

SECTION D

PUBLICATIONS, LECTURES AND BROADCASTS

D.1-D.200

D.1-D.125 PUBLICATIONS

D.1-D.105 Drafts

D.106, D.107 Reprints

D.108, D.109 Lists of publications

D.110-D.125 Editorial correspondence

D.126-D.194 LECTURES

D.126-D.167 Drafts

D.168-D.194 Invitations to lecture

D.195-D.198 BROADCASTS

D.199, D.200 ADDENDUM

Publications material received too late to present in main
chronological sequence at D.1-D.105.

Publications, lectures and broadcasts

PUBLICATIONS

Drafts

A chronological sequence of material relating to publications, or to the intention to publish. Where applicable reference has been made to the bibliography compiled for the catalogue and reproduced on pp.298-312. References take the form *Bibliog.* ...

- D.1 'The structure of some hydrocarbons related to the sterols' (with J.D. Bernal), *Bibliog.* 10, 1935.
1p. typescript only; 2 photographs.
- D.2 'X-ray single crystal photographs of insulin', *Bibliog.* 11, 1935.
7pp. typescript, with manuscript additions and corrections by Hodgkin and marginal comments by J.D. Bernal.
- D.3-D.5 'The interpretation of Weissenberg Photographs in relation to crystal symmetry', *Bibliog.* 12, 1935.
Manuscript and typescript drafts; manuscript notes. 3 folders.
- D.6 'A note on the x-ray crystallography of the toad poisons, bufagin and cinobufagin, and of strophanthidin', *Bibliog.* 13, 1935.
7pp. and 6pp. typescript drafts with manuscript additions and corrections by Hodgkin.
- D.7 'Summary of x-ray work on crystals in organic compounds'.
Not a publication but refers to work which formed the basis of D.2 and D.6 and was found with them.
4pp. typescript.
- D.8 'X-ray crystallography and the chemistry of the sterols', *Bibliog.* 15, 1936.
2pp. typescript, 'Summary' (of Hodgkin's Ph.D. thesis). Unpublished but listed by Hodgkin with her published papers.

Publications, lectures and broadcasts

- D.9 'The crystal structure of insulin : I The investigation of air-dried insulin crystals', *Bibliog.* 23, 1938.
14pp. typescript, incomplete, with manuscript additions and corrections by Hodgkin.
- D.10 'The molecular weight of fichtelite', *Bibliog.* 27, 1938
4pp. typescript with manuscript additions by Hodgkin.
- D.11-D.14 'The crystal structure of creatine monohydrate' (with H. Mendel), *Bibliog.* 58, 1954.
- D.11 Manuscript and typescript drafts, with manuscript additions and corrections by Hodgkin.
- D.12, D.13 Notes, diagrams, tables. 2 folders.
- D.14 Brief correspondence.
- D.15 'A crystallographic examination of the structure of morphine' (with M. Mackay), *Bibliog.* 63, 1955.
15pp. typescript, with manuscript additions and corrections by Hodgkin.
- D.16 'The structure of Vitamin B12. Part I. An outline of the crystallographic investigation of Vitamin B12' (in collaboration), *Bibliog.* 70, 1957.
43pp. typescript, with manuscript additions and corrections by Hodgkin.
- D.17-D.21 'The structure of Vitamin B12. Part II. The crystal structure of a hexacarboxylic acid obtained by the degradation of Vitamin B12' (in collaboration), *Bibliog.* 71, 1959.
- D.17 Typescript drafts, incomplete, with manuscript additions and corrections by Hodgkin.
- D.18 Manuscript notes and drafts, incomplete.
- D.19 Data.

Publications, lectures and broadcasts

- D.20 Figures.
- D.21 Brief correspondence.
- D.22 'J.D. Bernal', *Bibliog.* 79, 1961.

6pp. typescript; letter.
- D.23 'The structure of Vitamin B12. Part IV. The x-ray analysis of air-dried crystals of Vitamin B12' (in collaboration), *Bibliog.* 81, 1962.

39pp typescript, with manuscript additions and corrections by Hodgkin.

2pp. notes.

Brief correspondence *re* parts III, IV and V of this series of papers on the structure of vitamin B12.
- D.24 'The crystal structure of phenoxymethyl-penicillin' (with S. Abrahamsson and E.N. Maslen), *Bibliog.* 83, 1963.

3pp. and 4pp. typescripts, incomplete. Manuscript additions by Hodgkin.
- D.25 'The relative position of independent molecules within the same asymmetric unit', *Acta crystallogr.*, 17, 1964. Not listed in *Bibliog.*

15pp. typescript by Hodgkin, M.M. Harding, E. Coller, M.G. Rossman and D.M. Blow. Hodgkin does not appear as an author of the published paper.
- D.26 'Die Röntgen - Strukturanalyse einiger biochemisch interessanter Moleküle', *Bibliog.* 93, 1965.

14pp. typescript.
- D.27-D.31 'The structure of the corrin nucleus from x-ray analysis', *Bibliog.* 94, 1965.
- D.27 12pp. and 11pp. typescripts, with manuscript additions and corrections by Hodgkin,

3pp. typescript of 'Postscript'.

1p. manuscript draft.

Publications, lectures and broadcasts

- D.28 Manuscript notes; data.
- D.29, D.30 Figures. 2 folders.
- D.31 Brief correspondence.
- D.32 'Vitamin B12', *Bibliog.* 95, 1965.
17pp. manuscript draft; 14pp. typescript.
- D.33 'The crystal structure of insulin II. An investigation of rhombohedral zinc insulins and a report of other crystalline forms' (in collaboration). *Bibliog.* 97, 1966.
27pp. typescript, with manuscript additions and corrections by Hodgkin.
- D.34, D.35 'The crystal structure of insulin III. Evidence for a 2-fold axis in rhombohedral zinc insulin' (in collaboration), *Bibliog.* 98, 1966.
- D.34 21pp. typescript, dated 1963.
- D.35 7pp. manuscript draft of section entitled, 'The translation function', dated '10.1.63', not by Hodgkin.
'Comments and suggestions on insulin III', dated '4.8.64', not by Hodgkin.
4pp. typescript of section on the translation function, headed 'Withdrawn', with marginal comments.
- D.36 'A report on recent calculations on rhombohedral insulin crystals containing lead' (in collaboration), *Bibliog.* 100, 1967.
8pp. typescript, with manuscript additions and corrections by Hodgkin.
- D.37 'Crystalline modifications of ampicillin I. The trihydrate' (with D. Hall and M.N.G. James), *Bibliog.* 109, 1969.
11pp. typescript.
- D.38 'The crystal structure of insulin', *Bibliog.* 115, 1970.
9pp. typescript, with additions and corrections by Hodgkin; figures.

Publications, lectures and broadcasts

- D.39 'The crystal structure of insulin. IV. X-ray analysis of 2 zinc insulin crystals at 2.8Å resolution', 1970. Not listed in *Bibliog.*
- 24pp. typescript, with note attached: 'This is an old (1970) account of the 2.8Å x-ray analysis of 2Zn insulin. This could perhaps be used as the basis for a paper.'
- D.40 'Atomic positions in rhombohedral 2-zinc insulin crystals' (in collaboration), *Bibliog.* 120, 1971.
- 2pp. typescript of summary entitled 'The crystal structure of insulin'.
- D.41 Obituary of 'Professor J.D. Bernal', *Bibliog.* 121, 1971.
- 6pp. typescript, incomplete, with manuscript additions and corrections by Hodgkin.
- 8pp. manuscript draft.
- Newspaper cutting of obituary.
- Brief correspondence.
- D.42 'Some characteristics of protein crystals', *Bibliog.* 127, 1971.
- 14pp. typescript, with manuscript additions and corrections by Hodgkin.
- See also F.46-F.48.
- D.43 'The crystal structure of rhombohedral 2-zinc insulin' (in collaboration), *Bibliog.* 128, 1971.
- 2pp. typescript; 9pp. data.
- The paper was given at a symposium by J.F. Cutfield. See also F.60-F.62.
- D.44 'The structure of a protein hormone, insulin', *Contemp. Phys.*, 1971. Not listed in *Bibliog.*
- 24pp. typescript by Hodgkin, T.L. Blundell, E. Dodson, G.G. Dodson and M. Vijayan. Hodgkin does not appear as an author of the published paper.
- D.45 'The structure of large molecules', *Bibliog.* 135, 1972.
- 8pp. typescript.

Publications, lectures and broadcasts

- D.46 'The three dimensional atomic structure of insulin and its relationship to activity' (in collaboration), *Bibliog.* 136, 1972.
25pp. typescript.
- D.47 Not used.
- D.48 'Chemical and biochemical studies of the tyrosine residues', latest bibliographical reference 1972. Not listed in *Bibliog.*
10pp. typescript.
- D.49 'Chemical and biochemical studies on the cystine disulphide groups', latest bibliographical reference 1972. Not listed in *Bibliog.*
5pp. typescript, incomplete.
- D.50 'The three-dimensional structure of insulin and its reflection in the processes of the β cell', latest bibliographical reference 1972. Not listed in *Bibliog.*
13pp. typescript.
- D.51 'The structure of feroverdin I. Monoclinic feroverdin crystals' (with Sofia Candeloro de Sanctis), *Bibliog.* 142, 1973.
16pp. proof.
- D.52 'The structure of feroverdin II. Rhombohedral feroverdin crystals' (in collaboration), *Bibliog.* 143, 1973.
12pp. proof.
- D.53, D.54 'Crystal and molecular structure of 8,12-diethyl-2,3,7,13,17,18-hexamethylcorrole hydrobromide' (with B. Anderson and T.J. Bartczak), *Bibliog.* 147, 1974.
10pp. typescript; figures; data.
- D.54 Brief correspondence, includes referee's report.

Publications, lectures and broadcasts

- D.55 'The crystal and molecular structure of rac-15-cyano-1,2,2,7,7,12,12-heptamethyl corrin hydrochloride' (with E.D. Edmond), *Bibliog.* 149, 1975.
14pp. proof.
Brief correspondence.
- D.56 'Work in China on the structure and function of insulin', *Bibliog.* 150, 1975.
3pp. typescript.
Brief correspondence.
- D.57-D.73 'Kathleen Lonsdale 1903-1971', *Bibliog.* 151, 1975.
Hodgkin was invited by the Royal Society to write the memoir of the x-ray crystallographer, Dame Kathleen Lonsdale, on her death in 1971.
- D.57, D.58 Typescript drafts, some incomplete, with manuscript additions and corrections by Hodgkin; reprint of memoir. 2 folders.
- D.59 Manuscript notes; photographs.
- D.60 Notebook.
- D.60A Exercise book.
- D.61-D.67 Correspondence.
Includes invitation from Royal Society to write memoir, extensive correspondence with Thomas Lonsdale, widower, requests for information and comments on drafts.
- D.61 April-June 1971.
- D.62 July-December 1971.
- D.63 1972-73.
- D.64 1974.

Publications, lectures and broadcasts

- D.65 January-June 1975.
- D.66 July-December 1975.
- D.67 Requests for reprints of memoir.
- D.68 Obituaries, biographical articles about Lonsdale.
- D.69-D.73 Lonsdale's own material.
- D.69, D.70 Miscellaneous notes, drafts, articles and photographs. 2 folders.
- D.71 Autobiographical notes.
- D.72, D.73 Correspondence (photocopies).
- D.72 1927-31, 1942-43.
The wartime correspondence includes letters written while Lonsdale was in prison for refusing to register for civil defence duties.
- D.73 1949-52, 1959, 1968.
- D.74 'The structure of insulin in 4-zinc insulin' (in collaboration), *Bibliog.* 152, 1976.
14pp. typescript; 4pp. typescript; letter.
- D.75 'Growing points and sticking points in x-ray analysis', 1977. Not listed in *Bibliog.*
11pp. typescript.
Correspondence.
- D.76 'The molecular basis of insulin action', *Bibliog.* 155, 1977.
11pp. typescript.
Correspondence.

Publications, lectures and broadcasts

- D.77, D.78 'Crystallographic measurements and the structure of protein molecules as they are', *Bibliog.* 156, 1979.
- D.77 31pp. typescript; 15pp. typescript with manuscript additions and corrections by Hodgkin; 5pp. manuscript draft.
Brief correspondence.
- D.78 Manuscript notes.
- D.79 'Sir Ernst Chain 1906-1979', *Bibliog.* 159, 1980.
3pp. typescript of obituary; 5pp. manuscript draft; letter.
- D.80-D.102 'John Desmond Bernal 1901-1971', *Bibliog.* 160, 1980.
Hodgkin was invited by the Royal Society to write the memoir of the x-ray crystallographer, J.D. Bernal, on his death in 1971.
- D.80 Manuscript and typescript drafts, many pages missing; figures.
Reprint of memoir.
- D.81-D.84 Hodgkin's notes and background material.
- D.81 Manuscript notes.
- D.82 Extracts from Bernal's diaries and notebooks.
- D.83 Photographs.
- D.84 'Eulogies to the Memory of Abraham Nunez Bernal', translated by V.V. Behar and sent to Bernal in 1940. This publication commemorates a Jewish martyr whose brother fled Spain in the seventeenth century to come to England, the first record of the name 'Bernal' in the British Isles.
- D.85-D.90 Correspondence.
Includes invitation from Royal Society to write memoir, requests for information and comments on drafts.

Publications, lectures and broadcasts

D.85	1971-73.	
D.86	1974-75.	
D.87	1976-79.	
D.88	1980-81, nd.	
D.89	Correspondence with Eileen Bernal, widow, 1971-81. Includes recollections by Bernal's former colleagues, sent to Hodgkin by Eileen Bernal. Photographs.	
D.90	Miscellaneous other correspondence, 1966-89.	
D.91-D.102	Bernal's own material.	
D.91	Autobiographical.	
D.92	Bibliographical.	
D.93, D.94	Miscellaneous typescripts, transcripts and articles. 2 folders.	
D.95-D.102	Correspondence (photocopies).	
D.95	W.T. Astbury	1930-37
D.96	K. Boll-Dornberger	1961, 1962
D.97	W.L. Bragg	1930, 1934-40, 1942, 1965, 1967
D.98	I. Fankuchen	nd
D.99	A. Hutchinson	1923, 1927, 1937
D.100	M.F. Perutz	1937

Publications, lectures and broadcasts

- D.101 O. Rosenheim 1932, 1933
- D.102 Miscellaneous correspondence 1927-39, 1960-70
- D.103 'H NMR study of the peptide antibiotic thiostrepton' (in collaboration), latest bibliographical reference 1981. Not listed in *Bibliog.*

29pp typescript.

Figures.
- D.104 'X-ray and neutron diffraction studies of the crystal and molecular structure of the predominant monocarboxylic acid obtained by the mild acid hydrolysis of cyanocobalamin', *Bibliog.* 168, 1984.

13pp. typescript, entitled 'A neutron diffraction analysis of the predominant monocarboxylic acid obtained by the mild acid hydrolysis of cyanobalamin', with manuscript additions and corrections by Hodgkin.
- D.105 'Röntgenoskopie und Elektronoskopie von dispersen Systemen, Faden, Filmen und Grenzschichten'.

2pp. typescript (in English) of review of article in German by W. Ostwald, [1930s].

'The calculation of 3-dimensional structure factors and electron density for hexagonal and trigonal space groups', nd. Not listed in *Bibliog.*

9pp. typescript.

Reprints

Incomplete set of Hodgkin's reprints. Arranged chronologically.

D.106 1932-66.

D.107 1967-88.

Publications, lectures and broadcasts

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|-------------|--|---------------------------|
| D.116 | <i>Nature</i> | 1956-57, 1964, 1966, 1971 |
| | Correspondence <i>re</i> letters on vitamin B12, 1956-57. | |
| | Correspondence <i>re</i> writing obituaries, 1964, 1971. | |
| | Correspondence <i>re</i> permission to reproduce figures, 1966. | |
| D.117 | The Royal Society | 1971, 1977 |
| | Letter <i>re</i> publication, 1971. | |
| | Correspondence <i>re</i> submission of paper to the Royal Society by Hodgkin on behalf of D. Rogers, 1977. | |
| D.118 | Not used. | |
| D.119-D.125 | Miscellaneous shorter correspondence 1934-91. | |
| | Invitations to write, requests for advice. | |
| D.119 | 1934, 1937. | |
| D.120 | 1944-49. | |
| D.121 | 1951, 1956-59. | |
| D.122 | 1960-61, 1964-67. | |
| D.123 | 1970-74. | |
| D.124 | 1976-78. | |
| D.125 | 1980-81, 1983-91. | |

Publications, lectures and broadcasts

LECTURES

For Hodgkin's lectures on non-scientific topics, see G.158, G.160, G.167-G.171. For her Nobel Prize lecture, see A.77-A.79.

Drafts

- D.126 'Molecules in crystals', [Royal Society] Tercentenary Lecture, Beveridge Hall, University of London, 23 July 1960. *Bibliog.* 75.
17pp. typescript; 27pp. manuscript draft; newspaper cutting *re* lecture.
Founders' Memorial Lecture, Girton College, Cambridge, 1962.
2pp. manuscript draft.
Letter *re* arrangements.
Lecture on x-ray techniques and the structure of large molecules, 1965.
9pp. typescript, with manuscript additions and corrections by Hodgkin.
- D.127 'X-rays and organic chemistry', Humphry Davy Lecture, Royal Institute of Chemistry, 22 November 1968.
Correspondence *re* arrangements.
16pp. typescript, incomplete.
Correspondence *re* publication of lecture.
- D.128-D.133 'Botany and crystallography', The Chemical Society Hugo Müller Lecture, Swansea, 3 February 1969; London, 13 February 1969; Canterbury, 12 March 1969; Reading, 17 March 1969.
- D.128 16pp. typescript.
Manuscript notes.
- D.129 Correspondence with The Chemical Society *re* arrangements.
Brief correspondence *re* possible publication of lecture.
- D.130 Correspondence *re* arrangements for Swansea lecture.
Brief correspondence arising.

Publications, lectures and broadcasts

- D.131 Correspondence *re* arrangements for London lecture.
Brief correspondence arising.
- D.132 Correspondence *re* arrangements for Canterbury lecture.
Brief correspondence arising.
- D.133 Correspondence *re* arrangements for Reading lecture.
Brief correspondence arising.
- D.134 'Birkbeck, Science and History', The First Bernal Lecture, Birkbeck College, London, 23 October 1969. *Bibliog.* 112.
Brief correspondence *re* arrangements.
Reprint; 'Introductory remarks by Lord Blackett'.
Brief correspondence arising.
- D.135 'X-ray analysis and the structure of insulin', 1971.
9pp. typescript.
- D.136-D.139 'Insulin : chemistry and biochemistry', The Bakerian Lecture of the Royal Society, London, 15 June 1972. *Bibliog.* 144.
- D.136 25pp. typescript; 21pp. typescript, with manuscript additions and corrections by Hodgkin.
Summary of lecture.
- D.137 26pp. manuscript draft; 6pp. manuscript draft.
- D.138 Manuscript notes.
- D.139 Correspondence *re* arrangements.
Brief correspondence arising.

Publications, lectures and broadcasts

- D.140, D.141 'Cecil Frank Powell', Bristol, 1972.
- D.140 15pp. typescript; 13pp. manuscript draft; manuscript notes.
Brief correspondence *re* arrangements.
Photograph of Powell sent to Hodgkin by Isobel Powell, widow.
- D.141 Miscellaneous background material.
- D.142 John Snow Memorial Lecture, Association of Anaesthetists, Bristol, 28 September 1973.
2pp. manuscript draft; manuscript notes.
Menu, with list of past lecturers.
Correspondence *re* arrangements.
Brief correspondence arising.
- D.143, D.144 'Varieties of insulin', The Sir Henry Dale Lecture, Society for Endocrinology, London, 30 May 1974. *Bibliog.* 146.
Hodgkin also received the Dale Medal for 1974 on the same occasion.
- D.143 17pp. typescript; 2pp. proof of biographical sketch of Hodgkin.
- D.144 Correspondence *re* arrangements.
Correspondence arising, *re* publication of lecture.
- D.145 'What should we learn : problems and experiences', Bristol Education Department, 30 October 1974.
11pp. typescript, with manuscript additions and corrections by Hodgkin.
- D.146 'The structure of insulin and its biological activity', The Banting Memorial Lecture, British Diabetic Association, Guildford, September 1976.
3pp. typescript; 5pp. manuscript draft.
Correspondence *re* arrangements.
Correspondence arising, includes correspondence *re* publication of lecture.

Publications, lectures and broadcasts

- D.147 'Insulin molecules - answers and questions', Gold Medal Lecture, Royal Society of Medicine, 15 February 1977.
13pp. typescript; 3pp. manuscript draft.
Correspondence arising *re* publication of lecture.
See also A.132.
- D.148, D.149 'Discoveries and their uses', Presidential Address, British Association for the Advancement of Science Annual Meeting, Bath, 4 September 1978.
- D.148 14pp. typescript; 20pp. typescript, with manuscript additions and corrections by Hodgkin.
Manuscript notes; background material.
- D.149 Correspondence arising.
See also E.54-E.56.
- D.150-D.153 'Crystallography and chemistry in the first hundred years of Somerville College', James Bryce Memorial Lecture, Somerville College, Oxford, 2 March 1979.
- D.150 15pp. typescript; 22pp. manuscript draft.
- D.151 Manuscript notes.
- D.152 Correspondence *re* arrangements.
Brief correspondence arising.
- D.153 Miscellaneous background material.
- D.154, D.155 'Microcosm : the world as seen by John Desmond Bernal', J.D. Bernal Memorial Lecture, Royal Irish Academy, Dublin, 28 October 1980.
- D.154 17pp. typescript, with manuscript additions and corrections by Hodgkin; 1p. abstract.
References; figures; photographs.

Publications, lectures and broadcasts

- D.155 Correspondence *re* arrangements.
Correspondence arising, includes transcript of interview with Radio Eireann *re* Bernal.
- D.156-D.158 'Moments of discovery', The Dalton Lecture, Manchester Literary and Philosophical Society, February 1981. *Bibliog.* 163.
- D.156 16pp typescript; 13pp. typescript, with manuscript additions and corrections by Hodgkin.
- D.157 16pp. manuscript draft; manuscript notes.
- D.158 Correspondence *re* arrangements.
Brief correspondence arising.
- D.159 'Insulin in crystals', Ottawa, 17 August 1981.
8pp. typescript; 7pp. manuscript draft.
- D.160 Speech at Women of the Year Luncheon, London, 17 October 1983.
3pp. manuscript draft.
Letter *re* arrangements; programme, list of guests.
Letter arising.
- D.161, D.162 'Marie Curie', Service of Commemoration to mark the 50th Anniversary of the death of Marie Curie, Westminster Abbey, 3 July 1984.
- D.161 Typescript and manuscript drafts.
- D.162 Correspondence *re* arrangements.
Correspondence arising; souvenir brochure; photographs.

Publications, lectures and broadcasts

- D.163 'New frontiers in biomolecular research', Inauguration of the Krebs Institute for Biomolecular Research, Sheffield, 21 April 1989.
3pp. typescript.
Correspondence *re* arrangements, includes programme.
Brief correspondence arising.
- D.164 'Crystallographic investigation of complex organic compounds', nd.
10pp. manuscript draft, heavily amended by Hodgkin.
'Insulin, its structure and biological activity', nd.
7pp. typescript.
- D.165 Miscellaneous untitled drafts.
- D.166, D.167 Miscellaneous unidentified lecture notes. 2 folders.

Invitations to lecture

- D.168 1942, 1948, 1950, 1956-57.
- D.169 1961-64.
- D.170 1965 January-August.
- D.171 1965 October-December.
- D.172 1966 January-June.
- D.173 1966 July-December.
- D.174 1967 January-June.
- D.175 1967 July-December.
- D.176 1968 January-June.

Publications, lectures and broadcasts

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|-------|--------------------------|
| D.177 | 1968 July-December. |
| D.178 | 1969 January-April. |
| D.179 | 1969 June-November. |
| D.180 | 1970 January-June |
| D.181 | 1970 July-December. |
| D.182 | 1971. |
| D.183 | 1972 January-July. |
| D.184 | 1972 August-November. |
| D.185 | 1973. |
| D.186 | 1974. |
| D.187 | 1975. |
| D.188 | 1976 January-May. |
| D.189 | 1976 September-December. |
| D.190 | 1977. |
| D.191 | 1978. |
| D.192 | 1979. |
| D.193 | 1980, 1982-85. |
| D.194 | 1987-88, 1990. |

Publications, lectures and broadcasts

BROADCASTS

- D.195 'Schools Broadcast'.
Manuscript draft, nd.
- D.196-D.198 Correspondence
Most correspondence is with the BBC, chiefly about radio interviews. There is also some material relating to ITV, overseas television companies and independent film companies.
- D.196, D.197 Correspondence with BBC.
- D.196 1959-60, 1965-69.
- D.197 1971-74, 1977-78, 1984-86, 1988, nd.
- D.198 Correspondence with other companies, 1948, 1969, 1971, 1975-77, 1984, 1988-90.

ADDENDUM

Publications material received too late to present in main chronological sequence at D.1-D.105

- D.199 'Memories of Sir Lawrence Bragg', *Bibliog.* 172, 1991.
4pp. manuscript draft, not all in Hodgkin's hand; 4pp. typescript.
4pp. typescript by J.D. Dunitz on 'Encounters with Bragg'.
Correspondence; review.
- D.200 'Angles on crystal faces. Appreciation: 'Tiny' Powell', *Bibliog.* 173, 1991.
Photocopy of newspaper cutting.
Two typescript drafts, with manuscript additions and corrections.

SECTION E SOCIETIES AND ORGANISATIONS E.1-E.193

- E.1 AMERICAN SOCIETY FOR X-RAY AND ELECTRON
DIFFRACTION
- E.2-E.4 BIRMINGHAM UNIVERSITY REVIEW BODY
- E.5-E.46 BRISTOL UNIVERSITY
- E.47-E.57 BRITISH ASSOCIATION FOR THE ADVANCEMENT OF
SCIENCE
- E.58, E.59 BRITISH CRYSTALLOGRAPHIC ASSOCIATION
- E.60, E.61 BRITISH SOCIETY FOR SOCIAL RESPONSIBILITY IN
SCIENCE
- E.62 CANADIAN BIOCHEMICAL SOCIETY
- E.63-E.67 CHEMICAL SOCIETY
- E.68 COUNCIL FOR SCIENCE AND SOCIETY
- E.69 DEPARTMENT OF EDUCATION AND SCIENCE
- E.70 INDIAN ACADEMY OF SCIENCES
- E.71-E.99 INSTITUTE OF PHYSICS
- E.100-E.176 INTERNATIONAL UNION OF CRYSTALLOGRAPHY
- E.177 ROYAL INSTITUTION
- E.178 ROYAL IRISH ACADEMY
- E.179-E.193 ROYAL SOCIETY

Societies and organisations

AMERICAN SOCIETY FOR X-RAY AND ELECTRON DIFFRACTION 1944-49

E.1 Circulars *re* meetings, 1944, 1947, 1949.

BIRMINGHAM UNIVERSITY REVIEW BODY 1972-73

The Review Body, to which Hodgkin was appointed, was established 'to consider the role, constitution and functioning of the University of Birmingham and to make recommendations to Council for any desirable change' (E.4). The Review Body reported in September 1972.

E.2 Brief correspondence, November 1972 - February 1973.

'Presentation of the Report of the Review Body by its Chairman the Rt. Hon. Jo Grimond, M.P.'

E.3 Manuscript notes by Hodgkin.

E.4 Background material. 1 box.

BRISTOL UNIVERSITY 1970-89

Hodgkin was elected Chancellor of Bristol University in 1970 and played an active role both within the University and in the city of Bristol. She retired in 1988.

For material *re* her appointment and retirement see A.113-A.116, A.154.

The material is presented as follows:

- E.5-E.19 General papers and correspondence
- E.20-E.26 Correspondence with the Vice-Chancellor
- E.27-E.31 Drafts of speeches at degree congregations
- E.32-E.39 Department of Architecture
- E.40-E.44 Appeals
- E.45, E.46 Miscellaneous

Societies and organisations

General papers and correspondence

1971-89

- | | |
|------|---------------------|
| E.5 | 1971. |
| E.6 | 1972. |
| E.7 | 1973. |
| E.8 | 1974. |
| E.9 | 1975. |
| E.10 | 1976. |
| E.11 | 1977-81. |
| E.12 | 1982. |
| E.13 | 1983. |
| E.14 | 1984-85. |
| E.15 | 1986. |
| E.16 | 1987. |
| E.17 | 1988 January-June. |
| E.18 | 1988 July-December. |
| E.19 | 1989, nd. |

Societies and organisations

Correspondence with the Vice-Chancellor 1970-90

Sir Alec Merrison was Vice-Chancellor when Hodgkin became Chancellor; he was succeeded by Sir John Kingman in 1984.

E.20 1970-72.

E.21 1973-75.

E.22 1976-78.

E.23 1983-84.

E.24 1985-86.

E.25 1987.

E.26 1988-90.

Drafts of speeches at degree congregations 1971-87

E.27, E.28 Manuscript and typescript drafts 1971-1987.

E.27 1971, 1981-82.

E.28 1983-85, 1987. Includes photograph of Hodgkin conferring honorary degree on unidentified recipient.

E.29, E.30 Manuscript drafts, nd. 2 folders.

E.31 Miscellaneous shorter manuscript notes and drafts, nd.

Societies and organisations

Department of Architecture

1981-85

In 1981 cuts in university expenditure threatened with closure the Department of Architecture. Despite Hodgkin's support for the Department's efforts to remain open, it closed in 1984.

The general papers and correspondence also include some material *re* the establishment of the Bristol Centre for the Advancement of Architecture. The Centre, of which Hodgkin was a patron, was set up independently in the city as a response to the closure of the university department.

- E.32-E.38 General papers and correspondence 1981-85.
- E.32 1981-1982 April.
- E.33 1982 July-October.
- E.34 1982 November.
- E.35 1982 December.
- E.36 1983.
- E.37 1984-85.
- E.38 nd.
- E.39 Manuscript notes by Hodgkin *re* Department of Architecture.

Appeals

1979-88

Papers and correspondence *re* appeals by individuals to Hodgkin as Chancellor.

- E.40 1979-1980 April.
- E.41 1980 May-December, 1984.
- E.42-E.44 1988. 3 folders.

Societies and organisations

Miscellaneous

1971-72, 1982-83, 1987

E.45 Correspondence *re* the Salvation Army, 1971-72.

Hodgkin was Vice-President of the Bristol Salvation Army Men's Social Services Appeals Committee.

E.46 International Centre for Child Studies, 1982-83, 1987.

The Centre was established in 1982 in conjunction with Bristol University.. Hodgkin was a Patron.

Brief correspondence.

Newspaper articles *re* Centre.

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

1977-79

Hodgkin was President of the British Association for the Advancement of Science for the year 1977-78 and presided at the Annual Meeting held in Bath in September 1978.

For material *re* her appointment see A.134.

E.47-E.50 General papers and correspondence 1977-79, 1988.

E.47 1977 January-July.

E.48 1977 September-December.

E.49 1978 January-June.

E.50 1978 July - 1979, 1988, nd.

E.51-E.53 Miscellaneous Committee papers 1977-79.

E.51, E.52 Minutes 1977-78.

This incomplete sequence includes minutes of the General Committee, Policy Committee, Finance and Staff Committee and Council.

Societies and organisations

- E.51 1977.
- E.52 1978.
- E.53 Membership lists of General Committee 1977-79.
- E.54-E.56 British Association Annual Meeting, Bath, 4-8 September 1978.
- E.54 Correspondence *re* arrangements.
Correspondence arising.
Memorabilia; photographs.
- E.55 Final programme; addendum to final programme.
'Outline of President's and Officers' Engagements'.
- E.56 Committee papers.
- E.57 Miscellaneous papers *re* general policy.

BRITISH CRYSTALLOGRAPHIC ASSOCIATION (BCA)

1980-91

The British Crystallographic Association was established in 1982. Hodgkin was invited to become Vice-President at its foundation and served on the Council of the BCA from 1982.

- E.58, E.59 Miscellaneous papers and correspondence 1980-91. Include minutes of meetings held to discuss the formation of the BCA.
- E.58 1980-81.
- E.59 1982, 1984, 1989-91, nd. Includes manuscript notes *re* penicillin research for BCA meeting.

Societies and organisations

BRITISH SOCIETY FOR SOCIAL RESPONSIBILITY IN SCIENCE

1968-73

The Society was founded in 1969 in the belief that the development of science 'should depend upon the social choices of the community and the personal choices of the scientist' (E.60).

E.60, E.61 Miscellaneous papers and correspondence 1968-73.

E.60 1968-69, 1971.

E.61 1972-73, nd.

CANADIAN BIOCHEMICAL SOCIETY

1988

E.62 Results of Survey of Women Faculty by the Society's Equal Opportunities Committee 1977-88.

CHEMICAL SOCIETY

1947-91

Hodgkin became a Fellow of the Chemical Society in 1931, becoming a Life Fellow in 1971. In 1972 the Chemical Society amalgamated with the Royal Institute of Chemistry, later becoming the Royal Society of Chemistry.

Hodgkin was Vice-President of the Chemical Society 1969-72.

E.63-E.67 General papers and correspondence 1947-91.

E.63 1947, 1966-67. Includes correspondence *re* possible participation of Chinese scientists in Chemical Society Symposium, 1967.

E.64 1968-70.

E.65 1971-72.

E.66 1973-74.

Societies and organisations

- E.67 1977-78, 1982, 1991. Includes Newsletter for women members of the Royal Society of Chemistry *re* The Dorothy Hodgkin Symposium on 'Crystallography', 9 April 1991.

COUNCIL FOR SCIENCE AND SOCIETY

1973-75

The Council for Science and Society was established in 1973 with the aim of promoting 'the study of, and research into, the social effects of scientific and technological development, and to disseminate the results to the public'. Hodgkin served on the Council 1973-75.

- E.68 General papers and correspondence 1973-75.

Includes reprint of article in *Nature* on 'A Corporate Conscience for the Scientific Community?' and a list of Council members.

DEPARTMENT OF EDUCATION AND SCIENCE

1982-83

- E.69 Papers and correspondence *re* funding for higher education, level of financial support for students and limitations on student numbers in universities, 1982-83. Includes correspondence with Margaret Thatcher, Prime Minister, and Sir Keith Joseph, Secretary of State for Education.

Manuscript and typescript notes; newspaper cutting.

INDIAN ACADEMY OF SCIENCES

1983-85

Hodgkin was made a Foreign Member of the Academy in 1972.

- E.70 Brief correspondence 1983-84, 1988; list of members of Council.
Newsletters 1984-85.

Societies and organisations

INSTITUTE OF PHYSICS

1941-80

Hodgkin was a member of the Institute of Physics for many years, and was particularly associated with the work of the Institute's X-ray Analysis Group.

The material is presented as follows:

E.71, E.72 General papers and correspondence

E.73-E.98 X-ray Analysis Group

E.99 Crystallography Group

General papers and correspondence

1941-73

E.71 1941, 1943-46, 1949, 1952.

E.72 1969, 1971, 1973. Includes brief correspondence *re* publication.

X-ray Analysis Group

1943-69

The X-ray Analysis Group was established in 1943 to 'provide a meeting ground for those interested in the theory and practical applications of X-ray diffraction' (E.73). Hodgkin was elected to the committee in 1944; she also sat on the Fourier Service Panel, which discussed methods of crystallographic calculations.

Conferences were held regularly by the Group, and material relating to them is to be found in the chronological sequence of papers and correspondence below.

E.73-E.88 General papers and correspondence 1943-69.

E.73 1943-44.

E.74 1945 January-August.

E.75 1945 October-December. Includes minutes of the first meeting of the Barker Committee which met to discuss the publication of the Barker Index, reference tables which would facilitate the identification of the surface of a crystal in conjunction with measurement and geometrical analysis.

Societies and organisations

- E.76 1946 January-May.
- E.77 1946 June-July. Includes extensive correspondence *re* conference on 'X-ray analysis during the war years'.
- E.78 1946 August-December.
- E.79 1947.
- E.80 1948 January-March.
- E.81 1948 April-November. Includes correspondence *re* crystallographic nomenclature, report on the collection of crystallographic data.
- E.82 1949.
- E.83 1950 March-July. Includes list of members of the X-ray Analysis Group.
- E.84 1950 September-November.
- E.85 1951.
- E.86 1952. Includes Institute of Physics Bulletin on the celebration of the fortieth anniversary of the discovery of x-ray diffraction.
- E.87 1953. Includes material *re* International Tables for Crystal Structure Determination.
- E.88 1966-67, 1969.
- E.89-E.97 Committee papers 1943-53.
- E.89 1943-44. Includes minutes of the first meeting of the Committee of the X-ray Analysis Group (which Hodgkin did not attend).
- E.90 1945.

Societies and organisations

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|------|---|
| E.91 | 1946. |
| E.92 | 1947. |
| E.93 | 1948. |
| E.94 | 1950. |
| E.95 | 1951. |
| E.96 | 1952. |
| E.97 | 1953. |
| E.98 | Manuscript notes by Hodgkin <i>re</i> X-ray Analysis Group. |

Crystallography Group

- | | |
|------|----------------------|
| E.99 | Newsletters 1979-80. |
|------|----------------------|

INTERNATIONAL UNION OF CRYSTALLOGRAPHY (IUCr)

1947-1993

The International Union of Crystallography, inspired by pre-Second World War international co-operation between crystallographers, held its first Congress and General Assembly at Harvard University in 1948. The aims of the IUCr, as laid out in its statutes (E.123), were: to promote international co-operation in crystallography; to promote the publication of crystallographic research and of crystallographic works; to facilitate the standardisation of methods and of units in crystallography; and to form a focus for the relationship of crystallography to other sciences, through the IUCr's membership of the International Council of Scientific Unions.

Hodgkin was a participant in every Congress from 1948 to 1993. At the Kyoto Congress in 1972 she was elected President of the Union, a post she held until the Amsterdam Congress three years later. As President Hodgkin acted as chairman of the General Assembly and of the Executive Committee, as the legal representative of the Union, and as the supreme representative of the IUCr in dealing with other bodies. She served on the Executive Committee of the IUCr from 1969 until 1978, after which she was not eligible for re-election.

Societies and organisations

The bulk of the material dates from Hodgkin's Presidency and from the period that immediately followed. There is also a record of her attendance at IUCr Congresses. The material is presented as follows:

- E.100-E.120 General papers and correspondence
- E.121-E.152A Congresses
- E.153-E.168 Executive Committee
- E.169-E.176 Miscellaneous

General papers and correspondence

1971-86, 1993

This chronological sequence includes photocopied material *re* IUCr commissions sent to Hodgkin for information.

- E.100 1971-72.
- E.101 1973 January.
- E.102 1973 February.
- E.103 1973 March-April.
- E.104 1973 May.
- E.105 1973 June-July.
- E.106 1973 August-September.
- E.107 1973 October-December.
- E.108 1974 January-February.
- E.109 1974 March-June.
- E.110 1974 July-December.

Societies and organisations

- E.111 1975 January.
- E.112 1975 February-March.
- E.113 1975 April-June.
- E.114 1975 July-September.
- E.115 1975 October-December.
- E.116 1976 January-May.
- E.117 1976 August-November.
- E.118 1977 January-July.
- E.119 1977 September-December.
- E.120 1978-86, 1993.

Congresses

1948-90

- E.121-E.124 First General Assembly and International Congress of the IUCr, Harvard University, 28 July - 3 August 1948.
Hodgkin gave a paper on 'Recent Work on Complex Organic Compounds'.
- E.121 Correspondence *re* arrangements, August 1947 - April 1948.
Provisional list and final list of non-American participants.
Programme.
- E.122 Abstracts of papers given at Congress.

Societies and organisations

- E.123 General Assembly.
- Delegates to the General Assembly were nominated by the National Academies of countries adhering to the IUCr; all crystallographers could attend the Congress.
- Agenda; notes on the agenda.
- Minutes.
- Appendices. These are reports by the Provisional Commissions that had been set up to investigate areas of particular crystallographic importance. Hodgkin was a member of the Commission on Crystallographic Data (E.173).
- E.124 Photograph of delegates (identified by key).
- Newspaper article.
- E.125, E.126 Second General Assembly and International Congress of the IUCr, Stockholm, 27 June - 3 July 1951.
- Hodgkin gave a paper on 'The examination of the crystal structure of vitamin B12'.
- E.125 List of participants.
- 'General Information'.
- E.126 Programme.
- Abstracts of papers given at Congress.
- E.127 Third General Assembly and International Congress of the IUCr, Paris, 21-28 July 1954.
- Letter *re* arrangements.
- Agenda for the General Assembly; notes on the agenda.
- E.128 Fourth General Assembly and International Congress of the IUCr, Montreal, 10-17 July 1957.
- Brief correspondence *re* arrangements.

Societies and organisations

- E.129 Fifth General Assembly and International Congress of the IUCr, Cambridge, England, 15-24 August 1960.
- Hodgkin chaired a session on Proteins and Related Compounds. A paper on 'X-ray studies on the structure of insulin', which she co-authored, was also given.
- Letter *re* arrangements, with attached letters of invitation to Chinese and Russian crystallographers.
- Circular *re* revision of By-Laws.
- Programme.
- E.130 Sixth General Assembly and International Congress of the IUCr, Rome, 9-18 September 1963.
- Brief correspondence *re* arrangements.
- Letter arising, *re* non-participation of East German crystallographers.
- E.131 Seventh General Assembly and International Congress of the IUCr, Moscow, 11-22 July 1966.
- Hodgkin gave a paper at the Congress, after which she and her husband, Thomas, travelled through central Asia.
- Correspondence *re* arrangements. Includes itinerary of journey through central Asia.
- Correspondence arising.
- E.132 Eighth General Assembly and International Congress of the IUCr, Stony Brook, New York, August 1969.
- Correspondence *re* arrangements. Includes correspondence *re* possible Chinese participation.
- E.133, E.134 Ninth General Assembly and International Congress of the IUCr, Kyoto, 26 August - 7 September 1972.
- Before the Congress Hodgkin visited China (F.68-F.71); she gave a special lecture at Kyoto on 'Crystallographic Work on Insulin in China'.
- E.133 Correspondence *re* arrangements. Includes letter and questions sent to Hodgkin *re* interview, with her manuscript notes.
- Correspondence arising, October 1973.

Societies and organisations

- E.134 'Agenda for Joint Meeting of Old and New Members of Executive Committee'. With manuscript notes by Hodgkin.

3pp. manuscript draft by Hodgkin; manuscript notes *re* history of the IUCr.

Newsletter. Includes interview with Hodgkin.
- E.135-E.141 Tenth General Assembly and International Congress of the IUCr, Amsterdam, 7-15 August 1975.

The congress marked the end of Hodgkin's Presidency of the IUCr.
- E.135-E.138 Correspondence *re* arrangements, April 1973 - July 1975. Includes correspondence *re* writing a history of the IUCr and *re* organising a special session of the congress to mark the thirtieth anniversary of the founding meeting in London.
- E.135 1973 April, 1973 October - 1974 January.
- E.136 1974 May-December.
- E.137 1975 January-March.
- E.138 1975 May-July.
- E.139 Correspondence arising, August 1975 - February 1976. Includes notes on a report of the congress, correspondence *re* election of new officers of the IUCr.
- E.140 'Agenda and Appendices to the Agenda of the Tenth General Assembly'.
- E.141 2pp. manuscript draft by Hodgkin, probably of Presidential address.

14pp. typescript by P.P. Ewald on 'The Development of the "New Crystallography" and of its Union'.
- E.142-E.148 Eleventh General Assembly and International Congress of the IUCr, Warsaw, 3-12 August 1978.

Hodgkin chaired a plenary lecture by T.L. Blundell on 'X-ray studies of the structure and organisation of biologically important proteins'.

Societies and organisations

- E.142-E.145 Correspondence *re* arrangements, June 1974 - February 1978. Includes correspondence *re* possibility of holding the congress in India.
- E.142 1974 June-December.
- E.143 1975 January-March.
- E.144 1975 April-August.
- E.145 1978 January-February.
- E.146 Programme.
- E.147 Report; list of participants; memorabilia.
- E.148 'Agenda and Appendices to the Agenda of the Eleventh General Assembly'.
- E.149 Twelfth General Assembly and International Congress of the IUCr, Ottawa, 16-25 August 1981.

Hodgkin presented the Congress Discourse at the Opening Ceremony. She spoke on 'Insulin in Crystals'.

Letter *re* arrangements; programme.
- E.150 Thirteenth General Assembly and International Congress of the IUCr, Hamburg, 9-18 August 1984.

Letter of invitation only.
- E.151 Fourteenth General Assembly and International Congress of the IUCr, Perth, Western Australia, 12-20 August 1987.

Agenda of the General Assembly, with appendices.
- E.152 Fifteenth General Assembly and International Congress of the IUCr, Bordeaux, 19-28 July 1990.

Brief correspondence *re* arrangements.

Programme.

Societies and organisations

E.152A Sixteenth General Assembly and International Congress of the IUCr, Beijing, September 1993.

One letter only, 1989, *re* IUCr Executive Committee's proposal to postpone the Congress until 1996 in the aftermath of the Tiananmen Square shooting in Beijing.

Executive Committee

E.153-E.163 General papers and correspondence

E.164-E.168 Minutes and agendas.

E.153-E.163 General papers and correspondence 1970-84.

E.153 1970-71.

E.154 1972.

E.155 1973 January-June.

E.156 1973 July-November.

E.157 1974 January-June.

E.158 1974 July-September.

E.159 1974 October-December.

E.160 1975.

E.161 1976-77.

E.162 1978-79.

E.163 1984, nd.

Societies and organisations

E.164-E.168 Minutes and agendas 1971-78.

E.164 1971, 1974.

E.165 1975.

E.166 1977.

E.167, E.168 1978. 2 folders.

Miscellaneous

E.169-E.172 *Acta Crystallographica* (the journal of the IUCr). Miscellaneous papers and correspondence, 1947-75.

E.169 1947-50.

E.170 1971-72.

E.171 1973.

E.172 1975.

E.173 Brief correspondence only *re* Commission on Crystallographic Data and Computing, of which Hodgkin was a member, 1950.

E.174, E.175 Correspondence *re* scientific relations with China, 1971-78.

E.174 1971-73.

E.175 1974-78.

E.176 Correspondence *re* the writing of an historical account of the foundation of the IUCr, 1973-74.

Reprint of 'The International Union of Crystallography: Its Formation and Early Development'. By Harmke Kamminga, 1989.

Societies and organisations

ROYAL INSTITUTION 1972-86

E.177 Miscellaneous papers and correspondence.

ROYAL IRISH ACADEMY 1979-80

E.178 Correspondence *re* visit to Dublin, December 1979, where Hodgkin gave a lecture on 'History and the x-ray analysis of protein'. While in Dublin she also presented a paper with J. Rotblat to the National Committee for the Study of International Affairs on 'Pugwash Conferences on Science and World Affairs'.

ROYAL SOCIETY 1947-93

Hodgkin was elected to the Fellowship in 1947 (A.58-A.61).

E.179-E.182 General papers and correspondence 1958-92.

E.179 1958-70. Includes correspondence, 1968, *re* proposed Leverhulme Visiting Professorship to Yugoslavia. Hodgkin was invited to apply.

E.180 1972-74, 1976.

E.181 1977-78.

E.182 1979-80, 1986-87, 1990, 1992.

E.183-E.185 British National Committee for Crystallography 1947-61.

The National Committee selected delegates to represent the Royal Society at the General Assembly of the IUCr and maintained contact between the Union and the Royal Society. Hodgkin sat on the Committee from 1947.

Minutes and agendas 1947-61.

E.183 1947-51.

E.184 1953, 1954.

Societies and organisations

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| E.185 | 1961. |
| E.186-E.188 | Exchanges. |
| E.186, E.187 | Papers and correspondence, mostly <i>re</i> visits by Russian and Chinese scientists, 1965-90. |
| E.186 | 1965-78. Includes report of visit of Royal Society delegation to China, 1972. |
| E.187 | 1980-90. |
| E.188 | Minutes and agendas of <i>ad hoc</i> meetings to consider the Royal Society's relations with the Academia Sinica, 1965-66. |
| E.189-E.192 | Nominations 1955, 1967-93. 5 folders. |

SECTION F

VISITS AND CONFERENCES

F.1-F.179

This section presents a chronological sequence of material relating to Hodgkin's visits and conferences, 1936-93, though the great bulk of the material relates to the period after the award of the Nobel Prize in 1964. There is evidence of her interest in maintaining scientific contacts with the USSR and China during the Cold War, the first of many visits taking place in 1953 (F.7) and 1959 (F.14) respectively, and there is evidence of visa difficulties in respect of visiting the USA (F.9) during the same period. She also made frequent visits to Eastern Europe outside the USSR. India was another locus of valued scientific contacts and she made a number of extended visits, for example in 1974 (F.78-F.80) and 1978 (F.113-F.119).

Not all Hodgkin's travel is documented in this section. Records of her attendance at International Union of Crystallography congresses are to be found in Section E with other IUCr material. Visits and conferences which bear on her well-known peace and humanitarian interests are to be found in Section G. These include the Pugwash Conferences on Science and World Affairs and her visits to Vietnam in 1971 and 1974. Some visits of particular biographical significance (including the award of the Nobel Prize and subsequent Nobel meetings) are documented in Section A.

After the main chronological sequence there is a separate sequence of invitations declined (or with no evidence of acceptance), 1945-89.

There is also an addendum of material received too late to present in the main chronological sequence.

F.1

Visit to The Netherlands, November 1936.

Hodgkin visited The Netherlands, probably to speak to the Dutch Biochemical Society. The visit was arranged by J.D. Bernal and H.G.K. Westenbrink.

Letter *re* arrangements.

Letter arising.

F.2

Seventh International Congress of Genetics, Edinburgh, 23-30 August 1939.

Letter *re* arrangements, concerning the withdrawal of Russian scientists.

F.3-F.6

Symposia on Quantitative Biology, Long Island Biological Association, Cold Spring Harbor, Long Island, New York, 8-16 June 1949.

Hodgkin was invited to the symposium on amino acids and proteins to give a paper on 'X-ray analysis and protein structure.' *Bibliog.* 48.

Visits and Conferences

- F.3 Correspondence *re* arrangements.
Programme
Information *re* publication of papers.
- F.4 Manuscript draft, footnotes, bibliography of Hodgkin's paper.
2pp. proof; brief correspondence *re* publication.
- F.5 Correspondence *re* reproducing figures from other articles.
Miscellaneous background notes; photographs.
- F.6 Drafts of papers by Hodgkin, probably used as background material for symposium paper.
- F.7 Visit to USSR, 1953.
Letter to Home Office, probably from Hodgkin and her husband, Thomas, *re* refusal to grant a visa to the Russian biochemist V.I. Oparin. The letter also refers to a visit made by the Hodgkins to the USSR earlier in the year.
Manuscript draft of Hodgkin's report on the 'Last day in Moscow'.
Folder also includes photographs of visit and theatre programme.
See also A.12.
- F.8 Visit to Zürich, November 1956.
Hodgkin was invited to give a lecture to the Department of Chemistry at the Laboratorium für organische Chemie.
Correspondence *re* arrangements.
- F.9 Fourth International Congress of Crystallography, Montreal, 10-19 July 1957.
Hodgkin was invited by W.N. Lipscomb to the Congress to give a paper on protein structure, subsequently to be combined with a visit to Lipscomb's own department at the University of Minnesota. Visa problems, however, prevented her from visiting the USA at this time. See also H.135. Later that year arrangements were made for Hodgkin to visit the USA and in December she visited the University of Minnesota, UCLA and the California Institute of Technology (Linus Pauling).
Correspondence *re* arrangements. June-November 1956, July-December 1957.

Visits and Conferences

- F.10 Visit to Copenhagen, 4-6 November 1957.
- Hodgkin was invited to give a lecture to the Danish Pharmaceutical Society and to visit the NOVO Terapeutisk Laboratorium.
- Correspondence *re* arrangements.
- F.11 Visit to Scandinavia, 20-26 March 1958.
- Hodgkin was invited to give three lectures at The Technical University of Norway, Trondheim, on 20, 21 and 22 March. She then travelled to Sweden in order to give a lecture at the University of Uppsala on 24 March and then a lecture in Stockholm on 25 March.
- Correspondence *re* arrangements. Includes itinerary for visit to Uppsala.
- F.12 Visit to Amsterdam, 6-10 May 1958.
- Hodgkin was invited by the Royal Netherlands Academy of Sciences and Letters to the celebration of the 150th anniversary of its foundation.
- Correspondence *re* arrangements.
- Correspondence arising.
- F.13 Visit to Finland and USSR, May 1959.
- Hodgkin was invited to give a paper at a conference in Leningrad, from where she and Thomas Hodgkin went on to Moscow. They had visited Helsinki on their way to the USSR.
- Correspondence *re* arrangements.
- Correspondence arising.
- F.14 Visit to China, September 1959.
- Hodgkin was invited to visit China by the Chinese People's Association for Cultural Relations with Foreign Countries.
- Brief correspondence only, including letter from K. Lonsdale *re* contacts with Chinese scientists.
- F.15 Visit to USA, ?early 1960.
- Hodgkin was invited to give a lecture to a symposium at the University of Washington, Seattle.
- Letter *re* arrangements.

Visits and Conferences

- F.16 Visit to USA, March 1961.
- Hodgkin gave a lecture at Dartmouth College, New Hampshire, from where she travelled to the University of Chicago to give the Lee Lecture.
- Correspondence *re* arrangements.
- Letter arising, *re* offer of permanent professorship at the University of Chicago.
- F.17 Fifth International Congress of Biochemistry, Moscow, August 1961.
- Letter *re* arrangements.
- 6pp. draft, probably of paper on insulin given at conference.
- F.18 Visit to East Berlin, March 1962.
- Hodgkin was invited to a two-day colloquium to mark the opening of a new building for the Institut für Strukturforschung der Deutschen Akademie der Wissenschaften zu Berlin.
- Correspondence *re* arrangements, in German.
- F.19 Visit to USA, 25-31 March 1963.
- Hodgkin visited the USA to participate in a symposium entitled 'Chemistry in Medicine', held at Brookhaven National Laboratory, Long Island, to celebrate the 80th birthday of Dr. Donald D. Van Slyke. From there she planned to go to Boston.
- Correspondence *re* arrangements.
- Correspondence arising *re* publication of symposium proceedings.
- F.20 Visit to Zürich, June 1963.
- Hodgkin was invited by the Zürich Chemical Society to give a lecture on her work on vitamin B12.
- Correspondence *re* arrangements.
- Letter arising.

Visits and Conferences

- F.21 Visit to Czechoslovakia, 21-28 September 1963.
- Hodgkin was invited to visit the Slovak Academy of Sciences, Bratislava, and Prague. She travelled by car with Thomas Hodgkin from the International Congress of Crystallography in Rome, which took place on 8-18 September.
- Correspondence *re* arrangements.
- F.22 Visit to Algeria, 10-27 April 1965.
- Hodgkin was invited by the University of Algiers to give seminars related to the work for which she won the Nobel Prize.
- Correspondence *re* arrangements.
- Correspondence arising.
- F.23 Visit to Munich, 8-10 June 1965.
- Hodgkin was invited to give a lecture at the Physikalisch-Chemisches Institut der Technischen Hochschule.
- Correspondence *re* arrangements.
- Letter arising.
- F.24 Ninth Latin American Chemical Congress, Puerto Rico, 1-6 August 1965.
- Hodgkin was invited to give a lecture, probably on the determination of the structure of vitamin B12.
- Correspondence *re* arrangements.
- Letter *re* publication of lecture.
- F.25, F.26 Visit to Japan and China, September-October 1965.
- Hodgkin was invited by the British Council to lecture in connection with the British Exhibition in Tokyo. She lectured at the Universities of Tokyo, Kyoto and Osaka on the subjects of vitamin B12 and X-ray analyses of complex organic molecules. See also H.173. Leaving Japan after one week, she travelled to China via Hong Kong, visiting Canton and Shanghai.
- F.25 Correspondence *re* arrangements, including itineraries for visit to Japan and information for visitors. April-September 1965.

Visits and Conferences

- F.26 Correspondence arising, includes two letters *re* publication of lecture given in Tokyo on the subject of vitamin B12.
- Typescript of lecture on the 'X-ray analysis of large organic molecules', given at Kyoto.
- F.27, F.28 Visit to Düsseldorf, 27-28 October 1965.
- Hodgkin lectured to the Arbeitsgemeinschaft für Forschung des Landes Nordrhein-Westfalen on 'The x-ray analysis of some biochemically interesting molecules'. *Bibliog.* 93.
- F.27 Correspondence *re* arrangements, in English and German. November 1964, April-October 1965.
- F.28 Correspondence arising *re* translation of lecture into German and its publication. In English and German.
- Incomplete typescript of lecture.
- F.29 Visit to Massachusetts Institute of Technology, November 1965.
- Hodgkin was invited to lecture at M.I.T., spending a week there together with Thomas Hodgkin.
- Correspondence *re* arrangements.
- Letter arising.
- F.30 Visit to Ghana, December 1965.
- Hodgkin was invited to give the Aggrey-Frazer-Guggisberg Lectures at the University of Ghana.
- Correspondence *re* arrangements, extract of lecture.
- Correspondence arising.
- F.31, F.32 Visit to The Netherlands and West Germany, 7-15 March 1966.
- Hodgkin was invited to lecture to Dutch universities by the Organisation of Students in Science and Technology. This was directly followed by a lecture in Aachen to the Chemical Institute there on the subject of 'Crystallography and the Structure of Vitamin B12'.

Visits and Conferences

- F.31 Correspondence *re* arrangements for visit to The Netherlands.
Correspondence arising.
- F.32 Correspondence *re* arrangements for visit to West Germany.
Correspondence arising, includes correspondence *re* publication of lecture.
- F.33 Visit to Switzerland, May 1966.
Hodgkin was invited to lecture, probably on the structure of vitamin B12, to a conference on Stereochemistry held near Lucerne.
Correspondence *re* arrangements.
- F.34 Visit to the USA and Canada, May 1966.
Hodgkin gave the Harvey Lecture, entitled 'Some Observations on Crystallography, Chemistry, and Medicine', *Bibliog.* 102, to the Harvey Society of New York, and also lectured at the Rockefeller Institute. From there she went to Buffalo, and then on the Ottawa.
Correspondence *re* arrangements.
Draft of Harvey Lecture; proof.
- F.35 Visit to Paris, June 1966.
Hodgkin was invited to represent the International Union of Crystallography at the celebration of the tercentenary of the foundation of the Academie des Sciences de l'Institut de France.
Correspondence *re* arrangements.
Letter arising.
- F.36 Visit to Yugoslavia, 9-12 November 1966.
Hodgkin was invited to Zagreb to the celebration of the 100th Anniversary of the foundation of the Yugoslav Academy of Sciences and Arts.
Correspondence *re* arrangements.
Correspondence arising.

Visits and Conferences

- F.37 International Symposium on Conformation of Biopolymers, Madras, 18-21 January 1967.
- Hodgkin visited India to attend the symposium, but also toured extensively throughout the month of January, visiting the Universities of Delhi and Madurai, and lecturing at the National Chemical Laboratory, Poona, and at the Trombay Atomic Energy Establishment, Bombay.
- Correspondence *re* arrangements.
- Correspondence arising.
- F.38-F.40 Gordon Research Conference on Coenzymes and Metabolic Pathways, Meriden, New Hampshire, USA, July 1967.
- Hodgkin was invited to chair the session on 'The Chemical Synthesis and Biosynthesis of B12'. Following the conference, she visited Yale University, Washington D.C., New York, Purdue University and Ottawa, returning to London on 16 July.
- F.38 Correspondence *re* arrangements, includes itinerary. January 1966 - June 1967.
- F.39 Correspondence *re* meeting at National Academy of Sciences, Washington D.C., about contacts with Chinese scientists. January-June 1967.
- F.40 Correspondence arising, includes photograph of participants (identified) at conference.
- F.41 International Union of Pure and Applied Chemistry, Corrin Symposium, University of Nottingham, 17-19 July 1967.
- Hodgkin gave a lecture entitled 'Developments in the crystallographic analysis of the cobalamins'.
- Correspondence *re* arrangements, includes programme of lectures.
- F.42 Visit to Zürich, 16 September 1967.
- Hodgkin was invited to give a lecture at a Symposium arranged to celebrate the 80th birthday of L. Ruzicka. She probably lectured on 'Chemistry in Space'.
- Correspondence *re* arrangements.

Visits and Conferences

- F.43 Visit to West Germany, March 1968.
- Hodgkin was invited to a conference at Hirschegg, where she gave a paper on the insulin work of her team.
- Correspondence *re* arrangements.
- Correspondence arising.
- F.44 Fifth International Symposium on the Chemistry of Natural Products, London, 8-13 July 1968.
- Hodgkin was invited to serve as Vice-Chairman for the session devoted to 'Biosynthesis'.
- Letter of invitation only.
- F.45 Visit to USA, May 1969.
- Hodgkin attended the Lilly Research Laboratories meeting on proinsulin in Indianapolis, on the way giving a talk on the structure of insulin to a colloquium held at the University of Chicago.
- Correspondence *re* arrangements.
- F.46-F.48 Second International Conference 'de la Physique Théorique à la Biologie', Institut de la Vie, Versailles, 30 June - 5 July 1969.
- Hodgkin gave a paper on 'Some characteristics of protein crystals', *Bibliog.* 127, and contributed to various discussions at the conference.
- F.46 Correspondence *re* arrangements, in English and French. Includes draft abstract of Hodgkin's paper. February-March 1968, February-June 1969.
- F.47 Typescript of Hodgkin's discussion remarks at conference, amended by Hodgkin.
- F.48 Correspondence arising, *re* publication of paper. July 1969 - January 1971.
- F.49, F.50 Visit to East Germany, October-November 1969.
- Hodgkin attended a meeting of the Deutsche Akademie der Naturforscher Leopoldina at Halle, where she was the Royal Society's official representative. This was followed by a colloquium entitled 'Röntgenkristallstrukturanalyse', held in Berlin in honour of the 60th birthday of K. Boll-Dornberger, where Hodgkin gave a paper on 'Recent developments and results in X-ray analysis'.

Visits and Conferences

- F.49 Correspondence *re* arrangements, August-October 1968, February-September 1969.
- F.50 Memorabilia, includes programmes for both events.
Correspondence arising, includes article (in German) on the Leopoldina meeting.
- F.51 Visit to Sudan, 11-29 March 1970.
Hodgkin was invited by the University of Khartoum to act as an external examiner for the Department of Chemistry. While in Khartoum she lectured to the department on insulin.
Correspondence *re* arrangements.
Correspondence arising.
- F.52 Ghana Association for Development Studies Second U.K. Conference on Trade, Industry and Development, Cambridge, 3-5 April 1970.
Hodgkin was invited to deliver a paper on 'The Role of Scientific and Technological Research in the Economic Development Programme of Ghana'.
Invitation and programme only.
- F.53 Visit to Copenhagen, 19-21 April 1970.
Hodgkin was invited by the Danmarks Farmaceutiske Højskole to give the Baggesgaard Lecture, on 'The structure of insulin', *Bibliog.* 130. While in Copenhagen she also visited the NOVO Terapeutisk Laboratorium and the Carlsberg Institute.
Correspondence *re* arrangements, November 1969 - March 1970.
Letter arising.
Reprint of lecture.
- F.54 A.L. Patterson Memorial Lecture, Institute for Cancer Research, Fox Chase, Philadelphia, 29 April 1970.
Hodgkin lectured on 'X-ray analysis and the structure of insulin'.
Correspondence *re* arrangements; notice of lecture.
Letter arising.

Visits and Conferences

- F.55 IUPAC International Symposium on Macromolecules, Leiden, 31 August - 4 September 1970.
- Hodgkin was invited to give a lecture covering problems in the field of the structure of biopolymers.
- Correspondence *re* arrangements.
- Correspondence *re* publication of paper; 2pp. manuscript draft.
- F.56 Visit to Basel, 17 October 1970.
- Hodgkin was invited to lecture on 'The Crystal Structure of Insulin', *Bibliog.* 115, at the first annual meeting of the Swiss Society of Crystallography.
- Correspondence *re* arrangements.
- Letter *re* publication of lecture; typescript.
- F.57 Third International Conference 'de la Physique Théorique à la Biologie', Institut de la Vie, Versailles, 21-26 June 1971.
- Hodgkin visited France to attend the conference having played a role in its organisation. The conference was originally scheduled for December 1969, and then March 1970.
- Correspondence *re* arrangements, October 1969 - July 1970, March-April 1971.
- F.58 Visit to USSR, September 1971.
- Hodgkin visited the USSR with Thomas Hodgkin, spending time at the Academy of Sciences in Moscow.
- Brief correspondence *re* arrangements.
- F.59 Second International Symposium on Protein and Polypeptide Hormones, Liège, 28 September - 1 October 1971.
- Hodgkin was invited to chair a session on conformational studies of peptide hormones and, together with T.L. Blundell, wrote a paper entitled 'Some Features of the Conformation of Insulin Molecules observed in 2 Zinc Rhombohedral Insulin Crystals'. At the last minute, however, she was forced to withdraw from the symposium owing to problems regarding a visit to Vietnam.
- Correspondence *re* arrangements, January-September 1971.
- 7pp. typescript of paper.

Visits and Conferences

- F.60-F.62 Visit to USA and Canada, October 1971.
- Hodgkin was invited to attend a symposium at the Lilly Research Laboratories, Indianapolis, to celebrate the 50th anniversary of the discovery of insulin. In conjunction with the Lilly symposium she took part in a course on diabetes held at Indiana University School of Medicine, where she gave a paper on the structure of insulin. Hodgkin also declined an invitation to participate in a symposium on proteins held at Cold Spring Harbor, New York.
- In Canada Hodgkin gave a seminar to the National Research Council at Ottawa before attending a symposium on insulin action at the University of Toronto. This was followed by a lecture on the history of insulin research at the University of Calgary.
- F.60 Correspondence *re* arrangements for visit to USA, February-September 1971.
- Letter arising.
- F.61 Correspondence *re* arrangements for visit to Canada, March-October 1971.
- F.62 Correspondence arising from visit to Canada, including correspondence *re* publication of paper given at Toronto symposium.
- F.63 Visit to Moscow, 12-19 December 1971.
- Hodgkin visited Moscow in order to participate in the 80th birthday celebrations of Academician N.V. Belov.
- Correspondence *re* arrangements.
- Letter arising.
- F.64 Symposium on insulin, Royal College of Physicians, London, 11 May 1972.
- Hodgkin gave a paper on the atomic arrangement of insulin in relation to its biological activity.
- Correspondence *re* arrangements, includes correspondence *re* participation of Chinese scientists. September 1971 - May 1972.

Visits and Conferences

- F.65 Sixth Hungarian Diffraction Conference, Siófok, 28 May - 1 June 1972.
- Hodgkin lectured on the crystal structure of insulin, and gave a similar lecture in Budapest, which she visited after the conference.
- Correspondence *re* arrangements, includes programme and list of participants.
- Correspondence arising.
- F.66 Banting Memorial Lecture, Washington D.C., 24 June 1972.
- Hodgkin was invited by the American Diabetes Association to deliver the Banting Memorial Lecture as part of the 50th anniversary celebrations of the discovery of insulin.
- Correspondence *re* arrangements.
- Typescript draft of lecture, on 'The structure of insulin', *Bibliog.* 137.
- Correspondence arising.
- F.67 Third Summer School on X-ray Crystal Structure Analysis, Poland, June-July 1972.
- Correspondence *re* application for visa only.
- F.68-F.71 Visit to China and Japan, August-September 1972.
- Hodgkin, accompanied to China by Thomas Hodgkin, visited laboratories in Peking and Shanghai where she discussed the research being carried out there on the crystal structure and biological activity of insulin. They also visited Soo Chou, Nanking and the area around Canton, mostly for 'sight-seeing' purposes.
- From China, Hodgkin went to Japan for the Ninth International Union of Crystallography Congress at Kyoto. Following the congress she visited Nagoya University, where she lectured on 'The Crystal Structure of Insulin'.
- Documentation *re* the Ninth IUCr Congress is to be found at E.133, E.134.
- F.68 Correspondence *re* arrangements for visit to China. Includes correspondence with Royal Society *re* official Royal Society visit to China earlier in the year. See also E.186.

Visits and Conferences

- F.69 Correspondence arising from visit to China.
- Letter written by Hodgkin, probably to the members of her laboratory, while staying near Canton.
- Photographs.
- Report, 'Visit to China 1972. By Dorothy and Thomas Hodgkin'.
- F.70 Correspondence *re* arrangements for visit to Japan. Includes correspondence *re* Sino-Japanese scientific relations.
- F.71 Correspondence arising from visit to Japan.
- F.72 Visit to USA, 12-16 December 1972.
- Hodgkin was invited to receive the honorary degree of Doctor of Science of the University of Chicago. She also participated in a symposium entitled 'Molecular Aspects of Protein Structure', where she talked on 'The Structure of Crystalline Insulin'.
- Correspondence *re* arrangements.
- Letter arising.
- F.73 Fourth International Conference 'de la Physique Théorique à la Biologie', Institut de la Vie, Versailles, 28 May - 2 June 1973.
- Correspondence *re* arrangements.
- F.74 Symposium on Symmetry in Nature, Mexico City, June 1973.
- Hodgkin was invited to give a paper on 'Symmetry and Biology' at the symposium, which was organised by the American Association for the Advancement of Science.
- Correspondence *re* arrangements.
- Correspondence arising.

Visits and Conferences

- F.75 Symposium on the Structure of Biological Molecules, Stockholm, 9-11 July 1973.
- Hodgkin was invited to give the Nobel Guest Lecture on 'Problems in the x-ray analysis of proteins', *Bibliog.* 145, at the symposium, and also to chair a session on viruses.
- Correspondence *re* arrangements, February 1972, May-September 1972, January-June 1973.
- Correspondence arising *re* publication of lecture.
- 14pp. typescript.
- See also J.80
- F.76 Symposium on 'Chemie und Biochemie des Insulins', Aachen, West Germany, 12-13 July 1973.
- Hodgkin and her group were invited to give a presentation on 'Semisynthese von Insulin'.
- Correspondence *re* arrangements, including correspondence *re* participation of Chinese scientists.
- Letter arising.
- F.77 First European Crystallographic Meeting, Bordeaux, 5-8 September 1973.
- Hodgkin chaired a session on 'Structures d'Interêt Biologique'.
- Correspondence *re* arrangements.
- Letter arising.
- F.78-F.80 Visit to India, February-March 1974.
- Hodgkin was invited by the Indian Council for Cultural Relations to deliver the Azad Memorial Lecture for 1974. She combined this visit to India with a visit to Vietnam, travelling to Hanoi via Delhi and Calcutta in early February. Coming back to India at the end of February via the University of Dacca, Bangladesh, she visited the Saha Institute of Nuclear Physics in Calcutta, the University of Madras and the National Aeronautical Laboratory at Bangalore before travelling to New Delhi for the lecture. Entitled 'Wandering Scientists', *Bibliog.* 148, the lecture was an account of the parts played by different scientists in the history of research on proteins, penicillin, vitamin B12 and insulin.
- Documentation *re* Vietnam visit is to be found at G.144.

Visits and Conferences

- F.78 Correspondence *re* arrangements, October 1973 - March 1974. Includes itinerary for visit to Delhi.
- F.79 Correspondence arising, March-October 1974. Includes correspondence *re* offer of C.V. Raman Visiting Professorship at the University of Madras and correspondence *re* publication of lecture.
- F.80 13pp. typescript draft of lecture.
13pp. typescript, incomplete, amended; 3pp. manuscript.
Miscellaneous notes.
- F.81, F.82 Colston Symposium, University of Bristol, 2-4 April 1974.
Hodgkin was invited to chair a session on the structure of fibrous biopolymers.
- F.81 Correspondence *re* arrangements, includes programme. November 1972, February-March 1974.
- F.82 Correspondence arising, includes correspondence *re* publication of Hodgkin's introductory remarks as part of the proceedings.
Typescript drafts, amended.
Proofs.
- F.83 Visit to Hungary, [? June] 1974.
Hodgkin attended the Second European Crystallographic Meeting at Keszelthy.
Letter *re* arrangements only.
- F.84 Visit to USA, November 1974.
Hodgkin was invited by IBM to speak at Yorktown Heights, New York as a Distinguished Lecturer. She spoke on protein crystals, following this by a visit to Yale University, where she gave a talk on her visits to China and North Vietnam. Hodgkin then travelled to Cornell University, where she had offered to lecture on either insulin or vitamin B12. From Cornell she went to Boston, and then to Harvard University.
Correspondence *re* arrangements, June-October 1974.
Correspondence arising.

Visits and Conferences

- F.85 Visit to Israel, May 1975.
- Hodgkin was invited to lecture at the Weizmann Institute of Science, Rehovot. She also visited Jerusalem and Haifa.
- Letter *re* arrangements.
- Itinerary.
- F.86 Fifth International Conference 'de la Physique Théorique à la Biologie', Institut de la Vie, Versailles, 16-21 June 1975.
- Hodgkin gave a paper on gramicidin A and B.
- Correspondence *re* arrangements.
- Correspondence arising, includes note on Hodgkin's paper.
- F.87 Wollforschung International, Aachen, West Germany, 2-11 September 1975.
- Hodgkin was invited to give a lecture on insulin.
- Correspondence *re* arrangements.
- 6pp. typescript of lecture; 2pp. manuscript.
- F.88, F.89 Visit to USSR, 5-15 October 1975.
- Hodgkin, as President of the International Union of Crystallography, was invited to Moscow to participate in the 250th Anniversary celebrations of the Academy of Sciences of the USSR, originally planned for May 1974.
- F.88 Correspondence *re* arrangements, February 1974 - September 1975.
- F.89 Correspondence arising, text of speech by Soviet Premier Leonid Brezhnev and report on 'The 250th Anniversary of the USSR Academy of Sciences' by V.A. Kotelnikov.
- F.90, F.91 Visit to USA, October 1975.
- Hodgkin was invited to a conference on steroid hormones at the Medical Foundation of Buffalo Research Laboratories to celebrate the publication of the *Atlas of Steroid Structure*, dedicated to her, J.D. Bernal and I. Fankuchen. She gave the keynote address, probably on the early history of steroid structure. She then visited the University of Connecticut, where she gave an informal talk. Following this Hodgkin went to Harvard University to give the John T. Edsall Lecture on 'The Structure of Insulin in Crystals'.

Visits and Conferences

- F.90 Correspondence *re* arrangements, September-December 1974, May-October 1975.
- F.91 Correspondence arising.
- F.92-F.94 Visit to Italy, December 1975.
- Hodgkin was invited to Modena to participate in the celebrations of the Eighth Centenary of the foundation of the University of Modena. She received the honorary degree of Doctor in Medicine and Surgery and gave a lecture to the medical school on 'The Structure of Insulin'.
- F.92 Correspondence *re* arrangements, December 1973 - March 1974, September-November 1974.
- F.93 Correspondence *re* arrangements, July-December 1975. Includes summary of lecture.
- F.94 Correspondence arising.
- Photographs of degree ceremony.
- F.95, F.96 Workshop on the Crystallography of Molecular Biology, Erice, Sicily, 28 March - 10 April 1976.
- Hodgkin chaired the session on 'Hormones' and gave the introductory paper. She was also invited to lecture at the Universities of Parma and Bologna but declined.
- F.95 Correspondence *re* arrangements, includes programme, abstracts, August 1975 - March 1976.
- F.96 Correspondence arising, includes correspondence *re* possibility of Hodgkin becoming Director of the Erice Crystallography School. March-December 1976.
- Memorabilia.
- F.97-F.100 American Chemical Society Centennial, New York, 4-9 April 1976.
- Hodgkin was invited to give two papers at the meeting. The first, 'Growing Points and Sticking Points in X-ray Analysis', was given at a Symposium on Analyses of Crystals of Biochemical Importance. The second, on 'The Structure of Molecules in Crystals', was given at a Symposium on Milestones in Physical Chemistry.

Visits and Conferences

- F.97 Correspondence *re* arrangements, June 1975 - December 1975, March 1976. Includes programme.
- F.98 Correspondence arising.
- F.99 6pp. typescript of 'Growing Points and Sticking Points in X-ray Analysis'.
12pp. manuscript of preceding.
Abstracts of Hodgkin's papers.
Abstracts of other papers given at symposium on crystal analysis.
- F.100 Miscellaneous unidentified notes and diagrams.
- F.101 Visit to Yugoslavia, May-June 1976.

Hodgkin was invited to a conference of Yugoslav and Italian crystallographers held at Dubrovnik, where she gave a lecture. She travelled to Yugoslavia with Thomas Hodgkin and their daughter, Elizabeth, visiting southern Yugoslavia after the meeting.

Correspondence *re* arrangements.

Letter arising.
- F.102 Ninth Congress, International Diabetes Federation, New Delhi, 31 October - 5 November 1976.

Hodgkin chaired a workshop on the molecular basis of insulin action, and gave a paper on the structure of insulin.

Correspondence *re* arrangements, June-October 1976.

Brief correspondence arising.

Reprint of paper.
- F.103 V Congreso Iberoamericano de Cristalografía, Madrid, 10-17 December 1976.

Hodgkin was invited to give a paper on insulin.

Correspondence *re* arrangements.

Visits and Conferences

- F.104 Visit to USA, February 1977.
- Hodgkin was invited to a meeting of the American Crystallographic Association at Monterey, California to receive the Fankuchen Award and to give a lecture. She then travelled to New York where she gave a lecture, as recipient of the award, at the Polytechnic Institute of New York.
- Correspondence *re* arrangements, includes abstract of a lecture, probably on protein crystals and the work of I. Fankuchen.
- Correspondence arising.
- F.105 'Endocrinology '77', Sixth International Conference, London, 11-15 July 1977.
- Brief correspondence *re* arrangements only.
- F.106-F.109 Fourth European Crystallographic Meeting, Oxford, 30 August - 3 September 1977.
- The meeting at Oxford coincided with Hodgkin's retirement from her chair, and within the meeting there was a function in her honour, to which former pupils and associates were invited. She also gave a lecture on 'Insulin 1935-1977'.
- F.106 Correspondence *re* arrangements. April-May 1974, November 1974 - January 1975, October 1975 - February 1976, November 1976. Includes provisional programme.
- F.107 Correspondence *re* arrangements. January-August 1977. Includes revised programme.
- Letter arising.
- F.108 Printed programme.
- Supplements of abstracts and participants.
- List of participants from USSR.
- Information *re* travel to Oxford and registration.
- F.109 Lists of Hodgkin's former pupils and associates, with addresses.
- F.110 International Council of Scientific Unions General Committee meeting, Budapest, 6-9 September 1977.
- Correspondence *re* arrangements, mostly *re* visa application.

Visits and Conferences

- F.111, F.112 Visit to China, December 1977.
- Hodgkin visited China with G. Dodson, visiting the insulin groups in Peking and Shanghai, and discussing the possibility of China becoming a member of the International Union of Crystallography.
- F.111 Correspondence *re* arrangements.
- Miscellaneous notes by Hodgkin, includes names of Chinese scientists, itinerary.
- F.112 Correspondence arising. Includes report sent to Hodgkin by Dietrich Brandenburg and Helmut Zahn of the Deutsches Wollforschungsinstitut, Aachen, entitled 'Visitors Glimpse at Scientific Research Institutes in China'. Also includes correspondence *re* future participation of Chinese scientists in international meetings.
- F.113-F.119 Visit to India, January 1978.
- Hodgkin visited India as President of the Symposium on Biomolecular Structure, Conformation, Function and Evolution held in Madras and as C.V. Raman Visiting Professor at the Universities of Madras and Bangalore. She gave the presidential address to the symposium and, at the Winter School on Current Trends in Biomolecular Structure which followed, gave a lecture on 'The refinement of the crystal structure of insulin'. While in Madras Hodgkin also gave a public lecture on 'Some experiences in X-ray analysis'.
- Hodgkin was in India for a month, and received many invitations to lecture or to visit. Most were declined, but she spent some time in Bangalore, attended an Indian Pugwash Society workshop on 'Guidelines for International Scientific Cooperation for Development' in Delhi, and participated in a workshop on 'Chemical Evolution, Origin of Life and Evolution of Life Processes' at Hyderabad.
- F.113, F.114 Correspondence *re* arrangements for visit to Madras. Includes correspondence with International Union of Crystallography *re* sponsorship of symposium.
- F.113 November 1975 - April 1977.
- F.114 June-December 1977.
- F.115 Programme for symposium and Winter School with abstracts.
- Information about Madras.
- Lists of participants.

Visits and Conferences

- F.116 Two drafts of presidential address, entitled 'Biomolecular structure, conformation, function and evolution', *Bibliog.* 161. 'X-ray analysis and biological structures' is the title given in the correspondence.
- F.117 Correspondence *re* visits to Bangalore, Delhi and Hyderabad. Includes programme for Hyderabad workshop.
- F.118 Invitations declined.
- F.119 Correspondence arising from Madras visit.
Memorabilia.
- F.120 Insulin Symposium, London, 14-15 February 1978.
Hodgkin was invited to chair two sessions of the symposium, arranged by the British Diabetic Association, the Society for Endocrinology and the Endocrine Section of the Royal Society.
Correspondence *re* arrangements, includes programme.
Correspondence arising.
- F.121-F.123 Visit to USA, 29 May - 3 June 1978.
Hodgkin was invited to a conference entitled 'The Origins of Modern Biochemistry - A Retrospect on Proteins' held in New York and sponsored by the New York Academy of Sciences. She gave a paper on 'Contributions of x-ray crystallography to protein structure'. Hodgkin was also invited to the Mount Sinai Medical School, New York, to receive an honorary degree and to participate in its tenth anniversary symposium, where she lectured on the structure of insulin.
- F.121 Correspondence *re* arrangements, August 1977 - May 1978.
Programme, provisional programme for biochemistry conference.
Programme for Mount Sinai symposium.
- F.122 Correspondence arising, includes correspondence *re* publication of lecture on protein structure.
- F.123 Manuscript of lecture, an historical account of the application of x-ray crystallography to the study of proteins.
Typescript of Hodgkin's discussion remarks at biochemistry conference.

Visits and Conferences

- F.124 International Symposium on 'Frontiers in Bioorganic Chemistry and Molecular Biology', Moscow and Tashkent, USSR, 25 September - 2 October 1978.
- Hodgkin was invited to give a paper and later to contribute her paper, on 'The geometry of A-chains in insulin', to a published collection of papers from the symposium.
- Correspondence *re* arrangements, includes programme.
- Correspondence arising.
- F.125-F.127 Visit to USA, October-November 1978.
- Hodgkin was in the USA as Visiting Fellow, Dartmouth College, New Hampshire while Thomas Hodgkin was Visiting Professor. While in the USA she gave four lectures as Mead-Swing Lecturer at Oberlin College, Ohio, visited the University of Illinois, and was Venable Lecturer at the University of North Carolina. She lectured there and gave a seminar on the structure of insulin.
- At Dartmouth College Hodgkin was also Dreyfus Lecturer, lecturing on 'Experiences in Structure Analysis: Proteins, Penicillin and Vitamin B12' and on 'The Structure of Insulin in Crystals'.
- F.125 Correspondence *re* arrangements with Dartmouth College, includes biographical note and notice of lecture.
- Correspondence arising.
- F.126 Correspondence *re* arrangements with the University of North Carolina.
- Letter arising.
- Biographical note, notice of lecture, list of previous Venable Lecturers.
- F.127 Correspondence *re* visits to Oberlin College and the University of Illinois.
- F.128 Visit to India, January-February 1979.
- Hodgkin travelled widely in India, and gave an Academy lecture on 'Structure of insulin in crystals' at the Indian Institute of Science, Bangalore. She had been invited to attend a symposium in Bangladesh prior to her visit to India, but probably did not attend.
- Letter *re* arrangements.
- Letter arising.

Visits and Conferences

- F.129 Third European Symposium on Vitamin B12 and Intrinsic Factor, Zürich, 5-8 March 1979.
- Hodgkin gave the Plenary Lecture, on 'New and Old Problems in the Structure Analysis of Vitamin B12', *Bibliog.* 157.
- Copy of the newspaper 'Chemische Rundschau', giving programme of lectures.
- Typescript draft of Hodgkin's lecture; reprint.
- F.130 2nd International Insulin Symposium, Aachen, West Germany, 4-7 September 1979.
- Letter *re* arrangements.
- Letter arising.
- Programme; supplement.
- F.131 Visit to India and Bangladesh, November 1979.
- Hodgkin visited Delhi, North Bengal University, the Bhabha Atomic Research Centre near Bombay, and the University of Dacca. She was also interviewed by All India Radio.
- Correspondence *re* arrangements; miscellaneous notes.
- Correspondence arising.
- F.132 Visit to USA, April 1980.
- Hodgkin gave the Fae Golden Kass Lecture at Radcliffe College, Mass., entitled 'The Discovery of the Structure of Penicillin and Vitamin B12'. She then went to Airlie, Virginia, to participate in a Symposium on Interaction between Iron and Proteins in Oxygen and Electron Transport. There Hodgkin gave a talk on M.F. Perutz at a banquet held in his honour.
- Letter *re* arrangements for Symposium, includes programme.
- Notice of lecture at Radcliffe College.
- Correspondence arising.

Visits and Conferences

- F.133 International Conference on Water and Ions in Biological Systems, Bucharest, 25-27 June 1980.
- Hodgkin attended the Conference as a representative of the Royal Society, giving a special lecture entitled 'John Bernal and the structure of water'. She and Thomas Hodgkin had spent ten days in Romania prior to the Conference, combining a holiday with scientific visits.
- Letter *re* arrangements.
- Programme of Conference; programme of concert; itinerary.
- Correspondence arising.
- F.134 J.M. Robertson Symposium, Glasgow, 4-5 September 1980.
- The Symposium was held in honour of J.M. Robertson's 80th birthday.
- Programme; reprint of article on Robertson.
- F.135, F.136 Visit to China, November-December 1980.
- Hodgkin and T.L. Blundell were invited to China by the Institute of Biophysics, Peking, to give a series of lectures there on the structural chemistry of bio-macromolecules. This was followed by visits to Shanghai and Canton.
- F.135 Correspondence *re* arrangements, April-November 1980. Includes correspondence *re* visit of the Japanese scientists, N. and K. Sakabe, to China.
- F.136 Information for visitors to China.
- Information *re* translation of lectures.
- Correspondence arising.
- Brief report on visit.
- F.137 Anglo-Chinese Symposium on proteins and nucleic acids, Oxford, 14-16 July 1982.
- Hodgkin gave a paper on insulin.
- Letter *re* arrangements; programme.

Visits and Conferences

F.138

Visit to Israel and Jordan, April-May 1983.

Hodgkin was in Jordan to lecture and visit the archaeological site at Jerash. She returned to Israel to fulfil a scientific programme based at The Weizmann Institute of Science, Rehovot.

Correspondence *re* arrangements.

Itinerary *re* Rehovot visit.

Letter arising.

F.139

Visit to Bulgaria, May-June 1983.

Hodgkin visited Plovdiv, where she attended a symposium, probably on the subject of vitamin B12.

Letter *re* arrangements; 1p. manuscript notes *re* crystal growth.

F.140

Visit to USSR, June 1984.

Hodgkin was invited by the Institute of Bioorganic Chemistry to attend an International Symposium on 'Frontiers in Bioorganic Chemistry and Molecular Biology', to be held in Moscow and in Alma-Ata, Kazakhstan. After the Symposium she attended the opening sessions of the 16th Federation of European Biological Societies meeting in Moscow before returning to England.

Correspondence *re* arrangements, includes list of participants in Symposium.

F.141

Symposium on modern experimental and theoretical studies of crystal and molecular structure, Manchester, 11-13 September 1984.

The symposium was held to mark the retirement of D.W.J. Cruickshank.

Brief correspondence *re* arrangements.

F.142-F.145

Visit to USA, November 1984.

Hodgkin was invited to the Fox Chase Cancer Center, Philadelphia, to attend a symposium celebrating the 50th anniversary of the Patterson function. She lectured there, giving an account of her own use of the Patterson function.

Before the Patterson symposium Hodgkin probably attended a one-day meeting at Du Pont & Co., Wilmington, Delaware, to discuss future scientific developments in molecular biology. She was also invited to visit Harvard Medical School, but there is no evidence that she did so.

Visits and Conferences

- F.142 Letter *re* arrangements for Patterson symposium; magazine on the Fox Chase Cancer Center, includes programme of lectures at symposium.
- Correspondence arising *re* publication of lecture, includes printed version of Hodgkin's lecture.
- 4pp. notes, probably by J. Glusker, dated '4/7/66'.
- F.143 Draft of Hodgkin's lecture, 'Patterson and Pattersons', *Bibliog.* 170. Includes introduction by J. Glusker, photocopy of letter from A.L. Patterson to Hodgkin dated 13 March 1938.
- F.144 References; figures for paper.
- F.145 Correspondence *re* arrangements for visits to Du Pont and Harvard Medical School.
- F.146 Visit to Brazil, ?1985.
- Hodgkin planned to spend some time in Rio de Janeiro, as a guest of the Brazilian Academy of Sciences.
- One letter only, 17 May 1985, *re* prospective visit to Brazil.
- F.147 Thirtieth International Union of Pure and Applied Chemistry Congress, Manchester, 9-13 September 1985.
- Hodgkin, as an Honorary Fellow of the Royal Society of Chemistry, was invited to the Opening Ceremony and Inaugural Plenary Lecture.
- Brief correspondence *re* arrangements.
- F.148 Visit to USSR, Japan and China, September-November 1985.
- Hodgkin travelled with Elizabeth Hodgkin, her daughter. They stayed in Moscow, and then took the Trans-Siberian Railway to Japan. Hodgkin visited Tsukuba while in Japan and then went alone to Peking, having been invited by the Academia Sinica. She also visited Shanghai and Fuzhou University.
- Correspondence *re* arrangements, February-September 1985.
- Brief correspondence arising; 1p. manuscript notes *re* Fuzhou visit.
- F.149 Visit to Bulgaria, February 1986.
- Letter *re* visa only.

Visits and Conferences

F.150

Visit to USA, May-June 1986.

Hodgkin was invited to attend a symposium on Insulin and the Insulin Receptor at the Medical Foundation of Buffalo, where she was the Ray A. and Robert L. Kroc Distinguished Lecturer, speaking on the structure of insulin. She then gave a seminar at The Upjohn Company, Kalamazoo, Michigan. This was followed by a symposium on Precision and Molecular Structures at the University of Washington, Seattle, where Hodgkin spoke on 'Water structure in insulin'.

Correspondence *re* arrangements, includes schedule of lectures for both symposia.

Correspondence arising, includes photographs from Buffalo visit.

F.151

Visit to USSR and China, September 1986.

Hodgkin was invited to attend an International School on the Structure of Biological Macromolecules at Pushchino, USSR. This was followed by an International Conference on Molecular Structure in Peking, where she gave the Plenary Lecture at the closing session.

Correspondence *re* arrangements, includes list of participants, programme for Peking Conference; manuscript and transcript of lecture, on penicillin.

Letter arising.

F.152

Visit to USA, March 1987.

Hodgkin was invited to give the Founders' Lecture at the Scripps Clinic, La Jolla, California. She gave two lectures, the first being on historical perspectives on x-ray crystallography, and the second on insulin. She then probably spent some time in Buffalo before attending the American Crystallographic Association Meeting at Austin, Texas.

Correspondence *re* arrangements.

Correspondence arising, includes photograph taken at Austin meeting.

F.153

Fourth International Conference on Water and Ions in Biological Systems, Bucharest, 24-28 May 1987.

Hodgkin was invited to lecture at the Conference, her lecture being entitled 'The distribution of water in 2 zinc insulin crystals'. She visited Warsaw prior to the Conference.

Correspondence *re* arrangements, includes programme.

'Instructions for Authors', contributions to volume of Conference Proceedings.

Visits and Conferences

Manuscript draft of lecture, pages missing; manuscript notes.

Correspondence arising *re* publication of proceedings, manuscript draft foreword by Hodgkin.

F.154

Federation of European Biological Societies Advanced Lecture Course. Crystal Growth of Biological Macromolecules, Bischenberg, France, 19-25 July 1987.

Hodgkin was invited to give the opening lecture, on developments in biological crystallography.

Correspondence *re* arrangements.

Correspondence arising.

F.155

International Conference to Celebrate the 40th Anniversary of the Discovery of the Pi Meson, Bristol, 22-24 July 1987.

Letter *re* arrangements.

Conference bulletin, preliminary programme, final programme, list of participants; memorabilia.

Letter arising.

F.156

Visit to USA, 23-28 April 1988.

Hodgkin was invited to give the William J. Reddy Memorial Lecture at the University of Alabama at Birmingham. She spoke on 'A life in crystallography'.

Correspondence *re* arrangements, itinerary, notice of lecture.

Correspondence arising.

F.157

American Crystallographic Association Meeting, Philadelphia, 26 June - 1 July 1988.

Hodgkin was invited to participate in a special Nobel Symposium, along with six other Nobel Laureates, on the topic 'Methods and Applications in Macromolecular Crystallography'. Before this she gave the Jeanne Manery-Fisher Memorial Lecture on 'The x-ray analysis of the structure of insulin, 1935-1972 to the present' at the University of Ottawa.

Correspondence *re* arrangements, programme of meeting.

Correspondence arising.

Typescript and manuscript drafts of Hodgkin's lecture.

Visits and Conferences

- F.158 Summerschool on Crystallography and its Teaching, Tianjin, China, 15-24 September 1988.
- Hodgkin was a member of the Honorary Committee and was invited to lecture at Tianjin University.
- Brief correspondence *re* arrangements, includes programme, 'Travel Schedule'.
- Memorabilia.
- F.159 '25 Jahre Insulinsynthese', Aachen, 23-25 February 1989.
- Hodgkin lectured on 'Memories of the structure analysis of insulin'.
- Correspondence *re* arrangements, includes programme.
- Correspondence arising *re* publication of lecture.
- F.160 Symposium on Crystals and Chemistry, University of California at Los Angeles, 17-20 March 1989.
- The symposium was held in honour of K.N. Trueblood.
- Brief correspondence *re* arrangements; programme.
- F.161 Conference on Insulin Structure, Chemistry and Biology, York, 29 August - 1 September 1989.
- Hodgkin gave a special evening lecture at the conference, held to celebrate the 20th anniversary of the 2 zinc insulin crystal structure determination.
- Programme of lectures; list of participants; photograph of participants.
- F.162 Visit to USA, April 1990.
- Hodgkin attended the 127th Annual Meeting of the National Academy of Sciences, Washington D.C. She then went to Boston to give a paper on 'My Life in Chemistry' at a Symposium on Women in Chemistry.
- Correspondence *re* arrangements.
- Correspondence arising.
- Programme for NAS Meeting.
- Abstracts of papers given at Boston Symposium. Includes paper by P.G. Abir-Am entitled, 'Leadership and Gender in Science. D.C. Hodgkin and the Oxford School of Chemical Crystallography'. See also A.39.

Visits and Conferences

- F.163 Sir Charles Frank 80th Birthday Symposium, Bristol, 15 April 1991.
List of participants; programme of lectures.

Invitations declined

- F.164 1945-59.
- F.165 1960-69.
- F.166 1970-74.
- F.167 1975.
- F.168 1976.
- F.169 1977.
- F.170 1978.
- F.171 1979-80.
- F.172 1981.
- F.173 1982-83.
- F.174 1984-89.
- F.175 Miscellaneous unidentified material *re* visits.

Visits and Conferences

ADDENDUM

Material received too late to present in the main chronological sequence.

F.176

Cobalamin '88. First International Symposium on Biomedicine and Physiology of Vitamin B12, London, 26-29 September 1988.

Hodgkin was invited to attend the symposium as a guest of The Children's Medical Charity. As President of the symposium, she gave the opening address, when she spoke about previous symposia on vitamin B12.

Brief correspondence *re* arrangements.

List of participants; two typescript drafts of the address, with manuscript additions and corrections by Hodgkin.

Brief correspondence arising.

F.177

Canadian International Development Agency / Third World Academy of Sciences Conference on 'The Role of Women in the Development of Science and Technology in the Third World', Trieste, Italy, 3-7 October 1988.

Brief correspondence *re* arrangements.

Newsletter.

F.178

Meeting on 'Crystallisation of Biological Macromolecules', King's College, London, 14 December 1989.

The meeting was organised by the Biological Structures Group of the British Crystallographic Association. Hodgkin was invited to give an introductory talk entitled 'Historical perspective'.

Correspondence *re* arrangements; programme.

F.179

International Symposium. Thomas Addison and his Diseases : 200 Years On, Padua, 20-21 May 1993 and London, 25-27 May 1993.

Hodgkin was a President of the Symposium, and attended the London session, where a special Presidential Symposium was held as a tribute to her.

Letters to Hodgkin *re* arrangements.

Programme; final programme.

Letter arising.

SECTION G

PEACE AND HUMANITARIAN INTERESTS

G.1-G.204

Hodgkin was interested in a wide range of peace and humanitarian causes and made a major commitment to a number of them. Of particular importance were her involvement with Vietnam peace and humanitarian organisations in the 1960s and 1970s and her involvement with the Pugwash movement, of which she was President from 1976 to 1988.

The material is arranged as follows:

G.1-G.156 ORGANISATIONS AND TOPICS

G.1-G.6 J.D. Bernal Peace Library

G.7, G.8 Greenpeace

G.9-G.11 Institute for International Peace Studies

G.12-G.21 Palestine

G.22-G.94 Pugwash Conferences on Science and
World Affairs

G.95-G.105 Russian Dissidents

G.106-G.110 Scientists Against Nuclear Arms (SANA)

G.111-G.113 Society for Anglo-Chinese Understanding
(SACU)

G.114-G.156 Vietnam

G.157-G.165 VISITS AND CONFERENCES

G.166-G.171 LECTURES AND PUBLICATIONS

G.172-G.204 MISCELLANEOUS

Peace and humanitarian interests

ORGANISATIONS AND TOPICS

J.D.Bernal Peace Library

The J.D. Bernal Library was an educational trust established with the full support of Bernal, and inspired by his work. It opened in London in March 1968 as a centre for peace research. Its aim was set out in a publicity leaflet (G.3): 'by the dissemination and exchange of information and through prepared discussion, to make a contribution to solving the problems of peace confronting us.'

Hodgkin was a sponsor of the Library and, in 1971, was elected to the Chair of the Library Board.

- G.1-G.3 General papers and correspondence, 1967-81.
- G.1 1967-70.
- G.2 1971-73, 1976, 1980-81.
- G.3 nd.
- G.4 The J.D. Bernal Peace Library Board.
Minutes and agendas, 1967-72.
- G.5 'J.D. Bernal Peace Library. Report of a Conference on Chemical and Biological Warfare', February 1968.

'Tribute to John Desmond Bernal in his Seventieth year, by artists and scientists.'

'Newsletter', 1971, 1976-77, nd.
- G.6 J.D. Bernal Peace Library Conference on 'The Meaning of the U.K. Aid Programme', 20-21 June 1969.

Conference papers.

Peace and humanitarian interests

Greenpeace

The material relates to a Greenpeace campaign against the expansion of the nuclear power programme in the United Kingdom as an answer to the 'greenhouse effect'.

Hodgkin was one of a group of over 100 scientists who signed a declaration issued by Greenpeace which appeared in the national press.

G.7 Papers and correspondence, 1989.

G.8 Background material.

Institute for International Peace Studies

The Institute was based at the University of Notre Dame, Indiana, USA. A statement of purpose (G.11) described it as: 'a center for multi-disciplinary research and teaching on the critically important questions of peace, justice and violence in contemporary society'. Much of the material relates to the search for a Peace Fellow from the United Kingdom to join an international group on an M.A. course in Peace Studies.

Hodgkin became a member of the International Advisory Board for the Institute in 1986, visiting Notre Dame in October of that year to attend the inaugural meeting of the Advisory Board.

G.9, G.10 General papers and correspondence 1986-89.

G.9 1986 June-September.

G.10 1986 October - 1989, nd.

G.11 Background material.

Manuscript notes by Hodgkin.

Photograph of members of the Advisory Board (identified in G.10).

Peace and humanitarian interests

Palestine

The material is arranged as follows:

- G.12, G.13 Friends of Birzeit University.
G.14-G.16 International Commission of Inquiry into Israeli Crimes
Against the Lebanese and Palestinian Peoples.
G.17, G.18 Newspaper cuttings.
G.19-G.21 Miscellaneous papers and correspondence.

Friends of Birzeit University

Birzeit University was an independent Palestinian university near Jerusalem. The Friends of Birzeit University organisation was a charity established 'to uphold Birzeit's academic work and to uphold its right to academic freedom' (G.12). Hodgkin was a sponsor from 1985.

General papers and correspondence 1980-91.

- G.12 1980-87.
G.13 1988-91, nd.

*International Commission of Inquiry into Israeli Crimes Against the
Lebanese and Palestinian Peoples, Nicosia, 15-16 August 1982*

The Commission was established in response to reports arising from the invasion of Lebanon by Israel in June 1982. Hodgkin was a member of the Presidential Committee of the Commission.

- G.14 List of participants; programme; list of statutes.
'Findings and conclusions of the commission.'
Manuscript notes by Hodgkin.
G.15, G.16 Reports, testimonies. 2 folders.

Newspaper cuttings 1970-89

- G.17 1970-79.
G.18 1980-89.

Peace and humanitarian interests

Miscellaneous papers and correspondence 1974-90

G.19	1974-79.
G.20	1980-83.
G.21	1984-85, 1988-90, nd.

Pugwash conferences on science and world affairs

The Pugwash movement had its origins in the Russell-Einstein Manifesto, issued in July 1955. This called for a conference of international scientists to discuss the dangers of conflict that had arisen from scientific work, with particular reference to the then recently developed hydrogen bomb. The first conference was held in July 1957 in the Canadian town of Pugwash, Nova Scotia, thus giving the movement its name. The conferences became annual events, widening in scope to include development and environmental issues. This paralleled a significant increase in the number of participants.

Hodgkin first attended a Pugwash conference in 1962, but did not involve herself in the movement to any great degree until hesitantly agreeing (G.93) to her election as President at the Madras conference in 1976 (G.39, G.40). From the mid 1960s Hodgkin had been committed to the problem of the war in Vietnam, thus precluding major non-scientific commitments elsewhere. She held the post of President until 1988, and the material documenting her activities here is extensive. Of particular interest is the documentation of the Warsaw conference of 1982 (G.54), which followed the imposition of martial law in Poland.

As President, Hodgkin attended most Council and Executive Committee meetings and presided over the opening sessions of the annual conferences, as well as presiding over and giving the closing address at the final plenary sessions. Typescript or manuscript drafts survive for many of these.

The material is arranged as follows:

G.22-G.35	General papers and correspondence.
G.36-G.66	Conferences.
G.67-G.80	Symposia and workshops.
G.81-G.83	Executive Committee.
G.84-G.87	British Pugwash Group.
G.88-G.94	Miscellaneous.

Peace and humanitarian interests

General papers and correspondence 1962-92

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| G.22 | 1962, 1969, 1975-77. |
| G.23 | 1978. |
| G.24 | 1979. |
| G.25 | 1980. |
| G.26 | 1981. |
| G.27 | 1982. |
| G.28 | 1983. |
| G.29 | 1984. |
| G.30 | 1985. |
| G.31 | 1986. |
| G.32 | 1987 January-August. |
| G.33 | 1987 September-December. |
| G.34 | 1988-92. Includes correspondence <i>re</i> detaining of the Romanian physicist, I. Ursu and Hodgkin's efforts to secure his release. |
| G.35 | nd. |

Peace and humanitarian interests

Conferences 1957-90

- G.36 'Proceedings of the First Pugwash Conference on Science and World Affairs. Pugwash, Nova Scotia, Canada, 7-10 July 1957. Published on the occasion of the 25th Anniversary of Pugwash 1982.'
- 'The Third Pugwash Conference - September 1958. By Professor Dame Kathleen Lonsdale.'
- The third conference was held at Kitzbühel, Austria.
- G.37 Correspondence 1965-66 *re* 1966 conference, held at Addis Ababa, Ethiopia.
- Hodgkin did not attend this conference, but attempted to organise a special session of the Pugwash Conference in Ghana, in order to attract Chinese scientists in view of the special relations which then existed between China and Ghana. Plans for this were cancelled, however, after the fall of the government of Kwame Nkrumah.
- G.38 17th Pugwash Conference, Ronneby, Sweden, 3-8 September 1967.
- Registration form.
- 'Final Report of Working Group 7. "Current Conflicts and their Resolution".'
- G.39, G.40 25th Pugwash Conference, Madras, India, 13-19 January 1976.
- The Conference marked Hodgkin's formal assumption of the office of President of Pugwash.
- G.39 Correspondence *re* arrangements.
- Brief correspondence arising.
- G.40 'Opening Speech by the President of Pugwash.'
- 'Welcoming Address made to the Prime Minister of India, Mrs. Indira Gandhi by the President of Pugwash.'
- Press release. Includes text of Hodgkin's concluding remarks.
- Newspaper cuttings.
- Memorabilia.

Peace and humanitarian interests

- G.41-G.43 27th Pugwash Conference, Munich, West Germany, 24-29 August 1977.
- G.41 Correspondence *re* arrangements.
Correspondence arising.
Typescript of Hodgkin's closing address.
- G.42 Conference papers.
- G.43 Newspaper and magazine articles (in German and French).
- G.44 28th Pugwash Conference, Varna, Bulgaria, 1-5 September 1978.
Letter *re* arrangements.
Typescript of address by Hodgkin.
Correspondence arising.
- G.45 29th Pugwash Conference, Mexico City, 18-23 July 1979.
Minutes of 50th and 51st Sessions of the Pugwash Council.
- G.46-G.51 30th Pugwash Conference, Breukelen, The Netherlands, 20-25 August 1980.
- G.46 Typescript of 'Statement' by Hodgkin.
Typescript of Hodgkin's closing address.
Brief correspondence with Radio della Svizzera Italiana *re* interview Hodgkin gave about the conference. Includes manuscript notes by Hodgkin *re* questions asked in correspondence.
Manuscript notes.
- G.47 52nd and 53rd Sessions of the Pugwash Council. Minutes and agendas.
List of participants at conference.
- G.48-G.51 Conference papers. 4 folders.

Peace and humanitarian interests

- G.52, G.53 31st Pugwash Conference, Banff, Canada, 28 August - 2 September 1981.
- G.52 Brief correspondence *re* arrangements.
Programme.
Manuscript and typescript drafts of Hodgkin's closing remarks.
Newspaper articles.
- G.53 Conference papers.
- G.54 32nd Pugwash Conference, Warsaw, 26-31 August 1982.
Correspondence *re* arrangements, mostly *re* refusal of many Pugwash members to attend the conference, following the imposition of martial law in Poland.
Brief correspondence arising.
Personal statement to the Press by Hodgkin *re* 'the events of August 31st in Warsaw'.
Newspaper cuttings, including letter from Hodgkin and M.M. Kaplan, secretary general of Pugwash, to *The New York Times*, headed 'The Warsaw Pugwash Conference Did Not "Cower" to the Soviets'.
- G.55-G.57 33rd Pugwash Conference, Venice, 26-31 August 1983.
- G.55 'Remarks by Professor Dorothy Hodgkin at the closing session.'
'Report of the Secretary General for 1982-1983.'
List of participants; list of commissioned papers.
Manuscript notes.
Letter arising.
- G.56, G.57 Conference papers. 2 folders.
- G.58 34th Pugwash Conference, Björkliden, Sweden, 9-16 July 1984.
Brief correspondence *re* arrangements.
Minutes of the 63rd Session of the Pugwash Council. Includes programme and analysis of geographical distribution of participants for 35th Conference.

Peace and humanitarian interests

- G.59, G.60 35th Pugwash Conference, Campinas, Brazil, 9-14 July 1985.
- G.59 Programme; list of commissioned papers; list of participants.
Minutes of the 64th and 65th Sessions of the Pugwash Council.
'Report of the Secretary General for 1984-85.'
- G.60 Conference papers.
- G.61 36th Pugwash Conference, Budapest, 1-6 September 1986.

Letter *re* arrangements.

Programme; lists of commissioned papers; lists of participants;
photograph.

Minutes of the 67th Session of the Pugwash Council.
- G.62-G.64 37th Pugwash Conference, Gmunden am Traunsee, Austria, 1-6 September
1987.
- G.62 Brief correspondence *re* arrangements.

Agendas for the 68th, 69th and 70th Sessions of the Pugwash Council;
nominations for new Pugwash Council; list of council decisions.

Programme; list of participants.

Manuscript notes.
- G.63, G.64 Conference papers. 2 folders.
- G.65 38th Pugwash Conference, Dagomys, USSR, 29 August - 3 September
1988.

Programme; list of participants.

Statement of the Pugwash Council on 'Global Problems and Common
Solutions'.

'Messages of Goodwill for the Conference.'

Manuscript draft of Hodgkin's closing speech.

Peace and humanitarian interests

- G.66 39th Pugwash Conference, Cambridge, Massachusetts, 23-28 July 1989.
List of commissioned papers; list of working group topics.
40th Pugwash Conference, Egham, Surrey, 15-20 September 1990.
Statement of the Pugwash Council - 'Towards a Secure World in the 21st Century'; list of participants.

Symposia and workshops 1969-88

Smaller groups met at workshops and symposia to discuss particularly topical problems of international affairs. The material, arranged by year, mostly consists of agendas and lists of participants, with some scattered correspondence.

- G.67 1969, 1973, 1978-79.
G.68, G.69 1980. 2 folders.
G.70 1981.
G.71 1982.
G.72 1983.
G.73 1984.
G.74-G.77 1985. 4 folders.
G.78 1986.
G.79 1987.
G.80 1988.

Executive Committee 1977-88

The Executive Committee approved and implemented decisions of Council, which was responsible for Pugwash policy. It could also act in matters of policy when so authorised (see G.83). Hodgkin, as President, was a permanent member.

Peace and humanitarian interests

- G.81 General papers and correspondence 1978-81, 1985-87, nd.
- G.82, G.83 Minutes and agendas, agenda items 1977-88.
- G.82 1977-85.
- G.83 1986-88, nd.

British Pugwash Group 1979-91

Hodgkin was a member of the Executive Committee from 1980 to 1987.
General papers and correspondence.

- G.84 1979-82.
- G.85 1983-85.
- G.86 1986-87.
- G.87 1988-91.

Miscellaneous 1965-90

- G.88 'Pugwash Newsletter' 1965, 1967, 1974, 1982-90. 1 box.
- G.89 Newspaper cuttings 1970-88.
- G.90 Papers and correspondence *re* award of the Antonio Feltrinelli Prize to the Pugwash Movement, 1987. Includes manuscript and typescript drafts of Hodgkin's acceptance speech, 'Hope for the Future'.
- G.91, G.92 Olympia Prize of the Alexander S. Onassis Public Benefit Foundation, awarded to the Pugwash Movement, 1987, 'for contributions to the preservation of nature or to the safeguarding of our cultural inheritance'.
- G.91 Correspondence.

Peace and humanitarian interests

- G.92 Typescript of Hodgkin's acceptance speech, with manuscript additions and corrections.

 Programme of events; background material.
- G.93 Unidentified manuscript notes and drafts by Hodgkin, nd.
- G.94 Printed and duplicated background material. 1 box.

Russian dissidents

- Papers and correspondence *re* dissident scientists and others, 1972-88.
- G.95 1972-73.
- G.96 1974.
- G.97 1975.
- G.98 1976-77.
- G.99 1978.
- G.100 1979-81.
- G.101 1982.
- G.102 1983.
- G.103 1984.
- G.104 1985.
- G.105 1986-88, nd.

Peace and humanitarian interests

Scientists against nuclear arms (SANA)

The purpose of SANA, as stated at its inaugural conference (G.107), was 'to promote and coordinate the activities of scientists aimed at assisting groups and individuals concerned with halting and reversing the nuclear arms race'.

Hodgkin chaired the opening plenary session of the inaugural conference.

- G.106 General papers and correspondence 1981-87.
- G.107 Inaugural conference, Open University, Milton Keynes, 21-22 March 1981.
Letter *re* arrangements.
Programme; lists of participants; background material.
'Statement of Aims and Functions.'
Newspaper cutting.
- G.108, G.109 International Symposium on Problems and Prospects of Nuclear
Disarmament, London, 21-25 September 1983.
- G.108 Brief correspondence.
Programme; lists of participants; final statement.
Manuscript notes by Hodgkin.
- G.109 Conference papers.
- G.110 Miscellaneous background material.

Society for Anglo-Chinese understanding (SACU)

SACU was founded in 1965: 'to promote friendship and understanding between the British and Chinese peoples'. (G.113).

Hodgkin was a sponsor of the organisation from its foundation.

Peace and humanitarian interests

- G.111, G.112 General papers and correspondence 1965-86.
- G.111 1965-67, 1969, 1972-73. Includes lists of sponsors, 1965.
- G.112 1974-75, 1980-81, 1984-86.
- G.113 Miscellaneous background material.

Vietnam

Hodgkin's concern about the war in Vietnam led to her involvement in a number of organisations seeking to provide humanitarian aid. The most important of these was the Medical Aid Committee for Vietnam, of which she was made Vice-President in 1965, becoming President in 1971. There is extensive documentation of her activities within the Committee.

As President, Hodgkin visited North Vietnam in 1971 and in 1974; only a little material relating to these visits survives (G.144, G.145).

The material is arranged as follows:

- G.114-G.121 General papers and correspondence.
- G.122-G.136 Medical Aid Committee for Vietnam.
- G.137 World Federation of Scientific Workers:
 Scientists' Appeal for Vietnam.
- G.138-G.141 International Commission of Enquiry into US Crimes in
 Indochina.
- G.142, G.143 British Hospital for Vietnam.
- G.144-G.156 Miscellaneous.

General papers and correspondence 1965-93

- G.114 1965-69. Includes correspondence with Bertrand Russell *re* War Crimes
 Tribunal.
- G.115 1970-71.
- G.116 1972.

Peace and humanitarian interests

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|-------|-------------------------|
| G.117 | 1973-75. |
| G.118 | 1978-79. |
| G.119 | 1980. |
| G.120 | 1984-85, 1987-90, 1993. |
| G.121 | nd. |

Medical Aid Committee for Vietnam 1965-89

The Medical Aid Committee for Vietnam was founded in 1965. Its initial aim was to send 'medical aid to the areas where the bombs were falling, and the casualties highest - the National Liberation Front areas of South Vietnam'. It extended its terms of reference in 1966 to include 'requests for medical aid from the Red Cross Society of the Democratic Republic of Vietnam in Hanoi'. It continued to work in South East Asia after 1979 as Medical and Scientific Aid for Vietnam, Laos and Kampuchea, concerning itself with providing 'scientific aid in relation to medical research'. (G.127).

In 1965 Hodgkin was asked to become President by Joan McMichael, Honorary Secretary of the Medical Aid Committee. She declined, however, on the grounds that she was spending time in Ghana, where Thomas Hodgkin was setting up an institute of African studies, and that the President ought to be in England to support McMichael. Instead Hodgkin agreed to serve as Vice-President until 1971, when she became President.

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|-------------|---|
| G.122-G.131 | General papers and correspondence 1965-89. |
| G.122 | 1965-69. |
| G.123 | 1970-71. |
| G.124 | 1972. Includes letter to <i>The Times</i> written by Hodgkin and dated 29th December. |
| G.125 | 1973-75. |
| G.126 | 1976-77. |

Peace and humanitarian interests

- G.127 1978-79. Includes an historical account of the Medical Aid Committee for Vietnam.
- G.128 1980-81.
- G.129 1983-87.
- G.130 1988-89. Includes Hodgkin's obituary of McMichael, *The Guardian*, 16 August 1989, with manuscript and typescript drafts.
- G.131 nd. Includes manuscript notes by Hodgkin, photographs, newspaper article (in Hungarian).
- G.132-G.135 Minutes and agenda 1965-85.
- G.132 1965, 1967-69.
- G.133 1970-72.
- G.134 1973-76.
- G.135 1977-78, 1980-81, 1985.
- G.136 'News Bulletin', 1968-89. Not a complete sequence. 1 box.

***World Federation of Scientific Workers:
Scientists' Appeal for Vietnam 1967-68, 1971***

The WFSW launched two appeals, in 1967 and in 1971, for donations to replace scientific equipment lost in North Vietnam during the war.

Hodgkin was a sponsor of both appeals.

- G.137 Papers and correspondence 1967-68, 1971.
- List of names of people invited to sponsor the [?1967] appeal; list of donations.

Peace and humanitarian interests

***International Commission of Enquiry into US Crimes in Indochina
1969-75***

The Commission was established at the 5th Stockholm Conference on Vietnam in March 1970. Its task, as set out in G.138, was to: 'deal with ... crimes of aggression against the fundamental national rights of the Indochinese peoples ... to gather and evaluate evidence of the crimes committed by the United States ... and to place this material at the disposal of world opinion.' It organised a series of hearings and conferences, the meeting in Copenhagen in October 1972 being particularly well documented here.

Hodgkin was one of the Deputy Chairmen of the Commission.

- G.138 5th Stockholm Conference on Vietnam, 28-30 March 1970.
- Correspondence *re* arrangements.
- Report on conference.
- Correspondence arising.
- G.139, G.140 International Commission of Enquiry into US Crimes in Indochina, Third Session, Copenhagen, 10-16 October 1972.
- G.139 Letter *re* arrangements.
- Programme; 'Statement at the opening session' by H. Göran Franck, Secretary General; list of participants; draft of concluding statement, with manuscript additions and corrections by Hodgkin; photographs.
- G.140 Conference papers.
- 'Home for Christmas.' Manuscript and typescript drafts of lecture given by Hodgkin. The lecture discusses the findings of the Copenhagen Commission and Hodgkin's visit to Vietnam in 1971 (G.144, G.145).
- G.141 Miscellaneous papers and correspondence 1969-75.
- Manuscript notes by Hodgkin.
- Newspaper articles.

Peace and humanitarian interests

British Hospital for Vietnam 1974-77

The British Hospital for Vietnam project proposed to build a hospital in the district of Ky Anh in North Vietnam. It launched an appeal to raise the necessary funds in September 1975.

Hodgkin was an Honorary Vice-President of the project.

G.142 General papers and correspondence 1974, 1976-77.

G.143 Minutes and agendas 1974-77.

Miscellaneous

G.144, G.145 Hodgkin's visits to Vietnam, 1971, 1974.

G.144 Correspondence *re* arrangements for 1971 visit.

Manuscript notes by Elizabeth Hodgkin, daughter; memorabilia.

Correspondence arising.

Brief correspondence arising from 1974 visit.

Memorabilia.

'Le Miracle Vietnamien.' Typescript draft of article arising from visit, probably by Thomas Hodgkin, [?1971].

G.145 Photographs from 1971 visit, some annotated.

G.146 Hodgkin's manuscript and typescript notes and drafts, nd.

'A plea against slaughter', *The Times*, 20 March 1971; correspondence arising.

'Bombs over Thanhhoa', *New York Times*, 7 January 1972; letter arising.

G.147, G.148 Communiqués sent to Hodgkin by the Commission for Investigation of the U.S. Imperialists' War Crimes in Vietnam, 1971-72.

G.147 1971.

Peace and humanitarian interests

- G.148 1972.
- G.149 Papers and correspondence *re* role of the Jason Division of the Institute of Defense Analysis in Vietnam, 1972-73.

The Jason Division was a group of leading American scientists who met to work on national security matters.
- G.150, G.151 Press releases and correspondence from the Vietnamese Embassy in London, 1980-89.
- G.150 1980-81.
- G.151 1986, 1988-89.
- G.152, G.153 Newspaper and magazine articles, 1966-89.
- G.152 1966-74.
- G.153 1975-81, 1989, nd.
- G.154, G.155 'The Vietnam Courier' 1967-85.

A newspaper published in North Vietnam.
- G.154 1967-74.
- G.155 1975-81, 1985.
- G.156 'South Vietnam. In Struggle.' 1971.

A newspaper published by the South Vietnam National Front for Liberation.

Peace and humanitarian interests

VISITS AND CONFERENCES

- G.157, G.158 'Science and Peace: The Nobel Laureates Answer', Paris, 26-28 October 1983.
Hodgkin gave a lecture on 'Science confronts Morality'.
- G.157 Programme; background information; poster advertising the event.
- G.158 Typescript and manuscript drafts of lecture.
Memorabilia.
- G.159, G.160 'Symposium on Sarvepalli Radhakrishnan and World Unity', New Delhi, 24 March 1986.
Hodgkin arrived in India on 20 March, lecturing the next day at the National Physical Laboratory, Delhi. She was one of three speakers at the Radhakrishnan symposium, organised to commemorate the life and ideas of the former President of India. On March 25th she lectured in Bangalore on 'Recent discussions within the Pugwash movement on disarmament', returning to England the next day.
- G.159 Correspondence *re* arrangements, May 1985 - February 1986.
Brief correspondence arising.
- G.160 Typescript draft of lecture at symposium, entitled 'Radhakrishnan'.
Manuscript draft of Bangalore lecture; manuscript notes.
Itinerary; notice of Bangalore lecture; invitation to symposium; newspaper cutting.
- G.161 International Scientists' Peace Congress, 'Ways out of the Arms Race', Hamburg, 14-16 November 1986.
Hodgkin was a member of the Advisory Committee.
Correspondence *re* arrangements, December 1985 - November 1986.
Correspondence arising, December 1986, March-April 1989, *re* publication of proceedings.
List of members of the Advisory and Organising Committees, and of speakers.
Manuscript notes by Hodgkin.

Peace and humanitarian interests

- G.162 'A UNESCO Round Table for the Celebration of the International Year of Peace', Paris, 15-16 December 1986.
Brief correspondence *re* arrangements.
Conference papers.
Letter arising.
- G.163 'Congress of Intellectuals for a Peaceful Future of the World', Warsaw, 1986.
List of participants only.
- G.164, G.165 International Forum of Scientists for a Test Ban, Moscow, 14-16 February 1987.
Hodgkin was invited to participate in the Forum by the Academy of Sciences of the USSR. There are references to a similar meeting in 1986, but there is no evidence that she participated.
- G.164 Correspondence *re* arrangements, 1986, nd.
Letter arising.
- G.165 'Declaration' of participants of 1986 meeting; paper from 1987 meeting.
Photograph; manuscript notes (author unknown).
Memorabilia.

LECTURES AND PUBLICATIONS

See also G.158 and G.160.

- G.166 'A Writing for Mahatma Gandhi.' Gandhi Centenary Commemoration Volume, Gandhi Peace Foundation, 1968.
Hodgkin was invited by the National Committee for the Gandhi Centenary, New Delhi, to write an article for a volume commemorating the birth centenary of Mahatma Gandhi.
Correspondence, August 1967 - April 1968.
Typescripts, with manuscript additions and corrections by Hodgkin; manuscript notes.

Peace and humanitarian interests

- G.167, G.168 'On Making Peace Possible.' Sophia Lecture, Newcastle upon Tyne, 22 October 1981.
- G.167 Correspondence *re* arrangements, January 1979, 1980.
Notice of lecture; 'Guest List for Dinner Party'.
Brief correspondence arising *re* publication of lecture in the journal *Co-Existence*.
- G.168 Typescript draft, with manuscript additions and corrections by Hodgkin; list of corrections to be made.
Manuscript notes.
Reprint of lecture in *Co-Existence*, vol.19, no.1, April 1982.
- G.169 'Shrimati Indira Gandhi.'
Manuscript draft [? of lecture] only, nd.
- G.170, G.171 Unidentified manuscript notes by Hodgkin *re* lectures, nd. 2 folders.

MISCELLANEOUS

The material is arranged as follows:

- G.172-G.199 Papers and correspondence.
G.200-G.202 Newspaper and magazine cuttings.
G.203, G.204 Printed and duplicated material.

Papers and correspondence 1952-91

A chronological sequence of shorter papers and correspondence with individuals and organisations.

- G.172 1952-72.
G.173 1973.
G.174 1974-76.

Peace and humanitarian interests

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| G.175 | 1977-79. |
| G.176 | 1980. |
| G.177 | 1981 January-May. |
| G.178 | 1981 June-December. |
| G.179 | 1982. |
| G.180 | 1983 January-October. |
| G.181 | 1983 November, December. |
| G.182 | 1984 January-August. |
| G.183 | 1984 September-December. |
| G.184 | 1985 January-May. |
| G.185 | 1985 June-August. |
| G.186 | 1985 September-December. |
| G.187 | 1986 January-April. |
| G.188 | 1986 May-August. |
| G.189 | 1986 September-December. |
| G.190 | 1987 January-April. |
| G.191 | 1987 May-August. |
| G.192 | 1987 September-December. Includes typescript and manuscript draft of 'Prospects for Peace' by Hodgkin. |

Peace and humanitarian interests

- G.193 1988 January-August.
- G.194 1988 September-December.
- G.195 1989 January-June.
- G.196 1989 July-December.
- G.197 1990-91.
- G.198, G.199 nd. 2 folders.

Newspaper and magazine cuttings, 1954-90

- G.200 1954-55, 1962, 1976-80.
- G.201 1981-83.
- G.202 1984-88, 1990, nd.

Printed and duplicated material

- G.203, G.204 2 boxes.

SECTION H

CORRESPONDENCE

H.1-H.331

H.1-H.262 GENERAL SCIENTIFIC CORRESPONDENCE

In alphabetical order with an indication of any information of particular biographical, historical or scientific interest.

Hodgkin kept together by topic much of the scientific correspondence relating to her principal research projects, and this correspondence is to be found in Section B Research.

H.263-H.306 SHORTER SCIENTIFIC CORRESPONDENCE

In chronological order.

H.307-H.331 REFERENCES AND RECOMMENDATIONS

In chronological order.

Correspondence

- H.32-H.34 Bragg, W.L. various dates 1942-76
- H.32 1942, 1945-49.
- H.33 1954-57, 1959, 1965. Bragg's letter of 6 May 1955 is 'a wild proposal which you will turn down right away' for Hodgkin to come and work at the Royal Institution, London.
- H.34 1969-71, 1976. Material *re* Bragg Symposium 1970, obituary, reviews, correspondence *re* Bragg papers at the Royal Institution, London. Bragg died in 1971.
- H.35 Brehm, V.E.L. 1968-72
- Brehm came from the Danish Farmaceutiske Højskola, Copenhagen to do x-ray structural work on compounds of biological interest in Hodgkin's laboratory.
- Arrangements to work in Oxford.
- H.36 Brink, C. 1949-50, 1952-53
- Brink came from Leiden to do postdoctoral research in Hodgkin's laboratory.
- H.37 Brodsky, B. née Doyle 1976-77
- Brodsky came from the Rutgers Medical School, New Jersey to work on a crystal structure in Hodgkin's laboratory.
- H.38 Bunn, C.W. 1949-55, 1969, 1973
- Bunn was an ICI industrial chemist who invented the fly's eye technique in x-ray analysis.
- For earlier correspondence *re* his collaboration with Hodgkin in penicillin structure analysis see B.341-B.344, B.375.
- Research; computer applications in crystal analysis; recommendation.

Correspondence

- H.39 Candeloro De Sanctis, S. 1966-75, 1987, 1991
- Candeloro came from the Istituto Superiore di Sanità, Rome with a scholarship from the Italian National Research Council to work in Hodgkin's laboratory. She collaborated in the structure analysis of feroverdin.
- Arrangements to work in Oxford; research; publications.
- H.40 Carlisle, C.H. 1948-58, 1968, 1976, 1980
- Carlisle was a research student of Hodgkin at Oxford working on the crystal structure of cholesteryl iodide. He subsequently made his career at Birkbeck College London succeeding J.D. Bernal in the Chair of Crystallography at Birkbeck in 1968.
- Research; Institute of Physics X ray Analysis Group (XRAG); recommendation.
- Includes 'Synopsis of remarks by Prof. J.D. Bernal' at autumn meeting of XRAG, 1952.
- H.41 Chain, E.B. 1945, 1954, 1962
- Research.
- 1945 letter includes Chain's reaction to award of the Nobel Prize in Medicine (with Fleming and Florey) for work on penicillin.
- H.42-H.46 Chaudhury, A.M. 1973-79
- Chaudhury was Vice-Chancellor and Professor of Physics at the University of Dacca who visited Hodgkin's laboratory in June 1973 as part of a programme arranged by the British Council. He subsequently fell foul of the military regime in Bangladesh and was charged with corruption, spending a period in prison, before coming to Oxford as non-stipendiary Visiting Fellow of Wolfson College. Hodgkin made strenuous efforts on Chaudhury's behalf including financial provision for the Wolfson Fellowship.
- Principally *re* Chaudhury's difficulties with the Bangladesh authorities and efforts to enable him to take up the Wolfson Fellowship.
- H.42 1973-75.
- H.43 1976 January-June.

Correspondence

- H.44 1976 July-December.
- H.45 1977-79.
- H.46 Photocopied and printed background material. Includes copies of documents in the martial law case against Chaudhury, and newsheets published in London by opponents of the military regime in Bangladesh.
- H.47 Chibnall, A.C. 1942, 1947, 1980
Chibnall was the Sir William Dunn Professor of Biochemistry at Cambridge 1943-49.
Includes copy of Chibnall's Bakerian Lecture on 'Amino acid analysis and the structure of protein' 1942.
- H.48 Cochran, W. 1950-1956, 1966
Cochran was based at the Crystallographic Laboratory, Cavendish Laboratory, Cambridge and the University of Glasgow.
- H.49 Cook, J.W. 1934
Cook was based at the Research Institute, The Cancer Hospital (Free), Fulham Road, London.
re paper on the pentacyclic aromatic hydrocarbon from cholesterol.
Includes copy of paper and letter from Cook to Bernal.
- H.50 Cooper, A. 1961, 1965-69
Cooper came from the University of New South Wales to undertake D.Phil. research in Oxford under Hodgkin's supervision.
Research; recommendations; publication.
- H.51 Coppola, J.C. 1958-59
re possible D.Phil. work with Hodgkin at Oxford. In the end Coppola went to University College London to work with Kathleen Lonsdale (q.v.).

Correspondence

- H.52-H.54 Cornforth, J.W. various dates 1945-89
- Cornforth was a research student of Sir Robert Robinson in Oxford who subsequently worked at the National Institute for Medical Research, London, "Shell" Research Limited and the University of Sussex. He was awarded the 1975 Nobel Prize in Chemistry (jointly) for his work on the stereochemistry of enzyme-catalyzed reactions.
- Research.
- H.52 1945-1957. Includes manuscript draft on 'The crystallographic investigation of some phenol formaldehyde polymers' dated Oxford August 1953.
- H.53 1961-63, 1976, 1989.
- H.54 Manuscript data, x-ray photographs etc.
- H.55 Coulson, C.A. various dates [1947]-1974
- Coulson was Rouse Ball Professor of Mathematics 1952-72 and Professor of Theoretical Chemistry 1972-74, Oxford University.
- 1974 material relates to organisation of commemorative appeal after Coulson's death that year.
- H.56 Coulter, C.L. 1968-75
- Coulter was based at the Department of Anatomy, University of Chicago where he carried out research on a monophosphate derivative of vitamin B12. He spent a sabbatical year in Oxford 1970-71.
- Research; publication; recommendations.
- H.57, H.58 Cox, E.G. 1936-37, 1946-56, 1960, nd
- Cox was based at the Chemistry Department, University of Leeds. He subsequently became Secretary of the Agricultural Research Council.
- H.57 1936-37. Principally *re* joint report on crystallography for inclusion in Annual Reports of The Chemical Society.
- H.58 1946-56, 1960, nd.
- 1954 correspondence *re* computing for Hodgkin's vitamin B12 work.

Correspondence

- H.59 Cruickshank, D.W.J. 1954, 1957, 1966, 1969-77
- Cruickshank was a member of E.G. Cox's Department at Leeds University (see H.58). He subsequently held Chairs at Glasgow University and the University of Manchester Institute of Science and Technology.
- 1954 letter is *re* computing for Hodgkin's vitamin B12 work.
- H.60 Cutfield, J.F. 1969-76
- Cutfield came from the University of Auckland to do postdoctoral research in Hodgkin's laboratory. He returned to New Zealand to a post at the University of Otago.
- Arrangements to work in Oxford; recommendations.
- H.61 Cutfield, S.M. 1970-71, 1975-76
- Susan Cutfield came to Oxford with her husband J.F. Cutfield (see H.60) to work as a research assistant in Hodgkin's laboratory. She subsequently became an advanced student working under Hodgkin's supervision for the D.Phil. degree.
- Arrangements to work in Oxford; research; recommendation.
- H.62 Dale, D.H. 1957-59, 1966, 1969, 1972
- Dale came from Rhodes University, South Africa to do D.Phil. research with Hodgkin 1958-62. He subsequently worked at the UK Atomic Energy Research Establishment before moving to Australia.
- Arrangements to work in Oxford; research; recommendations.
- H.63 Dale, H.H. 1944, 1965
- Dale was a British physiologist best known for his work on the chemical transmission of nerve impulses for which he was awarded (jointly) the 1936 Nobel Prize in Medicine.
- 1944 letters relate to use of x-ray tube in laboratory at the Royal Institution, London.
- H.64 Dargay, J.M. 1970-75
- Dargay came from Drexel University, Philadelphia to do D.Phil. research with Hodgkin in Oxford.
- Arrangements to work in Oxford; progress report; recommendation.

Correspondence

- H.65 Darwin, C. 1949-50
Darwin moved from Oxford to work in A.L. Patterson's laboratory at the Institute for Cancer Research, Fox Chase, Philadelphia.
Recommendation; impressions of Patterson's laboratory and life in the USA generally; Conference on the Solid State at Brooklyn Polytechnic Institute; research.
- H.66 Dauben, W.G. 1951, 1954, 1961
Dauben was based in the Department of Chemistry, University of California, Berkeley.
Suprasterol.
- H.67 Davies, H. 1972, 1984
re crystallographic study of a compound for Biorex Laboratories.
- H.68 Delbaere, L. 1968-69, 1972-73, 1977
Delbaere came from the University of Manitoba, Winnipeg to do postdoctoral research in Oxford supported by the National Research Council of Canada.
Arrangements to work in Oxford; recommendation.
- H.69 Dhar, N.R. 1969
Dhar was based at the Sheila Dhar Institute of Soil Science, University of Allahabad, India.
Principally letters from Dhar with details of his biography and agricultural research.
- H.70 Dietrich, H. von 1957-59
Dietrich came from the Chemical Institute of the University of Heidelberg to do postdoctoral research in Hodgkin's laboratory supported by the Rockefeller Foundation.
Arrangements to work in Oxford; publications.

Correspondence

- H.83 [1930s], 1940-41. Includes 'Some x-ray diffraction measurements on biotin' by Fankuchen.
- H.84 1944-49, 1955-58. Includes carbon of letter from Fankuchen to J.D. Bernal, 12 December 1945.
- H.85 1962-68. Includes reprint of 'Memorial of Isidor Fankuchen' by J.D.H. Donnay (q.v.). Fankuchen died in 1964.
- H.86 Ferguson, G. 1961, 1965-66
Ferguson came from Glasgow to do postdoctoral research in Hodgkin's laboratory. He worked for a year on monoclinic insulin before returning to Glasgow.
Includes recommendation.
- H.87 Freeman, H.C. 1965-66, 1969, 1974
Freeman was an x-ray crystallographer in the Chemistry Department, University of Sydney.
Includes recommendation.
- H.88 Friedmann, E. 1936, 1944
Friedmann was based at the Biochemistry Laboratory, Cambridge.
- H.89 Ganguly, A.K. 1973-74
Ganguly was based at the Schering Corporation, Bloomfield, New Jersey.
Structural elucidation of Schering antibiotics using x-ray crystallography.
- H.90-H.92 Glusker, J. née Pickworth 1953-57, 1966-80, 1984, 1987
Glusker was a student of Hodgkin's at Oxford working for her D.Phil. degree on a degradation product of vitamin B12. She then did postdoctoral research at the California Institute of Technology, Pasadena subsequently making her career at the Institute for Cancer Research, Fox Chase, Philadelphia.
Research and career.

Correspondence

- H.90 1953-57. Includes recommendation.
- H.91 1966-73. Includes recommendations.
- H.92 1974-80, 1984, 1987. Includes recommendation.
- H.93 Gopal, S. 1974, 1977-78, 1985-86
Gopal's letter of 9 February 1985 refers to the planning of a seminar on his father Radhakrishnan's contribution to philosophy, religion, public affairs and world unity. See also G.159, G.160.
Folder also includes a little correspondence 1977-78 with Gopal's nephew G. Desiraju about the possibility of his doing some work at the Chemical Crystallography Laboratory, Oxford.
- H.94 Gowenlock, B.G. 1955-59, 1966, 1984
Gowenlock was based at University College Swansea when he approached Hodgkin about dimeric nitrosomethane crystallography.
- H.95 Grdenic, D. various dates 1956-87
Grdenic, who worked in Hodgkin's laboratory for a period preceding the correspondence, was based at the Laboratory of General and Inorganic Chemistry, University of Zagreb. He was one of the co-authors of a paper on the structure of feroverdin with Hodgkin (*Bibliog.* 143).
- H.96 Greenaway, F. 1953, 1958, 1960
Greenaway was based at the Science Museum London.
Museum exhibits including vitamin B12 models.
- H.97 Guss, J.M. 1967-71
Guss approached Hodgkin from the University of Sydney about first D.Phil. research and then postdoctoral research with her in Oxford. In the event he worked for his Ph.D. in Sydney and carried out postdoctoral research at Sheffield and Sussex Universities.
- H.98 Hardgrove, G.L. 1960-65
Hardgrove was based at St. Olaf College, Northfield, Minnesota.
Suprasterol research; sabbatical year in Oxford 1965-66.

Correspondence

- H.99 Harding, M.M. née Aitken 1968-72, 1979, 1982
- Harding was a student at Somerville College Oxford who did D.Phil. research with Hodgkin. She subsequently made her career at Edinburgh and Liverpool Universities.
- Includes cv.
- H.100 Harker, D. 1950-51, 1957, 1968, 1977
- Harker was Director of The Protein Structure Project at the Polytechnic Institute of Brooklyn, New York.
- Research; recommendation.
- H.101 Harrison, H.R. 1966-70, 1973, 1981
- Harrison came from Yale to do D.Phil. research in Hodgkin's laboratory supported by a Marshall Scholarship.
- Includes recommendations.
- H.102 Harrison, P.M. née Cowan [1950s], 1955-59, 1968-78, 1991
- Harrison studied chemistry with Hodgkin in Oxford and then researched there on ferritin and at King's College London on fibrous proteins. She subsequently made her career at the University of Sheffield.
- Research and career.
- Includes 'outline programme of work on ferritin and apoferritin' 1957 and recommendations.
- H.103 Haworth, R.D. 1937-38
- Haworth was based at Armstrong College, Newcastle (University of Durham).
- Examination by x-ray crystallography of specimens sent to Hodgkin by Haworth.
- H.104 Hodder, O.J.R. 1970-71, 1975
- Hodder was an Oxford chemical crystallographer with a particular interest in computer programmes for structure analysis.
- Includes recommendations.

Correspondence

H.136 1942-45, 1948-53, 1958, 1960.

H.137 1965, 1968, 1972-73, 1976-77, 1983, 1986, 1988, 1991.

H.138-H.140 Lonsdale, K. 1943-60, 1966, 1970

Lonsdale was an x-ray crystallographer based at the Royal Institution, London moving to University College London in 1946.

Research; publications; visits.

H.138 1943-45.

H.139 1946-1951.

H.140 1954-56, 1959-60, 1966, 1970.

H.141-H.143 Low, B.W. 1943-58, 1971

Low was one of Hodgkin's students at Oxford and worked with her on the structure of penicillin. She went to work in Linus Pauling's department at the California Institute of Technology, Pasadena 1946-47 and subsequently made her career in the USA.

Research; publications; career.

H.141 1943-47. Includes recommendations.

H.142 1948-49.

H.143 1950-58, 1971. Includes recommendations.

H.144 Lowe, G. 1972-73

Lowe was based at the Dyson Perrins Laboratory, Oxford.

Research.

H.145 Lüttke, W. 1955-56

Lüttke was based at the Physical Chemistry Institute, Freiburg.

Research.

Correspondence

- H.159 1968-71. Arrangements to work in Oxford; research proposal; recommendations; cv.
- H.160 1973-78, 1985, 1989. Recommendations; grant application; cv etc.
- H.161 Milledge, H.J. 1956, 1970-73
Milledge was an x-ray crystallographer who worked with Kathleen Lonsdale (q.v.) at University College London.
Includes recommendations.
- H.162 Mills, O.S. 1963, 1965, 1974-75
Mills was an x-ray crystallographer based at the University of Manchester.
Includes recommendations.
- H.163, H.164 Moore, F.H. various dates 1963-83, nd
Moore came from the University of Auckland and, after a period as a researcher at Harwell, worked for his D.Phil. with Hodgkin at Oxford and B.T.M. Willis at Harwell on a neutron diffraction study of vitamin B12. He subsequently made his career at the Australian Institute of Nuclear Science and Engineering.
Research and career.
- H.163 1963-65. Includes 'Summary of proposals for future work', progress report 1965, recommendations and cv.
- H.164 1966-67, 1970, 1972, 1974-76, 1983, nd. Includes recommendations.
- H.165 Murray-Rust, P. 1963, 1966, 1969, 1972, 1989
Includes recommendations.
- H.166 Needham, D.M.M. and Needham, J. various dates 1944-88
Includes 'Memorandum on the health of Dr Dorothy Needham FRS', 1985.
- H.167 Neuberger, A. various dates 1934-76

Correspondence

- H.174-H.176 Patterson, A.L. various dates 1938-83
- In a letter of 20 October 1966 (H.174) Hodgkin described Patterson as the person 'who had made the most difference to x-ray crystallographic studies after the initial discoveries in 1912-15 of x-ray diffraction and structure analysis'. In her opinion his 1935 paper 'A direct method for the determination of the components of interatomic distances in crystals' had been 'used in the solution of the vast majority of crystals studied anywhere since 1935'.
- Patterson who was head of the Department of Molecular Structure at the Institute of Cancer Research, Fox Chase, Philadelphia died in November 1966.
- H.174 1938, 1948-49, 1951, 1953, 1956, 1958, 1966. Includes obituaries.
- H.175 1969-70, 1980, 1983. Correspondence 1969-70 is with Patterson's widow *re* visit to Philadelphia to lecture. Correspondence 1980, 1983 is *re* A.L. Patterson award of the American Crystallographic Association.
- H.176 'A.L. Patterson : Experiences in Crystallography - 1924 to date'. 13pp typescript autobiographical account.
- H.177, H.178 Pauling, L.C. various dates 1946-91
- Pauling was an American theoretical chemist and biologist who received the 1954 Nobel Prize in Chemistry for his work on intermolecular forces. He was also awarded the 1962 Peace Prize.
- H.177 1946-60. Includes 'The road to Stockholm' presented by the Chemistry and Biology Stock Company, 3 December 1954, California Institute of Technology, Pasadena. This dramatic production marked the award of the 1954 Nobel Prize in Chemistry.
- H.178 1965-91.
- H.179 Pepinsky, R. 1949-50, 1953, 1957-58
- Pepinsky was based at the Alabama Polytechnic Institute, Auburn and from October 1949 the Pennsylvania State College. He was a pioneer in the use of the electronic computer in the analysis of x-ray crystallographic data.
- Research; visits.
- Includes 'tentative' programme for Conference on computers and the phase problem in x-ray analysis, Pennsylvania State College, 6-8 April 1950.

Correspondence

- H.180-H.183 Perutz, M.F. various dates 1939-92, nd
- Perutz was the Cambridge x-ray crystallographer who was awarded the 1962 Nobel Prize in Chemistry jointly with J.C. Kendrew for their research into the structure of globular proteins.
- H.180 1939-49, 1955, 1958. Includes 'Summary report on researches into the crystal structure of haemoglobin 1st July 1943 - 1st August 1944'.
- H.181 1964, 1972-80. Includes article on origins of molecular biology and review.
- H.182 1981-89, 1992. Includes reviews.
- H.183 Nd. Undated correspondence and drafts. Includes untitled draft 'account of protein structure from the Xray side' and 'Enemy alien', Perutz's account of his Second World War experiences. Some of the correspondence is on Crystallographic Laboratory, Cambridge, Cavendish Laboratory, Cambridge and Peterhouse, Cambridge headed notepaper.
- H.184 Phillips, D.C. 1955-65, 1972
- Phillips was based at the National Research Council, Canada and the Royal Institution, London before moving to Oxford in 1967 as Professor of Molecular Biophysics.
- Research and career.
- H.185 Pope, G.S. 1955, 1973, 1980
- Pope was based at the National Institute for Research in Dairying, Reading.
- Research; recommendation.
- H.186 Prasad, J.S. 1975, 1977
- Prasad came from the Physics Department, University of Mysore to work in the Chemical Crystallography Laboratory, Oxford supported by a Commonwealth Academic Staff Fellowship.
- Arrangements to work in Oxford; letters of thanks.

Correspondence

- H.201-H.203 Robinson, R. various dates 1935-67, 1970-75
- Robinson was Waynflete Professor of Chemistry at Oxford University, 1930-55. He was awarded the 1947 Nobel Prize in Chemistry for his work on plant products of biological importance, especially alkaloids.
- H.201 1935, 1940, 1945, 1947, 1955-58, 1960, 1964, 1967.
- H.202 1970-75. Includes Hodgkin's 'Memories of Robert Robinson' prepared for tape recorded discussion between Hodgkin and Robinson.
- H.203 Transcript of tape recorded discussion.
- H.204 Rogers, D. 1956, 1966, 1968, 1976
- Rogers was based at University College Cardiff in 1956. He subsequently became Professor of Chemical Crystallography at Imperial College London.
- H.205 Rollett, J.S. 1949, 1954-55, 1967
- Rollett did his Ph.D. research at the University of Leeds and then postdoctoral research at the California Institute of Technology, Pasadena returning to the UK to work with Hodgkin at Oxford.
- H.206 Rosenheim, O. 1934-41
- Rosenheim was based at the National Institute for Medical Research, London.
- The first letter in the correspondence is addressed to J.D. Bernal.
- Research and publications.
- H.207 Rossman, M.G. 1957, 1972, 1977, 1989
- Rossman was an American x-ray crystallographer who collaborated with Hodgkin on insulin research.
- Includes recommendations.
- H.208 Rumanova, I.M. 1966-67, 1969-73
- Rumanova was based at the Academy of Sciences of the USSR Institute of Crystallography, Moscow.
- Proposed visit to Oxford.

Correspondence

- H.209 Rumball, S. née Sheat 1965-67, nd
- Rumball came from the University of Auckland to do postdoctoral research in Hodgkin's laboratory. She worked on the cadmium complex of insulin.
- Includes recommendations.
- H.210 Sabesan, M.N. 1970-80
- Sabesan came from the University of Madras to do postdoctoral research in Hodgkin's laboratory.
- Includes thesis report; recommendations; cv.
- H.211, H.212 Sakabe, N. and Sakabe, K. 1972-84, nd
- The Sakabes (husband and wife) came from Nagoya University to work in Hodgkin's laboratory as part of an exchange agreement between the Royal Society and Japan. They worked on the refinement of the crystal structure of insulin.
- Arrangements to work in Oxford; research and publication.
- H.211 1972-75.
- H.212 1976-84, nd. Includes recommendation.
- The undated correspondence relates to the insulin research carried out during the Sabakes' stay in Oxford and gives some indication of the working relationship between Hodgkin and her collaborators at this time.
- H.213 Sasvári, K. 1970-71, 1976, 1987
- Sasvári was a Hungarian crystallographer based in 1970 at the Central Research Institute for Chemistry of the Hungarian Academy of Sciences.
- H.214-H.218 Sayre, D. 1949-57, 1961-62, 1970-80, 1989
- Sayre studied physics at Yale, and after wartime work at the Massachusetts Institute of Technology, pursued an interest in x-ray analysis of large molecules, first at the Alabama Polytechnic Institute, Auburn (R. Pepinsky q.v.), and then at Oxford where he worked under Hodgkin's supervision for the D.Phil. degree. Returning to the USA he worked for a time at the Johnson Foundation for Medical Physics, University of Pennsylvania before making his career in the research department of IBM, New York. He spent the academic year 1972-73 at Oxford with a Visiting Fellowship at All Souls College.
- Research and career.

Correspondence

- H.214 1949-50.
- H.215 1951-55. Includes grant application, recommendations.
- H.216 1955-57, 1961-62, 1970. Includes recommendations.
- H.217 1971-73.
- H.218 1974-75, 1977-80, 1989, nd. Includes cv, recommendation and Hodgkin's comments on book by Sayre's wife Anne on Rosalind Franklin.
- H.219 Schmidt, G. 1950-51, 1954-55, 1975
After working with Hodgkin in Oxford Schmidt moved to Israel where he made his career at the Weizmann Institute of Science, Rehovoth.
- H.220 Schubnikov, A.V. 1944, 1946, 1954
Schubnikov was Director of the Academy of Sciences of the USSR Institute of Crystallography, Moscow.
- H.221 Not used.
- H.222 Sheehan, J.C. 1982
Sheehan was an American organic chemist who solved the chemical synthesis of penicillin.
History of penicillin.
- H.223 Shefter, E. 1963-69
Shefter came from the University of California, Los Angeles to do postdoctoral research in Hodgkin's laboratory. He returned to the USA to work at the State University of New York at Buffalo.
Includes recommendation.
- H.224 Shoppee, C.W. 1946-55, 1964, 1977
Shoppee was based successively at the Chester Beatty Research Institute London, University College Swansea and the University of Sydney.
The first letter in the correspondence is addressed to J.D. Bernal.

Correspondence

- H.225 Spring, F.S. various dates 1936-51
- Spring was based at the University of Manchester and the Royal Technical College Glasgow.
- The first letter in the correspondence is addressed to Bernal.
- H.225A Steiner, D.F. 1971, 1974-77
- Steiner was based at the Department of Biochemistry, University of Chicago. He was a close collaborator of Hodgkin in insulin research and was particularly known for his discovery of the biological precursor of insulin, proinsulin.
- Principally *re* proposed visit to Oxford.
- H.226 Stoeckli-Evans, H. 1968-72
- Stoeckli-Evans came from the University of Salford to do postdoctoral research in Hodgkin's laboratory.
- Includes recommendation.
- H.227 Stora, C. 1945, 1951, 1958-60
- Stora was a French chemical crystallographer based in Paris.
- H.228 Syngé, R.L.M. 1945-59, 1972, 1975, 1989
- The very great bulk of the correspondence was conducted while Syngé was based at the Rowett Research Institute, Bucksburn, Aberdeenshire. He subsequently moved to the Food Research Institute, Norwich. Syngé was awarded the 1952 Nobel Prize in Chemistry jointly with A.J.P. Martin for their invention of partition chromatography.
- Research.
- H.229 Taylor, N.E. née White 1955-60
- Taylor came from the University of Western Australia, Nedlands to work in Hodgkin's laboratory supported by a Commonwealth Scientific and Industrial Research Organisation overseas studentship. After a period at the University of Cape Town she returned to Australia.
- Includes thesis report.

Correspondence

- H.230 Taylor, W.H. various dates 1934-71
Taylor was based at the Crystallographic Laboratory, Cavendish Laboratory, Cambridge.
- H.231 Thatcher, M.H. née Roberts 1970, 1983, 1985, 1988
Thatcher was a student of Somerville College Oxford who chose to do her Part II Chemistry with Hodgkin working on gramicidin. She worked as an industrial chemist for a time before reading for the Bar and entering politics. She became leader of the Conservative Party in 1975 and was Prime Minister, 1979-91.
Includes draft letter from Hodgkin to Thatcher *re* Russia 1983 and Hodgkin's recollections of Thatcher at Oxford written for A.L. Hodgkin 1970 and M.A. Epstein 1988.
- H.232 Thompson, B.P. 1965-69
Thompson came from the University of St Andrews to do postdoctoral research with Hodgkin. He subsequently worked for the British Council and was posted to India.
Includes recommendations.
- H.233 Tischenko, G.N. 1962-64, 1971
Tischenko was based at the Academy of Sciences of the USSR Institute of Crystallography, Moscow where she worked on derivatives of gramicidin S.
Arrangements to work in Oxford.
- H.234 Tovborg Jensen, A. 1945, 1947, 1958-59, 1976
Tovborg Jensen was based at the Royal Veterinary and Agricultural School, Copenhagen.
- H.235 Trueblood, K.N. various dates 1957-89, nd.
Trueblood was based at the University of California, Los Angeles. He collaborated with Hodgkin on vitamin B12 research and crystallographic data from Hodgkin was processed on an electronic computer at UCLA.
The first letter in the correspondence is from J.D. Bernal *re* proposed visit of Trueblood to the Soviet Union.

Correspondence

- H.236 Vaciago, A. various dates 1958-76
- Vaciago was an Italian x-ray crystallographer who worked with Hodgkin in Oxford on a number of occasions.
- Includes recommendation.
- H.237 Vainshtein, B.K. 1973-78, 1981, 1986-91
- Vainshtein was the Director of the Academy of Sciences of the USSR Institute of Crystallography, Moscow (in succession to A.V. Schubnikov q.v.).
- Includes material *re* Anglo-Soviet scientific exchange, and recommendations.
- H.238 Venkatappa, M.P. 1969-73
- Venkatappa was an Indian scientist working in the USA.
- H.239 Venkatesan, K. 1961-86
- Venkatesan was an Indian scientist who did postdoctoral research with J.D. Dunitz at Zürich and then with Hodgkin at Oxford where he worked on the B12 nucleus compound, Factor V1a. He returned to India to make his career at the University of Madras and the Indian Institute of Science, Bangalore.
- Research and career.
- Includes recommendations.
- H.240-H.242 Vijayan, M. and Vijayan, K. 1966-91
- Vijayan came from the Indian Institute of Science, Bangalore to do postdoctoral research in Hodgkin's laboratory 1966-69, working on the crystal structure of insulin. He was accompanied by his wife who was also a scientist. He then returned to Bangalore spending a further period in Oxford 1976-77.
- Research and career.
- H.240 1966-69. Includes thesis reports.
- H.241 1971-75. Includes photographs and recommendation.
- H.242 1976-91. Includes recommendation.

Correspondence

- H.243, H.244 Viswamitra, M.A. 1963-77
- Viswamitra came from the Indian Institute of Science, Bangalore to work in Hodgkin's laboratory on the structure of the peptide antibiotic thiostrepton supported by a grant from the Squibb Institute for Medical Research. He returned to Bangalore to make his career, spending further periods of research in Oxford and Cambridge.
- Research and career.
- H.243 1963-67. Includes 'Abstract of work done on thiostrepton during the period Nov. 65 - Oct. 66', and recommendations.
- H.244 1968-77. Includes recommendations.
- H.245, H.246 Waters, T.N.M. 1963, 1967-75, 1979
- Waters was based at the Chemistry Department, University of Auckland. He spent a sabbatical year in Oxford 1964-65 when he collaborated with Hodgkin in the study of a vitamin B12 derivative. He returned to Oxford for the second half of 1971. Over the years he sent a number of postdoctoral students to work in Hodgkin's laboratory.
- Research and career.
- H.245 1963, 1967-71. Includes recommendations.
- H.246 1972-75, 1979. Includes recommendations.
- H.247 Watson, K.J. 1960-72
- Watson came from the University of Western Australia, Nedlands to do postdoctoral research in Hodgkin's laboratory. He subsequently took up an appointment at the University of Copenhagen.
- Includes recommendations.
- H.248 White, J.G. 1975
- White was based at the Chemistry Department, Fordham University, New York.
- Sabbatical in Oxford.

Correspondence

- H.255-H.257 Wrinch, D. various dates 1939-70, 1976-77
- Wrinch was the creator of the cyclol theory of peptide structures. She moved to the USA before the Second World War and was affiliated with Smith College, Massachusetts for many years.
- H.255 1939, 1943-53, 1958, 1970.
- H.256, H.257 1976-77. Symposium in honour of Wrinch's memoir, obituaries, biographical information, recollections. 2 folders.
- H.258 Wyckoff, R.W.G. 1947-53, nd
- Wyckoff was based at the Laboratory of Physical Biology, National Institute of Health, Bethesda, Maryland. He subsequently became Science Attaché at the American Embassy in London.
- Necrosis virus crystals; Hodgkin's visa difficulties (1953).
- H.259 Yablochkov, L.D. 1983, 1987-91, nd
- Yablochkov was an Africanist who worked at the Institute of African Studies, Moscow. Hodgkin's husband Thomas first met him in Ghana 1960-64.
- Visits to the UK.
- H.260 Zahn, H. 1957, 1965, 1972-75
- Zahn was based at the Deutsches Wollforschungsinstitut, Aachen.
- H.261, H.262 Zeidan, H.M.M. 1987-90
- Zeidan studied and taught chemistry at the University of Khartoum. Hodgkin sought to help him take up some useful research, preferably in the study of pollution, which would fit him better for an academic career in other universities.
- H.261 1987-88. Includes recommendations.
- H.262 1989-90. Includes recommendation, cv, proposed research project.

Correspondence

SHORTER SCIENTIFIC CORRESPONDENCE

H.263	1933-36	H.280	1960-61
H.264	1937-39	H.281	1962-63
H.265	1940-41	H.282	1964-65
H.266	1942-43	H.283	1966
H.267	1944-45	H.284	1967
H.268	1946-47	H.285	1968-69
H.269	1948-49	H.286	1970
H.270	1950	H.287	1971 (1)
H.271	1951	H.288	1971 (2)
H.272	1952	H.289	1972 (1)
H.273	1953	H.290	1972 (2)
H.274	1954	H.291	1973
H.275	1955	H.292	1974
H.276	1956	H.293	1975
H.277	1957	H.294	1976
H.278	1958	H.295	1977
H.279	1959	H.296	1978

Correspondence

H.297	1979	H.302	1987
H.298	1980-81	H.303	1988
H.299	1982-83	H.304	1989
H.300	1984	H.305	1990-91
H.301	1985-86	H.306	nd

REFERENCES AND RECOMMENDATIONS

H.307	1942-48	H.320	1974
H.308	1952, 1956-59	H.321	1975
H.309	1961-66	H.322	1976
H.310	1967	H.323	1977-78
H.311	1968 (1)	H.324	1979
H.312	1968 (2)	H.325	1980-82
H.313	1969	H.326	1983-86
H.314	1970 (1)	H.327	1987
H.315	1970 (2)	H.328	1988
H.316	1971 (1)	H.329	1989
H.317	1971 (2)	H.330	1990-92
H.318	1972	H.331	Nd
H.319	1973		

SECTION J

NON-PRINT MATERIAL

J.1-J.83

J.1-J.30

PHOTOGRAPHS

J.1-J.6 Photographs of Hodgkin

J.7-J.14 Photographs with scientific colleagues

J.15-J.21 Visits and conferences

J.22-J.24 Laboratories, apparatus, models

J.25-J.29 Domestic and family

J.30 Photograph album

J.31-J.79

PHOTOGRAPHIC SLIDES

J.31-J.53 Insulin

J.54-J.58 Vitamin B12

J.59-B.79 Miscellaneous

J.80-J.82

SOUND RECORDINGS

J.83

FILM

Non-print material

PHOTOGRAPHS

Photographs of Hodgkin

- J.1 Photographs for Royal Society portfolio, 1947.
- J.2 India, 1974.
- J.3-J.6 Undated photographs, arranged in approximate chronological order, [1950s - ca.1990]. Four folders.

Photographs with scientific colleagues

- J.7 Photograph of Hodgkin with J.D. Bernal, D. Fankuchen and I. Fankuchen, [1930s].
- J.8 With H.M. Powell and colleagues from Oxford laboratory, [early 1950s].
- J.9 With unidentified colleagues. Inscribed on verso 'Exeter meeting of the Chem[ical] Soc[iety]. Announcement of str[ucture] of B12 '[?1955].
- J.10 A.L. Patterson and colleagues, possibly in his room at the Institute for Cancer Research, Fox Chase, Philadelphia, 1961.
- J.11 With P.L. Kapitza. One photograph is inscribed on verso 'Dorothy Hodgkin and Peter Kapitza at K's country house near Moscow. 1970-80'.

Folder includes letter from Anne Kapitza, 1987, in which she writes 'I am sending you a photo as a remembrance of your visits to our country place'.
- J.12 With F.H.C. Crick, 1987.

The photograph is labelled '5 March 1987 at Scripps Clinic, La Jolla CALIF. NIMSLO 3-D Photo by Mike Pique'.
- J.13, J.14 Undated photographs. Two folders.
- J.13 ?With K. Boll-Dornberger.
- J.14 With D.C. Phillips.

Non-print material

Visits and conferences

- J.15 Kiev, ?1953. See also F.7

 Halle, East Germany, 1968.
- J.16 Spain, ?1976. See also F.103.
- J.17 Eleventh General Assembly and International Congress of the IUCr,
 Warsaw, 1978. See also E.142-E.148.
- J.18 29th Pugwash Conference, Mexico City, 1979. See also G.45.
- J.19 International Symposium on 'Frontiers in Bioorganic Chemistry and
 Molecular Biology', USSR, 1984.

 Moscow, July 1986.
- J.20, J.21 Japan, August 1986. Two folders.
- J.20 Photographs, inscribed on verso 'at International House of Japan, Tokyo.'
- J.21 Photographs of Hodgkin taking part in a television panel discussion with
 Linus Pauling and Archbishop Desmond Tutu.

Laboratories, apparatus, models

- J.22-J.24 Nd. Three folders.

 J.24 contains photograph inscribed on verso 'This is a picture of B12
 [model] I took out of the window in your lab in Oxford: thought you might
 enjoy it. Love Ed Stanford.'

Domestic and family

- J.25, J.26 Family photographs, [1938-1940s]. Two folders.
- J.27 Photographs of Crab Mill, the Hodgkin family home, Ilmington,
 Warwickshire, with family members and colleagues. One photograph only
 dated 1977.

Non-print material

- J.28 Photographs at Crab Mill, [?1980s].
- J.29 Photograph of Hodgkin family home, Powder Hill near Oxford, inscribed to be sent as a greetings card by Hodgkin, nd.

Photograph album

- J.30 Presented to Hodgkin by the Pugwash Council at the 38th Pugwash Conference, Dagomys, USSR, on the occasion of her retirement from the Presidency of Pugwash, 1988.

The album, which was signed by most members of the Pugwash Council, contains photographs of Pugwash occasions 1969-88.

PHOTOGRAPHIC SLIDES

Found in plastic sheets with slide-pockets. As far as possible the titles on the original filing cabinet drawer dividers have been reproduced as the catalogue entries.

Insulin

- J.31 'Early insulin.'
- J.32 'insulin first outline solution.'
- J.33 'insulin second outline solution.'
- J.34 'insulin third outline solution.'
- J.35 'Insulin : third solution : crystal, hezamer, dimer, monomer.'
- J.36 'details of the structure.'
- J.37 'View of the str[ucture of] insulin.'
- J.38 'insulin 6Å resolution map.'

Non-print material

- J.39 'insulin 2.8Å resolution map.'
- J.40 'insulin : 1.9Å electron density maps.'
- J.41 'Insulin : orgn of the crystal structure. Concanavalin A, etc.'
- J.42 '4 Zn [insulin].'
- J.43 '4 zinc insulin.'
- J.44 'hagfish i[nsulin] 1st row.'
- J.45 'cubic insulin.'
- J.46 'insulin crystals and history.'
- J.47 'insulin and biological action.'
- J.48 'insulin Pattersons, heavy atoms.'
- J.49 'insulin history.'
- J.50 'electron density.'
- J.51 'insulin models.'
- J.52 'LDH Slides - from Margaret Adams.'
- J.53 Untitled.

Vitamin B12

- J.54 'Factor VIa and synthetic corrins.'
- J.55 'B12 Coenzyme.'

Non-print material

J.56 'B12 and neo B12 and B12 iodide.'

J.57 'B12 monoacid : X-rays.'

J.58 'neutron diffraction monoacid.'

Miscellaneous

J.59 'Penicillin.'

J.60 'penicillin, x-rays, peptides.'

J.61 'X ray analysis : Pattersons benzene, hexamethylenetetramene tartrates.'

J.62 'Sterols.'

J.63 'biological structures.'

J.64 'C.F. Powell.'

J.65 'Direct methods - reserpine, Ted Maslen.'

J.66 'Liquid crystals.'

J.67 'Hugo Müller Lecture - nonactin, patch only alcohol, hodg.'

J.68 'crystals and biological structures.'

J.69 'crystalline proteins : lysozyme, carboxypeptidase, etc.'

J.70 'various proteins.'

J.71 'history.'

J.72 'X-ray diffraction = benzene; boron hydride.'

Non-print material

- J.73 'TMV Viruses.'
- J.74 'haemoglobin and myoglobin.'
- J.75-J.79 Untitled. Five sheets.

SOUND RECORDINGS

- J.80 Tape recording ($\frac{1}{4}$ track mono $3\frac{3}{4}$ i.p.s.) of Hodgkin's Nobel Guest Lecture on 'Problems in the x-ray analysis of proteins', *Bibliog.* 145, 1974.
- This was presented in connection with the Stockholm Symposium on the Structure of Biological Molecules, 9-11 July, 1973.
- Includes introductory address to symposium and introduction to Hodgkin's lecture.
- J.81 Cassette recording of Hodgkin's 'Chancellor's Address', Education Department, Bristol University, 30 October 1974.
- Hodgkin's address was entitled 'What should we learn? Problems and experiences'. The address includes biographical reflections, and was introduced by the Vice Chancellor, Sir Alec Merrison.
- See also D.145.
- J.82 Cassette recording of Hodgkin's Plenary Lecture on 'New and old problems in the structure analysis of vitamin B12', at the Third European Symposium on Vitamin B12 and Intrinsic Factor, Zürich, 5-8 March 1979.
- Includes introductory remarks to the opening session by Lord Todd and K.A. Folkers.
- See also F.129.

FILM

- J.83 16mm film 'Crystal structure of the insulin dimer', Computer Systems Laboratory, Washington University, St. Louis, Missouri, 1971.
- Running time approximately 8 minutes.