D.55	<p>'May 13 & May 15. Long tetani', contents of a file so inscribed.</p> <p>Manuscript experimental data, mostly in A.F. Huxley's hand.</p>	1946
D.56	<p>'May 20 1946. Comparison of 30mM KCl & tetanus', contents of a file so inscribed.</p> <p>Manuscript experimental data, mostly in A.F. Huxley's hand.</p>	1946
D.57	<p>'May 22. KCl on C & R change', contents of a file so inscribed.</p> <p>Manuscript experimental data and calculations.</p>	1946
D.58	<p>'May 27 1946. 1 min tetanus & 30 mM KCl', contents of a file so inscribed.</p> <p>Brief manuscript experimental data in A.F. Huxley's hand.</p>	1946
D.59	<p>'May 29 & June 3. "Dunking" in SW'.</p> <p>Manuscript experimental data, mostly in A.F. Huxley's hand.</p>	1946
D.60	<p>'July 23 1946'.</p> <p>Manuscript experimental data.</p>	1946

Drafts and publications

D.61-D.65	Miscellaneous manuscript experimental data and theoretical notes etc. Chiefly in Hodgkin's hand. Included at D.63 is a letter from A.F. Huxley to Hodgkin re a mathematical formula. 5 folders.	December 1945-1946
D.66-D.73	'1947 Repetitive action Carcinus & K paper MS', contents of a box file so inscribed.	1946-1947
D.66-D.67	'The effect of potassium on the surface membrane of an isolated axon', <i>Journal of Physiology</i> 106, 1947.	
D.66	Manuscript draft with manuscript notes. Some pages appear to be disarranged; they have been kept in the order in which found.	
D.67	34pp typescript draft.	
D.68-D.71	'The local electric changes associated with repetitive action in a single nerve fibre', <i>Abstr. Commun. XVII int. physiol Congr. Oxford</i> , 1947.	
D.68	25pp typescript draft, with manuscript revisions, and figures.	
D.69-D.70	Manuscript data etc. Found with the draft in D.68. 2 folders.	
D.71	Figures.	

Drafts and publications

- D.72-D.73 'The membrane resistance of a non-medullated nerve fibre', *Journal of Physiology* 106, 1947.
- D.72 16pp typescript draft, with manuscript revisions, and figures.
- D.73 A few pages of another typescript draft.

Included are manuscript drafts of texts for figures.
- D.74-D.82 '1947 Carrier calcn. AFH calc Laplace Transverse Theory', contents of a box so inscribed. 1947
- D.74-D.75 'Activity and rectification. Theory 1947', contents of a file so inscribed.

Manuscript theoretical notes.

2 folders.
- D.76-D.77 'The cable-like properties of nerve'.
- D.76 Manuscript draft entitled 'The electrical structure of nerve: cable theory'; manuscript theoretical notes.

This draft is an early version of the draft in D.77.
- D.77 27pp manuscript draft entitled 'The cable-like properties of nerve'; manuscript theoretical notes.
- D.78 'Cable properties (1)', contents of a file co inscribed.

26pp manuscript draft entitled 'Application of cable theory to the propagated action potential: conduction velocity'; photocopy of a typescript draft with the same title.

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Drafts and publications

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Included also are manuscript notes, some headed 'A.F.H.'s Notes on Conduction Velocity' with an inscription '?From 1950-1951 Notebook' (the remainder of the notes are later in date).

The draft is for a chapter of an unidentified book.

D.79 'Transverse theory. Cole etc', contents of a file so inscribed.

Manuscript theoretical notes, a few in an unidentified hand.

D.80 'Transverse impedance', contents of a file so inscribed.

Manuscript draft entitled 'Electrical measurements with transverse electric fields'.

The pages are in a partly disarranged state. Manuscript notes are included.

D.81 'Saltatory conduction etc', contents of a file so inscribed.

2 manuscript drafts, entitled 'Saltatory conduction in myelinated nerve' and 'Conduction velocity in myelinated axons', of chapters for a book (see D.78); letter from A.F. Huxley to Hodgkin; manuscript theoretical notes.

D.82 Miscellaneous manuscript theoretical notes.

D.83-D.93 'Book. MS & notes', contents of a box file so inscribed.

c.1947

Apparently unpublished. The intended titles of some sections and chapters are not always clear.

D.83 'Book MS', contents of a file so inscribed.

Manuscript drafts of various chapters.

Drafts and publications

- D.84-D.85 'Book', contents of a file so inscribed.
- Typescript drafts, with manuscript revisions and additions, of various chapters, all headed '1st draft'; a few manuscript draft pages of figures etc.
- 2 folders.
- D.86 'RHA', contents of a file so inscribed.
- Typescript draft of a chapter, headed '1st draft', with manuscript revisions and additions.
- See D.91 for a manuscript draft of the chapter.
- D.87 'Chapter 1', contents of a file so inscribed.
- Manuscript draft with extensive revisions.
- D.88 'Chapter 2', contents of a file so inscribed.
- Manuscript draft; a few pages of another manuscript draft or drafts.
- D.89 'Ions and electrical potential difference', contents of a file so inscribed.
- Manuscript draft of a chapter or chapters, with further manuscript notes.
- D.90 'Cable maths', contents of a file so inscribed.
- Manuscript mathematical equations.
- D.91 'K⁺, Cl⁻ and the resting potential of skeletal muscle', contents of a file so inscribed.
- Manuscript draft so entitled.
- See D.86 for typescript version.

Drafts and publications

- D.92 'Muscle. Potential data & Donnan', contents of a file so inscribed.
- Chiefly manuscript theoretical notes and calculations.
- D.93 'Rough - can probably be thrown away', contents of a file so inscribed.
- Manuscript draft.
- D.94-D.96 'Sodium theory history', contents of a box file so inscribed. 1939-1957
- D.94 'Math. Theory. Carriers & inactivation 1948', contents of a file so inscribed. c.1947-1948
- 21pp typescript draft entitled 'A theoretical model of nervous transmission' [with A.F. Huxley], with manuscript additions and annotations. Manuscript drafts of figures are included.
- On the title page is a note in Hodgkin's hand dated '17.7.70' which details the history of the paper. It was completed in March 1948 but its theories were overtaken by experimental results. Only a few calculations from it were published in the paper 'Ionic currents underlying activity in the giant axon of the squid', with A.F. Huxley and B. Katz, *Arch. Sci. Physiol. III*, 1949.
- D.95-D.96 'History Na theory etc', contents of a file so inscribed.
- D.95 'The effect of sodium ions on the electrical activity of the giant axon of the squid', with B. Katz, *Journal of Physiology* 108, 1949.
- 2pp manuscript draft, probably incomplete.
- D.96 Three sets of manuscript theoretical notes and calculations by Hodgkin; related notes by A.F. Huxley; brief correspondence; off-print. 1939-1957

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Drafts and publications

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This material appears to relate to an attempt by Hodgkin and A.F. Huxley in 1957 to establish the chronology of the 'sodium hypothesis' regarding the electrical activity of squid axons. The hypothesis emerged during the experiments at Plymouth, 1947.

On the first page of each of the three sets of notes is a later manuscript note by Hodgkin ?[November 1957] indicating the date, or approximate date, of writing. One of the sets includes a longer note [November 1957] giving Hodgkin's recollections of theoretical analysis (*re* the sodium hypothesis) with A.F. Huxley, c.1946-1947. Huxley's notes (November 1957) are in response to 'ALH's notes dated 6.xi' and give his recollections of the aforementioned theoretical analysis.

The correspondence is as follows: a letter from Huxley to Hodgkin, November 1945 [1946] *re* plans to continue their work (interrupted in 1939 by the outbreak of war) and S.A.S. Krogh's Croonian Lecture (1946); a letter from Hodgkin to K.S. Cole (1946) *re* Hodgkin's and Huxley's nerve experiments. Both letters are relevant to the notes described above.

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| D.97-D.98 | 'Membrane potentials in single fibres of of the frog's <i>sartorius</i> muscle', <i>Journal of Physiology</i> 108, 1948 [sic - <i>Biographical Memoirs of Fellows of the Royal Society</i> vol.46]. | |
| D.97 | 25pp manuscript draft (and parts of further manuscript drafts); a few pages of typescript drafts; correspondence (1948-1949) with scientific colleagues and publishers in the USA mostly <i>re</i> the paper and related experimental work (found with the drafts). | c.1948-1949 |
| D.98 | Rough manuscript draft, probably of the article in D.97, with rough notes. | |
| D.99-D.108 | 'Sodium & electrical activity 1947-1948 & temp curvature & Ca axoplasm', contents of a box file so inscribed. | |
| D.99-D.107 | 'The Effect of sodium ions on the electrical activity of the giant axon of the squid', with B. Katz, <i>Journal of Physiology</i> 108, 1949. | |

Drafts and publications

D.99-D.100	48pp manuscript draft, with figure legends etc. 2 folders.	
D.101-D.102	Typescript draft with manuscript revisions. 2 folders.	
D.103-D.107	Manuscript experimental data and calculations etc. Some papers are in the hand of B. Katz. Included at D.104 are letters (1948-1949) from Katz to Hodgkin <i>re</i> the paper, research work and general matters.	1947-1949
D.108	'The effect of calcium on the axoplasm of giant nerve fibres', with B. Katz, <i>Journal of Experimental Biology</i> 26, 1949. 6pp typescript draft with manuscript revisions.	
D.109-D.113	'The ionic basis of electrical activity in nerve and muscle', <i>Biological Review</i> , 1951.	
D.109	Incomplete rough manuscript draft (or drafts) in a disarranged state.	
D.110	'Review calculations", contents of a file so inscribed. Manuscript calculations etc.	1948
D.111	Correspondence (including draft letters by Hodgkin) with various scientists chiefly <i>re</i> the paper etc.	1950-1951, 1955, nd
D.112	Manuscript calculations and data. Contents of an unmarked file.	c.1948-1951

Drafts and publications

D.113	Further manuscript calculations and data, with a few pages of a manuscript draft. Contents of an unmarked file.	c.1948-1951
D.114-D.124	'Voltage clamp. Photographs. Figs (spare). MS (prelim). 1948 anal. AFH's numerical calculations (taken 18.9.55 AFH)', contents of a boxfile so inscribed.	c.1948- c.1952
D.114-D.116	'A quantitative description of membrane current and its application to conduction and excitation in nerve', with A.F. Huxley, <i>Journal of Physiology</i> 117, 1952.	c.1952
D.114-D.115	52pp manuscript draft, with figure legends, tables etc. A few pages are in the hand of A.F Huxley. Included at D.115 is a letter (1952) from Huxley to Hodgkin <i>re</i> the publication. 2 folders.	
D.116	Figures with typescript legends.	
D.117	Contents of a file inscribed 'Before 4.8.48'. Manuscript graphs and equations.	1948
D.118	Contents of a file inscribed '4.8.48'. Manuscript graphs and calculations.	1948
D.119	Contents of a file inscribed '11.8.48'. Manuscript calculations and graphs.	
D.120-D.121	Manuscript experimental data and theoretical notes. Some papers are in A.F. Huxley's hand. 2 folders.	1948

Drafts and publications

- D.122 'Permeability changes Part II. The time course of the sodium current', contents of a file so inscribed.
- 17pp manuscript draft entitled 'II The time course of the sodium castle', with figures.
- D.123 'Permeability changes Part III. The sodium conductance', contents of a file so inscribed.
- 17pp manuscript draft entitled "III The sodium conductance'.
- D.124 Material for figures etc and a few pages of a manuscript draft.
- The material may relate to the draft in D.114-D.116 or to another publication.
- D.125-D.132 'Mobility 1949-1952. K transport & current. 1950-52', 1949-1952
contents of a box file so inscribed.
- D.125 'The mobility and diffusion coefficient of potassium in giant axons from *sepia*', with R.D. Keynes, *Journal of Physiology* 119, 1953.
- 20pp manuscript draft with figure legends.
- D.126-D.128 'Mobilities 1949 & 1950', contents of a file so inscribed. 1949-1952
- Manuscript data and calculations.
- 3 folders.
- D.129 'Mobility', contents of a file so inscribed.
- Manuscript theoretical notes.

Drafts and publications

D.130-D.131	<p>'Membrane current & flux of K', contents of a file so inscribed.</p> <p>Manuscript experimental data and calculations. In D.130 are a few pages of a manuscript draft. In D.131 are a few pages of a manuscript draft lecture.</p> <p>A few pages are in A.F. Huxley's hand.</p> <p>2 folders.</p>	1949-1950
D.132	<p>'Spare figures', contents of a file so inscribed.</p>	
D.132A	<p>Untitled manuscript and typescript drafts of a paper (or papers); correspondence <i>re</i> publication (<i>Journal of Physiology</i>).</p>	1954
D.133-D.150	<p>'After-effects. Active transport', contents of a file so inscribed.</p> <p>The papers in these folders appear to all relate to the two publications described in D.133-D.138. The material in D.139-D.150 appears to have been used in the preparation of one or both of the publications.</p>	c.1949- c.1956
D.133-D.137	<p>'The after-effects of impulses in the giant nerve fibres of <i>Loligo</i>', with B. Frankenhaeuser, <i>Journal of Physiology</i> 131, 1956.</p>	
D.133-D.134	<p>50pp manuscript draft with figure legends (a few typescript) etc.</p> <p>2 folders.</p>	
D.135-D.136	<p>Typescript draft with manuscript revisions and inserts.</p> <p>2 folders.</p>	

Drafts and publications

D.137	<p>'After-effects misc', contents of a file so inscribed.</p> <p>Brief correspondence <i>re</i> the paper and related research, 1955; pages of a manuscript draft or drafts.</p>	1955
D.138	<p>'Active transport of cations in giant axons from <i>sepia</i> and <i>loligo</i>', with R.D. Keynes, <i>Journal of Physiology</i> 128, 1955.</p> <p>45pp manuscript draft (untitled) of the paper.</p>	
D.139-D.142	<p>'Sodium outflux Oct. 1951', contents of a file so inscribed.</p> <p>Manuscript experimental data and calculations etc. Included are a few pages of manuscript and typescript drafts.</p> <p>4 folders.</p>	1951-1954
D.143	<p>'4.XI.55 K calib etc', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1954-1955
D.144	<p>'Physiology. R.D. Keynes', contents of a file so inscribed.</p> <p>Typescript summaries of experimental results.</p>	1952
D.145-D.150	<p>Miscellaneous data, calculations, theoretical notes and drafts for tables and figures.</p> <p>6 folders.</p>	c.1949-1954
D.151-D.177	<p>Contents of two box files inscribed respectively 'Calcium voltage clamps with Frankenhaeuser. 1954 exp.' [1] 'Ca 45 etc. Microinjection. Ca unpublished records. Ca - voltage clamps (overflow)'. [2]</p>	

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Drafts and publications

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These two box files have been listed together as a large part of their contents relates to Hodgkin's paper with Frankenhaeuser (see D.151-D.167 below). For convenience they are referred to as [1] and [2].

The material in D.169-D.177 almost certainly relates to one or both of the two publications described in these folders.

D.151-D.167	'The action of calcium on the electrical properties of squid axons', with B. Frankenhaeuser, <i>Journal of Physiology</i> 137, 1957.	1954-1957
D.151	39pp manuscript draft. Found in box file [2].	
D.152	Typescript draft with manuscript revisions, some in an unidentified hand. Found in box file [1].	
D.153	Typescript draft with further manuscript revisions. Found in box file [2].	
D.154-D.155	Correspondence between Hodgkin and Frankenhaeuser, chiefly <i>re</i> the work on their paper. Included is a small amount of other correspondence <i>re</i> the paper's publication. 2 folders. Found in box file [1].	1954-1957
D.156-D.159	'Before 13.X.54', contents of a file so inscribed. Manuscript experimental data and theoretical notes. 4 folders. Found in box file [1].	1954

Drafts and publications

D.160-D.161	Contents of a file inscribed with several dates in 1954 followed by '& summary'. Manuscript experimental data. 2 folders. Found in box file [1].	1954-1955
D.162-D.164	Manuscript experimental data. Found loose in box file [1]. 3 folders.	1954
D.165	Proof of the paper with manuscript revisions. Found in box file [2].	
D.166-D.167	Miscellaneous papers including a few pages of a rough manuscript draft, data, graph tracings and material for figures. Found in box file [1]. 2 folders.	c.1954
D.168	'Movements of labelled calcium in squid giant axons', with R.D. Keynes, <i>Journal of Physiology</i> 138, 1957. Proof with manuscript revisions. Found in box file [2].	1957
D.169	Manuscript pages of data and notes or drafts. Found loose in box file [2].	

Drafts and publications

D.170-D.176	Photographs, contents of an envelope inscribed 'Microinjection photographs Plymouth 1954'. The photographs were contained in further small envelopes, the inscriptions on which are reproduced below.	1954
D.170	'Microinjection 23.ix.53. Axon 1: injection of aniline blue, photographed h.p.'	1953
D.171	'Microinjection 23.ix Eosin into Axon 2 h.p. (2nd series of prints)'.	1953
D.172	'Microinjection 23.ix.53 Reel 2: injected with methylene blue photographed h.p.'	1953
D.173	'Microinjection 25.ix.53 Axon 3 injected with methylene blue: photographed l.p'.	1953
D.174	'Microinjection. Low power pictures: 2nd lot of prints'.	1953 or 1954
D.175	'Microinjection of the blue'.	1953
D.176	Loose photographs.	
D.177	Figures.	
D.178-D.192	'~P. [mu] injection partial inhibition. Caldwell, Hodgkin, Keynes, Shaw. Diffusion calcm', contents of a box file so inscribed.	1958-1964

Drafts and publications

- D.178 'The link between metabolism and ionic movements in giant nerve fibres. An account of recent experiments by P.C. Caldwell, R.D. Keynes, T.I. Shaw and the author', *Abstr. Symp. XXI International Physiological Congress, Buenos Aires, 1959.*
- 12pp typescript draft with manuscript revisions.
- D.179 'Injections of compounds containing 'energy-rich' phosphate bonds into giant nerve fibres', with P.C. Caldwell and T.I. Shaw, *Journal of Physiology* 147, 1959. 1958
- Three pages of an incomplete typescript draft with manuscript revisions; correspondence (1958) chiefly *re* the paper and related research, found with the draft.
- D.180 Various manuscript notes and draft pages etc.
- Found with the draft and correspondence in D.179.
- D.181 'The effects of injecting 'energy-rich' phosphate compounds on the active transport of ions in the giant axons of *Loligo*', with P.C. Caldwell, R.D. Keynes and T.I. Shaw, *Journal of Physiology* 152, 1960.
- Proof with manuscript revisions and manuscript draft of abstract.
- D.182 'Partial inhibition of the active transport of cations in the giant axons of *Loligo*', with P.C. Caldwell, R.D. Keynes and T.I. Shaw, *Journal of Physiology* 152, 1960. 1960
- Incomplete typescript draft with manuscript revisions and inserts; proof with manuscript revisions; brief correspondence *re* the proof, 1960.
- D.183-D.184 '1958 injection', contents of a file so inscribed.
- The following correspondence and papers relate to some, or all, of the publications described in D.178-D.182.
- D.183 Correspondence with P.C. Caldwell *re* preparation of manuscripts for publication and related research. 1959-1960

Drafts and publications

D.184	Manuscript data for use in publications.	c.1958-1959
D.185-D.186	Photographs and letter to Hodgkin from T.I. Shaw (1960). Contents of a file inscribed 'Photographs of chromatograms (1959)'. 2 folders.	1959-1960
D.187-D.188	'The rate of formation and turnover of phosphorus compounds in squid giant axons', with P.C. Caldwell, R.D. Keynes and T.I. Shaw, <i>Journal of Physiology</i> 171, 1964.	
D.187	17pp typescript draft with manuscript revisions in P.C. Caldwell's hand; manuscript theoretical notes; draft letter (undated) from Hodgkin to Caldwell. The title of the draft is 'Studies on the rate of formation and turnover of phosphorus compounds in squid giant axons'. Contents of a file.	
D.188	Letters (1964) to Hodgkin from P.C. Caldwell <i>re</i> preparation of the manuscript; manuscript theoretical notes and calculations.	1964
D.189	'The effect of metabolic inhibitors on the fluxes of sodium and potassium in the giant axons of <i>loligo</i> '. Typescript draft of the [?abstract] of the paper. No evidence of publication.	
D.190-D.191	Manuscript data, figures etc relating to some of the publications described in D.178-D.189. The material could not be identified as relating to a particular publication or publications.	

Drafts and publications

D.190	'Tables', contents of a file so inscribed. Manuscript data.	
D.191	Miscellaneous material for figures.	
D.192	A few pages of an untitled typescript draft.	
D.193-D.207	Contents of a box file inscribed 'Muscle. Tracers. K & Cl. Hodgkin & Horowicz 1960'. See C.224-C.241 for related material.	1956-1959
D.193-D.195	'Movements of Na and K in single muscle fibres', with P. Horowicz, <i>Journal of Physiology</i> 145, 1959.	1958-1959
D.193	Proof with manuscript revisions.	1959
D.194	Correspondence <i>re</i> preparation of the manuscript.	1958
D.195	Draft tables for the paper; rough manuscript notes in A.F. Huxley's hand. Found with the correspondence in D.194.	1958
D.196-D.203	'The influence of potassium and chloride ions on the membrane potential of single muscle fibres', with P. Horowicz, <i>Journal of Physiology</i> 148, 1959.	1956-1959
D.196-D.197	'K & Cl paper. Copy of 1st draft', contents of a file so inscribed. 46pp typescript draft with manuscript revisions; further typescript and manuscript pages of [?another] draft; manuscript draft figures and tables; letter (undated) to Hodgkin from R.H. Adrian (D.196). 2 folders.	

Drafts and publications

D.198	Correspondence <i>re</i> preparation of the manuscript.	1959
D.199	Incomplete (untitled) typescript draft with manuscript revisions; a few pages of data.	
D.200-D.202	Incomplete manuscript draft (D.202); manuscript data and notes <i>re</i> the paper. Contents of an unmarked file. 3 folders.	1958-1959
D.203	Miscellaneous data and notes apparently relating to this paper. Contents of an unmarked file.	1956-c.1959
D.204-D.205	Manuscript data and notes etc probably relating to one of the papers described in D.193-D.203. Some papers in the hand of P. Horowicz. Included at D.204 are a few drafts of related letters (1957, undated) by Hodgkin. Contents of a file inscribed 'Tracer data'. 2 folders.	1957
D.206-D.207	Data, mostly manuscript, for figures etc. 2 folders.	c.1957-1959
D.207A	'The effect of sudden changes in ionic concentration on the membrane potential of single muscle fibres', with P. Horowicz, <i>Journal of Physiology</i> 153, 1960. 21pp typescript draft, with manuscript corrections, and figure legends; draft (undated) of a letter from Hodgkin to Horowicz.	c.1960

Drafts and publications

- D.208-D.221 'Perfusion. 1961-2. Baker Hodgkin Shaw 1962', 1961-c.1962
contents of a box file so inscribed.
- D.208-D.210 'Replacement of the axoplasm of giant nerve fibres with
artificial solutions', with P.F. Baker and T.I. Shaw, *Journal
of Physiology* 164, 1962.
- D.208 'Replacement of axoplasm. Top copy 1st draft', contents
of a file so inscribed.
- Manuscript and typescript draft pages (found in a
disarranged state and not *re*-arranged.
- Some pages in an unidentified hand.
- D.209 45pp typescript draft with manuscript revisions.
- D.210 Proof with manuscript revisions.
- D.211-D.212 'The effects of changes in internal ionic concentrations on
the electrical properties of perfused giant axons', with
P.F. Baker and T.I. Shaw, *Journal of Physiology* 164,
1962.
- D.211 23pp typescript draft, with manuscript revisions, and draft
tables.
- D.212 Proof with manuscript revisions.
- D.213 'Replacement of the protoplasm of a giant nerve fibre
with artificial solutions', with P.F. Baker and T.I. Shaw,
Nature 190, 1961.
- Proof with manuscript revisions and related letter (1961).

Drafts and publications

D.214-D.216	<p>'Perfusion. Measurement', contents of a file so inscribed.</p> <p>Chiefly manuscript experimental data and notes. An incomplete (untitled) manuscript draft is at D.216.</p> <p>3 folders.</p>	1961-c.1962
D.217	<p>'Perfusion data', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1961
D.218	<p>'Perfusion', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1961
D.219	<p>'19.12.61. 4 & 6', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1961
D.220	<p>'19 & 20.12.61. For print', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1961
D.221	<p>Miscellaneous manuscript data, notes and figures relating to one or more of the papers D.208-D.213.</p>	c.1961-1962
D.222-D.238	<p>'Squid ~P injection. 1958-1959 data', contents of a file so inscribed.</p>	1962-c.1964
D.222	<p>'Internal potassium concentration and the action potential of giant axons of <i>Loligo</i>', with P.F. Baker and H. Meves, <i>Journal of Physiology</i> 167, 1963.</p> <p>2 pages of a manuscript draft; typescript draft with manuscript revisions in an unidentified hand.</p>	
D.223-D.228	<p>'The effect of diluting the internal solution on the electrical properties of a perfused giant axon', with P.F. Baker and H. Meves, <i>Journal of Physiology</i> 170, 1964.</p>	

Drafts and publications

D.223	Incomplete early manuscript draft.	
D.224	11pp manuscript draft; manuscript notes.	
D.225-D.226	Contents of a file inscribed 'MS'. Various drafts of the paper, manuscript and typescript, with related correspondence (1963) in D.225. 2 folders.	1963
D.227	Two further typescript drafts (one incomplete) with manuscript revisions.	
D.228	Proof with manuscript revisions; related letter (undated).	c.1963
D.229	'Donnan theory etc', contents of a file so inscribed. Manuscript calculations.	c.1963
D.230	'10.12.62 (1)', contents of a file so inscribed. Manuscript experimental data.	1962
D.231	'Critical potentials', contents of a file so inscribed. Manuscript experimental chiefly in the hand of [?H. Meves].	c.1962
D.232	'AP + dv/dt', contents of a file so inscribed. Manuscript experimental data and notes in the hand of [?H. Meves].	c.1962

Drafts and publications

D.233	<p>'Perfusion paper', contents of a file so inscribed.</p> <p>Manuscript experimental data and notes in the hand of [?H. Meves]; draft letter from Hodgkin to Meves [?1962].</p>	1962
D.234	<p>'Resting potential', contents of a file so inscribed.</p> <p>Manuscript experimental data chiefly in the hand of [?H. Meves].</p>	c.1962
D.235	<p>'Index', contents of a file so inscribed.</p> <p>Manuscript notes <i>re</i> experiments in the hand of [?H. Meves].</p>	c.1962
D.236	<p>'Figures', contents of a file so inscribed.</p> <p>Manuscript notes <i>re</i> figures etc.</p>	c.1962
D.237	<p>Letter to Hodgkin from H. Meves enclosing a manuscript of a paper (in German) by the latter, with Hodgkin's reply.</p>	1963
D.238	<p>Miscellaneous papers.</p>	
D.239-D.255	<p>Contents of two box files inscribed respectively 'Limulus MSS figures. Some expts' [1] '1959 Misc. EDSAC & vision & reprints' [2].</p> <p>These boxfiles have been listed together because most of their contents relate to Hodgkin's paper with M.G.F. Fuortes described in D.239-D.249. They are referred to as [1] and [2] for convenience.</p> <p>The collaboration between Hodgkin and Fuortes on <i>limulus</i> took place at The Marine Biological Laboratory, Woods Hole, Massachusetts, in the summer of 1962, during Hodgkin's visit to the USA.</p>	1962-1964

Drafts and publications

- D.239-D.249 'Changes in time scale and sensitivity in *Limulus ommatidia*', with M.G.F. Fuortes, *Docum. Ophthalmol. XVIII*, 1964.
- See C.242-C.263 for related material.
- D.239 Incomplete (untitled) manuscript draft; manuscript draft entitled 'The effect of adaptation to light on the generator potentials in the ommatidia of *Limulus*' (alternative title of the paper).
- Found in box file [2].
- D.240 Correspondence between Hodgkin and Fuortes concerning preparations for, and immediately arising from, their joint research. March-August 1962
- Included are related pages of manuscript experimental data.
- Found in box file [2].
- D.241 Early typescript and manuscript draft with manuscript revisions; typescript draft with manuscript revisions.
- Found in box file [1].
- D.242 Typescript draft with manuscript revisions; later 25pp typescript draft with further manuscript revisions; a few manuscript and typescript pages from other drafts.
- Contents of an unmarked file.
- Found in box file [1].
- D.243-D.244 Correspondence *re* preparation of the manuscript. 1963-1964
- Mostly 1963.
- 2 folders.
- Found in box file [1].

Drafts and publications

D.245	Further correspondence, notes and data <i>re</i> the paper. Contents of a file inscribed 'Letters and information from Mike Fuortes'. Found in box file [2].	1963-1964
D.246	Manuscript and typescript experimental data, with letter from Fuortes (1963). Found in box file [1].	1963
D.247-D.248	Material for figures. 2 folders. Found in box file [1].	
D.249	Manuscript data for the paper. Contents of a file.	
D.250	'The relation between stimulus and response in a photoreceptor: an attempt at a quantitative description'. 10pp manuscript draft of a paper (Hodgkin and Fuortes). On the first page is the following note: 'First draft of Theory paper which will not be published in this form'. Also inscribed is the date 'March 1963'. Found in box file [2].	1963
D.251	'August 1st 1960', contents of a file so inscribed. Manuscript experimental data.	1960
D.252	'August 3 1960', contents of a file so inscribed. Manuscript experimental data.	1960

Drafts and publications

D.253	<p>'DeVoe. Tracings etc'.</p> <p>Manuscript experimental data and brief related correspondence (1962).</p>	1962
D.254	<p>'Rushton. Vision', contents of a file so inscribed.</p> <p>Manuscript theoretical notes.</p>	
D.255	<p>'Amsterdam meeting 1963. Paper with M.G.F Fuortes', contents of a file so inscribed.</p> <p>4pp typescript entitled 'Changes in time scale and sensitivity in <i>Limulus</i> ommatidia'; proof with manuscript corrections; letter <i>re</i> publication (1963).</p>	1963
D.256-D.263	<p>'Weidman paper with Chandler shifts anion paper', contents of a box file so inscribed.</p>	1964-1965
D.256	<p>'The effect of internal sodium on the action potential in the presence of different internal anions', with W.K. Chandler, <i>Journal of Physiology</i> 181, 1965.</p> <p>34pp typescript draft with manuscript revisions; proof with manuscript corrections.</p>	
D.257	<p>'Effect of changes in ionic strength on inactivation and threshold in perfused nerve fibres of <i>Loligo</i> (abstract)'. Publication details unknown.</p> <p>3pp typescript draft so entitled (the names of co-authors W.K. Chandler and H. Meves have been crossed out); shortened typescript version; manuscript data and calculations; letter from H. Meves (1964).</p> <p>Contents of a file inscribed 'Chandler Hodgkin & Meves. Theory'.</p>	c.1964
D.258	<p>'Plymouth 1964 data', contents of a file so inscribed.</p> <p>Manuscript experimental data.</p>	1964

Drafts and publications

- D.259-D.262 'Weidmann paper', contents of a file so inscribed.
- This material relates to the paper 'The diffusion of radio-potassium across intercalated discs of mammalian cardiac muscle', by S. Weidmann, *Journal of Physiology* 187, 1966. Hodgkin wrote the appendix.
- D.259 Typescript draft of the paper.
- A few pages have annotations in Hodgkin's hand.
- D.260 Correspondence between Hodgkin and Weidmann (1965); manuscript drafts by Hodgkin of [?appendix]. 1965
- D.261-D.262 Theoretical notes in Hodgkin's hand; figures and notes by Weidmann. 1965
- 2 folders.
- D.263 A few pages of an unidentified manuscript draft and manuscript data. All in Hodgkin's hand.
- Found loose in the box file.
- D.264-D.290 'Chandler', contents of a box so inscribed. 1966-c.1972
- D.264 'Voltage clamp experiments in skeletal muscle fibres', with R.H. Adrian and W.K. Chandler, *Journal of Physiology* 186, 1966. 1966
- 'Adrian Chandler Hodgkin Voltage Clamp I - Action potentials for reprod'n', contents of a file so inscribed.
- 1p manuscript draft with manuscript data and figures.
- D.265-D.269 'Point control of membrane potential in muscle', with R.H. Adrian and W.K. Chandler. Publication details unknown.
- D.265 25pp manuscript draft (with the above title) with figure legends etc; manuscript theoretical notes.

Drafts and publications

- D.266-D.268 'Muscle MS & calculations', contents of a file so inscribed.
- Chiefly manuscript theoretical notes, with an incomplete and untitled manuscript draft of the paper (D.266).
- 3 folders.
- D.269 Typescript draft with manuscript revisions.
- D.270 'The kinetics of mechanical activation in frog muscle', with R.H. Adrian and W.K. Chandler, *Journal of Physiology* 204, 1969. 1968-1969
- Incomplete typescript draft, with manuscript revisions and inserts, and figures etc; later 18pp typescript draft; correspondence with Chandler (1969); a few manuscript notes.
- D.271-D.274 'Voltage clamp experiments in striated muscle fibres', with R.H. Adrian and W.K. Chandler, *Journal of Physiology* 208, 1970.
- See C.370-C.371 for related papers.
- D.271 Typescript draft with manuscript revisions.
- D.272 Revised 23pp typescript.
- D.273 Manuscript and typescript drafts of tables, figure legends and other parts of the paper.
- D.274 Proof with manuscript revisions.
- Included is a copy of a letter by Hodgkin (1970) and a few manuscript notes.

Drafts and publications

- D.275-D.279 'Slow changes in potassium permeability in skeletal muscle', with R.H. Adrian and W.K. Chandler, *Journal of Physiology* 208, 1970.
- D.275 20pp manuscript draft; parts of an earlier manuscript draft (or drafts).
- D.276 Typescript draft, with drafts of figure legends.
- D.277-D.278 Manuscript data for the paper with further manuscript draft pages in D.278.

2 folders.

Contents of a file inscribed 'Slow changes'.
- D.279 Proof with manuscript revisions.
- D.280-D.281 'An extension of Cole's Theorem and its application to muscle', with R.H. Adrian and W.K. Chandler, pp. 299-309 in *Perspectives in Membrane Biophysics*, ed. D.P. Agin, London 1972.
- D.280 Manuscript and typescript draft; revised 9pp manuscript draft; data etc for figures.
- D.281 Photocopy of a typescript draft.
- D.282 Miscellaneous fragments (typescript and manuscript) of drafts for the papers described in D.271-D.281.

Contents of an unmarked file.

Drafts and publications

D.283-D.286	Correspondence between Hodgkin and W.K. Chandler concerning some, or all, the papers described in D.264-D.282. Included are a few letters from Chandler to R.H. Adrian. 4 folders.	1969
D.287-D.288	Manuscript data and notes relating to one, possibly more, of the papers described in D.264-D.282. Chiefly in a hand other than Hodgkin's. 2 folders.	
D.289	Manuscript drafts of figure legends for one or more of the papers described in D.264-D.282. Contents of an unmarked file.	
D.290	Fragments of manuscript drafts, manuscript notes and data relating to some of the papers described in D.264-D.282.	
D.291-D.303	'Misc 1970-71. Ca in flux data 1968. Nakajima & H drafts', contents of a box file so inscribed.	1965-c.1972
D.291-D.292	'The effect of sodium concentration on calcium movements in giant axons of <i>Loligo forbesi</i> ', with P.F. Baker, M.P. Blaustein and R.A. Steinhardt, <i>Journal of Physiology</i> 192, 1967.	
D.291	3 manuscript drafts, one headed 'rough'.	
D.292	Manuscript data and notes.	
D.293-D.294	'The effect of diameter on the electrical constants of frog skeletal muscle fibres', with S. Nakajima, <i>Nature</i> 227, 1970.	

Drafts and publications

- D.293 7pp manuscript draft; typescript draft with letter from Hodgkin to Nakajima (1970); proof with manuscript revisions.
- D.294 28pp typescript draft, with manuscript revisions, and figures. A few manuscript notes and a letter from Nakajima (1971) are included.
- This draft has the same title as those in D.293 but varies greatly in text and length.
- D.295 'The early phase of calcium entry in giant axons of *Loligo*', with P.F. Baker and E.B. Ridgway, *Journal of Physiology* 214, 1971.
- 3pp typescript draft, with manuscript revisions, and figures; off-print.
- D.296 'Analysis of the membrane capacity in frog muscle', with S. Nakajima, *Journal of Physiology* 221, 1972.
- Two typescript drafts with manuscript revisions, one including tables, figures etc; letter from S. Nakajima (1971); proof with manuscript revisions.
- D.297-D.298 Correspondence between Hodgkin and Nakajima *re* 1970-1971
 preparation of the papers.
- Included are a few related letters by others and two typescript drafts (publication details unknown) with the following titles: 'The electrical constants of the frog's muscle fibre' (D.297) and 'Capacitance of the skeletal muscle fibre of the frog' (D.298). Some pages of manuscript data are also included.
- 2 folders.

Drafts and publications

- D.299-D.300 'Theory - Ca:Na efflux', contents of a file so inscribed.

14pp unidentified typescript draft entitled 'Ca Influx', with manuscript revisions in an unidentified hand (D.296); manuscript data, notes and calculations chiefly in Hodgkin's hand.

2 folders.
- D.301 'Image form cal'cn', contents of a file so inscribed.

Manuscript equations and calculations.
- D.302 'Rectification models', contents of a file so inscribed. 1965-1966

Manuscript notes and experimental data.
- D.303 Miscellaneous manuscript notes and data with a few 1966-c.1970
pages of an unidentified typescript draft.
- D.304-D.306 'Nerve theory 1966-1977. Opt. no. sites. Ca45 squid. 1966-1967
Diffusion theory. AFH Laplace soln', contents of a box
file so inscribed.
- D.304 'Plymouth 1966-7. Ca45 calculations'. 1966

Manuscript calculations, some in an unidentified hand.
- D.305 'Ca flux theory', contents of a file so inscribed.

Manuscript theoretical notes.
- D.306 Contents of a file inscribed 'Jaffé'.

Manuscript theoretical notes, some in an unidentified hand.

Drafts and publications

- D.307-D.314 'Aequorin paper. Diffusion calc'n. Radial diffusion. Radial electrical spread 1971-2', contents of a file so inscribed. c.1971-1972
- The material, or most of it, probably relates chiefly to one or more of the three papers by Hodgkin, P.F. Baker and E.B. Ridgway on calcium entry in squid axons, published in the *Journal of Physiology*, 1970-1971 (listed as no.s 99, 101, 102 in *Biographical Memoirs of Fellows of the Royal Society* vol.46).
- D.307-D.308 'Ridge Aequorin MS. Methods', contents of a file so inscribed.
- Parts of a draft or drafts, mostly manuscript, with manuscript notes (some in an unidentified hand).
- 2 folders.
- D.309 'Cc aequorin. Misc calculations', contents of a file so inscribed'.
- Brief manuscript theoretical notes; letter (undated) from R.H. Adrian to Hodgkin *re* computation of data.
- D.310 'Subtangent correction. Aequorin kinetics. Blinks et al', contents of a file so inscribed.
- Brief theoretical notes.
- D.311 'RHA Radiation boundary condition etc', contents of a file so inscribed.
- Letter (undated) to Hodgkin from R.H. Adrian, with theoretical notes by the latter enclosed.
- D.312 'Appendix. RHA computations', contents of a file so inscribed.
- Manuscript data etc; letter (undated) from R.H. Adrian to Hodgkin.

Drafts and publications

D.313	<p>'Aequorin. Appendix & computations', contents of a file so inscribed.</p> <p>Typescript draft headed 'Appendix' with manuscript revisions.</p>	
D.314	<p>'Speculation theory', contents of a file so inscribed.</p> <p>Brief manuscript theoretical notes.</p>	
D.315-D.315B	<p>Correspondence and papers relating to publications of 1974.</p> <p>This material was found together and appears to relate to three papers by Hodgkin, D.A. Baylor and B.J. Nunn (one without Nunn) on vision of turtles.</p>	December 1973-1974
D.315-D.315A	<p>Correspondence (November 1973-1974) between Hodgkin and various scientific colleagues <i>re</i> the preparation of the papers; manuscript notes in various hands; a few typescript draft pages.</p> <p>2 folders.</p> <p>Contents of a file inscribed 'Correspondence - 1974 papers'.</p>	1973-1974
D.315B	<p>Material for figures.</p> <p>Contents of a file inscribed 'Figs - papers 1-3'.</p>	
D.316-D.323	<p>'Vision. Misc. correspondence & theory. 1970-77', contents of a box file so inscribed.</p>	1970-1977
D.316-D.317	<p>'Spontaneous voltage fluctuations in retinal cones and bipolar cells', with E.J. Simon and T.D. Lamb, <i>Nature</i> 256, 1975.</p>	
D.316	<p>Manuscript draft, possibly incomplete; 4pp typescript draft with manuscript revisions.</p>	

Drafts and publications

- D.317 Brief correspondence and various notes etc *re* the paper.

 Contents of a file inscribed 'Nature'.
- D.318 'Transmission from photoreceptors to ganglion cells in
 turtle retinae', contents of a file so inscribed.

 Draft (undated) of a personal letter by Hodgkin; 2pp
 rough manuscript notes; typescript draft of a paper
 entitled, as above, by D.A. Baylor and R. Fettiplace.
- D.319 Letters to Hodgkin from D.A. Baylor (1975); 2pp 1975
 typescript notes by Hodgkin on the manuscript by Baylor
 and Fettiplace (see D.318).
- D.320 'Baylor & Fettiplace 2', contents of a file so inscribed. 1976

 Letter (1976) to Hodgkin from D.A. Baylor; typescript draft
 of a paper headed 'Paper 2'; brief manuscript
 calculations.
- D.321 'Spectra and temperature', contents of a file so inscribed.

 Manuscript calculations and theoretical notes; letter
 (1973) to Hodgkin from an unidentified scientist.
- D.322 'Mach bands', contents of a file so inscribed.

 Manuscript theoretical notes.
- D.323 Miscellaneous manuscript theoretical notes etc.
- D.324-D.336A 'ERP 1975-1977. With Paul O'Bryan', contents of a box
 file so inscribed.

Drafts and publications

- D.324-D.325 'The optimum density of sodium channels in an unmyelinated nerve', *Phil. Trans. Roy. Soc. B* 270, 1975.
- This published paper was delivered at a Royal Society meeting.
- D.324 7pp manuscript draft of the oral paper, with further draft pages, manuscript notes and figures; letter to Hodgkin from R.H. Adrian (1974).
- Contents of an unmarked file.
- D.325 Two typescript drafts [?one of the published version], with manuscript revisions, and letter from Hodgkin to A.F. Huxley (1974); a few pages of manuscript notes etc.
- D.326-D.335 'Internal recording of the early receptor potential in turtle cones', with P.M. O'Bryan, *Journal of Physiology* 267, 1977. 1975-1977
- D.326-D.327 'ERP paper - notes & MS', contents of a file so inscribed.
- D.326 Manuscript draft, with manuscript notes.
- D.327 24pp typescript draft with manuscript revisions.
- D.328 'Notes for MS - ERP', contents of a file so inscribed.
- Manuscript draft tables for the paper with one page of manuscript draft text; data.
- D.329 'ERG [sic] paper with Paul O'Bryan', contents of a file so inscribed. 1975-1976
- Manuscript notes on the paper (chiefly comments) in various hands; letter to Hodgkin from O'Bryan (1976).

Drafts and publications

- D.330 'ERP rough check and final checks', contents of a file so inscribed.

Manuscript theoretical notes.
- D.331 Correspondence with O'Bryan and other scientists *re* the preparation of the paper, (1975-1977), with manuscript notes. A few pages of a typescript draft and figures are included. 1975-1977
- D.332 Manuscript drafts of figure legends; a few manuscript draft pages; data and calculations.
- D.333 Brief correspondence (1975) *re* the paper; material relating to figures; data.

Contents of an unmarked file.
- D.334-D.335 'Absorption of light by cones 1975', contents of a file so inscribed.

Manuscript theoretical notes, probably relating to the paper.

2 folders.
- D.336 'Gating currents. Foot of AP', contents of a file so inscribed.

Manuscript theoretical notes, probably relating to one of the two papers described in D.324-D.335.
- D.336A 'The early years of Anglo-American co-operation in science', *Interdisciplinary Science Reviews* I, 1976.

28pp typescript; corrected proof; correspondence *re* publication, 1975-1976.
- D.337-D.344 'A surprising property of electrical spread in the network of rods in the turtle's retina', with P.B. Detwiler and P.A. McNaughton, *Nature* 274, 1978. 1977-1978

Drafts and publications

- D.337 Untitled manuscript draft (or parts of different drafts);
10pp typescript draft with manuscript revisions;
manuscript notes etc.

Contents of a file inscribed with the title of the paper.
- D.338-D.339 3 typescript drafts with revisions; correspondence 1978
between the authors.

2 folders.
- D.340 Further correspondence between authors etc. 1978

Contents of a file inscribed 'Proofs - Nature'.
- D.341-D.344 Manuscript data, notes and figures etc.

Included at D.342 is a letter from Hodgkin to Detwiler
(1977); and at D.343 a letter from Detwiler to Hodgkin
(1978).

4 folders.
- D.345-D.346 Contents of a file inscribed 'Rod paper 2'. c.1978

Various manuscript drafts entitled 'The desensitization of
turtle rods by light'; manuscript notes and data.

This paper appears to have been the follow-up to the one
described in D.337-D.344. No evidence for its publication
was found.

2 folders.
- D.347-D.359 'Electrical coupling between cones in turtle retina', with 1976-1979,
P.B. Detwiler, *Journal of Physiology* 291, 1979. nd

Contents of a box file inscribed '1977-9. Detwiler and
Hodgkin - Cone coupling. Data, theory and
correspondence. Lamb's computer tables'.

Drafts and publications

D.347	28pp manuscript draft; related letter from Hodgkin to Detwiler (1978); typescript draft with manuscript revisions.	1978
D.348	<p>'Rejected parts of cone MS', contents of a file so inscribed.</p> <p>Letters from Detwiler to Hodgkin (1978); typescript draft of part of the paper, with figures.</p>	
D.349	Draft figure legends etc.	
D.350	<p>'Peter Detwiler's data', contents of a file so inscribed.</p> <p>Letters (1977) from Detwiler to Hodgkin <i>re</i> the paper; manuscript experimental data in Detwiler's hand.</p>	1976-1977
D.351	Letter from Detwiler to Hodgkin (1977), with manuscript analyses of experimental data in the former's hand.	1976-1977
D.352	<p>'Cone theory', contents of a file so inscribed.</p> <p>Manuscript data and calculations, chiefly in Detwiler's hand.</p>	c.1976
D.353	<p>'Gaussian', contents of a file so inscribed.</p> <p>Brief data and notes.</p>	
D.354	<p>'Hexagonal grid time course (analytical) & distributes', contents of a file so inscribed.</p> <p>Manuscript theoretical notes.</p>	
D.355	<p>'TDL & ALH. Rise of potential', contents of a file so inscribed.</p> <p>Manuscript data and notes, some in Hodgkin's hand.</p>	

Drafts and publications

- D.356 'Equations in cone paper', contents of a file so inscribed.

Manuscript theoretical notes.
- D.357-D.358 Miscellaneous manuscript theoretical notes.

Included at D.358 is a letter to Hodgkin from P. McNaughton (undated).

2 folders.
- D.359 Correspondence etc *re* refereeing of the paper; papers *re* 1978, nd
grant application for the research.
- D.360-D.370 'Detwiler, Hodgkin. McNaughton Rod MS 1 & bipolar 1978-c.1984
note', contents of a box file so inscribed.
- D.360-D.368 'Temporal and spatial characteristics of the voltage
response of rods in the retina of the snapping turtle', with
P.B. Detwiler and P.A. McNaughton, *Journal of*
Physiology 300, 1980.
- D.360 20pp manuscript draft, with manuscript calculations.
- D.361 Typescript and manuscript draft with manuscript
revisions.
- D.362-D.363 Manuscript and typescript parts of a further draft, or
drafts, with figure legends, notes etc.

Some notes etc in [?P. McNaughton's] hand.

Contents of an unmarked file.

2 folders.

Drafts and publications

- D.364-D.365 Brief correspondence between the authors and others (1979-1980); later typescript draft with manuscript revisions; manuscript and typescript comments on the paper in various hands; photocopy of proof with manuscript revisions.
- 2 folders.
- D.366 'P.McN misc. theory', contents of a file so inscribed.
- Photocopies of papers in the hand of P. McNaughton: letter to P.B. Detwiler (1978), a draft of a talk and theoretical notes.
- D.367 'Peter McN. Maths of arrays', contents of a file so inscribed.
- Photocopies of theoretical notes in McNaughton's hand.
- D.368 Miscellaneous material, chiefly *re* figures and tables.
- D.369-D.370 'A note on the synaptic events in hyperpolarising bipolar cells of the turtle's retina', with P.B. Detwiler and T.D. Lamb, in *Photoreceptors*, ed. A. Borsellino & L. Cervetto, London 1984. 1980-c.1984
- D.369 Incomplete manuscript and typescript drafts; brief correspondence between Hodgkin and P.B. Detwiler (1980); material for figures and tables.
- D.370 14pp typescript draft with manuscript revisions; revised version; brief scientific correspondence (1982).
- D.371-D.372 'Effect of ions on the light-sensitive current in retinal rods', with P.A. McNaughton and K.-W. Yau, *Nature* 292, 1981. 1981
- D.371 Two typescript drafts with manuscript revisions; 11pp typescript, inscribed 'top copy', with figure legends.

Drafts and publications

- D.372 Correspondence *re* publication (1981); manuscript and typescript notes *re* 'Trevor Lamb's comments' on the paper; corrected proof.
- D.373 'Some recollections of William Rushton and his contributions to neurophysiology (1925-52)', *Vision Research* 22, 1982. 1981

Correspondence *re* publication with photocopied typescript of the article.
- D.374-D.378 'Effect of ions on retinal rods from *Bufo marinus*', with P.A. McNaughton, B.J. Nunn and K.-W. Yau, *Journal of Physiology* 350, 1984. 1983-1984
- D.374 36pp typescript draft, with manuscript revisions and inserts, and figure legends.
- D.375 Two further typescript drafts (one incomplete).
- D.376-D.377 Manuscript comments by various individuals and correspondence *re* the preparation of the paper. 1983

2 folders.
- D.378 Correspondence *re* preparation of the manuscript, with photocopy of corrected proof.
- D.378A 'The effect of light adaptation on the response of the light-sensitive current of toad rods to changes of Ca and Na', *Journal of Physiology* 351, 1984.

1p typescript draft with copy of corrected proof; 1p manuscript experimental data (in a hand other than Hodgkin's).

Drafts and publications

- D.379 'Rapid change of solutions bathing a toad rod outer segment', with R.H. Cook, P.A. McNaughton and B.J. Nunn, *Journal of Physiology* 357, 1984.
1p typescript draft.
- D.380 'Comparisons between the effects of flashes of light and brief pulses of calcium on the current of toad and salamander rods', with P.A. McNaughton and B.J. Nunn, *Journal of Physiology* 357, 1984.
Photocopy of 1p manuscript draft; typescript with figure.
- D.381-D.385 'Activation MS', contents of 2 files so inscribed. 1984

'Activation of the light-sensitive current in toad and salamander rods by changes in external calcium and sodium', with P.A. McNaughton, B.J. Nunn and K.-W. Yau. No evidence of eventual publication found.
- D.381-D.383 Various manuscript and typescript drafts (one entitled as above, the others with very similar titles), two dated July, August 1984; manuscript and typescript notes on the paper. The manuscript draft pages are not in Hodgkin's hand.

3 folders.
- D.384 Correspondence between the authors. 1984
- D.385 Drafts of figure legends, with a few pages of a further typescript draft.
- D.386-D.391 'Mode of action of Ca and Na', contents of 2 files so inscribed. 1983-c.1984

Material relating to various papers on toad and salamander rods (c.1984) which appear to be closely related to the paper described in D.381-D.385. Those whose authorship is given are by the same authors. The drafts described below may have been combined into one paper. No evidence of eventual publication for any has been found.

Drafts and publications

- D.386 'Two components of light-sensitive current in the rods of toads and salamanders', with P.A. McNaughton, B.J. Nunn and K.-W. Yau.
- Photocopy of a 4pp manuscript draft so entitled; typescript revised version.
- D.387 'The mode of action of calcium and sodium on light-sensitive currents in toad rods', authors as in D.386.
- 2 typescript drafts so entitled, one also inscribed 'Part 1'; manuscript draft of introductory pages.
- D.388 'The rapid effects of varying external calcium and sodium on light-sensitive currents in toad rods'.
- 3pp manuscript draft (possibly incomplete) so entitled. The authors' names are not given.
- D.389 'Activation of light-sensitive current by decreasing CaO or increasing NaO: experiments in low calcium'.
- 3pp manuscript draft (possibly incomplete) so entitled. Much of the text is almost identical to parts of the draft in D.388.
- D.390 'Skeleton of new 1 μ - Ca paper', contents of an internal file so inscribed.
- Figures and manuscript notes.
- D.391 'March 1983 Figures from Brian's folders', contents of an internal file so inscribed.
- Manuscript draft figure legends and experimental notes (in an unidentified hand).
- D.392-D.401 'The ionic selectivity and calcium dependence of the light-sensitive pathway in toad rods', with P.A. McNaughton and B.J. Nunn, *Journal of Physiology* 358, 1985. 1982-c.1985

Drafts and publications

- | | | |
|-------------|--|-------------|
| D.392-D.394 | Various incomplete manuscript drafts chiefly in Hodgkin's hand; manuscript notes, data and figures.

3 folders. | |
| D.395 | Typescript draft, with manuscript revisions, and manuscript tables. | |
| D.396 | Typescript draft with manuscript revisions; manuscript notes on the paper in an unidentified hand (April 1984). | |
| D.397 | 30pp typescript draft. | |
| D.398 | Further typescript draft dated '6 Aug. '84'. | |
| D.399-D.400 | Correspondence chiefly <i>re</i> publication.

Almost all 1984.

Included are a referee's report, manuscript notes on the paper by various individuals and a copy of a corrected proof.

2 folders. | 1982-1984 |
| D.401 | Miscellaneous scientific correspondence etc <i>re</i> matters connected with the topics covered by the paper. | 1983-1984 |
| D.402 | 'Oscillations paper', contents of a file so inscribed.

No publication details for this paper could be found.

Rough manuscript draft entitled 'Damped oscillations in retinal rods from salamander', with P.A. McNaughton and the late B.J. Nunn; manuscript experimental data and notes. | 1984-c.1987 |

Drafts and publications

- D.403 'Figures & legends for oscillatory paper, 1984-87',
 contents of a file so inscribed.
- This material possibly relates to the same paper as that
 in D.402.
- Material for figures, including manuscript draft legends.
-
- D.404 'Measurement of sodium-calcium exchange in
 salamander rods', with P.A. McNaughton and B.J. Nunn,
 Journal of Physiology 391, 1987.
- 51pp typescript with figures; photocopy of corrected
 proof.
-
- D.405-D.407 'The effect of ions on sodium-calcium exchange in
 salamander rods', with B.J. Nunn, *Journal of Physiology*
 191, 1987.
-
- D.405-D.406 Manuscript draft, with manuscript notes and a few pages
 of a typescript draft intercalated. Some pages appear to
 be disarranged.
- 2 folders.
-
- D.407 54pp typescript draft with figures etc; photocopy of
 corrected proof.
-
- D.408 Correspondence *re* publication of the two papers 1986-1987
 described in D.404-D.407.
-
- D.409-D.414 'Ca pumping'.
- The following files were found together and appear to
 relate to a manuscript on 'Ca pumping', c.1986-1987. No
 publication details were found. The material possibly
 relates to one or both of the papers in D.404-D.407.

Drafts and publications

- D.409 'Ca pumping MS. First draft 24 Feb 1986', contents of a file so inscribed.
- Manuscript draft entitled 'The sodium-calcium exchange mechanism in salamander'; a few pages of a typescript draft.
- D.410-D.411 'Ca pumping. Theory file 3. 2 buffers etc. 1986', contents of a file so inscribed.
- Manuscript theoretical notes and data.
- 2 folders.
- D.412 'Ca pumping. Theory section', contents of a file so inscribed.
- Manuscript draft and data.
- D.413 'Draft 0. Discussion theory Ca pumping. 24 Feb. 86', contents of a file so inscribed.
- 14pp typescript revised draft of the manuscript draft in D.411, with further manuscript revisions. Figures are included.
- D.414 'Ca pulses on response. Notes for MS. June 1987', contents of a file so inscribed.
- Material for figures.
- D.415 'Control of light-sensitive current in salamander rods', with the late B.J. Nunn, *Journal of Physiology* 403, 1988.
- Photocopy of typescript draft with manuscript revisions and inserts.
- D.416-D.431 Various files, the contents of which could not be definitely identified with known publications. c.1953-1985, nd
- Titles of the files are given below.

Drafts and publications

D.416	'Diffusion'. Manuscript theoretical notes.	c.1953
D.417	'Laplace solns'. Manuscript theoretical notes, some in Hodgkin's hand.	c.1960-1965
D.418-D.419	'E.N. Fox. Calculations. Diffusion & chemical reaction'. Manuscript data and notes, chiefly in Hodgkin's hand. 2 folders.	c.1967
D.420	'Emission of photons'. File inscribed '1973'. Manuscript data and notes.	1973
D.421	'Trevor Lamb. Dark adaptation curves'. Typescript draft of a paper by Lamb entitled 'An analysis of human dark adaptation curves'; letter to Hodgkin (1979); brief data.	1979
D.422	'Dark adaptation 3rd draft + diffusion theory'. Manuscript notes, some by Hodgkin, on the paper described in D.421.	1979
D.423-D.425	'Carrier theory and other theory. Asymmetries in Na on/off'. Manuscript theoretical notes. 3 folders.	1981-1985

Drafts and publications

D.426-D.427	'Diffusion'. Manuscript theoretical notes. 2 folders.	Nd
D.428	'Paper to neurol [?]'. Manuscript draft entitled 'Possible applications of electrical technique in biology and medicine'; brief manuscript notes.	Nd
D.429	'Feedback. Circuits. Nakajima clamp'. Photocopies of manuscript electrical circuit diagrams.	Nd
D.430	'Radial diffusion Ca. Radial cable spread - TTS capacity'. Manuscript theoretical notes.	Nd
D.431	'Fast Gx MS'. Part of an untitled manuscript draft; figures and calculations.	Nd
D.432-D.437	Miscellaneous papers relating to publications by Hodgkin (and possibly to publications by others). Manuscript notes, data, figures etc.	1971-1984, nd
D.432-D.433	1971-1984. 2 folders.	
D.434-D.437	Undated. 4 folders.	

Drafts and publications

D.438-D.463	EDITORIAL CORRESPONDENCE	1960-1986
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Inscriptions on files are given below.

D.438	'Chamber's Encyclopedia'.	1960
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Brief correspondence *re* a request to revise an article on the human nervous system.

D.439-D.440	'Journal of Physiology'.	1962-1965
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Correspondence chiefly *re* publication of papers by Hodgkin and Hodgkin's refereeing of papers by others.

2 folders.

D.441	'Encyclopedia Britannica. Chicago, USA'.	1964, 1969
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Correspondence *re* various articles, including a short biography of Hodgkin and a request for a longer article on the nerve impulse.

D.442	'Encyclopedia Americana'.	1964-1969
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Correspondence *re* a biographical article on A.F. Huxley by Hodgkin, with a typescript draft etc; and *re* a request for an article on 'nervous system conduction'.

D.443	'Encyclopedia Britannica International Ltd, London'.	1967-1972
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Correspondence chiefly *re* Hodgkin's article 'Nerve Conduction'.

D.444	'Encyclopedia Japan'.	1969
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Brief correspondence *re* a request to write an article on nervous conduction.

Drafts and publications

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|-------------|---|-----------|
| D.445 | 'Encyclopedia Britannica. Educational Corporation'.

Correspondence chiefly <i>re</i> a request for photographs to be included in a film, <i>The Nerve Impulse</i> . | 1969-1970 |
| D.446-D.447 | Correspondence, with cuttings of press reviews and royalty statements, <i>re</i> publication etc of 'The Pursuit of Nature', <i>Cambridge University Press</i> , 1976.

Chiefly 1976-1979.

2 folders. | 1976-1985 |
| D.448 | 'Bertrand, Fuortes & Pochobradsky [authors of a paper on turtle retina]'.

Manuscript draft and revised typescript versions of comments by Hodgkin on the paper; comments by another referee; correspondence (1977); typescript of the paper. | 1977 |
| D.449-D.450 | 'Crawford & Fettiplace [authors of a paper on cochlear hair cells of terrapin]'.

Correspondence <i>re</i> Hodgkin's assistance in refereeing the paper, with theoretical notes by another; manuscript theoretical notes by Hodgkin; typescript of the paper.

2 folders. | 1978 |
| D.451-D.452 | 'ISI - Hodgkin & Huxley'.

Correspondence with the Institute for Scientific Information (USA) <i>re</i> the inclusion of a commentary on Hodgkin and A.F. Huxley's paper in <i>Journal of Physiology</i> 117 (1952) in the ISI's 'Current Contents', and correspondence arising. Included is correspondence between Hodgkin and Huxley.

2 folders. | 1978-1985 |

Drafts and publications

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|-------------|---|-----------|
| D.453 | 'R.D.K[eynes] article'. | 1979 |
| | A few letters from Keynes to Hodgkin <i>re</i> a paper by the former on sodium gating in squid axon with G.C. Malachowski and D.F. Van Helden; typescript of the paper. | |
| D.454 | 'Baylor, Matthews & Yau [authors of a paper on 'dark light']'. | 1979 |
| | Brief correspondence with Baylor <i>re</i> the paper, including Hodgkin's comments on it; typescript of the paper with further notes by Hodgkin. | |
| D.455 | 'Torre and Owen [authors of a paper on toad rods] 1981'. | 1980 |
| | Brief correspondence <i>re</i> refereeing with typescript of the paper. | |
| D.456 | 'C.U.P. Collection of 1952 papers'. | 1985-1986 |
| | Correspondence <i>re</i> plans for the <i>re</i> -publication (by the Physiological Society) of Hodgkin and A.F. Huxley's 1952 papers on the voltage clamp. | |
| D.457 | 'Torre, Matthews & Lamb [authors of a paper on phototransduction in retinal rods]'. | 1986 |
| | Hodgkin submitted the paper for publication. | |
| | Correspondence etc <i>re</i> refereeing, with a typescript of the paper. | |
| D.458-D.463 | Miscellaneous correspondence. | |
| | <i>Re</i> publication of some of Hodgkin's papers, requests for contributions, refereeing of papers and other matters. | |
| D.458-D.460 | 1961-1973. | |
| | 3 folders. | |

Drafts and publications

D.461-D.463 1977-1987.

3 folders.

D.464-D.465 OFF-PRINTS 1936-1970

D.464 Hardback bound volume of off-prints of papers, 1937-1950, by, or co-authored by, Hodgkin.

Entitled 'Scientific Papers 1937-1950' on spine.

D.465 Off-prints. 1936-1970

1 box.

SECTION E	LECTURES AND SPEECHES, E.1-E.226	1950-1987, nd
<p>A chronological sequence of papers relating to Hodgkin's public and academic lectures and other speeches and addresses delivered at various occasions. In a number of cases where there was only draft material present in an original file, the details concerning the particular lecture or speech (title, occasion and date) have been provided by inscriptions on the file.</p> <p>See also Section A, Biographical (A.174- A.187).</p>		
E.1-E.2	'Conduction of Nervous Impulse. British Assoc.n 1950', contents of a file so inscribed.	1950
E.1	14pp untitled manuscript draft.	
E.2	20pp draft (pagination incomplete) consisting of manuscript and typescript pages, with revisions; a few loose typescript pages, apparently from another draft.	
E.3	<p>'Ionic Exchange and Electrical Activity in Nerve and Muscle', XVIII International Physiological Congress, Copenhagen, 15-18 August 1950.</p> <p>12pp typescript draft so entitled, with manuscript revisions, and abstract; letter from the American Embassy, London, 1950.</p> <p>See J.95 for related material.</p>	1950
E.4-E.5	<p>'Hardy Club 1950. Nerve', contents of a file so inscribed.</p> <p>Untitled manuscript draft with further pages of notes and data (some pages possibly out of sequence).</p> <p>2 folders.</p>	1950
E.6	<p>'Cold Spring Harbour [June] 1952. Movements of Na & K during nervous activity', contents of a file so inscribed.</p> <p>Cold Spring Harbour symposium on the neuron.</p> <p>Untitled 18pp typescript draft with manuscript revisions.</p>	1952

Lectures and speeches

E.7	<p>'R.S. Discussion 1952. Propagation of electric signals along nerve fibres', contents of a file so inscribed.</p> <p>Untitled 15pp typescript.</p>	1952
E.8	<p>'The Conduction of the Nervous Impulse', Newcastle, c.1953.</p> <p>19pp typescript draft, so entitled, with manuscript revisions.</p>	c.1953
E.9	<p>'Foster Club 1954. Recovery in Nerve', contents of a file so inscribed.</p> <p>Untitled manuscript draft (pagination incomplete).</p>	1954
E.10	<p>'Berne Nov. 1955', contents of a file so inscribed.</p> <p>Untitled 12pp manuscript draft.</p> <p>The lecture discusses experiments on changes in the permeability of squid nerve fibres to sodium and potassium ions.</p>	1955
E.11	<p>'Paris 1955', contents of a file so inscribed.</p> <p>Untitled 11p manuscript draft of a lecture, the topic of which is similar to that of the lecture in E.10.</p>	1955
E.12	<p>'Conduction and Recovery in Giant Axons', Stockholm, Sweden, June 1955 or 1956.</p> <p>Incomplete 13pp typescript draft so entitled, with manuscript revisions.</p> <p>The cover of the file is inscribed 'Stockholm Lecture June 1956'. There is a further inscription inside the file: 'Stockholm 1955'.</p>	1955 or 1956
E.13-E.15	<p>'Grad. Sci. Club 1956. Tracers & another lecture London', contents of a file so inscribed.</p>	1956

Lectures and speeches

- E.13 'Applications of the Isotope Technique in Studies of Nervous Conduction'.

13pp typescript draft so entitled with manuscript revisions.
- E.14 12pp untitled manuscript draft of a lecture.

This lecture is different to the one in E.13 but is on the same topic.
- E.15 Manuscript notes and draft pages relating to either one or both of the drafts in E.13 and E.14.
- E.16-E.29 'Ionic Movements and Electrical Activity in Giant Nerve Fibres', The Croonian Lecture, Royal Society, 16 May 1957. 1957
- E.16 Incomplete manuscript draft.
- E.17-E.18 Further incomplete manuscript draft, or drafts, with pages of notes intercalated.

A number of pages are possibly out of sequence.

2 folders.
- E.19 Typescript draft with manuscript revisions.
- E.20-E.22 Typescript draft with extensive manuscript revisions.

This appears to be a draft of the later published version.

3 folders.
- E.23 Parts of other typescript drafts, some with manuscript revisions.

Lectures and speeches

E.24-E.26	Typescript and manuscript pages of references and data, with figures. 3 folders.	
E.27	Corrected proof of the lecture and related letter.	
E.28-E.29	Correspondence with various scientists before and after Hodgkin's Croonian lecture, with reprint of the lecture. Chiefly <i>re</i> points of detail with reference to the lecture itself or to the published paper which followed. 2 folders.	1957
E.30	'Harvard 1958. Conduction & recovery in giant nerve fibres', contents of a file so inscribed. 15pp of a manuscript draft or drafts.	1958
E.31-E.32	'The Link between Electrical and Mechanical Events in Muscle. MIT 1958', contents of a file so inscribed.	1958
E.31	27pp manuscript draft entitled 'The Link between Electrical and Mechanical Events in Muscle', with a few manuscript pages of notes and fragments of another draft.	
E.32	Typescript revised version of the lecture with further manuscript revisions. On a preceding title page is a note 'Biophysics Conference MIT & Rockefeller Inst.'	
E.33	'Muscle. NIH 1958', contents of a file so inscribed. 13pp incomplete typescript draft entitled 'The Link between Electrical and Mechanical Events in Muscle'; first page of a manuscript draft of the same lecture headed 'Washington Bethesda NIH'. /...	1958

Lectures and speeches

/...

This draft has the same title as those in E.31-E.32 and appears to be the revised version of the draft in E.31.

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| E.34 | <p>'Electrical Activation of Muscle. Hardy Club 1958', contents of a file so inscribed.</p> <p>Untitled 25pp manuscript and typescript draft; 4pp manuscript notes.</p> | 1958 |
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| E.35 | <p>'1958 Misc. muscle notes. Also nerves', contents of a file so inscribed.</p> <p>Untitled and incomplete manuscript drafts of lectures (possibly up to 3 different lectures).</p> | 1958 |
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 | | |
| E.36 | <p>'Propagation of Electrical Signals along Nerve Fibres', Institution of Electrical Engineers, 5 May 1959.</p> <p>16pp typescript draft, so entitled, with manuscript revisions; 1p manuscript notes for the lecture.</p> | 1959 |
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| E.37 | <p>'The Mechanism of Nervous Conduction', delivered at a 'Biophysics meeting', Cambridge, July 1959.</p> <p>13pp manuscript draft so entitled and 5pp manuscript notes.</p> | 1959 |
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| E.38 | <p>'Gordon Conference USA 1959. Link between chemical & physical events in nerve (injection ~ p) (Meriden New Hampshire)', contents of a file so inscribed.</p> <p>Untitled 13pp manuscript draft; typescript revised version; one page of data.</p> | 1959 |
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| E.39 | <p>'Cambridge. Biochemical Tea Club 1959. Link between biochemical and electrical events', contents of a file so inscribed.</p> <p>Untitled and incomplete 4pp manuscript draft; 4pp manuscript notes.</p> | 1959 |

Lectures and speeches

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| E.40 | 'Buenos Aires 1959. Energy rich phosphate. Link between chemical & electrical events in nerve', contents of a file so inscribed.

Manuscript draft of first page; untitled 15pp typescript draft with manuscript revisions; manuscript and typescript notes and data. | 1959 |
| E.41 | 'Carphologists 1959. Electrophysiology past & present (mainly historical)', contents of a file so inscribed.

14pp manuscript draft entitled 'Electrophysiology, past and present'; 3pp manuscript notes. | 1959 |
| E.42-E.47 | 'The Physics and Chemistry of Nervous Conduction', Royal Society Tercentenary Lecture, 1960. | 1960 |
| E.42-E.46 | 'Early notes & ms for Tercentenary Lecture', contents of a file so inscribed. | |
| E.42 | 5pp manuscript draft of abstract and typescript revised version; 8pp manuscript notes. | |
| E.43 | 20pp manuscript draft of the lecture; | |
| E.44 | Typescript revised version of the draft in E.43 with further manuscript revisions. | |
| E.45 | Later typescript draft with manuscript revisions. | |
| E.46 | Various material, including brief correspondence, sent to Hodgkin to assist him with the historical background to his lecture. | |

Lectures and speeches

- E.47 Contents of a file inscribed with the title of the lecture.
- Further typescript draft of the lecture with manuscript revisions.
- E.48-E.62 'The Conduction of the Nervous Impulse', Sherrington 1958-1963
 Lectures, University of Liverpool, [? 2, 3 March] 1961.
- The two lectures were published as the 'The Conduction of the Nervous Impulse' (*Liverpool University Press*).
- The material in E.54-E.62 concerns the publication of the lecture only.
- E.48-E.49 'Sherrington Lectures MS', contents of a file so inscribed.
- 49pp manuscript draft, or drafts, and 2pp notes.
- 2 folders.
- E.50 'Lecture I'.
- 25pp typescript draft so entitled, with manuscript revisions; 4pp manuscript notes.
- E.51-E.52 'Lecture II'.
- E.51 19pp manuscript draft.
- E.52 Incomplete 18pp revised typescript draft, entitled as above, with further manuscript revisions; manuscript notes relating to either 'Lecture I' or 'Lecture II'.
- E.53 Correspondence chiefly *re* arrangements for the lecture 1958-1961
 and plans for its publication.
- E.54-E.55 Correspondence *re* publication with corrected proofs. 1962-1963
- 2 folders.

Lectures and speeches

- E.56 Manuscript draft of Appendix with a few pages of corrected proofs etc.
- Contents of a file inscribed 'Chapter V and Appendix'.
- E.57-E.60 Figures with draft legends etc.
- 4 folders.
- E.61 Manuscript notes on figures, tables and calculations.
- E.62 Miscellaneous draft material.
- E.63 'Nervous Conduction (?Title). Notes for lecture in Cavendish 1961', contents of a file so inscribed. 1961
- Manuscript notes and first page of a manuscript draft (untitled).
- E.64 'Biological Membrane. Carphologists. Also notes for Woods Hole lecture not given. May 1962', contents of a file so inscribed. 1962
- 6pp manuscript notes on small cards entitled 'Biological Membranes'; 10pp manuscript draft headed 'Woods Hole Lectures. Notes. Carphologists'.
- See E.65-E.68 for drafts of the Woods Hole Lectures.
- E.65-E.68 'Woods Hole Lectures 1962', contents of 3 files so inscribed. 1962
- See also E.64.
- E.65-E.66 Contents of first file, also inscribed 'Nerve. Conduction of impulses in nerve & muscle (no muscle). Based on Sherrington'.

Lectures and speeches

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| E.65 | <p>'Lecture 1'.</p> <p>Incomplete 18pp manuscript and typescript draft so entitled.</p> | |
| E.66 | <p>'Lecture 2 '.</p> <p>21pp manuscript and typescript draft so entitled; 2pp manuscript notes relating to 'Lecture 1' or 'Lecture 2'.</p> | |
| E.67 | <p>Contents of 2nd file, also inscribed 'Electrophysiology seminar. Perfusion'.</p> <p>Untitled 13pp manuscript draft.</p> | |
| E.68 | <p>Contents of 3rd file, also inscribed 'Muscle activation. Fragment not given'.</p> <p>2 manuscript drafts, one headed 'Muscle'.</p> | |
| E.69 | <p>'Some experiments with perfused nerve fibres from <i>Loligo forbesi</i>, Symposium on Biophysics of Peripheral Nerve, XXII International Congress of Physiological Sciences, Leiden, The Netherlands, 10-17 September 1962.</p> <p>Copy of 5pp typescript conference paper, co-authored by P.F Baker and T.I. Shaw, entitled as above.</p> | 1962 |
| E.70 | <p>'Perfusion. Foster Club. Oct. 1962', contents of a file so inscribed.</p> <p>8pp manuscript draft and 4pp manuscript notes.</p> | 1962 |
| E.71-E.80 | <p>Nobel Prize Lecture and acceptance speech, Stockholm, 1963.</p> | 1963-1964 |
| E.71 | <p>Acceptance speech.</p> <p>4pp typescript and manuscript draft with manuscript revisions.</p> | |

Lectures and speeches

E.72-E.73	'The Ionic Basis of Nervous Conduction', Nobel Lecture, 11 December 1963.	1963
E.72	Early 19pp manuscript draft, possibly incomplete; parts of other manuscript drafts.	
E.73	18pp typescript draft with manuscript revisions; revised typescript draft with manuscript revisions. Contents of a file inscribed 'Nobel Lecture oral'.	
E.74-E.80	Contents of a file inscribed 'written version'.	
E.74	16pp manuscript draft with extensive revisions.	
E.75	19pp typescript draft with extensive manuscript revisions; manuscript drafts of figure legends and references.	
E.76	Typescript draft (revised from the one in E.75), with manuscript revisions.	
E.77	A few manuscript and typescript pages from other drafts; a few pages of manuscript notes.	
E.78	Typescript short autobiographical account and other information requested for publication.	
E.79	Proof of German translation of the lecture, with covering letter and figures.	1964
E.80	Miscellaneous figures etc.	
E.81-E.83	'Recent Experiments with Giant Nerve Fibres', Review Lecture, Royal Society, 20 February 1964.	1964

Lectures and speeches

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| E.81 | Correspondence <i>re</i> arrangements and arising, with summary of the lecture. | 1963-1964 |
| E.82 | 15pp manuscript draft of the lecture; 15pp manuscript notes. | |
| E.83 | 19pp typescript draft with manuscript revisions, with one page of another typescript draft and 1p manuscript notes for slides. | |
| E.84 | <p>'Paris 1964', contents of a file so inscribed.</p> <p>Incomplete 12pp typescript and manuscript draft entitled 'Recent experiments on Giant Nerve Fibres', with manuscript revisions.</p> <p>The draft appears to be a revised version of the lecture in E.81-E.83.</p> | 1964 |
| E.85 | <p>'The present status of the ionic theory in perfused nerve fibres', Symposium on Biophysics of Excitable Membrane of Nerve, Tokyo, Japan, 9 September 1965.</p> <p>11pp manuscript draft entitled as above; typescript draft with manuscript revisions; 4pp manuscript notes; copy of symposium programme.</p> <p>An abstract of the lecture is in E.87.</p> | 1965 |
| E.86 | <p>'Washington 1965', contents of a file so inscribed.</p> <p>18pp typescript draft entitled 'Giant nerve fibres', with manuscript revisions.</p> | 1965 |
| E.87 | <p>'Miami Lecture 1965', contents of a file so inscribed.</p> <p>Untitled 14pp typescript draft with manuscript revisions; typescript abstract of the lecture in E.85 found with the draft.</p> | 1965 |

Lectures and speeches

E.88	<p>'Activation of muscle. Grad Sci 1965', contents of a file so inscribed.</p> <p>3pp incomplete manuscript draft entitled 'Activation of muscle'.</p>	1965
E.89-E.90	<p>'Calcium Genoa [Norwich crossed out] 1967', contents of a file so inscribed.</p>	1967
E.89	<p>13pp manuscript draft entitled 'Calcium movements in giant nerve fibres'; 2pp manuscript notes; typescript revised version.</p>	
E.90	<p>16pp typescript and manuscript draft, entitled as in E.89, with manuscript revisions.</p> <p>This draft appears to be an expanded version of the ones in E.89.</p>	
E.91-E.94	<p>'USSR 1967', contents of 2 files so inscribed.</p>	1967
E.91-E.92	<p>Contents of first file, also inscribed 'Lecture 1'.</p>	
E.91	<p>Incomplete 24pp manuscript draft entitled 'Perfusion of giant nerve fibres'.</p>	
E.92	<p>Typescript revised version with further manuscript revisions; a few pages of another manuscript draft or drafts and 1p manuscript notes.</p>	
E.93-E.94	<p>Contents of second file, also inscribed 'Lecture 2'.</p>	
E.93	<p>17pp manuscript and typescript draft, headed 'Lecture 2', with manuscript revisions.</p>	
E.94	<p>Typescript draft entitled 'Permeability changes and active transport in giant nerve fibres', with manuscript revisions; 1p manuscript notes.</p>	

Lectures and speeches

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| E.95 | <p>'Calcium. USA 1968', contents of a file so inscribed.</p> <p>13pp manuscript draft entitled 'Movements of calcium in giant nerve fibres'; incomplete untitled typescript draft with manuscript revisions; first page of another manuscript draft; 5pp manuscript notes.</p> | 1968 |
| E.96 | <p>'The Relation between Electrical and Mechanical Events in Muscle', Hester Adrian Memorial Lecture, Rockefeller Institute, New York, USA, ?January 1969 [Hodgkin's question mark].</p> <p>27pp typescript draft so entitled, with manuscript revisions; 3pp information on a film about muscle activation.</p> | 1969 |
| E.97 | <p>'Foster Club May 1969', contents of a file so inscribed.</p> <p>Untitled 10pp manuscript draft; 3pp manuscript notes.</p> | 1969 |
| E.98 | <p>'Oxford Ca. Physiol Soc 1969', contents of a file so inscribed.</p> <p>Untitled 3pp manuscript draft.</p> | 1969 |
| E.99 | <p>'Foster Club 14 May 1970. March 1971 - India', contents of a file so inscribed.</p> <p>Two incomplete manuscript drafts (3pp and 4pp), one headed 'Introduction. Foster Club 14 May 1970', with copied pages from the draft in E.101.</p> <p>The original sequence of pages has been preserved.</p> | 1970 |
| E.100 | <p>Speech [?Anniversary Address] delivered as incoming President, Royal Society, 30 November 1970.</p> <p>8pp typescript draft with manuscript revisions.</p> | 1970 |
| E.101-E.104 | <p>'Japan 1970', contents of 2 files so inscribed.</p> | 1970 |

Lectures and speeches

E.101-E.102	'Calcium movements in giant nerve fibres'.	
E.101	18pp manuscript draft so entitled; 3pp manuscript notes.	
E.102	Typescript revised version with further manuscript revisions.	
E.103-E.104	'Electrical properties and activation of vertebrate skeletal muscle'.	
E.103	19pp manuscript and typescript draft so entitled; 3pp manuscript notes. Possibly incomplete. There are changes to the pagination, possibly indicating that there are parts of more than one draft present.	
E.104	Typescript revised version with figures; 3 manuscript pages headed 'Not used'.	
E.105	Addresses at graduation ceremonies, University of Leicester, 16 July 1971. 2 typescripts (1p and 2pp) of addresses.	1971
E.106	'Schools - post conversazione. RS 1971 (Oct?)', contents of an envelope so inscribed. 2pp manuscript draft; 1p brief manuscript notes; brief correspondence <i>re</i> a quotation for use in the speech.	1971
E.107	'IEE Centenary 1971', contents of a file so inscribed. 4pp manuscript draft of a congratulatory speech (on the occasion of the IEE's centenary) entitled 'The Royal Society of London to the Institution of Electrical Engineers'. Hodgkin was President of the Royal Society at this time and spoke on the Society's behalf.	1971

Lectures and speeches

E.108-E.110	'The Physical Basis of Nervous Conduction', Institution of Electrical Engineers, 1971.	1971
E.108	23pp manuscript draft so entitled, with references.	
E.109	22pp typescript draft with manuscript revisions and inserted manuscript pages. Title page is inscribed 'IEE 1971. Published 1971'.	
E.110	Corrected proof.	
E.111	Speech at the Rutherford Centenary Dinner, Trinity College, Cambridge. Untitled 5pp manuscript draft; copy of a letter by W.L. Bragg (1971) containing an anecdote about Ernest Rutherford used by Hodgkin in his speech.	1971
E.112-E.113	Speech given at the annual meeting of the British Association for the Advancement of Science, Leicester, 5 September 1972. Hodgkin's speech was in response to the Presidential Address given by Sir Vivian Fuchs.	1972
E.112	Correspondence etc <i>re</i> invitation and arrangements. Included is an advance copy of Fuchs's speech.	
E.113	3pp manuscript draft of Hodgkin's speech; typescript revised version.	

Lectures and speeches

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| E.114 | Speech at Imperial College, London, 26 October 1972. | 1972 |
| | Hodgkin gave the speech on being made a Fellow of the College at a ceremony commemorating the centenary of the death of HRH Prince Albert, the Prince Consort. | |
| | 12pp manuscript draft and typescript revised version (the date is inscribed on the first page). Both drafts are untitled. | |
| E.115 | Speech at the Royal Society Anniversary Dinner. | 1972 |
| | 11pp manuscript draft headed 'Anniversary Dinner'; typescript revised version. | |
| E.116-E.118 | Anniversary Address, Royal Society, 30 November 1973. | 1973 |
| E.116 | 6pp manuscript draft entitled 'Anniversary Address 1973' concerning general Royal Society business; 14pp manuscript draft entitled 'Thomas Young and his contribution to the understanding of colour' (this formed part of the Address). | |
| E.117 | Several pages of manuscript drafts and notes headed 'Notes for Anniv. Address' on first page; drafts of figure legends. | |
| E.118 | Corrected proof of the Address; correspondence, chiefly letters to Hodgkin from various scientists to whom he sent drafts of the Address for comment. | October 1973 |
| E.119 | 'RS Anniversary Dinner 1973 [? November or December]', contents of a file so inscribed. | 1973 |
| | 8pp manuscript draft; typescript revised version headed 'First draft'. | |

Lectures and speeches

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| E.120 | <p>'Recent Research on Visual Mechanisms', Trevor Shaw Memorial Lecture, 20 February 1974.</p> <p>Incomplete 15pp manuscript draft so entitled; typescript revised version.</p> | 1974 |
| E.121 | <p>'Electrical Analysis of Light Reception in Turtle Cones', 'NIH', June 1974.</p> <p>5pp manuscript draft and typescript revised version, entitled as above; 17pp expanded manuscript draft, also with the above title.</p> | 1974 |
| E.122 | <p>'Compton Institute [for Research on Animal Diseases]. June 1974', contents of an envelope so entitled.</p> <p>Hodgkin was Guest of Honour on the Institute's first Open Day.</p> <p>7pp manuscript draft and typescript revised version.</p> | 1974 |
| E.123 | <p>Speech at the opening ceremony of Centenary Celebrations, the Society for Analytical Chemistry, 16 July, 1974.</p> <p>Hodgkin was Guest of Honour.</p> <p>Brief correspondence <i>re</i> arrangements; 6pp manuscript draft of Hodgkin's speech and later typescript draft.</p> | 1974 |
| E.124 | <p>Addresses on Graduation Day, University of Leicester, July 1974.</p> <p>2 typescripts (both 2pp) of addresses.</p> | 1974 |
| E.125-E.127 | <p>'Recent work on visual mechanisms. Delhi 1974', contents of an envelope so inscribed.</p> | 1974 |
| E.125 | <p>26pp manuscript and typescript draft, entitled 'Recent work on visual mechanisms', with manuscript revisions</p> | |

Lectures and speeches

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| E.126 | 5pp manuscript notes; revised typescript draft with further manuscript revisions, inscribed '21.10.74' on first page. | |
| E.127 | Further typescript version, inscribed 'oral version', with figures. | |
| E.128-E.129 | Royal Society Anniversary Address, 30 November 1974. | 1974 |
| E.128 | 10pp manuscript draft headed 'MS Anniv. Address'; 6pp further manuscript draft pages; 1p manuscript draft of legends for slides. | |
| E.129 | 11pp manuscript draft entitled 'Sir John Pringle PRS and the origin of the Anniversary Address'; correspondence with various scientists concerning matters covered in the Address. | |
| E.129A | Address delivered at The Royal College of Surgeons of England, 8 January 1975.

The address was to new diplomates.

Correspondence <i>re</i> arrangements with a typescript draft of the address. | 1974-1975 |
| E.130-E.141 | Royal Society Anniversary Address, 1975.

Contents of a box file.

See G.226-G.227 for related papers. | 1975 |
| E.130-E.133 | 'Anniv. Address original MS', contents of a file so inscribed. | |
| E.130 | 10pp manuscript draft headed 'Anniversary Address'. | |

Lectures and speeches

- E.131 'Some consequences of the 1972 White Paper "A Framework for Government Research and Development (Command 5046)" '
- 15pp manuscript draft so entitled, with a further manuscript draft of the first page.
- E.132 4pp manuscript draft headed 'Draft - do not use'.
- E.133 Miscellaneous manuscript draft pages and notes.
- E.134-E.140 Correspondence etc with various scientists concerning Hodgkin's Anniversary Address. 1975
- Hodgkin sought advice from a number of colleagues in the scientific community concerning the organisation of science in the UK, a topic covered in his address. The correspondence arises from this and also includes more general comments on the address.
- Included at E.140 are 2 typescript drafts, with manuscript revisions, of the Address which were found with the correspondence.
- 7 folders.
- E.141 'Anniv. Address - further papers', contents of a file so inscribed. 1975
- Correspondence and papers *re* Dutch Elm Disease.
- E.142 'After lunch' speech at a Royal Society function. ?1975
- 7pp typescript draft entitled 'The Role of the Royal Society in Supporting Arts and Sciences', with manuscript revisions; brief data etc.
- E.143 'Leicester Medical Society'. 1976
- 7pp typescript of a speech (possibly an after-dinner speech) so entitled, also inscribed '11.11.76'.

Lectures and speeches

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| E.144 | 'Early Receptor Potential in Turtle Cones. Foster Club. 18 Nov. 1976', contents of an envelope so inscribed.

12pp manuscript draft headed 'E.R.P' and manuscript notes; typescript revised version. | 1976 |
| E.145-E.146 | 'Dunham Lectures 1976', contents of two envelopes so entitled. | 1976 |
| E.145 | 'Axonology past and present', first lecture.

25pp manuscript draft so entitled. | |
| E.146 | 'The Study of Excitable Membranes', second lecture.

23pp manuscript draft so entitled. | |
| E.147 | 'Electrical Analysis of Light Reception in the Turtle Retina', Halliburton Lecture in Physiology, King's College London, 24 February 1977.

Correspondence <i>re</i> arrangements and a previous invitation to give the lecture. | 1975-1977 |
| E.148-E.149 | Addresses in memory of Lord Adrian. | 1977 |
| E.148 | 'Address at the memorial service for Lord Adrian OM, FRS at Westminster Abbey on 18 October 1977'.

5pp typescript so entitled. | |
| E.149 | 'Lord Adrian: Gt. St. Mary's, Cambridge, 29 October 1977'.

9pp typescript draft of an address; typescript corrected version entitled as above. | |

Lectures and speeches

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| E.150-E.152 | Speeches made by Hodgkin in connection with his Chancellorship of the University of Leicester, 8 December 1977.

The speeches are all inscribed '8.12.77'. | 1977 |
| E.150 | Speech inviting Sir Cyril Clarke to open the Medical Sciences Building at the University of Leicester.

Untitled 4pp typescript. | |
| E.151 | 'Joint University / AHA Charitable Trust Inaugural Meeting, 8 December 1977'.

1p typescript draft with manuscript revisions. | |
| E.152 | 'Portrait'.

2pp typescript draft of a speech, so entitled, presenting a portrait to Sir Fraser Noble, former Vice-Chancellor of the University. | |
| E.153-E.154 | Dinner held on Hodgkin's admission as Master of Trinity College Cambridge, 5 October 1978.

Hodgkin made the following two speeches at the dinner: | 1978 |
| E.153 | 'Reply to Vice-Master. Admission of Master - dinner'.

10pp typescript so entitled. | |
| E.154 | 'Admission of new fellows'.

6pp typescript so entitled. | |
| E.155 | 'Matriculation Dinner [at Trinity College Cambridge]. 20th October 1978'.

4pp typescript draft, with manuscript revisions, so entitled. | 1978 |

Lectures and speeches

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| E.156 | <p>Untitled 1p typescript of a short introductory speech for the [Andrew] Marvell Tercentenary Lecture, Trinity College Cambridge.</p> <p>Inscribed '18th November 1978'.</p> | 1978 |
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| E.157 | <p>'The Alpine Club [at Trinity College Cambridge], 12th December 1978'.</p> <p>5pp typescript draft, so entitled, with manuscript revisions.</p> | 1978 |
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| E.158 | <p>'A surprising property of the rod network in the turtle retina', Foster Club, 1978.</p> <p>18pp manuscript draft so entitled; 1p manuscript notes.</p> <p>Contents of an envelope inscribed 'Foster Club 1978'.</p> | 1978 |
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| E.159 | <p>'Lees Knowles Lectures - 1979 (Lord Carver)'.</p> <p>Manuscript drafts, written on 2 small cards, of speeches introducing and concluding a lecture by Lord Carver, probably given at Trinity College Cambridge. Inscribed 'Feb 1979'.</p> <p>The cards were stapled to a page with the above title.</p> | 1979 |
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| E.160 | <p>'Past Masters: Trinity. 1st March 1979'.</p> <p>16pp typescript of a speech, so entitled, about the life and work of Lord Adrian.</p> | 1979 |
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| E.161 | <p>'Stagnation and reform in nineteenth century Cambridge'.</p> <p>17pp manuscript and typescript draft, so entitled, with manuscript revisions, also inscribed 'BA Society 9 March 1979'; later typescript draft with manuscript revisions and additions.</p> | 1979 |

Lectures and speeches

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| E.162 | 'Camberwell Dinner 28 April 1979'.

3pp typescript draft, so entitled, with manuscript revisions. | 1979 |
| E.163 | '99 Club [University of Cambridge]. May 4 1979'.

3pp typescript draft, so entitled, with manuscript revisions. | 1979 |
| E.164 | 'Graduation Dinner [at Trinity College Cambridge], 21st June 1979'.

6pp typescript draft, so entitled, with manuscript revisions. | 1979 |
| E.165 | 'Annual Gathering [at Trinity College Cambridge], 26th June 1979: for years 1935-1938'.

8pp typescript draft, so entitled, with manuscript revisions. | 1979 |
| E.166 | Speech welcoming HRH The Prince of Wales to Trinity College Cambridge, 1 August 1979.

Untitled 2pp typescript draft with manuscript revisions. The above date is inscribed on the first page. | 1979 |
| E.167 | 'Annual Gathering [at Trinity College Cambridge] year 1966-1967. 25th September 1979'.

7pp typescript draft, so entitled, with manuscript revisions. | 1979 |
| E.168 | 'Boat Club Dinner [at Trinity College Cambridge]: 4th October 1979'.

2pp typescript draft, so entitled, with manuscript revisions. | 1979 |

Lectures and speeches

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| E.169 | <p>'Fellowship Admission Dinner [at Trinity College Cambridge]: Tuesday 9th October 1979'.</p> <p>8pp typescript draft, so entitled, with manuscript revisions.</p> | 1979 |
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| E.170 | <p>'Matriculation Dinner [at Trinity College Cambridge]: 26th October 1979'.</p> <p>7pp typescript draft, so entitled, with manuscript revisions.</p> | 1979 |
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| E.171 | <p>'Birkbeck Lecture [Trinity College Cambridge] 28th November 1979'.</p> <p>Typescripts of short introductory and concluding speeches for the Birkbeck Lecture which was given by E.R. Norman, Dean of Peterhouse.</p> | 1979 |
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| E.172 | <p>'Commemoration [Trinity College Cambridge] 1979'.</p> <p>12pp typescript draft, so entitled, with manuscript revisions; brief manuscript note relating to the event.</p> | 1979 |
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| E.173 | <p>'6th Form Conference [at Trinity College Cambridge] 1979'.</p> <p>5pp typescript draft so entitled.</p> | 1979 |
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| E.174 | <p>'Clark Lecture [Trinity College Cambridge] 1980'.</p> <p>Typescript on one small card, so entitled. Inscribed '8th February 1980' on back.</p> | 1980 |
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| E.175 | <p>Speech in tribute to a former Trinity College classical scholar, John Smith.</p> <p>Untitled 6pp typescript draft with manuscript revisions, headed 'April-May 1980'.</p> | 1980 |

Lectures and speeches

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| E.176 | 'Graduation Dinner [Trinity College Cambridge] June 1980'.

6pp typescript draft, so entitled, with manuscript revisions. | 1980 |
| E.177 | 'Annual Gathering [at Trinity College Cambridge] June 1980'.

6pp typescript draft, so entitled, with manuscript revisions. | 1980 |
| E.178 | 'Leicester 1980 - Science, Social Science, Medicine'.

3pp typescript, so entitled, of an address at a graduation ceremony, University of Leicester. | 1980 |
| E.179 | 'Leicester 1980 - Arts, Law, Medicine'.

2pp typescript of an address at a graduation ceremony, University of Leicester. | 1980 |
| E.180 | 'Annual Gathering [at Trinity College Cambridge] 23rd September 1980'.

6pp typescript draft, so entitled, with manuscript revisions. | 1980 |
| E.181 | 'Fellowship Admission Dinner [Trinity College Cambridge] - 7th October 1980'.

8pp typescript draft, so entitled, with manuscript revisions. | 1980 |
| E.182 | 'Napp Ground-Breaking Ceremony [at Trinity College Cambridge], 20th October 1980'.

1p typescript so entitled. | 1980 |

Lectures and speeches

E.183	'Matriculation Dinner - 24th October 1980'. 6pp typescript draft, so entitled, with manuscript revisions.	1980
E.184	'Tree planting ceremony - 26th Nov 1980'. 1p typescript, so entitled, possibly incomplete.	1980
E.185-E.187	'The Physical Basis of Vision', Royal Institution, November 1980.	1981
E.185	Correspondence <i>re</i> the publication of the lecture.	1981
E.186	28pp typescript and manuscript draft of the published version of the lecture with manuscript revisions.	
E.187	Typescript of published version, revised from the version in E.186.	
E.188	'Staff dinner [at Trinity College Cambridge], 20 Dec-80'. 4pp manuscript draft so entitled.	1980
E.189	'Commemoration 1980'. 11pp typescript draft, so entitled, with manuscript revisions.	1980
E.190	Untitled 4pp typescript of a speech. The speech was in tribute to Wilhelm Feldberg just before his eightieth birthday.	1980

Lectures and speeches

E.190A-B.190B	<p>Contents of a ring binder inscribed 'ALH's speeches 1981-1982'.</p> <p>Typescripts and typescript drafts of speeches made by Hodgkin in connection with his Mastership of Trinity College Cambridge and Chancellorship of the University of Leicester.</p> <p>Most of the speeches appear to have been delivered at various Trinity College functions. A number of these are welcoming or introductory speeches. Those concerning the University of Leicester chiefly comprise speeches delivered at graduation ceremonies, 1981 and 1982.</p> <p>2 folders.</p>	1981-1982
E.191	<p>'Leicester Lecture, 2 March 1982', contents of an envelope so inscribed.</p> <p>29pp manuscript draft, with typescript inserted pages, entitled 'Neurobiology - past & present'.</p>	1982
E.192-E.195	<p>Lecture given at the Foster Club, 1 December 1982.</p>	1981-1982
E.192	<p>Untitled 17pp manuscript and typescript draft with manuscript revisions, including drafts for figures.</p>	
E.193	<p>Untitled typescript, revised from the draft in E.192.</p>	
E.194-E.195	<p>Contents of a file inscribed 'Notes for MS'.</p> <p>Various papers and correspondence, chiefly photocopies of papers by others. There are further pages of a manuscript draft, in Hodgkin's hand, at E.194.</p> <p>2 folders.</p>	1981-1982
E.195A	<p>Fuortes Memorial Lecture, 12 December 1983.</p> <p>23pp typescript draft of an Address by Hodgkin in memory of M.G.F. Fuortes entitled 'Attempting to understand vision'.</p>	1983

Lectures and speeches

E.196-E.206	Contents of a box file inscribed 'unpublished MSS and talks'.	1985-1987, nd
E.196-E.197	'Ionic Processes in Phototransduction', with P.A. McNaughton and B.J. Nunn', 12 September 1985.	1985
E.196	10pp typescript draft, so entitled, with manuscript revisions; manuscript notes.	
E.197	Figures.	
E.198	'Pisa 2-v-86'. Incomplete 1p manuscript draft of a speech or lecture, so entitled.	1986
E.199-E.200	'Control of light-sensitive currents in retinal rods', Foster Club, 11 March 1977.	1977
E.199	17pp manuscript draft so entitled; 5pp manuscript notes.	
E.200	Typescript draft, revised from the draft in E.199, with further manuscript revisions.	
E.201	'Control of light-sensitive currents in retinal rods. Viareggio 1987 Nov'. Incomplete 6pp manuscript draft, so entitled, and one page of a typescript draft; 4pp manuscript notes headed 'Viareggio &/or Fidia' (see E.202 for an apparently related lecture).	1987
E.202	Incomplete 3pp manuscript draft headed 'For Fidia - not used'. See E.201 for an apparently related lecture.	nd

Lectures and speeches

E.203	<p>'Requirements for a Model of Na / Ca Exchange on Vertebrate Rods'.</p> <p>Incomplete 7pp typescript draft, so entitled, with manuscript revisions; figures etc for slides.</p>	nd
E.204	<p>'Peter Baker', a speech by Hodgkin in tribute to a former colleague.</p> <p>Photocopy of 14pp manuscript draft so entitled.</p>	nd
E.205-E.206	<p>'Helmerich Lecture', contents of a file so inscribed.</p>	nd
E.205	<p>'Modulation of ionic currents in vertebrate photoreceptors'.</p> <p>31pp manuscript draft (pagination incomplete) so entitled.</p>	
E.206	<p>Typescript draft, revised from the draft in E.205, with further manuscript revisions.</p> <p>Transparancies are included.</p>	
E.207-E.214	<p>Undated speeches delivered during Hodgkin's Presidency of the Royal Society, 1970-1975.</p>	1970-1975
E.207	<p>Speech in tribute to Lord Blackett delivered at a meeting of the Royal Society.</p> <p>3pp typescript.</p>	
E.208	<p>Speech delivered at the Science Museum, London, to open an exhibition entitled 'George Ravenscroft and 300 years of lead glass'.</p> <p>3pp typescript.</p>	

Lectures and speeches

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| E.209 | Speech congratulating new diplomates of the Royal College of Surgeons.

6pp typescript. | |
| E.210 | Royal Society [?Anniversary Address].

18pp typescript of a probable Royal Society Anniversary Address, with references etc. | |
| E.211 | Speech covering general Royal Society business, possibly part of a Presidential Address.

7pp typescript. | |
| E.212 | Speech covering general Royal Society business, possibly part of a Presidential Address.

Incomplete 6pp manuscript draft. | |
| E.213 | Speech opening the Cambridge Science Park. | |
| E.214 | Speech introducing the 40th Parsons Memorial Lecture.

2pp typescript. | |
| E.215-E.226 | Undated lectures and speeches | |
| E.215 | 'The Optimum Density of Sodium Channels in an Unmyelinated Nerve'.

8pp typescript including references etc. | nd |
| E.216 | 'Eldridge-Green Lecture', contents of a file so inscribed.

Incomplete 9pp manuscript draft; incomplete typescript version. Both untitled. | nd |

Lectures and speeches

E.217-E.218	'MIT Lecture. MS of Na paper', contents of a file so inscribed.	nd
E.217	First page of a manuscript draft entitled 'Effect of internal sodium ions on the light-sensitive current in toad rods'; 5pp manuscript notes.	
E.218	'MIT Lecture'. 24pp typescript so entitled.	
E.219	'Fuortes & Hodgkin. Amsterdam Lecture', contents of a file so inscribed. Untitled 13pp manuscript draft; 7pp manuscript notes.	nd
E.220	'Bryanston', contents of a file so inscribed. Untitled 7pp manuscript draft and 1p manuscript notes.	nd
E.221	Speech to open a new laboratory building at the University of Oxford. 7pp manuscript draft and typescript revised version.	nd
E.222	Speech proposing the toast of the Institution of Electrical Engineers. 5pp typescript.	nd
E.223	'Luke Howard', a short talk on an ancestor of Hodgkin. 3pp typescript.	nd
E.224	Speech opening new buildings at a school. 11pp manuscript draft.	nd

Lectures and speeches

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| E.225 | Short speech introducing a lecture on Sir Charles Tennyson, probably at Trinity College Cambridge.

2pp manuscript draft on a small card. | nd |
| E.226 | Brief typescript note of an announcement for a social event at Trinity College Cambridge. | nd |

SECTION F **VISITS AND CONFERENCES, F.1-F.61** **1961-1998**

Arranged chronologically.

F.1-F.2 **Visit to the USA, June-July 1962.** **1961-1962**

Hodgkin was appointed the Alexander Forbes Lecturer (sponsored by the Grass Foundation) at the Marine Biological Laboratory, Woods Hole, Massachusetts for 1962. He delivered two lectures, 'Conduction of impulses in nerve and muscle, I and II', on 6 and 9 July.

Correspondence, chiefly *re* arrangements.

2 folders.

F.2A **Twenty-second International Congress of Physiological Sciences, Leiden, Netherlands, 10-17 September 1962.** **1962**

Hodgkin, with P.F. Baker and T.I. Shaw, presented a paper entitled 'Some experiments with perfused nerve fibres from *Loligo forbesi*' at a symposium on 'Biophysics of Peripheral Nerve'.

Abstract of the lecture with a letter from Baker to Hodgkin.

F.3 **'Neurophysiology - 1924-1964', a meeting at the University of Cambridge, 16-20 March 1964.** **1963**

The meeting, at which Lord Adrian was Guest of Honour, was supported by The Royal Society and the International Brain Research Organisation. Hodgkin attended but did not give a paper.

Brief correspondence etc *re* arrangements.

F.4 **Meeting of the International Organisation of Pure and Applied Biophysics, Paris, 22-26 June 1964.** **1963-1964**

Hodgkin gave a lecture entitled 'Some Recent Experiments on Giant Nerve Fibres'.

Correspondence *re* invitation and arrangements, with abstract of Hodgkin's paper.

Visits and conferences

F.5	<p>Visit to the USA, January 1965.</p> <p>Hodgkin attended a conference on squid axons, Miami, USA, 8-11 January and also gave a lecture at the 'NIH' on 13 January.</p> <p>Correspondence <i>re</i> arrangements and the later publication of an article entitled 'Effects of changes in ionic strength on inactivation and threshold in perfused nerve fibres of "Loligo"', with W.K Chandler, published in a supplement to 'The Journal of General Physiology', 49, May 1965. A corrected proof of the paper is included.</p>	1964-1965
F.6	<p>23rd International Congress of Physiological Sciences, Tokyo, Japan, 2-9 September 1965.</p> <p>Hodgkin delivered a lecture.</p> <p>Press cutting; published volume of abstracts of lectures (mostly in Japanese).</p>	1965
F.7-F.11	<p>Visit to the Soviet Union, 3-21 May 1967.</p> <p>In connection with a programme of scientific exchanges agreed between the Royal Society and the USSR Academy of Sciences Hodgkin visited Moscow, Leningrad, Kiev and Tbilisi and gave a series of lectures on perfused nerve fibres.</p>	1965-1968
F.7	<p>Correspondence <i>re</i> arrangements.</p>	1965-1967
F.8-F.9	<p>Correspondence with scientists whom Hodgkin met during his visit.</p> <p>2 folders.</p>	1967
F.10-F.11	<p>Correspondence with the Royal Society <i>re</i> its request to Hodgkin to write a report on the visit.</p> <p>2 folders.</p>	1967-1968

Visits and conferences

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| F.12-F.13 | <p>Visit to the USA, 15-22 January 1968.</p> <p>Hodgkin delivered the first Hester Adrian Memorial Lecture, Rockefeller University, New York, USA, 17 January. The lecture was entitled 'The Relation between Electrical and Mechanical Events in Muscle'. He also visited other medical institutions and gave an informal talk at Cornell University Medical College on 18 January.</p> <p>Correspondence chiefly <i>re</i> arrangements for the lecture and the other visits.</p> <p>2 folders.</p> | 1967-1968 |
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| F.14 | <p>Conference on ion flow in nerve membranes, Alabama, USA, 5-9 April 1971.</p> <p>The conference was under the auspices of the University of Alabama.</p> <p>Brief correspondence etc <i>re</i> arrangements and arising.</p> | 1970-1971 |
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| F.15 | <p>25th International Congress of Physiological Sciences, Munich, Germany, 25-31 July 1971.</p> <p>Brief correspondence <i>re</i> initial plans for the congress and arrangements.</p> | 1969, 1971 |
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| F.16-F.18 | <p>Visit to China, 20-30 May 1972.</p> <p>Hodgkin was a member of a Royal Society delegation whose other members were Sir Kingsley Dunham and Sir David Martin. The delegation visited the Peking National University and scientific institutes of the Academia Sinica, assessing the prospects of scientific exchanges between the UK and China.</p> | 1972 |
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| F.16 | <p>Typescript reports of visits to scientific establishments and typescript trip diary, all by Hodgkin.</p> | |
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| F.17 | <p>Royal Society report on the visit and photographs taken during the trip.</p> <p>The photographs show Hodgkin meeting Chinese hosts during various visits.</p> | |

Visits and conferences

- F.18 9pp manuscript draft of speech or article entitled 'Initial interest in nerve conduction'.

Inscribed 'from ?China file' on first page.
- F.19 Harden Conference on Neurobiology, Wye College, Kent, ?1972. 1971

Brief correspondence *re* early arrangements.
- F.20 'Light and sight' symposium, Amsterdam, 2-3 May 1973. 1973

A joint United Kingdom/Netherlands symposium celebrating cultural contributions by the two countries. Hodgkin appears to have attended in his capacity as President of the Royal Society.

List of participants and information.
- F.21 Visit to the Agricultural Research Council's Institute for Research on Animal Diseases, Compton, [?] June, 1974. 1974

Hodgkin was Guest of Honour on the Institute's first open day and made a speech.

Brief correspondence, chiefly arising from the open day.
- F.22-F.23 European Molecular Biology Organisation: workshop on 'Quantitive Concepts in Neurophysiology', Max-Planck-Institut für biologische Kybernetik, Tübingen, Germany, 2-6 September 1974. 1974

Hodgkin delivered a lecture entitled 'Analysis and Reconstruction of the Electrical Responses of Turtle Cones' and chaired a session on invertebrate vision.

Correspondence etc *re* arrangements.

2 folders.

Visits and conferences

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| F.24 | <p>Opening ceremony for the new headquarters of the Royal Meteorological Society, Bracknell, 26 September 1974.</p> <p>Hodgkin, as President of the Royal Society, laid the foundation stone and made a speech.</p> <p>Correspondence <i>re</i> arrangements and typescript draft of Hodgkin's speech.</p> | 1974 |
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| F.25-F.26 | <p>Visit to Australia, 12-18 October 1974.</p> <p>Hodgkin, as President of the Royal Society, accepted an invitation to the inauguration of the Anglo-Australian Telescope at Siding Spring Observatory, New South Wales, on 16th October. He also made a trip to the Snowy Mountains and visited the Medical School at the National University of Australia, Canberra.</p> <p>Correspondence etc <i>re</i> arrangements and arising.</p> <p>2 folders.</p> | 1974 |
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| F.27-F.31 | <p>26th International Congress of Physiological Sciences, New Delhi, India, 20-26 October 1974.</p> <p>Hodgkin gave a lecture entitled 'Recent work on visual mechanisms' and chaired a session. He flew to India immediately after concluding his Australian visit (see F.25-F.26).</p> <p>Correspondence mostly <i>re</i> arrangements.</p> <p>4 folders.</p> | 1972-1974 |
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| F.32 | <p>Visit to Ireland, 10-11 February 1975.</p> <p>Hodgkin made the visit in his capacity as President of the Royal Society and was the guest of the President of the Royal Irish Academy.</p> | 1974-1975 |

Visits and conferences

- F.33 'Virtual Mechanisms', British Photobiology Symposium, 1974-1975
University of East Anglia, Norwich, 10-11 April 1975.
- Hodgkin was only present on 11 April. His paper 'Reconstruction of electrical responses of turtle cones', with D.A. Baylor and T.D. Lamb, was delivered on 10 April.
- Correspondence etc *re* arrangements.
- F.34-F.37 Visit to the USA and Canada, 23 May-10 June 1975. 1974-1975
- The main purpose of Hodgkin's trip was to attend, as guest of honour, the annual meeting of the Royal Society of Canada, Edmonton, Alberta, 2-4 June, where he gave a lecture on 'Electrical analysis of of light reception in the turtle's retina'. He then attended part of the Cold Spring Harbour 40th Symposium on Quantitative Biology (entitled 'The Synapse'), New York, 3-10 June and chaired a session. Before travelling to Edmonton, Hodgkin visited scientific colleagues in California and gave a seminar at Stanford University Medical Center on May 29.
- Correspondence etc chiefly *re* arrangements.
- 4 folders.
- F.38 'Postsynaptic Actions of Neurotransmitters', Sir Henry 1975
Dale Centennial Symposium, Babbage Lecture Theatre,
Cambridge, 17-19 September 1975.
- Letter of invitation and reply.
- Hodgkin indicated that he wished to attend.
- F.39-F.41 Visit to Kenya, 4-20 December 1975. 1975-1978
- Following an invitation from the Governing Board of the International Centre for Insect Physiology and Ecology, Hodgkin visited the ICIPE centre in Nairobi to view its work, to hold discussions with its scientists and to deliver a lecture. He also travelled to other parts of Kenya, including Lakes Naivasha and Rudolf, the latter trip in the company of Richard Leakey, Director of the Kenya National Museum. He made a report on the whole visit to the Royal Society.

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Visits and conferences

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See G.228-G.234 for further correspondence and papers relating to this visit.

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| F.39 | 6pp incomplete manuscript diary of the trip and later typescript draft of the same.

A final typescript version of the diary is in G.228. | |
| F.40 | Ring-bound notebook used during the Kenya trip.

Mostly in Hodgkin's hand.

Contains diary entries and rough notes from scientific discussions. | |
| F.41 | Brief correspondence arising from the visit and later correspondence concerning the foundation of the Kenya Academy of Sciences. | 1976-1978 |
| F.42-F.44 | Visit to the USA, 13-26 March 1976.

Hodgkin was appointed Dunham Lecturer at the Harvard Medical School, Boston, Massachusetts, for 1975-1976. He delivered a series of three lectures under the title 'The Initiation and Conduction of Impulses in the Nervous System'.

Correspondence chiefly <i>re</i> arrangements, with abstracts of the lectures.

3 folders. | 1974-1976 |
| F.45-F.49 | Visit to Iran, 15-22 May 1976.

Hodgkin and Lord Todd, President of the Royal Society, visited Teheran to attend a meeting concerning the newly established Imperial Academy of Sciences of Iran. He also travelled to other parts of Iran for sightseeing. | 1975-1977 |
| F.45-F.46 | Correspondence <i>re</i> arrangements and arising.

2 folders. | 1975-1977 |

Visits and conferences

- F.47-F.49 Various papers providing background information for the visit.

3 folders.
- F.50 International Symposium on 'Photoreception' (sponsored by the Rank Prize Funds), Royal Society, London, 2-3 September 1976. 1975-1976

Hodgkin chaired a session.

Correspondence *re* arrangements and arising.
- F.51 Visit to the USA, 28 February-5 March 1977. 1969-1970,
1976-1977

Hodgkin was appointed Murlin Lecturer at the University of Rochester, New York, giving a lecture entitled 'Electrical analysis of light reception in the retina'. He also attended a number of social engagements at the university.

Correspondence *re* arrangements. Included is correspondence concerning an earlier invitation to be Murlin Lecturer.
- F.52-F.55 Round Table Symposium on 'Transduction and distal mechanisms of coding' at the 27th International Congress of Physiological Sciences, Paris, 18-23 July 1977. 1976-1977

Hodgkin chaired the symposium.

Correspondence etc *re* arrangements.

4 folders.
- F.56 28th International Congress of Physiological Sciences, Budapest, Hungary, 13-19 July 1980. 1980

Conference programme.

There is no definite evidence of Hodgkin's participation.

Visits and conferences

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| F.57-F.58 | <p>8th International Biophysics Congress, Bristol, 29 July-4 August 1984.</p> <p>Hodgkin chaired the Symposium on Photo and Auditory Receptors.</p> <p>Correspondence etc chiefly <i>re</i> arrangements.</p> <p>2 folders.</p> | 1983-1984 |
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| F.58A | <p>Unidentified conference, September 1985.</p> <p>Manuscript draft, with typescript revised version, entitled 'Ionic precursors in phototransduction', with P.A. McNaughton and B.J. Nunn. The date '12 September 1985' is inscribed on the drafts.</p> <p>Included is a page of manuscript data headed '1 May 1985'.</p> | 1985 |
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| F.59-F.61 | <p>Correspondence etc concerning conferences which Hodgkin did not attend.</p> <p>3 folders.</p> | 1971-1984,
1998 |

SECTION G	SOCIETIES AND ORGANISATIONS, G.1-G.237	1938-1989
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|-------------|---|
| G.1-G.7 | CAMBRIDGE GRADUATES' SCIENCE CLUB |
| G.8-G.13 | GEORGE HENRY LEWES STUDENTSHIP FUND |
| G.14 | GRESHAM'S SCHOOL |
| G.15-G.25 | LEVERHULME RESEARCH AWARDS ADVISORY COMMITTEE |
| G.26-G.103 | MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM (MBA) |
| G.104-G.120 | MEDICAL RESEARCH COUNCIL (MRC) |
| G.121-G.132 | NUFFIELD FOUNDATION |
| G.133-G.148 | PHYSIOLOGICAL SOCIETY |
| G.149-G.151 | ROYAL COMMISSION ON MEDICAL EVIDENCE |
| G.152-G.237 | ROYAL SOCIETY |

Societies and organisations

G.1-G.7	CAMBRIDGE GRADUATES' SCIENCE CLUB	1938-1960
	Hodgkin was elected a member in 1947. The Club included scientists such as E.V Appleton, E.D. Adrian and G.I. Taylor.	
G.1-G.5	Contents of a file inscribed 'CGSC - lectures, letters, attendance'.	1938-1952
G.1-G.2	Papers and correspondence <i>re</i> meetings, lectures and general business. 2 folders.	1938-1952
G.3	'Letters '39-45', bundle stapled together with a piece of paper so inscribed. Correspondence between various Club members (not including Hodgkin) concerning general business.	1939-1945
G.4	'Letters 1946', bundle stapled together with a piece of paper so entitled. Correspondence between various Club members (not including Hodgkin) concerning general business.	1946
G.5	'Letters 1947', bundle stapled together Correspondence between various Club members (including one letter by Hodgkin) <i>re</i> the annual dinner and other matters.	1947

Societies and organisations

G.6-G.7	<p>'Cambridge Graduate Science Club - correspondence 1951-1952', contents of a file so inscribed.</p> <p>Correspondence between various Club members, including Hodgkin, <i>re</i> general business. Chiefly 1951-1952.</p> <p>2 folders.</p>	1951-1952, 1960
G.8-G.13	<p>GEORGE HENRY LEWES STUDENTSHIP FUND</p> <p>The fund supported research in physiology. Hodgkin was one of its Managers.</p> <p>Minutes of meetings etc, correspondence and financial papers concerning the management of the fund.</p> <p>6 folders.</p>	1968-1983
G.14	<p>GRESHAM'S SCHOOL</p> <p>Hodgkin was a Governor of his old school.</p> <p>Brief correspondence concerning matters at the school.</p>	1984
G.15-G.25	<p>LEVERHULME RESEARCH AWARDS ADVISORY COMMITTEE</p> <p>Hodgkin was a member of the Committee from October 1977 to September 1978. He had previously served on it from 1967 to 1970.</p> <p>Most of the material concerns applications to the fund falling within Hodgkin's field of interest.</p>	1977-1979

Societies and organisations

G.15-G.19	General correspondence, minutes of meetings and other papers. 5 folders.	1977-1979
G.20	'Leverhulme: Emeritus Fellowships', contents of a file so inscribed. Correspondence and papers <i>re</i> applications.	1977-1978
G.21	'Leverhulme: Fellowships and grants', contents of a file so inscribed. Correspondence and papers <i>re</i> applications.	1977-1978
G.22	'Leverhulme: European studentships', contents of a file so inscribed. Papers <i>re</i> applications.	1978
G.23	'Leverhulme: Overseas studentships', contents of a file so inscribed. Correspondence and papers <i>re</i> applications.	1978
G.24	'Leverhulme: Senior studentships', contents of a file so inscribed. Correspondence and papers <i>re</i> applications.	1978
G.25	Summaries of shortlisted applications.	1978

Societies and organisations

G.26-G.103	MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM (MBA)	1956-1987
	<p>Hodgkin became a member in 1939 and regularly served on the Council from 1951. He was President, 1966-1976.</p> <p>The material chiefly consists of correspondence with senior staff at the MBA's laboratory, Plymouth, the Natural Environment Research Council (NERC) and other bodies; and Council papers.</p> <p>See Section C for papers relating to Hodgkin's research carried out at the MBA's laboratory.</p>	
G.26-G.35	<p>'MBA General correspondence', contents of a file so inscribed.</p> <p>Correspondence etc <i>re</i> general MBA business and scientific correspondence.</p> <p>The scientific correspondence is chiefly with T.I. Shaw of the Marine Biological Laboratory, Plymouth.</p>	1956, 1959-1977
G.26-G.28	<p>1956, 1959-1961.</p> <p>3 folders.</p>	
G.29-G.32	<p>1962-1970.</p> <p>4 folders.</p>	
G.33-G.35	<p>1971-1977.</p> <p>3 folders.</p>	
G.36-G.55	<p>'MBA - correspondence with Director', contents of a file so inscribed.</p> <p>Correspondence etc with F.S. Russell, E.J. Smith and E.J. Denton, successive Directors of the MBA's laboratory at Plymouth.</p>	1959-1984

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Societies and organisations

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The correspondence covers a range of matters concerning the activities of the MBA, in particular the running of the Plymouth laboratory.

G.36-G.39	1959-1967. 4 folders.	
G.40-G.45	1968-1973. 6 folders.	
G.46-G.50	1974-1976. 5 folders.	
G.51-G.52	1977-1984. 2 folders.	
G.53	'Dr J.E. Smith FRS', contents of a separate file so inscribed. Correspondence etc relating to Smith's tenure of the post of Director of the MBA's Plymouth laboratory.	1964-1975
G.54-G.55	Contents of a separate file concerning the vacant post of Director of the Laboratory of the MBA, Plymouth. Papers (photocopies), chiefly curricula vitae. 2 folders.	1973
G.56-G.57	Correspondence, with minutes of meetings etc, contents of a file. <i>Re</i> general business. 2 folders.	1966-1977

Societies and organisations

G.58-G.68	<p>'West Hoe site', contents of 3 files so inscribed.</p> <p>Papers and correspondence relating to a proposed joint laboratory development at this site in Plymouth between the MBA and the Natural Environment Research Council (NERC).</p> <p>Included are minutes of meetings and various reports.</p> <p>11 folders.</p>	1968-1972
G.69-G.71	<p>Correspondence etc <i>re</i> possible arrangements regarding research between the NERC, the Science Research Council and the MBA; and general matters.</p> <p>3 folders.</p>	1974-1976
G.72	<p>'Squid film', contents of a file so inscribed.</p> <p>The film, made with Hodgkin's assistance [? in 1976], was entitled 'The Squid and its Giant Nerve Fibre'.</p> <p>Letter to Hodgkin with draft script synopsis; later correspondence arising.</p>	1974-1977
G.73-G.77	<p>'MBA current. Grant-aided status etc', contents of a file so inscribed.</p> <p>Correspondence and papers concerning the status of grant-aided bodies in NERC (with reference to the MBA) and related matters.</p> <p>5 folders.</p>	1975
G.78-G.80	<p>'MBA applications to DFG and CNRS', contents of a file so inscribed.</p> <p>Correspondence <i>re</i> applications by the MBA to the Centre National de la Recherche Scientifique (CNRS), France, and the Deutsche Forschungsgemeinschaft (DFG), West Germany, for financial support.</p> <p>3 folders.</p>	1975-1977

Societies and organisations

G.81-G.103	MBA Council papers. Minutes of meetings, reports, memoranda etc. with related correspondence.	1969-1980, 1987
G.81-G.91	1969-1973. 11 folders.	
G.92-G.103	1974-1980, 1987. 12 folders.	
G.104-G.120	MEDICAL RESEARCH COUNCIL (MRC)	1960-1978
	Hodgkin was a Member of the Council, 1959-1963.	
G.104-G.114	Correspondence and papers <i>re</i> Hodgkin's refereeing of research grant applications to the MRC. 11 folders.	1960-1966
G.115-G.116	Correspondence <i>re</i> Hodgkin's assistance in assessing applications (in the field of physiology and cell biophysics) to the MRC's Training Awards Committee. The applications were by research departments for numerical allocations of scholarships. 2 folders.	1970
G.117	'Appointments and Grants Committee', contents of a file so inscribed. Brief correspondence <i>re</i> refereeing project grant applications.	1971-1972

Societies and organisations

G.118-G.120	<p>'[Ad hoc] MRC Vision Working Party', contents of a file so inscribed.</p> <p>Hodgkin was a member of the Working Party which was set up in 1976 to assess the future research capabilities of the MRC Vision Unit.</p> <p>Correspondence and papers.</p> <p>3 folders.</p>	1976-1978
G.121-G.132	NUFFIELD FOUNDATION	1962-1968
	<p>Hodgkin served on the Biological Scholarships and Bursaries Selection Committee from 1962.</p>	
G.121-G.128	<p>Correspondence and papers <i>re</i> Hodgkin's refereeing of research grant applications.</p> <p>Photocopies of applications are included.</p> <p>8 folders.</p>	1962-1968
G.129-G.132	<p>Further photocopies of grant applications.</p> <p>4 folders.</p>	1964
G.133-G.148	PHYSIOLOGICAL SOCIETY	1951-1979
	<p>Hodgkin was a member of the Society. He became a member of the Society's Monographs Sub-committee in 1951.</p>	
G.133-G.142	<p>Correspondence etc concerning the Monographs Sub-committee's work on the publication of physiological monographs.</p> <p>10 folders.</p>	1951-1961

Societies and organisations

G.143-G.147	Correspondence and papers <i>re</i> the general business of the Society. 5 folders.	1961-1979
G.148	Correspondence chiefly <i>re</i> Hodgkin's Review Lecture delivered at the Centenary Meeting of the Society, Cambridge, 2-3 July 1976.	1975-1976
G.149-G.151	ROYAL COMMISSION ON MEDICAL EVIDENCE Hodgkin was one of four representatives of the Physiological Society who gave evidence to the Commission. Correspondence etc <i>re</i> the Physiological Society's evidence to the Commission. 3 folders.	1965-1967
G.152-G.237	ROYAL SOCIETY Hodgkin was President of The Royal Society, 1970-1975. He was awarded the Copley Medal in 1965.	1953-1989
G.152-G.180	Contents of 3 files labelled 'I', 'II' and 'III'. Correspondence and papers <i>re</i> general Royal Society business associated with Hodgkin, and business covering the period of his Presidency. The material covers matters such as conferences, meetings, foreign visits and exchanges, awards, grants, publications and refereeing papers.	1958-1977
G.152-G.159	Contents of file 'I', also labelled 'Correspondence 1960-65'. 8 folders.	1958-1966

Societies and organisations

G.160-G.166	Contents of file 'II', also labelled 'Correspondence 1966-69'. 7 folders.	1961-1977
G.167-G.178	Contents of file 'III', also inscribed 'Correspondence 1970 – [sic]'. 12 folders.	1969-1977
G.179-G.180	'Royal Society - personal', contents of a file so inscribed. This file was found within file 'III' (see G.167-G.178). Included is correspondence <i>re</i> Hodgkin's drafting of his Anniversary Address (as incoming President), 30 November 1970; and a typescript draft of the Address (at G.180), with manuscript revisions. 2 folders.	1970-1971
G.181-G.188	'RS copy letters', contents of a file so inscribed. Correspondence (mostly photocopies) and papers concerning Society business during Hodgkin's term as President. 8 folders.	1970-1977
G.189-G.196	Contents of files relating to the candidatures of various scientists for Fellowship of the Royal Society.	1953-1988
G.189	1953.	
G.190	1967.	
G.191	1967-1968.	
G.192	1967-1970.	

Societies and organisations

G.193	1969.	
G.194	1976.	
G.195-G.196	1983-1988. 2 folders.	
G.197-G.203	Miscellaneous correspondence etc. Chiefly concerning candidatures for election to Fellowship of the Royal Society; a few letters and papers relate to candidatures for Foreign Membership. 7 folders.	1960-1988
G.204-G.206	Correspondence and papers <i>re</i> meetings etc of the International Union of Physiological Sciences, contents of an unmarked file. 3 folders.	1960-1966
G.207-G.213	Contents of files <i>re</i> candidatures for Royal Society Research Professorships. Correspondence etc. Hodgkin was a member of the Royal Society Research Professorships 'B side' Committee.	1964-1969
G.207	1964.	
G.208	1964.	
G.209	1967-1969.	
G.210	1969.	

Societies and organisations

G.211-G.213	Miscellaneous papers and correspondence <i>re</i> the candidatures of various scientists for Research Fellowships. 3 folders.	1964-1965
G.214	'Officers' correspondence', contents of a file so inscribed. Correspondence between officers of the Royal Society concerning various grant applications for research etc.	1970-1971
G.215-G.218	Papers relating to the running of the Royal Society Club. Hodgkin was a member of the Club and President for the year 1973-1974 and, possibly, other years. 4 folders.	1961-1962, 1971-1985
G.219	Visit of the Emperor of Japan to the Royal Society, 6 October 1971. Brief correspondence with programme etc.	1971
G.220	Correspondence concerning arrangements for an official portrait of Hodgkin, as President of the Royal Society, and correspondence arising.	1974-1978
G.221-G.225	'Royal Society Appeal', contents of a file so inscribed. Correspondence, chiefly letters requesting donations to the Society's 1974 Appeal and replies. 5 folders.	1974-1975
G.226-G.227	Anniversary Dinner and Address, 1975, contents of a file. See E.130-E.141 for related papers.	1975-1976
G.226	Copies of letters by Hodgkin to various scientists <i>re</i> the drafting of his Anniversary Address.	1975-1976

Societies and organisations

- G.227 Typescript draft of Hodgkin's Address and corrected proof.
- G.228-G.234 'ICIPE', contents of a file so inscribed. 1975-1980
- Hodgkin was a member of the British National Committee for the International Centre of Insect Physiology and Ecology.
- Committee papers and correspondence. The correspondence chiefly relates to Hodgkin's visit to the ICIPE Centre in Nairobi, Kenya, December 1975. Included at G.228 is a 17pp typescript by Hodgkin entitled 'Notes on a visit to the International Centre for Insect Physiology and Ecology, Nairobi, and some other places of scientific interest in Kenya. 4th-20th December 1975'.
- 7 folders.
- G.234A Correspondence *re* an appointment to a Foulerton Research Professorship. 1975-1977
- G.235 Correspondence etc *re* arrangements for Royal Society soirees. 1976-1978
- Chiefly *re* soirees in June 1977, which included an exhibition to commemorate the Queen's Silver Jubilee, and a Royal Society Jubilee publication.
- Hodgkin was involved in the organisation of the 1977 exhibition and contributed to the Jubilee publication.
- G.236-G.237 Miscellaneous correspondence. 1960-1989
- Re* general Society business.
- G.236 1960-1978.
- G.237 1984-1989.

SECTION H	CORRESPONDENCE-H.1-H.158	1945-1990
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H.1-H.24	'SCIENTIFIC CORRESPONDENCE 1945-1950'
H.25-H.36	CORRESPONDENCE 1945-1957
H.37-H.93	'OLD LETTERS'
H.94-H.152	'GENERAL FILES'
H.153-H.158	MISCELLANEOUS

H.1-H.24	'SCIENTIFIC CORRESPONDENCE 1945-1950'	1945-1954, nd
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A chronological sequence of correspondence with colleagues about research, publications, visits etc.

H.1	1945 February
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H.2	1945 March
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H.3	1945 April, May Includes photograph of 'Tess' Rothschild.
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H.4	1945 June Includes patent specification.
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H.5	1945 July, October Includes undated papers found with 1945 material.
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H.6	1946
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H.7	1947 February - June
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Correspondence

H.8	1947 September - December
H.9	1948 January, February
H.10	1948 March-May
H.11	1948 July, August
H.12	1948 September
H.13	1948 October - December
H.14	1949 January - April
H.15	1949 June (1)
H.16	1949 June (2) Includes 'Report on A.F. Huxley's Qualifications for a Title B Fellowship' by Hodgkin, 10 June 1949.
H.17	1949 July - September
H.18	1949 October - December Includes undated papers found with 1949 material.
H.19	1950
H.20	1951

Correspondence

H.21 1952

H.22 1953

H.23 1954

H.24 Nd

Includes manuscript drafts of Hodgkin's letters.

H.25-H.36

CORRESPONDENCE 1945-1957

**1945-1957,
nd**

Contents of an untitled folder.

Chronological sequence of scientific correspondence complementary to the preceding. Includes correspondence *re* equipment and supplies.

H.25 1945

H.26 1946 January - March

H.27 1946 April - June

H.28 1946 July - December

Includes undated papers found with 1946 materials.

H.29 1947

H.30 1948 January - March

Correspondence

H.31 1948 April - June

H.32 1948 July - December

H.33 1949

H.34 1950

H.35 1954, 1957

H.36 Nd

H.37-H.93 'OLD LETTERS' 1947-1959

Contents of two box folders so inscribed: alphabetical
sequence of correspondence with colleagues about
research, publications, visits, equipment, etc.

H.37 Abbott - Adrian 1950-1959

H.38 Agricultural Research Council 1956, 1959
See also H.82

H.39 Baker - Bergman 1954-1959

H.40 Biophysics - Boyd 1953-1959

H.41 Bragg - Brown 1952-1959

Correspondence

H.42	Buchtal - Butler	1956-1959
H.43	Caldwell - Causey	1948-1958
H.44	Chadwick - Chase	1950-1956
H.45	Cole, K.S.	1951-1956
H.46	Conway - Cruickshank	1953-1957
H.47	Dainty - Davies	1950-1958
H.48	Dawson, G.D.	1952
H.48A	Delbruck - Dunham	1951-1956
H.49	Eccles, J.C.	1951-1953
H.50	Eggleton - Evans	1952-1956
H.51	Feldberg - Frankenhaeuser	1949-1957
H.52	General Electric Company - Grundfest	1947-1957
H.53	Hall - Hallpike	1953, 1955
H.54	Harris, E.J.	1950-1953

Correspondence

H.55	Harwell - Hilger & Watts Ltd	1951, 1955
H.56	Hill, A.V. and D.K.	1953-1957
H.57	Hope, A.B.	1955
H.58-H.59	Horowicz, P. 2 folders.	1955-1957
H.60	Hoyt - Ilford Ltd	1952-1953
H.61	Jackson - Jung	1947-1955
H.62	Katz, B Includes draft statement by Hodgkin on Katz's 'outstanding contribution to neurophysiology', July 1950.	1950-1958
H.63	Kavalier - Kernan	1953-1957
H.64	Keynes, R.D. Includes list of publications.	1951-1956
H.65	Kirschner - Kuwabara	1952-1956
H.66	Leaf - Luttgau	1949-1956
H.67	McCulloch - McLardy	1950-1952

Correspondence

H.68	Magoun - Marconi Instruments Ltd	1947-1957
H.69	Martin - Miller	1952-1958
H.70	Mommaerts - Murphy	1955-1958
H.71	Nachmansohn - Nastuk	1952-1958
H.72	National Academy of Sciences	1955
H.73	<i>Nature</i>	1953-1956
H.74	Oster, G.	1952
H.75	Palmer - Paton	1951-1956
H.76	Penguin Science News - Photophone Ltd	1950-1952
H.77	Plymouth - Pringle Includes abstracts of papers by Hodgkin found in alphabetical sequence at 'P'.	1950-1956
H.78	R.C.A. - Russell	1951-1957
H.79	Sato - Seifriz	1950-1955
H.80	Shanes - Sinclair	1949-1958

Correspondence

H.81	Singer Instrument Company Ltd	1948-1955
H.82	Slater, W.K. Slater was Secretary of the Agricultural Research Council. See also H.2.	1958
H.83	Smith - Spyropoulos Includes correspondence with Ruskin Spear <i>re</i> portrait of E.D. Adrian, 1953.	1952-1958
H.84	Stampfli, R.	1952-1957
H.85	Steinbach - Szabuniewicz	1950-1958
H.86	Tasaki - Tobias	1950-1959
H.87	Tosteson, D.C. Includes research report.	1954-1956
H.88	Tozer - Troshin	1949-1959
H.89	Umrath - Vogel	1952-1957
H.90	Wald - Weddell	1950-1955
H.91-H.92	Weidmann, S. 2 folders.	1950-1957
H.93	Weinberg - Woodbury	1950-1955

Correspondence

H.94-H.152	'GENERAL FILES'	1954-1969
	Contents of box folders so inscribed: an alphabetical sequence of correspondence A-K with colleagues about research, publications, visits, etc . Files L-Z were not found.	
H.94	Abelson - Adair	1966, nd
H.95	Adelman, Jr, W.J.	1964-1965
H.96	Adrian - Ames	1960-1968
H.97	Andersen - Awan	1962-1967
H.98	Bachofer - Barlow	1961-1967
H.99	Barnes - Baumann	1965-1968
H.100	Beigelman - Bennett	1961-1968
H.101	Bennett-Clark - Bettenson	1962-1966
H.102	Bianchi - Blum	1965-1968
H.103	Boden - Botre	1960-1967
H.104	Bouckaert - Boyd	1959-1966

Correspondence

H.105	Bragg - Brewer	1963-1967
H.106	Brinley - British Museum	1962-1966
H.107	Britton, H.G.	1960-1968
H.108	Brookhart - Brundrett	1962-1968
H.109	Buchtal - Buxton	1959-1967
H.110	Cadoret - Calvin	1963-1967
H.111	Canberra Conference - Castagnino	1960-1968
H.112	Central Office of Information - Chance	1959-1968
H.113	Chapman - Cimpenu	1963-1968
H.114	Clark - Claude Bernard Symposium	1965-1967
H.115	Cochrane - Cordeau	1960-1968
H.116	Cosslett - Coxon	1961-1966
H.117	Cragg - Currie	1961-1967
H.118	Dainty - Desmedt	1960-1966

Correspondence

H.119	Devi - Dun	1961-1967
H.120	Eakin - Edsall	1960-1966
H.121	Eichholtz - Eisenman	1960-1968
H.122	Elbe - Elul	1959-1966
H.123	EMBO - Engler	1962-1966
H.124	Etchevehere - Eyring	1965-1967
H.125	Faber - Fatt	1954-1962, nd
H.126	Federation - Fenn	1961-1969
H.127	Finger - Florey	1959-1968
H.128	Fogg - Foulks	1962-1968
H.129	Frank - Fulton	1959-1965
H.130	Gaddum - Ganong	1957-1964
H.131	Gelfan - Glynn	1960-1967
H.132	George, E.P.	1959-1967

Correspondence

H.133	Goldman - Gotte	1959-1965
H.134	Graduate Science Club - Grenell	1960-1967
H.135	Griffin - Grossberg	1960-1965
H.136	Grundfest - Guthe	1954-1969
H.137	Hackett - Hamburg	1962-1967
H.138	Hampel - Hartline	1959-1965
H.139	Heath - Hendrix	1960-1968
H.140	Hickman - Hinke	1962-1968
H.141	Hoar - Horridge	1959-1967
H.142	Hoskin - Hyman	1958-1968
H.143	l'Anson - Imai	1956-1969
H.144	Ing - Izquierdo	1961-1967
H.145	Jabbur - Jardetzky	1960-1966
H.146	Jena - Johns	1959-1966

Correspondence

H.147	Johnson - Joy	1960-1968
H.148	Kaldor - Katsuki	1962-1967
H.149	Keeton - Kersey	1960-1968
H.150	Kikuchi - Kleinzeller	1959-1966
H.151	Koelle - Koffler	1960-1966
H.152	Kormondy - Kunov	1960-1967
H.153-H.158	MISCELLANEOUS	1947-1990, nd
H.153	Correspondence and papers <i>re</i> visit to the UK of R.D. Evans (MIT) and J.G. Hamilton (Berkeley). The visit was arranged by the Medical Research Council. The correspondent in Cambridge is E.D. Adrian.	1947
H.154	Correspondence <i>re</i> publications, research etc.	1958-1974
H.155	Correspondence <i>re</i> history of science, publication etc.	1983, 1990, nd
H.156-H.157	'File under Stampfli Keep' Contents of folder so inscribed: correspondence and papers <i>re</i> biographical article about A.F. Huxley written by R. Stampfli in 1970. At H.157 is letter from Hodgkin to Stampfli with Stampfli's reply, April 1947. 2 folders.	1947-1974

Correspondence

H.158

'ALH-LETT.DOC'

1947-1952

Contents of envelope so inscribed: photocopies of Hodgkin's correspondence, 1947-1952, with some wordprocessed copies.

Hodgkin's correspondents are K.S. Cole and V. Rothschild.

SECTION J	NON-TEXTUAL MATERIAL, J.1-J.121	1937-1972, nd
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J.1-J.82	PHOTOGRAPHIC FILMS
J.83-J.104	PHOTOGRAPHIC SLIDES
J.105-J.118	PHOTOGRAPHIC PRINTS
J.119-J.121	OUTSIZE MATERIAL

J.1-J.82	PHOTOGRAPHIC FILMS	1937-1963
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Safety Films 35 m/m . Many identified either by strips of paper or ink inscriptions on the film itself or both. As well as container.

Card film boxes of single film, metal film cansisters with from one to films, card.

Some films are composed of more than one piece and have been stapled together.

J.1	Card film canister inscribed on lid 'Nov 13th Axon 1. Growth of LR Refractory P'. 1 film.	1937
J.2	Card film canister inscribed on lid 'Nov 13th. Polarisability during spike'. 1 film.	1937
J.3	Metal Safety film box labelled on lid 'Tuesday Nov 23rd Supernormal Phase Reproduction Development of LR' 2 films.	1937
J.4	Card film canister inscribed on lid 'Monday December 6th. Polarisability during spike...' 1 film.	1937

Non-textual material

J.5	Metal Safety film box labelled on lid 'Tuesday Dec 7[...]' 2 films.	1937
J.6	Metal Safety film box labelled on lid 'Wednesday December 8 [...]' 3 films.	1937
J.7	Metal Safety film box labelled on lid 'December 9 [...]' 1 film. Includes loose label inside box 'Supernormal Phase. Refractory Period'.	1937
J.8	Metal Safety film box labelled on lid 'Friday Dec 10. Development [...]' 5 films.	1937
J.9	Metal Safety film box labelled on lid 'Wed Dec 15 + Dec 22' 4 films. Box also contains manuscript notes and label.	1937
J.10	Metal Safety film box labelled on lid 'Friday Dec 17 [...]' 5 films. Box also contains manuscript notes.	1937
J.11	Metal Safety film box labelled on lid 'Sat Dec 18 [...]' 2 films.	1937

Non-textual material

F.12	Metal Safety film box labelled on lid 'Ref P Control [...] Dec 21'	1937
	3 films	
J.13	Metal Safety film box labelled on lid 'Jan 4 [...]	1938
	3 films.	
	Box also contains manuscript notes.	
J.14	Metal Safety film box labelled on lid 'Jan 12th Abs Ref [...]	1938
	2 films.	
	Box also contains manuscript notes.	
J.15	Metal Safety film box labelled on lid 'Jan 14'	1938
	1 film.	
	Box also contains manuscript notes.	
J.16	Metal Safety film box labelled on lid 'Jan 19 [...]	1938
	2 films.	
	Box also contains manuscript notes.	
J.17	Metal Safety film box labelled on lid 'Jan 21 [...] Refractory P. Good'	1938
	2 films.	
	Box also contains manuscript notes.	

Non-textual material

J.18	Metal Safety film box labelled on lid 'Jan 25 LR and Excitability' [...] 2 films. Box also contains manuscript notes.	1938
J.19	Card film canister inscribed on lid 'Jan 27 play + excit' 1 film.	1938
J.20	Metal Safety film box labelled on lid 'LR + Excit. 2 shocks good. Jan 28 1938'. 2 films.	1938
J.21	Metal Safety film box labelled on lid 'Feb 1st LR [...] 2 films. Box also contains manuscript notes.	1938
J.22	Metal Safety film box labelled on lid 'Feb 2 [...] 5 films.	1938
J.23	Card film canister inscribed on lid 'Feb 6th 1938' 1 film.	1938
J.24	Card film canister inscribed on lid 'Feb 10th [...] Calibrat.' 1 film.	1938
J.25	Metal Safety film box labelled on lid 'May 10 Conduction rate' 1 film.	1938

Non-textual material

J.26	Metal Safety film box labelled on lid 'May 11 Axons 1' 2 films.	1938
J.27	Metal Safety film box labelled on lid 'May 12' 1 film.	1938
J.28	Metal Safety film box labelled on lid 'May 15 1938 Conduction Rate' 2 films. Box also contains manuscript notes.	1938
J.29	Metal Safety film box labelled on lid 'May 16 Conduction rates' 4 films. Box also contains manuscript notes.	1938
J.30	Metal Safety film box labelled on lid ' May 19 [...] 2 films. Box also contains manuscript notes.	1938
J.31	Metal Safety film box labelled on lid 'May 21' 1 film. Box also contains manuscript notes.	1938
J.32	Card film canister inscribed on lid 'May 21' 1 film.	1938

Non-textual material

J.33	Metal Safety film box labelled on lid 'May 23' 1 film. Box also contains manuscript notes.	1938
J.34	Metal Safety film box labelled on lid 'May 24' 1 film. Box also contains manuscript notes.	1938
J.35	Metal Safety film box labelled on lid 'May 25 1938 [...]' 1 film. Box also contains manuscript notes.	1938
J.36	Card box inscribed on lid 'May 26 1938' 1 film. Box also contains manuscript notes.	1938
J.37	Metal Safety film box labelled on lid 'Friday May 27' 1 film.	1938
J.38	Metal Safety film box labelled on lid 'May 30' 4 films. Box also contains manuscript notes.	1938
J.39	Card film canister inscribed on lid 'Squid June 17 Axon 1' 1 film.	1938

Non-textual material

J.40	Card film canister inscribed on lid 'June 17 Axon 2' 1 film.	1938
J.41	Card film canister inscribed on lid 'June 18 Impedance [...]' 1 film.	1938
J.42	Card film canister inscribed on lid 'June 18' 1 film.	1938
J.43	Card film canister inscribed on lid 'June 20th Monday' 1 film.	1938
J.44	Card film canister inscribed on lid 'Tuesday June 21st' 1 film.	1938
J.45	Card film canister inscribed on lid 'June 25 Axon II Reel I Beginning' 1 film.	1938
J.46	Card film canister inscribed on lid 'June 25 Axon II End Reel 2' 1 film.	1938
J.47	Card film canister inscribed on lid 'June 25' 1 film.	1938
J.48	Card film canister inscribed on lid 'June 27' 1 film.	1938

Non-textual material

J.49	Card box inscribed on lid 'Nov 17 1938' 2 films. Box also contains manuscript notes.	1938
J.50	Card box inscribed on lid 'Feb 15 Alcohol + [...] 1939' 2 films.	1939
J.51	Card film canister inscribed on lid '22.5.39' 1 film.	1939
J.52	Card film canister inscribed on lid '31.5.39' 1 film.	1939
J.53	Card film canister inscribed on lid '6.6.39' 2 films.	1939
J.54	Card film canister inscribed on lid '7.6.39 Lobster' 1 film.	1939
J.55	Card film canister inscribed on lid '13.6.39' 1 film.	1939
J.56	Card film canister inscribed on lid '14.6.39. Two parts' 2 films.	1939
J.57	Card film canister inscribed on lid '20.6.39 Reel I' 1 film.	1939

Non-textual material

J.58	Card film canister inscribed on lid '20.6.39 Reel II' 1 film.	1939
J.59	Card film canister inscribed on lid '20.6.39 Reel III'	1939
J.60	Card film canister inscribed on lid 'June 21. 39' 1 film.	1939
J.61	Card film canister inscribed on lid 'June 22 1939' 2 films.	1939
J.62	Card film canister inscribed on lid 'June 29 [...]' 1 film.	1939
J.63	Card film canister inscribed on lid 'June 29th 1939' 1 film.	1969
J.64	Card film canister inscribed on lid 'Aug 15 1939' 2 films.	1939
J.65	Card film canister inscribed on lid 'Aug 16 1939' 1 film.	1939
J.66	Card film canister inscribed on lid 'Aug 23. 1939' 1 film.	1939

Non-textual material

J.67	Card film canister inscribed on bottom 'Aug 23rd' 1 film.	1939
J.68	Card film canister inscribed on lid 'Aug 24 calibrations Aug 25' 2 films.	1939
J.69	Card box inscribed on lid 'Dec 20 [...] 1939' 3 films. Box also contains manuscript notes.	1939
J.70	Card box inscribed on lid 'Jan 18 Spare RP' 2 films.	late 1930s
J.71	Card film canister inscribed on lid '[?Thursday] Nov 12th. Refractory period LR' 1 film.	late 1930s
J.72	Card film canister illegible inscription on lid 1 film. Canister also contains manuscript notes.	late 1930s
J.73	Card film canister no inscription 1 film. Canister also contains manuscript notes.	late 1930s
J.74	Card box inscribed on lid 'May 1947 [...]' 3 films.	1947

Non-textual material

J.75	Card box inscribed on lid 'Films Hodgkin sept 1952' 10 films.	1952
J.76	Card box inscribed on lid 'Alan. Extra set of Film copies. Voltage Clamp 1954 and original films for Aug & Sept 1954' 32 films.	1954
J.77	Card box inscribed on lid 'Alan. FILMS Oct 1954 ca voltage clamp' 22 films.	1954
J.78	Card box inscribed on lid 'FILMS. RECORDS FOR PRINTS. Autumn 1954 After effects' 14 films. Box also contains manuscript notes dated December 1961.	1954, 1961
J.79	Card box inscribed on lid 'FILMS 1960-61', with earlier inscription 'Instruments A.L. Hodgkin Physiological Laboratory Cambridge' 33 films. Box also contains photographic negatives, envelopes of photographic enlargements of giant-nerve fibre of squid and other photographic material, and manuscript notes.	1960-1961
J.80	Card box labelled on lid 'FILMS Oct-Dec 1961' 23 films. Box also contains envelopes of photographic prints.	1961

Non-textual material

J.81	Card box inscribed on lid 'PFB + HM Oct 15-Nov 8 1962' and 'All to be kept A.L.H.'	1962
	7 films in metal canisters.	
	Films dated between 16 October-8 November.	
J.82	Card box labelled on lid 'ALH + HM November 19 1962-January 4 1963'	1962-1963
	19 films, 10 in metal canisters.	
	Films in canisters dated between 19 November-13 December 1962.	
J.83-J.104	PHOTOGRAPHIC SLIDES	1939-1951, nd
	A few used to illustrate identified lectures, cross-referenced where possible.	
J.83	Card box of plate glass slides inscribed on side of lid '1939'	1939
J.84	Card box of plate glass slides inscribed on side of lid '1946 Carcinus'	1946
J.85	Larger format card box of plate glass slides inscribed on side of lid 'Repet 1947'	1947
J.86	Card box of plate glass slides inscribed on lid 'Mr Hodgkin. 28/4/47'	1947
J.87	Card box of plate glass slides inscribed on side of lid 'Paris 1948'	1948

Non-textual material

J.88	Card box of plate glass slides inscribed on side of lid '[U Cl] Electron Microscope 1948'	1948
	Includes some manuscript notes on index cards.	
J.89	Card box of plate glass slides inscribed on side of lid 'Muscle etc 1948'	1948
J.90	Card box of plate glass slides inscribed on side of lid '1948 Squid Na+'	1948
J.91	Card box of plate glass slides inscribed on side of lid '1948 Unpublished Theory'	1948
J.92	Card box of plate glass slides. No inscription Two slides dated 1948.	ca 1948
J.93	Card box of plate glass slides inscribed on side of lid '1949 Paris'	1949
J.94	Card box of plate glass slides inscribed on side of lid '1949 Muscle'	1949
J.95	Card box of plate glass slides inscribed on side of lid '1950 Copenhagen'	1950
	See also E.3.	
J.96	Larger format card box of plate glass slides inscribed on side of lid '1950'	1950
J.97	Card box of plate glass slides inscribed on side of lid 'Mr Hodgkin 1950'	1950

Non-textual material

J.98	Card box of plate glass slides inscribed on side of lid 'Mr Hodgkin Jan 1951' and 'Review 1951'	1951
J.99	Larger format card box of plate glass slides inscribed on lid 'Mr Hodgkin Feb 1951'	1951
J.100	Card box of plate glass slides inscribed on side of lid '1951 Mobility'	1951
J.101-J.103	Slides from Physiological Laboratory Cambridge Numbered slides (5cm sq), mostly in sets of sequences, identified as from the Physiological Laboratory Cambridge. 3 boxes.	Nd
J.104	Miscellaneous slides. 5cm sq. Unidentified. 1 box.	Nd
J.105-J.118	PHOTOGRAPHIC PRINTS Photographic prints, mostly found in inscribed envelopes.	1971-1972, nd
J.105	'20 Sept '71 Biomac H-cell Feed back'	1971
J.106	'30 Oct '71 H-bipolar Noise [down arrow] Surround antagonism'	1971
J.107	'12 Jan '72 Current'	1972

Non-textual material

J.108	'15 Mar '72 Rod'	1972
J.109	'Mr Starling 18 March' Includes Hodgkin's requests for prints.	1972
J.110	'30 Mar '72 Isolated Red Cone'	1972
J.111	'25 April '72 Green Cone V-Log I's'	1972
J.112	'Prints of Kinetic Univariance ø 29 April 1972'	1972
J.113	'13 May 72 Gang cell prints (also cone)'	1972
J.114	'15 May '72 Biomac prints'	1972
J.115	'25 May 1972 Biomac Rod'	1972
J.116	26 Aug Depol'ing BIP'	Nd
J.117	'27 Aug Hyper pol'ing BIP'	Nd
J.118	Miscellaneous requests for prints from Mr Starling and figures on tracing paper.	Nd

Non-textual material

J.119-J.121

OUTSIZE MATERIAL

**Various
dates**

Contents of artists' portfolios, chiefly mounted figures for illustrations for published articles.

Retained as also includes significant manuscript and photographic material.

Little of the material is dated.

J.119

Dark green portfolio

Includes figures and photographs for publications; photographs and painting of squid; photographs of Hodgkin; copy of letter to R. Henderson returning illustrative material, February 1982.

J.120

Blue portfolio

Includes figures and photographs for publications.

J.121

Brown portfolio inscribed on cover 'RETINA [...]'

Includes figures and photographs for publications; data 1976.

INDEX OF CORRESPONDENTS

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ADELMAN Jr, William J.	B.189, H.95
ADRIAN, Edgar Douglas, 1st Baron Adrian of Cambridge	A.188, B.1, G.3, H.11, H.17, H.28, H.37, H.52, H.153 See also H.25, H.29, H.30
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