

Catalogue of the papers and correspondence of

**Sir Harold Jeffreys FRS**

(1891-1989)

by Peter Harper and Timothy E. Powell  
NCUACS catalogue no. 133/6/04

Title: Catalogue of the papers and correspondence of Sir Harold  
Jeffreys FRS (1891-1989), geophysicist and statistician

Compiled by: Peter Harper and Timothy E. Powell

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## GENERAL INTRODUCTION

### PROVENANCE

The papers were received for cataloguing from St John's College, Cambridge in May 2002.

### OUTLINE OF THE LIFE AND CAREER OF HAROLD JEFFREYS

Harold Jeffreys was born on 22 April 1891 at Fatfield, a colliery village in County Durham where his father was headmaster of the village school. He received his school education at Fatfield and Rutherford College, Newcastle, proceeding in 1907 to Armstrong College, Newcastle, the forerunner of Newcastle University but then part of Durham University. Here he took courses in mathematics, physics, chemistry and geology, graduating in June 1910 with first class marks and a distinction in mathematics. Encouraged by his mathematics teacher C.M. Jessop he applied for a Cambridge award and in December 1909 he was elected to an entrance scholarship at St John's College as one of four mathematics scholars. Although there were financial difficulties and the problem of adjusting to a standard of mathematics much harder than that of Armstrong College, his performance in the third year of the Mathematical Tripos (1913) was a distinguished one. He was awarded one of the two Hughes Prizes for undergraduates who had done best in the college in any subject, his college scholarship was extended for a fourth year, and he began research.

Jeffreys was elected a fellow of St John's College in November 1914 and remained one for the rest of his life. He held the Isaac Newton Studentship, 1914-1917, worked part-time at the Cavendish Laboratory on war-time problems. 1915-1917, moving to the Meteorological Office in London in 1917 where he first employed his mathematical skills to 'certain difficult questions in gunnery which came to us from the services' and then to 'problems of the atmosphere'. In 1922 he returned to Cambridge as College lecturer in mathematics and was appointed to a university lectureship in 1926. He was Reader in Geophysics in 1931 and Plumian Professor of Astronomy and Experimental Philosophy in 1946, retiring in 1958.

Jeffreys was one of the small international group of scientists who founded modern geophysics. He applied classical mechanics to investigate the interior of the earth, showing that the core of the Earth was liquid and that there is a substantial difference between the upper and lower mantle. His analyses of travel times of seismic waves with K.E. Bullen became standards of reference. Generations of students learned their geophysics from his book *The Earth* (first published 1924, sixth edition 1976). Jeffreys was also distinguished as a statistician, developing a theory of probability on Bayesian principles and in a form suitable for use in the physical sciences. His key books in statistics

were *Scientific Inference* (1931) and *Theory of Probability* (1939). He also made significant contributions early in his career in fluid dynamics and dynamical meteorology and, although primarily an applied mathematician, in pure mathematics. His use and development of mathematical techniques led him to write, jointly with his wife, Bertha Swirles Jeffreys, the treatise *Methods of Mathematical Physics* (1946), which went through several editions. His first published paper (1910) was on photography and his early interest in natural history is reflected in papers on plant ecology.

Amongst his professional affiliations were the Royal Astronomical Society where he was active in supporting and developing geophysics over many years (President, 1955-1957), the British Association for the Advancement of Science, the National Committee for Geodesy and Geophysics (chairman of the Seismology SubCommittee), the International Union of Geodesy and Geophysics (President of the International Association of Seismology 1957-1960) and the International Astronomical Union.

His scientific distinction was recognised by many honours. He was elected FRS in 1925 (Royal Medal 1948, Copley Medal 1960; Bakerian Lecture, 1952); at the time of his death he was Senior Fellow. Others scientific awards included the Gold Medal of the Royal Astronomical Society 1937, the Vetlesen Prize of Columbia University 1962 and the Wollaston Medal of the Geological Society 1964. He was made a knight bachelor in 1953

He married Bertha Swirles in 1940. She was a student at Girton College, Cambridge where she took a Ph.D in atomic physics under the supervision of R.H. Fowler and D.R. Hartree. After periods at Manchester, Bristol and Imperial College London she returned to Girton in 1938 as Fellow and Lecturer in Mathematics. She was Director of Studies in Mathematics, 1949-1969 and Vice-Mistress, 1966-1969. Her great support for Jeffreys, especially in his last decades, is very evident in his archives. Her role in preserving and identifying materials is acknowledged below.

Jeffreys died on 18 March 1989.

For a fuller account of Jeffreys's life and work see the memoir by Sir Alan Cook for the Royal Society, *Biographical memoirs of Fellows of the Royal Society*, vol 36 (1990), 303-333.

#### DESCRIPTION OF THE COLLECTION

The material is presented in the order given in the list of contents. Although the papers date predominantly from the decades after Jeffreys's formal retirement there is significant earlier material, especially papers of biographical interest and photographs. The papers cover the period 1886-1999.

Section A, Biographical, includes obituaries and tributes, biographical notes by Jeffreys himself and transcriptions of interviews conducted by colleagues (see also Section H). There is career, honours and awards material spanning his whole life from birth certificate to his death including letters of condolence received by Lady Jeffreys. There is significant early material, for example, correspondence with St John's College tutors, 1909-1910, Jeffreys's notes of lectures by H.F. Baker, Ebenezer Cunningham and A.S. Eddington, 1911-1914, 'Letters from Johnians 1917', including M.H.A. Newman, records of Jeffreys's period with the Meteorological Office, 1917-1922, including copy of a reference from its director Sir Napier Shaw, and Jeffreys's memorandum on the constitution of the Senate at Cambridge, 1921, addressed to the Royal Commission on the Universities of Oxford and Cambridge. His appointment as Plumian Professor in 1946 and later honours, including 70th and 90th birthday celebrations, are documented. There is a little material relating to Jeffreys's father, 1886-1947, and a sequence of family and personal correspondence, 1917-1992, which reflects his continuing interest and connexions with the North East of England where he was born. Miscellaneous biographical items include a sketch book, possibly dating from Jeffreys's school days, a few letters relating to Jeffreys's early interests in photography and botany, including a letter from William Bateson, 1915, a collection of old railway tickets, Jeffreys's passports and a significant accumulation of travel literature.

Section B, Research, is presented alphabetically by topic or container title from 'Artificial Moon Craters' to 'Variation of Latitude' (with R.O. Vicente) and covers the period 1902-1996. The documentation may comprise notebooks, manuscript working, data, drafts, correspondence and off-prints. The earliest material is a group of nine small notebooks used by Jeffreys for natural history notes, 1902-1915. There are also significant components relating to probability and statistics, and seismology, especially the later work in collaboration with R.S. Sidhu, M. Gogna and M. Shimshoni. Additionally, at the end of the alphabetical sequence, there is a small group of miscellaneous papers, including manuscripts by C.G. Darwin, and drafts relating to theses supervised by Jeffreys: V.S. Huzubazar in respect of statistics (1949) and E.P. Arnold in respect of the revision of seismological tables (1965).

Section C, Lectures, covers the period 1945-1982 including a number of undated drafts. It is chiefly the contents of two folders of 'Occasional lectures' and 'Various addresses'. Topics include probability theory, seismology, continental drift, Cambridge mathematics and the psychological significance of death duties.

Section D, Publications, is the largest in the collection. Jeffreys's major books are represented including *The Earth* (1924), especially the sixth edition (1976), *Methods of Mathematical Physics* (1946) (with Bertha Swirles Jeffreys) and the *Collected Works* (1971-1977) edited by Jeffreys and Lady Jeffreys. There may be drafts, manuscript working, agreements and correspondence with publishers, correspondence with colleagues, proofs, reviews and royalty statements. Lady Jeffreys



may appear as a correspondent, especially in respect of the *Collected Works*. There is a separate sequence of material relating to shorter publications which includes, in addition to a number of Jeffreys's scientific papers, his Royal Society memoir of Robert Stoneley and his obituaries of Ebenezer Cunningham for St John's College Cambridge and *Nature*. Also presented in this section is a chronological sequence (not complete) of Jeffreys's off-prints, 1910-1988.

Section E, Societies and organisations, is not extensive. Only five British and international bodies are represented. Of considerable biographical interest are the correspondence and papers relating to the founding in 1918 of the National Union of Scientific Workers (Association of Scientific Workers from 1927). Jeffreys was a member of the original executive committee. Also of some significance are papers relating to the British National Committee for Geodesy and Geophysics, especially its Seismology SubCommittee, 1956-1973.

Section F, Visits and conferences, is slight. It includes a little material for visits to the USA in 1950-1951, 1964, 1967 and 1972 and Singapore and Japan in 1971. Best documented, though still very sparsely, is the world trip which Jeffreys and Lady Jeffreys made in 1959 including New Zealand, Australia, Singapore and India. There is a good photographic record of many visits in Section H.

Section G, Correspondence, is presented in a number of sequences: scientific correspondence arranged alphabetically by correspondent and covering the period 1922-1995, a chronological sequence of shorter correspondence, 1914-1995, and a small group of references and recommendations, 1957-1984. There is significant correspondence and related material with colleagues and collaborators such as R.A. Lyttleton and M. Shimshoni and individual items or brief exchanges with major figures of an earlier generation such as A.S. Eddington and Ernest Rutherford. Correspondence after Jeffreys's death in 1989 is with Lady Jeffreys who may also appear as a correspondent before that date. Lady Jeffreys actively sort to assemble Jeffreys's correspondence from a variety of sources including colleagues and their families. For example, Desmond King-Hele passed to Lady Jeffreys his correspondence with Jeffreys, 1961-1989, and Dorothy Stoneley gave to her Jeffreys's letters to Robert Stoneley, including undated letters, probably from the 1920s and 1930s. Almost all the K.E. Bullen and R.A. Fisher correspondence with Jeffreys presented here is photocopied material made available by academic archives in Australia, the Universities of Sydney and Adelaide, respectively.

Section H, Non-textual material, is of major importance both for documenting in photographs Jeffreys's life and career and his interest in photography which developed at an early age. There are photographs of 'Harold's Youth', portrait photographs, photographs at various award ceremonies and with Lady Jeffreys, colleagues and friends and photographs taken on visits and at conferences. Jeffreys's role as a photographer is represented, for example, by a number of photograph albums made up of photographs taken by him in the first decades of the twentieth century. A wide variety of

persons and places are depicted. Fellow scientists include F.C. Bartlett, Arthur Holmes, F.G. Hopkins, R. Stoneley, G.I. Taylor and D.M. Wrinch and places include many in the North East of England and in and around Cambridge including St John's College. An album is devoted to a visit to Canada in 1924 in connexion with a British Association for the Advancement of Science meeting. Jeffreys's later photography is represented by an extensive collection of transparencies, many depicting the round the world tour made by Sir Harold and Lady Jeffreys in 1959. Additionally there are recordings of Jeffreys in conversation with colleagues, a sound recording with G.A. Barnard and a video recording with D.V. Lindley.

There is also an index of correspondents

#### ACKNOWLEDGEMENTS

Lady Jeffreys retained her husband's papers at the family home, 160 Huntington Road, Cambridge until her death on 18 December 1999. In the period following Sir Harold's death (and probably for a period before) she played an indispensable role in assembling and preserving papers and identifying materials such as research notes, correspondence and photographs. This work has resulted in an archive of Sir Harold of significantly enhanced value for the scholarly community and significantly easier to process.

Lady Jeffreys's own papers (currently in process as of May 2004) contain a sizeable component of material relating to Sir Harold reflecting the many tributes, memorials, conferences in his honour and the like which followed in the ten years after his death and with which Lady Jeffreys was very much involved.

It is evident from the archival record that Lady Jeffreys took very seriously in relation to her husband's papers the establishment of a Contemporary Scientific Archives Centre in Oxford in 1973 (the predecessor organisation of the NCUACS) and she was in regular contact with the NCUACS in the decade following Sir Harold's death.

Peter Harper  
Timothy E. Powell  
Bath, 2004

**SECTION A**

**BIOGRAPHICAL, A.1-A.204**

**1886-1993**

A.1-A.14	OBITUARIES AND TRIBUTES
A.15-A.33	AUTOBIOGRAPHICAL AND BIOGRAPHICAL
A.34-A.117	CAREER, HONOURS AND AWARDS
A.118-A.127	CERTIFICATES
A.128-A.153	FAMILY AND PERSONAL
A.154-A.169	FINANCES
A.170-A.204	MISCELLANEOUS BIOGRAPHICAL ITEMS

**Biographical, A.1-A.204**

A.1-A.14	OBITUARIES AND TRIBUTES	1989-1993
A.1	List of obituaries compiled by Lady Jeffreys  <i>The Times</i> obituary, 23 March 1989  <i>Independent</i> obituary, 23 March 1989. By D.V. Lindley and S.K. Runcorn	1989
A.2	European Geophysical Society Newsletter, no.36, June 1989. By 'PJB [Penny J. Barton] with thanks to RH [Raymond Hide]'.  	1989
A.3	European Geophysical Society Newsletter, no.38, July 1990. Includes letter from Lady Jeffreys (pp25-26) commenting on the obituary in no.36.  With related correspondence and papers.	1990
A.4	Correspondence between Lady Jeffreys and R.W. Girdler <i>re</i> contribution to University of Newcastle upon Tyne Newsletter and the Vice-Chancellor's Report, September 1989  Includes draft obituary with corrections by Lady Jeffreys; also photocopy of orator's address on the occasion of the award of honorary degree to Jeffreys by the University of Newcastle, 1960.	1989
A.5	Typescript copy of 'Memorial' written for <i>The Leading Edge</i> , the magazine of the Society of Exploration Geophysicists of America.  Sent to Lady Jeffreys by the author, S. Crampin, September 1989.	1989
A.6	<i>Geophysical Journal</i> , vol.155, pt 3, November 1989. By A.G. Smith	1989

**Biographical, A.1-A.204**

- A.7                    *IMS Bulletin*, vol 18, no.3, 1989. By Arnold Zellner                    1989  
*Journal of Ecology*, 1989. By John Sheail  
*J.R. Statist. Soc. A*, 152, pt 3, 1989. By D.V. Lindley  
*Nature*, 1989. By S.K. Runcorn
- A.8                    'The world turned inside out', *Geology*, January 1990. By                    1989-1990  
E.G. Nisbet  
  
Text as published with related correspondence between  
Lady Jeffreys and Nisbet, June-July 1989.
- A.9                    Correspondence *re* obituary etc for London Mathematical                    1990  
Society, January 1990
- A.10                   *Eagle*, publication of St John's College, Cambridge, 1990.                    1990  
By Frank Smithies.  
  
Text as published; manuscript and typescript notes by  
Lady Jeffreys.
- A.11                   *Earthquakes & Volcanoes*, vol.22, no.2, publication of US                    1990  
Department of the Interior, 1990. By Bruce A. Bolt  
  
Photocopy of obituary which was reprinted in *Earthquakes  
& Volcanoes* from the *Bulletin of Seismological Society of  
America*.
- A.12                   Photocopy of tribute in Russian publication, 1991                    1991
- A.13                   'Memorial to Sir Harold Jeffreys 1891-1989' by J.A.                    1992-1993  
Hudson and A.G. Smith. Published by the Geological  
Society of America, 1993  
  
Typescript draft, off-print and correspondence between  
Hudson and Lady Jeffreys, 1992-1993.

**Biographical, A.1-A.204**

- A.14 'Jeffreys and the Earth' by B.A. Bolt. In *Relating Geophysical Structures and Processes: The Jeffreys Volume*, Geophysical Monograph 76, IUGG Volume 16, 1993
- A.15-A.33 AUTOBIOGRAPHICAL AND BIOGRAPHICAL [1979]-1988, n.d.**
- A.15-A.21 'RS Dossier. RS Edinburgh Additions to Biography Chronological list' 1984, 1986, n.d.  
  
Contents of folder so labelled by Lady Jeffreys:
- A.15 Photocopy of Royal Society Personal Record booklet with manuscript additions and corrections N.d.  
  
Found in envelope inscribed 'Royal Society Dossier'
- A.16 'Personal Records of the Royal Society' N.d.  
  
8pp photocopied manuscript.
- A.17 Brief correspondence with Royal Society *re* personal record 1986
- A.18 'Personal Records of Fellows of the Royal Society of Edinburgh' N.d.  
  
11pp typescript with manuscript additions. Photocopy.
- A.19 'Possible additions to my biography' N.d.  
  
6pp manuscript by Jeffreys  
  
'Possible addition to my biography. Copy of MS by Harold Jeffreys'  
  
5pp typescript. With final paragraph initialled by Lady Jeffreys. Reduced format copy of the same with manuscript addition by Lady Jeffreys.

**Biographical, A.1-A.204**

- |           |  |           |
|-----------|--|-----------|
| A.20      | 4pp manuscript notes by Jeffreys beginning 'Many people have commented on the wide range of subjects treated in my works'.   | N.d.      |
|           | 1p manuscript (photocopy) by Jeffreys beginning 'Master, Fellows and Ladies. This is an occasion for reminiscences' and headed '1984'  | 1984      |
|           | With manuscript note from the Librarian, St John's College, Cambridge, 1 August 1984.  |           |
| A.21      | Chronological list of Jeffreys's publications prepared to accompany <i>Collected Papers</i> , 1977 and continued to 1987   | N.d.      |
| A.22-A.28 | Interviews   | 1982-1987 |
| A.22      | Brief correspondence with G.A. Barnard and H.E. Daniels <i>re</i> a 'rather informal tape [recording]', April-May 1982   | 1982      |
|           | Barnard explained: 'Really, after the basic biographical details, I hope you could sketch how your ideas on scientific inference and statistics and probability theory developed, with perhaps something of your agreements and disagreements with Fisher, Haldane (perhaps), and others'. |           |
|           | For a copy of the audiotape see H.204.   |           |
| A.23-A.25 | Correspondence and papers <i>re</i> videotape interview of Jeffreys made on behalf of the Royal Statistical Society  | 1982-1987 |
|           | Jeffreys was videotaped in conversation with D.V. Lindley, 25 August 1983.   |           |
|           | 3 folders.   |           |
|           | Includes suggested questions in a letter from Lindley to Jeffreys, 13 August 1983 (A.23), Jeffreys's list of amendments to the transcription (A.24) and the transcription with manuscript corrections (A.25).  |           |
|           | For a copy of the videotape see H.205.   |           |

**Biographical, A.1-A.204**

- |           |   |             |
|-----------|---|-------------|
| A.26-A.28 | <p>Correspondence and papers <i>re</i> tape-recorded interview on early work on meteorology</p> <p>The interview was conducted by M.E. McIntyre on behalf of the Royal Meteorological Society in the presence of Lady Jeffreys, 16 September 1984.</p> <p>3 folders.</p> <p>Early correspondence about an interview is with Raymond Hide (A.26). Edited transcriptions are at A.27.</p> | 1984-1985   |
| A.29      | <p>Entry for biographical directory</p>   | 1985        |
| A.30-A.32 | <p>'Contributions of Sir Harold Jeffreys to Theoretical Geophysics' by E.R. Lapwood, <i>Math. Scientists</i>, 1982, 7, 69-84</p> <p>This was the text of an invited lecture to the 1980 Conference of the Division of Applied Mathematics of the Australian Mathematics Society, Cowes, Victoria.</p>   | [1979]-1982 |
| A.30      | <p>Off-print</p>  | 1982        |
| A.31      | <p>Typescript draft sent to Lady Jeffreys for comment, 7 April 1980</p>   | 1980        |
| A.32      | <p>7pp manuscript (photocopy) by Lapwood found attached to the offprint at A.30</p> <p>N.d. but concludes 'Sir Harold is now 88 years of age, and is still active in writing and research'.</p>   | [1979]      |
| A.33      | <p>'Clearing up Mysteries - The Original Goal'. By E.T. Jaynes</p> <p>Photocopy of keynote paper at 8th international maximum entropy workshop, St John's College, Cambridge, August 1988.</p> <p>Sent to Jeffreys and Lady Jeffreys by J. Skilling of St John's College, Cambridge, October 1988, 'so that you</p>   | 1988        |



**Biographical, A.1-A.204**

may read for yourselves Ed's praise of Harold's work on the fundamentals of scientific inference'. With reply from Lady Jeffreys.

<b>A.34-A.117</b>	<b>CAREER, HONOURS AND AWARDS</b>	<b>1891-1993</b>
A.34	Birth certificate	1891
A.35	Rutherford College Newcastle upon Tyne Practical Physics notebook  Used for school practical physics experiments from 21 August 1906 to 18 April [1907].  Jeffreys was a pupil at Rutherford College between the ages of 12 and 16 when he went to Armstrong College, Newcastle, the forerunner of the present University of Newcastle.	1906-1907
A.36-A.65	St John's College Cambridge  After completing his studies at Armstrong College University of Durham he applied for a Cambridge award and in December 1909 he was elected to a £60 entrance scholarship at St John's College as one of four mathematics scholars.  Elected to the Fellowship 1914 and remained one for the rest of his life.	1909-1993
A.36, A.37	'Burke-Fox Scott Heitland Correspondence with Tutors 1910'  Contents of folder so inscribed by Lady Jeffreys.	1909-1923
A.36	Photocopies of two letters of Jeffreys and one letter about him from tutorial files  Jeffreys's letter of 5 November 1909 asks how much, if any, of the Open Scholarship Examination he was excused and details his previous scholarship and examination success.	1909-1910

**Biographical, A.1-A.204**

- |            |  |           |
|------------|--|-----------|
| A.37       | 4 Letters to Jeffreys, 1 in original envelope<br><br>Letter from R.F. Scott, 24 June 1922, is an offer of a temporary College appointment for two years from Michaelmas 1922 'to assist in the mathematical teaching of the College'.  | 1913-1923 |
| A.38-A.54  | 'HJ's lecture notes 1911-1914'<br><br>Contents of box so labelled by Lady Jeffreys.  | 1911-1914 |
| A.38-A.40  | 'Spherical Astronomy. Mr Cunningham Michaelmas 1911'<br><br>Contents of envelope so inscribed by Jeffreys divided into three for ease of reference: manuscript notes.<br><br>Ebenezer Cunningham, 1881-1977, was a student at St John's and elected into a Fellowship in 1904. After periods at Liverpool and University College London he returned to St John's in 1911 at the invitation of H.F. Baker.<br><br>For Jeffreys's obituary writing in respect of Cunningham see D.252-D.257.<br><br>For Baker see A.47-A.49. | 1911      |
| A.41, A.42 | 'Mr Eddington Combination of Observations & Spherical Astronomy Michaelmas 1913'<br><br>Contents of envelope so inscribed by Jeffreys divided into two for ease of reference: manuscript notes.<br><br>A.S. Eddington was appointed Plumian Professor of Astronomy at Cambridge in 1913.   | 1913      |
| A.43-A.46  | 'Mr Herman Planetary & Lunar Theory Michaelmas 1913'<br><br>Contents of envelope so inscribed by Jeffreys divided into four for ease of reference: manuscript notes.   | 1913      |
| A.47-A.49  | 'Prof. [H.F.] Baker Periodic Orbits etc Lent 1914'<br><br>Contents of folder inscribed by Jeffreys divided into three  | 1914      |

**Biographical, A.1-A.204**

for ease of reference: manuscript notes.

With additional inscription on envelope by Lady Jeffreys August 1990 'H.F. Baker 1866-1956 January 1914 became Lowndean Professor of Astronomy & Geometry. R.S. Biographical Memoirs 1956 vol.2 by W.V.D. Hodge. P.52 "his first action as professor was to offer in addition to the courses on pure mathematics which he had been scheduled to give as a university lecturer, a course on periodic orbits, thereby making it clear that he regarded himself as professor both of astronomy and of geometry" (BJ. August 1990)'.

- |            |   |                     |
|------------|---|---------------------|
| A.50-A.52  | 'Prof. Eddington Determination of Orbits Lent 1914'.<br>Contents of folder so inscribed divided into three for ease of reference: manuscript notes.   | 1914                |
| A.53, A.54 | 'Prof. Eddington Sidereal Astronomy May 1914'<br><br>Contents of envelope so inscribed by Jeffreys divided into two for ease of reference: manuscript notes.  | 1914                |
| A.55, A.56 | 'Letters from Johnians circa 1917'<br><br>Contents of folder so inscribed by Lady Jeffreys divided into two for ease of reference.<br><br>Correspondents include E.W. Burn, B.W. Gilbert, C.B. Rootham and T.H. Sharp (A.55), and M.H.A. Newman (A.56).<br><br>1990 item (A.55) is note from College Archivist identifying correspondent (Sharp). | 1916-1917,<br>1990  |
| A.57-A.59  | Miscellaneous correspondence with Fellows and others  | 1930, 1972-<br>1989 |
| A.57       | 1930<br><br>1 letter only from Sir Henry F. Howard, Senior Bursar, <i>re</i> Jeffreys's 'note about "Digging" in Rowing'.   |                     |

**Biographical, A.1-A.204**

- |            |  |                    |
|------------|--|--------------------|
| A.58       | 1972-1979  |                    |
|            | Includes correspondence <i>re</i> 'the Hermes in Whewell's Court', Trinity College Cambridge.  |                    |
| A.59       | 1980-1989  |                    |
|            | Includes letter from the Vice-Chancellor, University of Cambridge, 28 April 1987, congratulating Jeffreys on surpassing 'the previous record for the longest continuous tenure of a Fellowship at either Oxford or Cambridge'. |                    |
| A.60-A.63  | Concert programmes   | 1927-1980          |
|            | Programmes of the St John's College Musical Society and of other musical events associated with the College.   |                    |
|            | 4 folders.   |                    |
| A.64       | Menu card for 'Dinner to the Commonwealth Universities Congress', 16 July 1953   | 1953               |
| A.65       | Photocopy of photograph of 'Mathematicians of St John's. 1913'   | 1993               |
|            | With manuscript note by Lady Jeffreys 'Given to me by Margaret Gilbert BJ 22/05/93'  |                    |
| A.66       | Smith's Prize, Cambridge University  | 1915               |
|            | 1 letter of congratulations only.  |                    |
| A.67       | D.Sc. University of Durham 1917  | 1916-1917          |
|            | 2 letters and certificate  |                    |
| A.68, A.69 | Meteorological Office  | 1917-1925,<br>1990 |
|            | 2 folders.   |                    |

**Biographical, A.1-A.204**

At A.68 a copy of a reference from Sir Napier Shaw, 19 December 1921, in support of application by Jeffreys for professorship of Mathematics at King's College London, explains Jeffreys's association with the Meteorological Office:

'Dr Jeffreys joined the staff of the Meteorological Office in the later years of the war on my recommendation in order that he might help in dealing with certain difficult questions in gunnery which came to us from the Services and which involved the solution of difficult mathematical problems. He was retained after the armistice in virtue of his capacity for dealing with the application of mathematics to problems of the atmosphere'.

Jeffreys went to the Meteorological Office in 1917 and returned to Cambridge in 1922 as College lecturer in mathematics.

1990 item (A.69) is letter from the Librarian, National Meteorological Library to Lady Jeffreys.

- |           |   |            |
|-----------|---|------------|
| A.70-A.80 | University of Cambridge   | 1921-1993  |
|           | <p>In addition to Jeffreys's association with St John's College he was appointed to a university lectureship in 1926. He was Reader in Geophysics from 1931 and was elected to the Plumian Professorship of Astronomy and Experimental Philosophy in 1946, retiring in 1959.</p>  |            |
| A.70      | Memorandum on the Constitution of the Senate at Cambridge addressed to the Royal Commission on the Universities of Oxford and Cambridge   | 1921, 1993 |
|           | <p>Three typescript copies, one unsigned, one signed 'W.G. Palmer' and one signed 'F. [word unidentified] White', with two letters from Horace Darwin to Jeffreys, about 'your memo.', the first with a separate sheet of criticisms, November 1921.</p> <p>The papers were found clipped together with a compliments slip from D.G. Crighton to whom Lady Jeffreys had shown the memorandum in 1993.</p> |            |
| A.71      | 1 letter only <i>re</i> gift from Jeffreys to the university library  | 1923       |

**Biographical, A.1-A.204**

- |            |  |           |
|------------|--|-----------|
| A.72-A.78  | <p>Letter from Vice-Chancellor confirming election to the Plumian Chair, letters of congratulation, etc.</p> <p>7 folders.</p> <p>Unindexed.</p> <p>The letters of congratulation are presented in alphabetical order with first names and unidentified at A.77. At A.78 are typescript notes <i>re</i> Thomas Plume who endowed the Chair and Maldon, Essex, his birthplace, printed booklet <i>re</i> the history of Maldon by F.H. Laws, the Plume Librarian, Maldon and letter from Laws, 12 March 1953.</p> <p>A letter from 'Martin' [Sir Martin Rees] to Lady Jeffreys, 4 January 1992, is at A.72.</p> | 1946-1992 |
| A.79, A.80 | <p>'Various correspondence about Math. &amp; Nat. Sci. Tripos'</p> <p>Contents of folder so inscribed by Lady Jeffreys divided into two for ease of reference: correspondence and papers.</p> <p>Jeffreys's correspondents include N.F. Mott.</p> <p>Manuscript and typescript drafts of Jeffreys's 'Memorandum on the reorganisation of the Tripos' are at A.80.</p>  | 1954      |
| A.81       | <p>Royal Astronomical Society Gold Medallist</p> <p><i>Journal of the British Astronomical Association</i>, vol. 48, no.4, February 1937.</p> <p>See frontispiece for photograph of Jeffreys as RAS Gold Medallist and pp158-160 for an account of Jeffreys and his work.</p>  | 1937      |
| A.82       | <p>Geological Society of America Correspondent</p> <p>Notice of election as Correspondent.</p>   | 1947      |
| A.83       | <p>Honorary degree, University of Liverpool</p> <p>Orations booklet</p>  | 1953      |

**Biographical, A.1-A.204**

- |       |   |      |
|-------|---|------|
| A.84  | Honorary degree, Trinity College Dublin<br><br>Official documentation, press-cutting, etc.<br><br>See also H.31.  | 1956 |
| A.85  | Royal Society Copley Medallist<br><br>Bound certificate   | 1960 |
| A.86  | Honorary degree, Newcastle Division of the University of Durham 1960<br><br>1 letter only from the Registrar, University of Newcastle upon Tyne, 2 June 1980, <i>re</i> the honorary degree awarded in 1960. See also A.4.  | 1980 |
| A.86A | 70th birthday<br><br>'The Earth Today A collection of papers dedicated to Sir Harold Jeffreys by some of his students and colleagues on the occasion of his 70th birthday'. <i>Geophysical Journal</i> , vol 4, 1961.<br><br>Copy presented to Jeffreys at St John's College Cambridge, 24 May 1961. Enclosed loose at front is signed <i>meu</i> . | 1961 |
| A.87  | Geological Society of London Wollaston Medallist<br><br><i>Proceedings of the Geological Society of London</i> , 7 August 1964, including presentation of the Wollaston Medal to Lady Jeffreys who received it on behalf of Sir Harold; typescript draft of message from Sir Harold read by Lady Jeffreys.  | 1964 |
| A.88  | Honorary degree, Southern Methodist University, Dallas, Texas<br><br>Bound certificate.<br><br>See H.37.  | 1967 |

**Biographical, A.1-A.204**

A.89	Seismological Society of America Medallist Correspondence, citation, photographs etc. The medal was presented to Jeffreys in Cambridge	1979
A.90-A.109A	90th birthday	1981
A.90	Letters kept together with treasury tag With Lady Jeffreys's list headed '90th birthday'. Unindexed.	
A.91-A.107	Alphabetical sequence of greetings cards, etc Unindexed. 17 folders.	
A.91	A	
A.92	B	
A.93	C	
A.94	D	
A.95	G	
A.96	H, I	
A.97	J, K	



**Biographical, A.1-A.204**

A.98 M, N

A.99 P, R

A.100 S

A.101 W

A.102-A.107 First names only

6 folders.

A.108 Bound copy of paper by A. Marussi presented in celebration of Jeffreys's 90th birthday

Letter and postcard are enclosed loose at the front of the bound volume.

A.109 Bound presentation document from the Schmidt Institute of Physics of the Earth, Moscow, USSR, congratulating Jeffreys on his birthday

With signatures of Russian colleagues.

Loose items enclosed at the front include English translation of the document.

A.109A *Geophysical Journal of the Royal Astronomical Society* volume 64, number 1 January 1981

1981

Presented to Jeffreys on his 90th birthday by the Royal Astronomical Society.

Enclosed loose at front is signed menu.

**Biographical, A.1-A.204**

- |             |   |      |
|-------------|---|------|
| A.110       | 60th Anniversary of Election to Fellowship of the Royal Society<br><br>Letter of congratulations from the President of the Royal Society with Jeffreys's reply. | 1985 |
| A.111-A.117 | Death of Jeffreys<br><br>Jeffreys died on 18 March 1989 in his 98th year.   | 1989 |
| A.111       | Funeral<br><br>Press-cuttings; list of mourners   |      |
| A.112-A.115 | Letters of condolence<br><br>In alphabetical order. Unindexed.<br><br>4 folders.  |      |
| A.112       | A- C  |      |
| A.113       | G - I   |      |
| A.114       | J - M   |      |
| A.115       | O - Z   |      |
| A.116       | Announcement of Jeffreys's death in Royal Society News, May 1989<br><br>Jeffreys was Senior Fellow of the Society.  |      |
| A.117       | Miscellaneous correspondence <i>re</i> Jeffreys's death   |      |

**Biographical, A.1-A.204**

**A.118-A.127                      CERTIFICATES                      1903-1944**

Rolls with the exception of the list at A.119 which was found with the certificates.

With the exception of A.127 all relate to early examination and scholarship success.

A.118                      College of Preceptors Lower Forms Examination 'Midsummer 1903'                      1903

Lists subjects passed.

A.119                      County Council of Durham Minor Scholarships' Examination 1903 List of Results                      1903

Jeffreys was listed under Scholarships awarded to boys and was placed first on the list.

A.120                      University of Durham Junior Local Examination July 1905                      1905

Lists subjects passed.

A.121                      University of Durham Senior Local Examination July 1906                      1906

Lists subjects passed.

A.122                      University of Durham Senior Local Examination July 1907                      1907

Lists subjects passed.

A.123                      University of London certificate that Jeffreys had matriculated as a Student at the June 1907 examination and was placed in the First Division in the specified subjects                      1907

A.124                      Board of Education certificate that Jeffreys obtained a Second Class in Honours at the examination in                      1908

**Biographical, A.1-A.204**

Mathematics Division I in the year 1908

A.125	University of London certificate that Jeffreys had passed as an External Student the Immediate Examination in the Faculty of Science in the year 1909	1909
A.126	University of Durham certificate that Jeffreys, having complied with all the conditions required by the University, had been admitted to the degree of Bachelor of Science September 1910.	1910
A.127	American Geophysical Union Certificate of Corresponding Membership, 18 May 1944  In tube.	1944
<b>A.128-A.153</b>	<b>FAMILY AND PERSONAL</b>	<b>1886-1992</b>
<b>A.128-A.131</b>	<b>Robert Hall Jeffreys (father)</b>  See also A.137.	<b>1886-1947</b>
A.128	Diocese of Newcastle pupil teacher's certificate in religious subjects	1886
A.129	United Grand Lodge of Ancient, Free and Accepted Masons of England certificate	1884
A.130	Supreme Grand and Royal Chapter of Royal Arch Masons of England certificate	1910
A.131	Certified copy of an entry of death	1947

**Biographical, A.1-A.204**

<b>A.132-A.146</b>	<b>Family and personal correspondence</b>	<b>1917-1992</b>
	<p>The sequence reflects Jeffreys's continuing interest and connexions with the North East of England where he was born.</p> <p>Unindexed.</p>	
<b>A.132-A.135</b>	<p>'Invitations etc. Acknowledgements of photographs'</p> <p>Contents of folder so inscribed by Lady Jeffreys divided into four for ease of reference.</p> <p>Letter and postcard from D.M. Wrinch at A.132; letter from Bertha Swirles at A.134.</p>	<b>1917-1927, n.d.</b>
<b>A.136</b>	<p>2 postcards, 1927, 1933, and related photocopies with note by Lady Jeffreys, 19 November 1992</p>	<b>1927, 1933, 1992</b>
<b>A.137</b>	<p>1948, n.d.</p> <p>Correspondence arising from the death of Jeffreys's father the previous year.</p> <p>Folder also includes undated postcard from Jeffreys's father.</p>	
<b>A.138</b>	<p>1955</p> <p>Manuscript letter from Jeffreys attached to typescript account of the story of the Lambton Worm and manuscript note by Jeffreys on the Drummonds of Fatfield [Co. Durham] where he was born.</p>	
<b>A.139</b>	<p>1969</p> <p>Christmas card from Nancy and Ralph [Lapwood] to Harold and Bertha 'who not only explored the Solar System before the Astronauts but also penetrated the interior of the Earth before the Mohole'; and enquiry about the history of Fatfield and Washington, Co. Durham.</p>	

**Biographical, A.1-A.204**

- |                    |   |                  |
|--------------------|---|------------------|
| A.140              | 1972-1973   |                  |
| A.141              | 1975-1977   |                  |
| A.142              | 1978  |                  |
| A.143              | 1979  |                  |
| A.144              | 1980-1985   |                  |
|                    | Includes birthday card from Nancy and Ralph [Lapwood] 1983 and birthday card from Nancy 1985, incorporating photograph of Ralph Lapwood in China the previous year. |                  |
| A.145              | 'Letters from W.A. Dawson 1980-7'   | 1980-1990        |
|                    | Contents of envelope so inscribed by Lady Jeffreys.   |                  |
|                    | A biographical note by Lady Jeffreys, 30 November 1990, explains the close connexion between Dawson and Jeffreys's family.  |                  |
| A.146              | N.d.  |                  |
| <b>A.147-A.153</b> | <b>Postcards</b>  | <b>1910-1959</b> |
|                    | A number may relate to Jeffreys's scientific career.  |                  |
| A.147-A.151        | 'Various postcards sent to H.J. circa 1920'   | 1915-1934, n.d.  |
|                    | Contents of envelope so inscribed by Lady Jeffreys divided into five for ease of reference.   |                  |
| A.152              | 9 postcards and greetings cards sent by colleagues in the USSR  | 1959, n.d.       |

**Biographical, A.1-A.204**

Contents of envelope addressed to 'Sir and Mrs Harold Jeffreys'.

2 postcards dated in 1959.

A.153                      Miscellaneous postcards                      1910-1947

12 postcards

**A.154-A.169                      FINANCES                      1920s-1990**

Correspondence and papers *re* superannuation and pension, housing, insurance, investments, gifts and donations, taxation, etc

A.154-A.156                      1920s

3 folders.

Includes papers *re* superannuation agreements.

A.157                              1930s

Insurance and pension scheme.

A.158-A.161                      1940s

4 folders.

Includes papers *re* the hire of Thatched Cottage, Clement Place, Cambridge, 1940 and the purchase of 160 Huntingdon Road, Cambridge, 1945.

A.162                              1950s

Includes miscellaneous invoices and receipts.

**Biographical, A.1-A.204**

- A.163                    1974-1990  
Includes copy of Jeffreys's will dated 27 February 1974.
- A.164                    N.d.  
Includes Jeffreys's [US] Social Security Account Card.
- A.165                    Lloyds Bank Ltd Birtley [Co. Durham] pass book.  
In use 1912-1927.
- A.166-A.169            4 used Lloyds Bank Ltd cheque books                    1930s-1950s
- A.170-A.204            MISCELLANEOUS BIOGRAPHICAL ITEMS                    N.d., 1910-1990**
- A.170                    Small format sketch book with humorous drawings and captions                    N.d.  
? from Jeffreys school days.  
'Latin' is inscribed on a sketch book edge.
- A.171                    4 letters *re* Jeffreys's interest in photography, 1910, 1911, and 1924 (2 letters)                    1910-1924
- A.172                    2 used card 'targets'                    1914  
One inscribed with Jeffreys's name and score, the second headed '25 yds=200 2nd. Class Miniature Target, Musketry Course, 1914'.
- A.173                    'Botanical'                    1915-1937  
Contents of folder so inscribed by Lady Jeffreys: correspondence, 1915, 1917, 1937.

/...



**Biographical, A.1-A.204**

- /... Includes 1915 letter from W. Bateson. 1937 letter includes pressed flowers.
- A.174 Notebook used by Jeffreys for recording limericks ?1920s
- A.175 Manuscript and typescript notes etc found loose in notebook (A.174) 1924, n.d.  
  
Mainly more limericks but includes letter from N. Bowie, Chief, Division of Geodesy, Department of Commerce, U.S. Coast and Geodetic Survey, Washington D.C., 22 August 1924, with limerick on verso.
- A.176 Manuscript music book inscribed 'H. Jeffreys' inside front cover N.d.  
  
Undated but see A.177 below.
- A.177 Loose items enclosed in the manuscript music book (A.176) include letter from Raymond Priestley, 30 July 1953, with an account of 'The Song of the Mammals' 1953, n.d.
- A.178 Correspondence and papers *re* Cremation Society 1962-1963  
  
Includes membership card.
- A.179-A.188A Correspondence and papers *re* Jeffreys's (and Lady Jeffreys's) history of science interests 1978-1983
- A.179-A.181 'McCrea Einstein Gold Medal' 1978-1983  
  
Contents of folder so inscribed by Lady Jeffreys divided into three for ease of reference: correspondence *re* the award of the Gold Medal of the Royal Astronomical Society to Einstein, the 'stellar-question between the two world wars', etc.  
  
Correspondents include Sir William McCrea, K. Hufbauer and J. Crelinsten.

**Biographical, A.1-A.204**

- |             |  |             |
|-------------|--|-------------|
| A.182-A.188 | 'J.C. Adams'   | 1980-1982   |
|             | Contents of folder so inscribed by Lady Jeffreys divided into seven for ease of reference.   |             |
|             | Includes correspondence and papers <i>re</i> article on John Couch Adams by Jeffreys in the <i>Eagle</i> .                         |             |
| A.188A      | Lewis Caroll (Charles Dodgson)'s method of calculating the day for any date  | N.d.        |
|             | Manuscript notes etc   |             |
| A.189-A.192 | Passports  | 1939-1971   |
| A.189       | Issued 22 June 1939  |             |
| A.190       | Issued 13 January 1950   |             |
| A.191       | Issued 21 June 1960  |             |
| A.192       | Issued 22 March 1971   |             |
| A.193       | Invitation cards for social events etc   | c.1957-1981 |
|             | Includes signed menu for Seventh Triennial Dinner of the Adams Society, 1958. Signatories include A.S. Besicovitch and R. Penrose. |             |
| A.194       | 'H's life membership cards'  |             |
|             | Contents of envelope so inscribed by Lady Jeffreys.  |             |
|             | Includes British Association, Cambridge University Swimming Club and Cyclists' Touring Club.                                       |             |

**Biographical, A.1-A.204**

- |              |   |           |
|--------------|---|-----------|
| A.195        | 'Old Railway tickets'   | N.d.      |
|              | <p>Contents of envelope so inscribed by Lady Jeffreys: old railway tickets pasted on three sheets of paper.</p> <p>Railway stations represented are principally in the North East of England and Cambridge.</p> |           |
| A.196        | Miscellaneous manuscript and typescript notes   | N.d.      |
|              | <p>Includes typescript note on conscientious objectors with manuscript inscription by Lady Jeffreys '? Writer. BJ 1990 Note reference to Birtley [Co. Durham]'</p>  |           |
| A.197-A.200  | Correspondence and papers <i>re</i> Jeffreys's archives, medals, photographs, off-print collection, etc   | 1978-1991 |
| A.197        | 'Medals deposited in St John's & photographs. Also correspondence with Bank'  | 1978-1985 |
|              | <p>Contents of folder so inscribed by Lady Jeffreys.</p>  |           |
| A.198, A.199 | 'Correspondence about Offprint Collection (of other scientists)'  | 1989-1990 |
|              | <p>Contents of folder so inscribed by Lady Jeffreys divided into two for ease of reference.</p> <p>Includes correspondence <i>re</i> books, archives, museum object etc.</p>                                    |           |
| A.200        | Miscellaneous correspondence <i>re</i> archives, photographs and off-prints   | 1989      |
| A.201        | 'Ralph Lapwood A good Friend of China'  | 1989      |
|              | <p>Copy of 'booklet' sent to Sir Harold and Lady Jeffreys with covering note (enclosed at the front) from Nancy Lapwood, 8 January 1989.</p>  |           |

**Biographical, A.1-A.204**

A.202-A.204

Travel literature

Printed papers.

2 boxes and 1 large format item

**SECTION B**

**RESEARCH, B.1-B.316**

**1902-1996**

Arranged alphabetically by topic or container title.

B.1-B.4	'ARTIFICIAL MOON CRATERS'
B.5-B.10	ARTIFICIAL SATELLITES
B.11	CAUSTICS
B.12-B.24	EARTH'S CORE
B.25-B.38	LIBRATIONS OF THE MOON
B.39-B.44	'MODIFIED LOMNITZ'
B.45-B.52A	NATURAL HISTORY
B.53-B.79	PROBABILITY AND STATISTICS
B.80, B.81	RADIOACTIVITY
B.82	ROTATION OF THE EARTH
B.83-B.85	SATURN'S SATELLITES
B.86-B.191	SEISMOLOGY
B.192-B.211	STANDARD EARTH MODEL
B.212-B.214	THERMOELASTIC WAVES
B.215-B.262	VARIATION OF LATITUDE
B.263-B.290	MISCELLANEOUS
B.291-B.316	THESES

Research, B.1-B.316

- |                  |  |                         |
|------------------|--|-------------------------|
| <b>B.1-B.4</b>   | <b>'ARTIFICIAL MOON CRATERS'</b>   | <b>1928, 1979, n.d.</b> |
|                  | <p>Contents of envelope so inscribed by Lady Jeffreys divided into four for ease of reference: photographs and photographic negatives, copy of Arhiv za Hemiju I Farmaciju, Zagreb, 1928 including paper by S. Mohorovicic, correspondence including letter from Mohorovicic, 1979, translations by Lady Jeffreys.</p> |                         |
| <b>B.5-B.10</b>  | <b>ARTIFICIAL SATELLITES</b>   | <b>1963, n.d.</b>       |
|                  | <p>Contents of envelope inscribed 'Theory of artificial satellite' by Jeffreys divided into six for ease of reference: manuscript working, drafts, a little correspondence, n.d.</p> <p>Includes off-print of 1963 paper.</p>  |                         |
| <b>B.11</b>      | <b>CAUSTICS</b>  | <b>1981, 1983</b>       |
|                  | <p>'Caustics 1981-1983 (Lapwood, Burrige)'. Contents of envelope so inscribed by Lady Jeffreys: correspondence with E.R. Lapwood, off-print of paper by Burrige etc.</p>   |                         |
| <b>B.12-B.24</b> | <b>EARTH'S CORE</b>  | <b>1968-1991, n.d.</b>  |
| <b>B.12-B.20</b> | <b>'Core'</b>  | <b>1968-1981</b>        |
|                  | <p>Contents of folder so inscribed divided into nine: off-prints, research report, data, correspondence, etc.</p>  |                         |
| <b>B.21-B.23</b> | <b>Correspondence and papers with S.G. Brush re Brush's historical work on the discovery of the earth's core</b>   | <b>1979-1980</b>        |
|                  | <p>3 folders.</p>  |                         |

**Research, B.1-B.316**

- |                   |   |                       |
|-------------------|---|-----------------------|
| B.24              | Manuscript working by Lady Jeffreys ?re Jeffreys's work on the earth's core.  | 1989, 1991, n.d.      |
| <b>B.25-B.38</b>  | <b>LIBRATIONS OF THE MOON</b>   | <b>1957-1971</b>      |
| B.25-B.28         | 'Moon's Librations'<br><br>Contents of envelope so inscribed by Jeffreys divided into four for ease of reference: correspondence, data, drafts re paper by Jeffreys 'On the figure of the moon', <i>MNRAS</i> , vol 122 (1961).   | 1961                  |
| B.29-B.38         | 'Physical Librations of the Moon'<br><br>Contents of folder so inscribed by Jeffreys divided into ten for ease of reference: data, drafts, correspondence, off-prints, proofs etc.<br><br>Jeffreys's paper 'The Moon's Librations' was published in <i>MNRAS</i> , vol 153 (1971).<br><br>The sequence includes Lady Jeffreys's translations from the Russian.                      | 1957-1971             |
| B.39-B.44         | 'MODIFIED LOMNITZ'<br><br>Contents of folder so inscribed by Jeffreys divided into six for ease of reference: data, manuscript working, manuscript drafts titled 'The secular accelerations of satellites', 'The damping of the Moon's librations', 'Rock-Creep - A correction', 'Rock creep & tidal friction and 'Rock Creep and Tidal Friction', correspondence, 1957, 1960, n.d. | 1957-1960, n.d.       |
| <b>B.45-B.52A</b> | <b>NATURAL HISTORY</b><br><br>Seven small black bound notebooks (B.45-B.51) and one notebook in red covers (B.52) used by Jeffreys for natural  | <b>1902-1915, n.d</b> |

**Research, B.1-B.316**

history notes.

Jeffreys natural history interests are reflected in early publications on the vegetation of Durham coal measure fells. See *J. Ecol.* vol 4 (1916) and *J. Ecol.* vol 5 (1917).

Much of the information below is taken from an unpublished article by Bertha Swirles Jeffreys 'Harold Jeffreys, F.R.S., Naturalist, (1891-1989)'.

- |      |   |            |
|------|---|------------|
| B.45 | 'Nature Calendar'   | 1902-1913  |
|      | Jeffreys listed plants and birds in the month in which he observed them.  |            |
|      | In use 1902-1913.   |            |
| B.46 | 'Plants'  | 1908-1915  |
|      | Lists plants observed in particular habitats. In use 1908-1915.   |            |
| B.47 | 'Birds'   | 1908-1912  |
|      | Records birds observed. In use 1908-1912.   |            |
| B.48 | 'Insects and spiders'   | 1909-1913  |
|      | Records insects and spiders observed. In use 1909-1913.   |            |
| B.49 | 'Hancock Prize Essays 1909, 1910'   | 1909, 1910 |
|      | The Hancock Prize was founded in 1896 at the suggestion of Canon Tristram of Durham, for an essay describing the observations in any branch of natural history made during the course of a day's ramble in the country or on the coast. In 1909 Jeffreys was awarded the second prize. In 1910 he shared the prize. |            |
|      | Both essays are in the notebook: 'A ramble in late August in the Birtley district' and 'A visit to Fatfield in quest of natural objects, June 11th, 1910'.  |            |



**Research, B.1-B.316**

B.50	'Mammals Reptiles Amphibia & Fish'	1911-1913
	Records of observations 1911-1913. Most pages unused.	
B.51	'Natural Orders'	N.d.
	Lists species in their natural orders from a Flora and notes where Jeffreys observed them.	
B.52	'Engler's Classification'	N.d.
	Notebook so titled on the first page used.	
B.52A	Untitled notebook used for botanical notes	N.d.
	With note attached to front cover being compliments slip of the Curator, Herbarium, Botany School, Cambridge inscribed 'With many thanks for loan Max Walters'.	
	This notebook was found apart from those at B.45-B.52 and may have become separated as a consequence of the loan to Walters.	
<b>B.53-B.79</b>	<b>PROBABILITY AND STATISTICS</b>	<b>1923-1996</b>
B.53	'Working for Annals of Eugenics 11, pt 2, 108-114, 1941'	N.d.
	Identification by Lady Jeffreys, November 1989.	
B.54-B.69	'Probability, statistics and entropy'	1923-1996
	Contents of box folder so labelled by Lady Jeffreys.	
B.54	Letter from A. Landé, 27 August 1968 and copy of Landé's paper 'Fact and Fiction in Quantum Mechanics'.	1968
B.55	'Lindley 1985 On re-reading Jeffreys Pacific Statistical Congress Auckland'. Contents of envelope so inscribed by Lady Jeffreys.	1985

Research, B.1-B.316

- B.56                    'Phil. Mag with D. Wrinch'                    1923, 1982, n.d.
- Contents of envelope so inscribed by Lady Jeffreys. Includes undated draft letter from Jeffreys to Henry [?Daniels] *re* his joint papers with Dorothy Wrinch, 1919-1923, and copies of the papers.
- B.57                    'Statistics'                    1980, 1982
- Contents of envelope so inscribed by Lady Jeffreys: letter from D.V. Hinkley, 13 April 1982, and papers by Hinkley relating to likelihood and pivotal inference, 1980, 1982.
- B.58                    'Zellner et al. Brought from DAMTP [Department of Applied Mathematics and Theoretical Physics] 1995'                    1978
- Contents of envelope so inscribed by Lady Jeffreys: correspondence and papers, 1978.
- Includes manuscript draft by Jeffreys 'Some general points in Probability Theory' and table of contents for *Bayesian Analysis in Econometrics and Statistics: Essays in Honor of Harold Jeffreys*. The volume of essays was edited by Arnold Zellner. See also B.59-B.66.
- B.59-B.66            'Zellner (correspondence with Dover [Publications Inc.] included)'                    1979-1996
- Contents of folder so inscribed by Lady Jeffreys divided into eight for ease of reference: correspondence and papers, 1979-1996.
- Includes correspondence *re* volume of essays edited by Zellner in Jeffreys's honour. See also B.58.
- Correspondence with Dover relates to their possible *re*-publication of Jeffreys's *Theory of Probability*.
- Correspondence, 1991-1996, is between Zellner and Lady Jeffreys.
- B.67                    Letter from A Zellner to Jeffreys, 17 April 1985, with 'paper by Berger and Sellke that takes up significance testing' and programme for Bayesian Seminar, Minneapolis, May 1985.

**Research, B.1-B.316**

- |           |  |                 |
|-----------|--|-----------------|
| B.68      | Letter from A. Zellner to Lady Jeffreys, 9 September 1991, with copy of Zeller's American Statistical Association Presidential Address, 'Statistics, Science and Public Policy', August 1991.          | 1991            |
| B.69      | Miscellaneous papers found loose in box folder   | 1979, n.d.      |
| B.70-B.79 | 'Probability, Statistics and Maximum Entropy'<br><br>Contents of box folder so inscribed by Lady Jeffreys.   | 1972-1989       |
| B.70-B.73 | 'Maximum Entropy Jaynes Kendall'<br><br>Contents of folder so labelled by Lady Jeffreys divided into four for ease of reference: duplicated papers, correspondence, 1977, 1981, n.d.                   | 1977-1981, n.d. |
| B.74-B.79 | Miscellaneous correspondence, drafts, off-prints found loose in box folder<br><br>6 folders.<br><br>At B.74 is a 2pp manuscript note by Jeffreys titled 'Probability Theory'.                          | 1972-1989       |
| B.80-B.81 | <b>RADIOACTIVITY</b><br><br>'Radioactivity Jacobs'. Contents of envelope so inscribed by Lady Jeffreys divided into two for ease of reference: correspondence with J.A. Jacobs and others, off-prints. | 1950-1985       |
| B.82      | <b>ROTATION OF THE EARTH</b><br><br>'Rotation of the Earth since 1973 Newton, Morrison, Muller'. Contents of envelope so inscribed by Jeffreys: manuscript notes, correspondence etc.                  | 1972-1973       |

Research, B.1-B.316

B.83-B.85	<b>SATURN'S SATELLITES</b>	1924, n.d.
	<p>'Saturn Satellites'. Contents of folder so labelled by Lady Jeffreys divided into three for ease of reference: manuscript working, n.d; letter from colleague at Leiden, 1924.</p>	
B.86-B.191	<b>SEISMOLOGY</b>	1930s-1991
B.86-B.98	Papers found together	1930s-1991
B.86-B.89	<p>'Lists of stations for earthquakes 1928, 1931, 1932'</p> <p>Contents of plastic folder so labelled by Lady Jeffreys divided into four for ease of reference; also labelled '1935, 1939' and 'CP2 [Collected Papers volume 2] pp26-31, 375, 430'.</p>	1930s
B.90	<p>'Tables for MNGS 4, p498 CP2 pp410-445 Times of P,S and SKS and Velocities of P and S.'</p> <p>Contents of plastic folder identified by Lady Jeffreys, October 1989.</p> <p>Includes letter from Scientific Computing Services Ltd, 15 December 1938.</p>	1938
B.91	<p>'Negatives for "Deep-focus Earthquakes" 1939 Ergebnisse d. Kosmische Physik 4, 75-105 (p.80, CP2 p.490)'</p> <p>Contents of envelope so inscribed by Lady Jeffreys.</p>	
B.92	<p>'Burton-on-Trent explosion 1944 Nov. 27'</p> <p>Contents of plastic folder so labelled by Lady Jeffreys, also labelled '1947' by her: correspondence and papers <i>re</i> MNGS, 5, 99-104 CP2, 571. 1947.</p> <p>Includes note by Jeffreys for the Ministry of Home Security Research and Experiments Department on 'Seismic Aspects of the Hanbury Explosion, 1944 Nov 27th, 10h'.</p>	1944-1945, n.d.

**Research, B.1-B.316**

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|-------------|--|-----------------|
| B.93-B.94   | 'Working for Times of P in Japanese and European Earthquakes MNGS, 6, 557-65, 1954 CP 605'   | c.1954          |
|             | Contents of plastic folder so labelled by Lady Jeffreys divided into two for ease of reference.  |                 |
| B.95        | 'BASIC 1983'   | 1982-1984       |
|             | Contents of folder so labelled: correspondence and drafts <i>re</i> Jeffreys's contributions to the 1982 and 1983 Annual Reports of the British Association for the Advancement of Science Seismological Investigations Committee. |                 |
| B.96        | 'New Tables Kennett Hudson Bolt'   |                 |
|             | Contents of envelope so inscribed by Lady Jeffreys: report, correspondence, 1988-1989.   |                 |
| B.97        | Letter from J.A. Hudson to Lady Jeffreys, 20 August 1991, enclosing copy of paper on traveltimes for global earthquake location and phase identification   | 1991            |
| B.98        | Correspondence, 1991, with B.L.N. Kennett <i>re</i> IASPEI 1991 Seismological Tables   | 1991            |
| B.99-B.107  | Papers found together  | 1970s           |
| B.99-B.102  | Ranbir Singh Sidhu and Manohan Gogna'  | 1974-1978, n.d. |
|             | Contents of folder so inscribed by Lady Jeffreys divided into four for ease of reference: correspondence, data, etc.   |                 |
|             | Sidhu and Gogna worked as research assistants for Jeffreys for periods in the 1970s. Sidhu subsequently moved to the Netherlands.  |                 |
| B.103-B.106 | 'Various offprints & letters found with Ranbir [Singh Sidhu] and Manohan [L. Gogna]. Mostly Pacific, PKP Haddon, Adams, Randall and others 1970s'  | c.1971-1979     |
|             | Contents of folder so inscribed by Lady Jeffreys divided into four for ease of reference.  |                 |

**Research, B.1-B.316**

- |             |   |           |
|-------------|---|-----------|
| B.107       | Large format 'schetsboek' inscribed with the name of the scientist on the front cover 'Ranbir Singh Sidhu'<br><br>Used for data: depth, date, time, magnitude, ISC refs etc for events, 1968-1972.  |           |
| B.108-B.135 | Papers found together<br><br>The material (data, manuscript working, drafts and correspondence) relate to the paper Jeffreys published with M.L. Gogna and M. Shimshoni 'Seismic travel times for Central Asian Epicentres', <i>GJRAS</i> vol 63 (1980), 577-599.                       | 1962-1989 |
| B.108-B.116 | '1977-1980 Jan. Letters between HJ and MS [Shimshoni] with some working Letter to Savage [Royal Astronomical Society] 1980 Jan 22 & acknowledgement <i>GJRAS</i> vol 63 (1980), 577-599'<br><br>Contents of folder so labelled by Lady Jeffreys divided into nine for ease of reference | 1977-1980 |
| B.117-B.127 | 'Preliminary working for G.J. - Shimshoni. <i>GJRAS</i> (1980), 63, 577-599'<br><br>Contents of folder so labelled by Lady Jeffreys divided into eleven for ease of reference: correspondence, manuscript working etc.  | 1977-1979 |
| B.128       | 'Tables computed by Shimshoni in 1962. Referred to in <i>GJRAS</i> (1980) p.581'<br><br>Identification by Lady Jeffreys.  | 1962      |
| B.129-B.131 | Correspondence, referees' reports and drafts <i>re GJRAS</i> vol 63 (1980), 577-599<br><br>3 folders  | 1979      |
| B.132-B.135 | Miscellaneous correspondence and papers   | 1967-1989 |

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**Research, B.1-B.316**

- /... 1989 correspondence (B.134) is between M. Shimshoni and Lady Jeffreys.  
4 folders.
- B.136-B.158 Papers found together 1977-1984  
The material (data, manuscript working, drafts and correspondence) relates to the paper Jeffreys published with R.A.W. Haddon 'Travel Times for Pacific Earthquakes', *GJRS* vol 72 (1983), 273-291.
- B.136 'Pacific Earthquakes. Correspondence with Gogna (Manohan) 1978-80. Some MS no date' 1978-1980, n.d.  
Contents of folder so labelled by Lady Jeffreys.
- B.137 'Pacific Earthquakes' 1978-1982, n.d.  
Contents of folder so labelled by Lady Jeffreys: correspondence with colleagues including R.S. Anderson, B.A. Bolt and Walter Munk.
- B.138-B.139 'Correspondence with Haddon et al 1978-1982' 1978-1982, n.d.  
Contents of folder so labelled by Lady Jeffreys divided into two for ease of reference. Includes (B.138) note by Lady Jeffreys, November 1989.
- B.140-B.141 'Correspondence with Haddon and Shimshoni 1983-4' 1983-1984  
Contents of folder so labelled by Lady Jeffreys divided into two for ease of reference.
- B.142 'Correspondence about proofs Jeffreys & Haddon *GJRS* (1983) 72 Pacific Earthquakes' 1982  
Contents of folder so labelled by Lady Jeffreys. Includes manuscript note by Lady Jeffreys, November 1989.

Research, B.1-B.316

- B.143-B.146 'Jeffreys & Haddon GJ 72 (1983) Drafts'
- Contents of folder so labelled by Lady Jeffreys divided into four for ease of reference: manuscript and typescript notes and drafts.
- B.147-B.149 'Typescripts GJRAS (1983) 72, 273-281' 1981, 1983
- Contents of folder so labelled by Lady Jeffreys divided into three for ease of reference.
- An off-print of the published paper is at B.147.
- B.150-B.154 'Pacific Earthquakes Some of H.J.'s preliminary working' 1977-1980, n.d.
- Contents of folder so labelled by Lady Jeffreys divided into five for ease of reference. Includes note by Lady Jeffreys, November 1989.
- B.155-B.157 'Computations by R.A.W. Haddon GJRAS (1983) 72'. 1978-1979
- Contents of folder so labelled by Lady Jeffreys divided into three for ease of reference.
- B.158 'Jeffreys & Haddon GJRAS 72 (1983) Pacific Earthquakes / O'Donohue's computations [University of Cambridge Computer Laboratory]' 1981
- Contents of folder so labelled by Lady Jeffreys.
- B.159-B.182 Papers found together 1982-1987, n.d.
- The material (data, manuscript working, drafts and correspondence) relates to papers Jeffreys published with M Shimshoni, 1984 and 1987.
- B.159-B.164 'Distant P and PKP' 1982-1984
- Contents of an envelope so labelled by Lady Jeffreys divided into six for ease of reference: correspondence, data, drafts, etc *re* paper of this title by Jeffreys and M. Shimshoni, *GJRAS* vol 77(1984), 271-273.



Research, B.1-B.316

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|-------------|--|-----------------|
| B.165       | 'Regional seismic travel times for central Asian epicentres'   | 1982-1984       |
|             | Contents of folder so inscribed by Lady Jeffreys: correspondence, typescript of paper so titled by Jeffreys and Shimshoni, <i>GJRAS</i> vol 79 (1984), 773-8.  |                 |
| B.166       | 'Explosions East of Rockies / Notes'   | N.d.            |
|             | Contents of envelope so inscribed by Lady Jeffreys: data.  |                 |
| B.167-B.182 | Correspondence and papers <i>re</i> paper by Jeffreys and Shimshoni 'On regional differences in seismology', <i>GJRAS</i> vol 88 (1987), 305-309   | 1982-1987       |
|             | 16 folders.  |                 |
| B.183-B.191 | Miscellaneous  | N.d., 1961-1972 |
| B.183-B.185 | Contents of three small ring-back binders  | N.d.            |
|             | The labels on the front covers are reproduced in the entries below.  |                 |
| B.183       | '1950 Sept 5'  |                 |
| B.184       | '1951 May 15'  |                 |
| B.185       | '1962 Jan 7'   |                 |
| B.186-B.191 | 'H.O. Wood Fund'   | 1961-1972       |
|             | Contents of folder so inscribed by Lady Jeffreys divided into six for ease of reference: correspondence, reports, notes of expenses etc.   |                 |
|             | H.O. Wood Fund awards were intended 'to enable the recipient to carry on purposeful investigations intended to promote advancement of knowledge in the geological aspects of seismology'. Jeffreys was invited to make a proposal to the awards committee in December 1961. The Fund was administered by the Carnegie Institution of |                 |
|             |  | /...            |

**Research, B.1-B.316**

/...	Washington, D.C.	
<b>B.192-B.211</b>	<b>STANDARD EARTH MODEL</b>	<b>1971-1983</b>
B.192, B.193	'Correspondence of 1970s on Standard Earth Model. S.J.C'  Contents of folder so labelled by Lady Jeffreys divided into two for ease of reference: correspondence, 1971-1973.	1971-1973
B.194-B.199	'Correspondence about the Standard Model 1977-1983'  Contents of folder so labelled by Lady Jeffreys.	1977-1983
B.194	1977	
B.195	1978	
B.196	1979-1980	
B.197	1981	
B.198	1982	
B.199	1983	
B.200-B.204	'Miscellaneous writings about Standard Earth Model'  Contents of folder so labelled by Lady Jeffreys divided into five for ease of reference.  Includes manuscript draft letters by Jeffreys, minutes of 'Standard Earth Model Committee IAG and IASPEI' and correspondence and papers <i>re</i> 'Earth Models', <i>GJRAS</i> vol 74 (1983), 5.	1981-1983, n.d.

**Research, B.1-B.316**

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|-------------|---|--------------------|
| B.205-B.211 | Duplicated and printed papers by others<br><br>Relate to the work of the Standard Earth Model Committee IAG and IASPEI.   | 1977-1983          |
| B.212-B.214 | <b>THERMOELASTIC WAVES</b><br><br>'P. Chadwick et al. Thermoelastic Waves'. Contents of folder so inscribed by Lady Jeffreys divided into three for ease of reference: manuscript working, off-prints, correspondence, 1965-1966, 1990.<br><br>1990 correspondence is between Chadwick and Lady Jeffreys.   | 1965-1966,<br>1990 |
| B.215-B.262 | <b>VARIATION OF LATITUDE</b><br><br>Contents of box labelled 'Variation of Latitude Vicente'.   | 1940-1988          |
| B.215-B.219 | Off-prints by Jeffreys and others, and draft report by IAU working group<br><br>5 folders.  | 1940-1980, n.d.    |
| B.220-B.233 | 'Papers with [R.O.]Vicente'<br><br>Contents of large paper bag so inscribed by Jeffreys divided into fourteen for ease of reference: manuscript working, drafts, correspondence, 1950-1956. In original order.<br><br>The container was also labelled by Lady Jeffreys 'Brought from College October 1989'. | 1950-1956, n.d.    |
| B.234       | Contents of folder<br><br>Correspondence etc.   | 1966-1975          |

**Research, B.1-B.316**

B.235	Contents of envelope Correspondence with Vincente and others.	1967-1987
B.236-B.241	Contents of folder Correspondence, principally with Vincente.	1967-1988
B.236	1967-1969	
B.238	1976-1980	
B.239	1981-1982	
B.239	1983	
B.240	1983-1985	
B.241	1986-1988	
B.242-B.251	'Damping' Contents of folder so inscribed by Jeffreys divided into ten for ease of reference: data, off-prints, correspondence. Presented as found. Correspondents include D.L. Anderson and C.L. Pekeris.	1961-1978
B.252-B.255	Contents of bundle Off-print, draft, data, correspondence etc <i>re</i> Jeffreys's paper 'The variation of latitude', <i>MNRAS</i> , vol 141(1968), 255-268. 4 folders.	1967-1968

**Research, B.1-B.316**

B.256-B.262	Correspondence and data  7 folders.  Includes large format computer print-outs.	1984, 1986
<b>B.263-B.290</b>	<b>MISCELLANEOUS</b>	<b>1924-1982, n.d.</b>
B.263	'Found in E.R. Lapwood & T. Usami "Free oscillations of the earth", CUP 1981'  Contents of folder so labelled by Lady Jeffreys: typescript notes with manuscript inscription at the top of first page 'ERL ?1974 (BJ 1988)', off-print, 1969.	1969, ? 1974
B.264	'H.J.'s Notes on Lamb's Hydrodynamics'  Contents of envelope so inscribed by Lady Jeffreys.	N.d.
B.265-B.266	'C.G. Darwin'  Contents of folder so inscribed divided into two for ease of reference: off-print of paper by Darwin on 'The optical constants of matter', 1924; manuscripts by Darwin; letter from French colleague returning his (Darwin's) script, 6 February 1937.	1924, 1937
B.267-B.273	Manuscript data ? <i>re</i> seismological investigations  7 folders.	N.d.
B.274-B.284	'Collections of rough working'  1 bundle of manuscript working so labelled by Lady Jeffreys divided into eleven for ease of reference.  Lady Jeffreys described the contents of the bundle as put together by her 'when we went to live in St John's for a month in 1982 July'.	1981-1982, n.d.

**Research, B.1-B.316**

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|--------------------|---|-------------------|
| B.285-B.290        | Manuscript notes, annotated papers, etc.<br><br>6 folders.<br><br>B.288 is the contents of folder inscribed by Lady Jeffreys 'Moscow Translations' and 'Kogan'.<br><br>B.289 is contents of folder inscribed by Lady Jeffreys 'Translation by BJ of paper by Lyustrikh'.  | 1946-1980, n.d.   |
| <b>B.291-B.316</b> | <b>THESES</b>   | <b>1949, 1965</b> |
| B.291-B.301        | 'Some properties of distributions admitting sufficient statistics'<br><br>Manuscript draft of dissertation 'submitted for the degree of Doctor of Philosophy in the University of Cambridge April 1949'. By V.S. Huzurbazar.<br><br>In the preface Huzurbazar expressed his 'deepest gratitude to Prof. Harold Jeffreys, F.R.S., whose constant encouragement, suggestions and criticism have benefited me greatly'.<br><br>Contents of binder divided into eleven for ease of reference. | 1949              |
| B.302-B.316        | 'Revision of the Seismological Tables'<br><br>Dissertation 'submitted to the University of Cambridge for the degree of Doctor of Philosophy'. By E.P. Arnold, King's College. Cambridge, October 1965.  | 1965              |
| B.302-B.305        | Volume I  |                   |
| B.302-B.304        | Typescript with manuscript correction. Photocopy<br><br>3 folders.  |                   |
| B.305              | Photocopied pages from second copy of Volume I  |                   |

**Research, B.1-B.316**

B.306-B.316

Volume II

11 folders.

There is manuscript working by Jeffreys at B.309.

SECTION C	LECTURES, C.1-C.35	1945-1982
C.1-C.6	'Occasional lectures'  Contents of folder so inscribed by Jeffreys	1945-1978, n.d.
C.1	'Commemoration Sermon'  7pp typescript with manuscript correction and addition. With attached postcard dated 27 January 1945.	1945
C.2	4pp typescript speech by Jeffreys on the occasion of the award of the Vetlesen Prize for Earth Science Achievement; 3pp manuscript draft.	[1962]
C.3	'Probability Theory in Seismology'  13pp typescript draft + 3pp manuscript notes. The first page is inscribed by Lady Jeffreys 'Cf J. Inst. Maths. Applics. (1977) 19, 87-96' and 'Given at Rehovot?'	? 1977
C.4	'Cambridge Mathematics since 1910'  Photocopied pages of published text by Jeffreys and Lady Jeffreys: <i>Eureka</i> vol 39 (1978).	1978
C.5	'Discussion on Planetary Atmospheres. Introduction'  5pp typescript draft. See also C.16.	N.d. [1957]
C.6	'On the Psychological Significance of Death Duties'  8pp typescript and manuscript draft.	N.d.
C.7-C.29	'Various addresses'  Contents of folder labelled by Lady Jeffreys. Almost all the 'addresses' are undated and are presented in alphabetical order by title.	1957, 1959, n.d.



Lectures, C.1-C.35

C.7	'An applied mathematician looks at pure mathematics' 8pp manuscript draft.	N.d.
C.8	'Continental Drift' 5pp typescript and manuscript draft; 4pp typescript draft.	N.d.
C.9	'The duties of an applied mathematician' 13pp manuscript draft.	N.d.
C.10	'Fisher and inverse probability' 6pp manuscript draft and notes, latest bibliographical reference, 1967.	N.d.
C.11	'Half a century in Geophysics' 6pp typescript with manuscript addition and correction beginning 'At the middle of the century ...'.	N.d.
C.12	'Johnian Mathematics 1910-1914' 5pp typescript.	N.d.
C.13	'Mountain Formation' 9pp typescript; letter from J.T. Wilson, 15 September 1959 <i>re</i> Jeffreys speaking about his theory of mountain formation.	1959
C.14	'Nutation' 7pp manuscript draft	N.d.
	'Nutation & variation of latitude' 3pp manuscript draft.	N.d.

Lectures, C.1-C.35

C.15	'Origin of Solar System'  5pp manuscript draft.	N.d.
C.16	'Discussion on Planetary Atmospheres - Introduction'  3pp manuscript draft; programme of Royal Meteorological Society and Royal Astronomical Society joint meeting on 'Planetary Atmospheres and Convection in Rotating Fluids', 23-24 May 1957; selected bibliography on convection in rotating fluids.  The programme indicates that Jeffreys introduced the first session, outlining the history of the problem.	1957
C.17	'The Porridge Problem'  3pp typescript draft; 5pp manuscript draft.	N.d.
C.17A	'The revision of seismological tables'  9pp manuscript draft.	N.d.
C.18	'Saturn'  4pp typescript with manuscript correction.	N.d.
C.19	'Scientific Method and Philosophy'  25pp text, typescript and pages from published text.	N.d.
C.20	'The simple pendulum [?in] the resonance case'  5pp manuscript draft + 1p manuscript headed 'Resonance in satellite theory'	N.d.
C.21	'The strength of the Earth'  5pp manuscript draft; 8pp typescript and manuscript draft.	N.d.

Lectures, C.1-C.35

C.22	'The structure of the Earth'  9pp typescript	N.d.
C.23	'Thermal instability and its geophysical applications'  8pp typescript and manuscript draft.	N.d.
C.24	'Unsolved problems in Seismology'  8pp typescript draft; 3pp manuscript draft titled 'Seismology - Unsolved Problems'.	N.d.
C.25	3pp typescript reminiscences ? for St John's College occasion + 2pp typescript on the 'Lambton Worm' + manuscript notes.	N.d.
C.26	7pp manuscript draft on aspects of probability theory	N.d.
C.27	6pp manuscript draft headed 'Geol Soc. abstract'	N.d.
C.28-C.29	Miscellaneous shorter manuscript and typescript notes and drafts  2 folders.  At C.28 is a duplicated typescript list headed 'Occasional Lectures'	N.d.
C.30	'H.J. Notes of talks to SJC Fellows 1981 R.A.S 1981 Adams Society 1982'  Contents of envelope so inscribed by Lady Jeffreys: manuscript and typescript drafts including drafts for St John's College Cambridge and the Royal Astronomical Society and typescript draft headed 'Geophysics in Japan'.	1981-1982

**Lectures, C.1-C.35**

C.31-C.35	Other lectures and addresses	1959, n.d.
C.31	Lectures given at the University of Sydney, 1959  Typescripts copies made available to Lady Jeffreys by University of Sydney Archives  Jeffreys lectured on 'The Porridge Problem, 'Saturn' and The Structure of the Earth'. There is also a biographical note introducing Jeffreys.	1959
C.32	'Probability Theory in Geophysics'  Transparencies only. Not in Jeffreys's hand.	N.d.
C.33-C.35	Manuscript draft divided into three for ease of reference.  This manuscript may relate to Jeffreys's university teaching.	N.d.

**SECTION D                      PUBLICATIONS, D.1-D.404                      1909-1999**

- D.1-D.226                      BOOKS
- D.227-D.304                      SHORTER PUBLICATIONS
- D.305-D.391                      OFFPRINTS
- D.392-D.404                      CORRESPONDENCE WITH PUBLISHERS

**D.1-D.226                      BOOKS                      1924-1999**

- D.1-D.70                      *The Earth its origin history and physical constitution*  
Cambridge: University Press, 1924 (2nd edition 1929, 3rd  
edition 1952, 4th edition 1959, 4th edition 1962, 5th  
edition 1970, 6th edition 1976)                      1924-1989
- D.1-D.2                      Reviews, First edition                      1924-1925  
  
2 folders.
- D.3                      Reviews, Third edition (1952)                      1953
- D.4                      Fourth edition (1959, 1962)                      1959-1960, n.d.  
  
Reviews; 1p manuscript note found in copy of 4th edition  
(1962).
- D.5-D.6A                      Fifth edition (1970)                      1967-1974, n.d.
- D.5                      Publisher's advance information sheet for *The Earth* (Fifth  
edition)                      1967  
  
5pp photocopy dated as received 28 December 1967.
- D.6                      Reviews                      1970-1974

**Publications, D.1-D.404**

D.6A	Manuscript notes, letter to the Editor of <i>Nature</i> found in copy of the Fifth Edition (1970)	N.d., 1974
D.7-D.70	Sixth edition (1976)	1973-1989
D.7, D.8	Correspondence with Cambridge University Press <i>re</i> preparation of Sixth edition  2 folders.	1973-1976
D.9-D.15	'Damping of variation of latitude 1974 - '  Contents of folder so inscribed by Jeffreys divided into seven for ease of reference: correspondence, manuscript working etc.  At D.7 is a note by Lady Jeffreys explaining that this file was 'concerned with the 6th edition of <i>The Earth</i> pp 348-363'.	1974-1975
D.16-D.22	Contents of folder divided into seven for ease of reference: correspondence and papers <i>re</i> preparation of Sixth edition	1974-1975
D.23	Disbound copy of Fifth edition annotated in the course of preparation of Sixth edition	N.d.
D.24-D.31	Photocopied pages from Fifth edition annotated in the course of the preparation of the Sixth edition  8 folders.	N.d.
D.32-D.35	Typescript notes of additions, corrections, replacements etc for Sixth edition  4 folders.	N.d.

**Publications, D.1-D.404**

D.36-D.42	Typescript notes etc additions, corrections, replacements etc for Sixth edition  7 folders.	N.d., 1975
D.43-D.48	Photocopied typescript notes of additions, corrections, replacements etc for Sixth edition  6 folders.	N.d.
D.49-D.53	'First Proofs and Correspondence with the Press'  Contents of bundle so labelled by Lady Jeffreys divided into five for ease of reference.	1974-1976
D.54-D.59	Manuscript notes, correspondence with Cambridge University Press etc  6 folders.	1976
D.60	Publisher's Advance Information Sheet, review list, etc.	1976, n.d.
D.61	Reviews	1975-1977
D.62	Correspondence <i>re</i> Chinese edition	1980, 1986
D.63	Miscellaneous correspondence	1982-1989
D.64-D.69	Typescript draft, manuscript notes etc  May relate to revision/correction of 6th edition of <i>The Earth</i> and/or replying to criticism of R.A. Lyttleton. Includes notes dated in 1982 and 1984.  6 folders.	1981-1984

**Publications, D.1-D.404**

D.70	Jeffreys's copy of the 6th edition of <i>The Earth</i> with manuscript correction  Enclosed loose at the front and rear and at various points within the book are correspondence, manuscript and typescript notes, photographs, etc	1976-1984
D.71, D.72	<i>Cartesian Tensors</i> , Cambridge University Press, 1931 (reissue 1961)	1962, n.d.
D.71	Reviews of 1961 reissue	1962
D.72	Manuscript notes from 1965 reprinting (between pp66 and 67)	N.d.
D.73-D.95	<i>Scientific Inference</i> , Cambridge University Press, 1931 (reissue 1937, 2nd 1957, 3rd 1973)	1932-?1978
D.73	Reviews of first edition 1931 and 1937 issue.	1932, 1937
D.74, D.75	Reviews of second edition (1957)  Contents of folder divided into two for ease of reference. Includes a little correspondence (D.75).	1957-1960
D.76-D.95	Third Edition (1973)	1937-?1978
D.76-D.83	'Scientific Inference 3d edition'  Contents of file so labelled by Lady Jeffreys divided into eight for ease of reference. Principally correspondence with colleagues, 1937-?1978 (bulk 1970-1972).	1937-?1978
D.84	'Scientific Inference 3rd edition Correspondence with CUP'  Contents of folder so labelled by Lady Jeffreys.	1971-1973



Publications, D.1-D.404

D.85-D.93	'Sci. Inf.'  Contents of folder so inscribed by Jeffreys divided into nine for ease of reference: manuscript and typescript notes and drafts, proof, etc <i>re</i> 3rd edition.	N.d., 1972
D.94	Reviews	1974-1976
D.95	Manuscript notes and duplicated typescript found in copy of <i>Scientific Inference</i> , 3rd edition	N.d.
D.96	<i>Earthquakes and Mountains</i> , London: Methuen, 1935  Review	c.1935
D.97-D.100	<i>Theory of Probability</i> , Oxford: Clarendon Press, 1939 (2nd edition 1948, 3rd edition 1961, 3rd edition corr. 1967, 3rd edition with corrections 1983)	1939-1992
D.97	Reviews of first edition	1939-1940
D.98	Review of 3rd edition	c.1961
D.99, D.100	Correspondence and papers <i>re</i> 1983 reprinting of 3rd edition with corrections and possible Russian translation  2 folders.	1982-1992
D.101-D.109	<i>Seismology Tables</i> (with K.E. Bullen), British Association Seismological Investigations Committee, 1940 (reprinted 1958, 1967, 1970, 1988)	1958-1995
D.101	Much used copy of 1958 reprinting.  This may be the copy referred to by Lady Jeffreys in her letter of 24 May 1990 see D.108	1958

**Publications, D.1-D.404**

- D.102, D.103      Photocopy of 1970 reprinting with manuscript correction  
etc for 1988 reprinting.  
  
2 folders.
- D.104-D.108      Correspondence, principally *re* 1988 reprinting.      1983-1995  
  
5 folders.
- D.109      Miscellaneous papers. Principally *re* 1988 reprinting.      1987-1988
- D.110-D.162      *Methods of Mathematical Physics* (with Bertha Swirles  
Jeffreys) Cambridge University Press, 1946 (2nd ed.  
1950, 3rd ed. 1956, paperback reprint of 3rd ed. 1972)      1943-1999
- D.110-D.117      Manuscript notes and drafts ? for first edition      1943, n.d.  
  
Contents of folder divided into eight for ease of reference.  
At D.110 is a letter from A.E. Ingham to Jeffreys, 20  
December 1943 and at D.115 a letter from H.J. to Bertha,  
16 July, no year.
- D.118-D.135      'M.M.P. H.J.s solutions Very faint'      1945-1956, n.d.  
  
Contents of folder so labelled by Lady Jeffreys divided into  
eighteen for ease of reference: manuscript notes,  
solutions, reviews of the 3rd edition.  
  
At D.133 is a letter from C.R. Gent, 26 October 1954.  
  
At D.135 'Abstract of unconfirmed minutes of Council', 4  
October 1945 with manuscript notes on verso.
- D.136-D.156      Proofs, manuscript notes, correspondence with colleagues      1951-1954, n.d.  
*re* 3rd edition  
  
Correspondents include A.S. Besicovitch.  
  
19 folders.
- D.157      Correspondence *re* Russian edition      1968-1969

**Publications, D.1-D.404**

- |             |  |           |
|-------------|--|-----------|
| D.158-D.162 | Correspondence, principally <i>re</i> 1972 paperback edition<br><br>5 folders.   | 1972-1999 |
| D.163       | <i>Asymptotic Approximations</i> , Oxford: Clarendon Press,<br>1962<br><br>Review.   | 1962      |
| D.164-D.226 | <i>Collected papers of Sir Harold Jeffreys on Geophysics<br/>and Other Sciences</i> (with Bertha Swirles, Lady Jeffreys),<br>London: Gordon and Breach Science Publishers, 6v.,<br>1971-1977   | 1924-1997 |
| D.164-D.167 | 'Gordon & Breach etc'<br><br>Contents of folder so inscribed by Lady Jeffreys divided<br>into four for ease of reference; correspondence <i>re</i> original<br>agreement with Gordon & Breach Science Publishers,<br>correspondence arising from Gordon & Breach filing for<br>bankruptcy in New York, etc.<br><br>At D.164 is an explanatory note by Lady Jeffreys. | 1968-1976 |
| D.168-D.171 | 'Gordon & Breach'<br><br>Contents of folder so inscribed: agreement, royalties etc.<br><br>4 folders.  | 1969-1981 |
| D.172-D.190 | Correspondence etc with publisher and others.<br><br>The sequence includes a number of manuscript drafts of<br>letters by Jeffreys and his letters to journal editors etc<br>requesting permission for papers to be republished in the<br>volumes of his collected papers.<br><br>19 folders.  | 1969-1976 |
| D.191       | 'Gordon & Breach Duplicates'<br><br>Contents of envelope so inscribed by Lady Jeffreys:<br>miscellaneous papers <i>re</i> Gordon & Breach Science<br>Publishers Inc filing for bankruptcy.   | 1974      |

**Publications, D.1-D.404**

D.192, D.193	'Collected Papers of H.J.'	1975-1976
	Contents of folder so inscribed by Lady Jeffreys divided into two for ease of reference: correspondence and papers <i>re</i> volume 5 published 1976.	
D.194, D.195	Correspondence with publisher <i>re</i> volume 6 published in 1977	1976-1977
	2 folders.	
D.196-D.201	'Collected Papers'	1977
	Contents of folder so inscribed by Lady Jeffreys: correspondence and papers <i>re</i> press reception, chronological list of papers, etc.	
	6 folders	
D.202	'Section V CP3 Copies of notes, summaries, etc'	1941, 1959, n.d.
	Contents of folder so inscribed by Lady Jeffreys. Includes off-print and letter pointing out numerical inconsistencies in another paper.	
D.203-D.207	'Working etc for CP3 Section VI in particular'	1931-1989
	Contents of folder so inscribed by Lady Jeffreys divided into five for ease of reference. Includes off-prints.	
D.208-D.215	'H.J. Vol. 6 Various working XIX, I, 8 Errata Vol 3'	1924-1981
	Contents of folder so inscribed by Lady Jeffreys divided into eight for ease of reference. Includes correspondence and off-prints.	
D.216-D.219	Bibliographies	
	Include annotated copy of the published chronological list of collected papers (D.219). The list of papers not included in the collected papers is extended to 1984.	
	4 folders.	

**Publications, D.1-D.404**

D.220	Annotated off-prints etc found with Collected Papers material.	1937-1973
D.221	Proof  Volume 2 General Introduction and contents lists only.	
D.222	List of those to whom complimentary copies sent and acknowledgements of complimentary copies.	1972-1977
D.223-D.225	Reviews  3 folders.	1974-1979
D.226	Miscellaneous notes, correspondence etc. found in the Collected Papers	1983, 1997, n.d.
<b>D.227-D.304</b>	<b>SHORTER PUBLICATIONS</b>	<b>1909-1991</b>
D.227	'On the theory of errors and least squares', <i>Proceedings of the Royal Society, A</i> , vol.138, 1932  Off-print with manuscript notes enclosed.	1932
D.228	'On the relation between direct and inverse methods in statistics', <i>Proceedings of the Royal Society, A</i> , vol 160, 1937  'Corrected' off-print with manuscript notes enclosed.	1937
D.228A	'On approximate solutions of linear differential equations', <i>Proc. Camb.Phil.Soc.</i> , 1953.  Typescript draft with manuscript corrections and additions.	1953

**Publications, D.1-D.404**

- |              |   |               |
|--------------|---|---------------|
| D.229-D.235  | 'The theory of nutation and the variation of latitude' (with R.O. Vicente), <i>MNRAS</i> vol 117, 1957<br><br>Contents of folder labelled by Lady Jeffreys 'See CP3 VII.8 The theory of Nutation & the Variation of Latitude' divided into seven for ease of reference: typescript draft paginated 2-27, manuscript notes and drafts, correspondence, 1949-1951, etc.<br><br>Includes manuscript draft headed 'Dynamic Effects of a Liquid Core (Third Paper)' (D.233). | 1957          |
| D.236        | 'Information obtainable from artificial satellites'<br><br>Typescript draft with manuscript correction and deletion, latest bibliographical reference.  | 1958 or later |
| D.237        | 'Mutation: Comparison of Theory and Observations', <i>MNRAS</i> vol 119, 1959<br><br>Typescript draft with manuscript addition and correction.  | 1959          |
| D.238-D.251  | 'Robert Stoneley', <i>Biographical memoirs of fellows of the Royal Society</i> , vol 22, 1976<br><br>Contents of folder inscribed by Lady Jeffreys 'R.Stoneley Reviews not included in R.S. bibliography'.<br><br>Jeffreys also prepared an obituary notice for the Royal Astronomical Society.   | 1931-1977     |
| D.238, D.239 | Correspondence with the Royal Society and colleagues re the preparation of the memoir<br><br>2 folders.   | 1976-1977     |
| D.240-D.243  | Drafts, proofs, manuscript notes<br><br>4 folders.  |               |
| D.244-D.251  | Background material<br><br>8 folders.   | 1931-1976     |

/...

**Publications, D.1-D.404**

- /...
- Includes obituaries and order of funeral service (D.245) and drafts of Stoneley's own writings on tsunamis, earthquakes, etc (D.246-D.248). A little of Stoneley's correspondence is preserved at D.250.
- D.252-D.257      'E. Cunningham 1977'      1909-1977
- Contents of folder so inscribed by Lady Jeffreys divided into six for ease of reference: correspondence, notes, drafts and background material.
- Includes obituary, order of service, off-prints, bibliography and 'In Memoriam' booklet produced by the Emmanuel United Reformed Church, Cambridge (D.256).
- Jeffreys wrote obituaries for *Nature* and the *Eagle* St John's College Cambridge publication, 1977. He declined an invitation to write an obituary notice for the London Mathematical Society which was subsequently written by Sir William McCrea.
- D.258-D.260      'Is there regional variation for core waves?'      N.d., 1970-1979
- Contents of folder divided into three for ease of reference: manuscript draft by Jeffreys so titled, n.d. latest bibliographical reference, 1973; correspondence, 1978-1979; offprints, 1970-1978.
- D.261-D.277      'Seismic travel times for central Asian epicentres' (with M.L. Gogna and M. Shimshoni), *Geophys. J.R. astr. Soc.*, vol 63, 1980.      1932-1980
- D.261-D.270      Correspondence with Shimshoni 1978-80 Leading to GJRAS (1980) 63, 577-599 See also Blue Folder Least Squares Crout etc'.      1978-1980
- Contents of folder so inscribed by Lady Jeffreys divided into ten for ease of reference: correspondence, data etc.
- For contents of the blue folder see D.271-D.277.
- D.271-D.277      'Least Squares Crout etc'. Contents of blue folder so inscribed by Jeffreys divided into seven for ease of reference: correspondence, 1970-1979, manuscript notes, duplicated papers, off-print of Jeffreys 1932 paper 'On the theory of errors and least squares'.      1932-1979

**Publications, D.1-D.404**

- |             |  |           |
|-------------|--|-----------|
| D.278-D.279 | 'Tidal Friction; The Core; Mountain and Continent Formation'   | 1981      |
|             | <p>This paper was submitted to the Royal Astronomical Society in April 1981. It was due to be published by the Geophysical Journal but was withdrawn by Jeffreys in August of the same year.</p>   |           |
| D.278       | Typescript draft, correspondence with the Royal Astronomical Society   | 1981      |
| D.279       | Correspondence, proof etc <i>re</i> Lady Jeffreys's 'An answer to Lyttelton's criticisms of the treatment of tidal friction by Harold Jeffreys in The Earth'.  | 1981      |
|             | <p>Found with Harold Jeffreys's 1981 tidal friction paper (D.278). Lady Jeffreys's paper withdrawn July 1981.</p>  |           |
| D.280-D.281 | 'Tidal Friction; The Core; Mountain and Continent Formation', <i>GJRAS</i> , vol 71, 1982  | 1982      |
|             | <p>Typescript draft, correspondence, etc.</p> <p>2 folders.</p> <p>At D.280 is an explanatory note by Lady Jeffreys.</p>   |           |
| D.282-D.289 | 'Constants related to the Moon', <i>MNRAS</i> , vol 208, 1984.   | 1973-1991 |
|             | <p>'Constants Related to the Moon'. Contents of folder so inscribed by Jeffreys divided into eight for ease of reference: manuscript and typescript drafts, correspondence, background material etc.</p>   |           |
| D.290-D.297 | 'A comment on continental drift'   | 1949-1989 |
|             | <p>'Bullard &amp; Malin etc 1984-1985'. Contents of folder so inscribed by Jeffreys divided into eight for ease of reference: correspondence, drafts, background material <i>re</i> paper for <i>Notes and Records of the Royal Society</i>.</p> <p>Jeffreys's paper was a response to a paper by S.R.C. Malin and Sir Edward Bullard 'The direction of the Earth's magnetic field at London, 1570-1975', <i>Philosophical Transactions of the Royal Society A</i>, vol 299, 1981.</p> |           |



**Publications, D.1-D.404**

In February 1985 Lady Jeffreys persuaded her husband to withdraw the paper from *Notes & Records*. Her explanatory note dated 5 October 1989 is at D.290.

D.298-D.300	'Letters to Nature'	1918-1969
	Contents of folder so inscribed by Lady Jeffreys divided into three for ease of reference: manuscript list and published 'Letters'.	
D.301-D.303	Reviews	
	3 folders.	
D.303A	Letters to <i>The Times</i> re continental drift and earthquakes	1939, 1962
D.304	Miscellaneous manuscript and typescript notes and drafts	N.d.
<b>D.305-D.391</b>	<b>OFF-PRINTS</b>	<b>1910-1988, n.d.</b>
	A chronological sequence of off-prints of Jeffreys's scientific papers. Not a complete sequence.	
D.305	1910	
D.306, D.306A	1915	
	2 folders.	
D.307, D.308	1916	
	2 folders.	

**Publications, D.1-D.404**

D.309, D.310      1917  
2 folders.

D.311              1918

D.312              1919

D.313, D.314      1920  
2 folders.

D.315              1921

D.316              1922

D.317              1923

D.318, D.319      1924  
2 folders.

D.320              1925

D.321-D.323      1926  
3 folders.

D.324              1927

D.325-D.326      1928

**Publications, D.1-D.404**

D.327	1929
D.328, D.329	1930 2 folders.
D.330, D.331	1931 2 folders.
D.332, D.333	1932 2 folders.
D.334	1933
D.335	1934
D.336, D.337	1935 2 folders.
D.338-D.341	1936 4 folders.
D.342-D.344	1937 3 folders.
D.345-D.349	1938 5 folders.

**Publications, D.1-D.404**

D.350-D.352      1939  
3 folders.

D.353, D.354      1940  
2 folders.

D.355              1941

D.356, D.357      1942  
2 folders.

D.358              1943

D.359              1944, 1946

D.360              1947

D.361, D.362      1948  
2 folders

D.363              1949

D.364              1950

D.365              1951

D.366              1952

Publications, D.1-D.404

D.367	1953
D.368	1954
D.369	1955
D.370	1956
D.371, D.372	1957 2 folders.
D.373, D.374	1958 2 folders.
D.375	1959-1960
D.376	1961
D.377	1962
D.378	1963
D.379	1964
D.380	1965
D.381	1966

**Publications, D.1-D.404**

D.382, D.383	1967 2 folders.	
D.384	1968	
D.385	1970-1971	
D.386	1972-1973	
D.387	1974-1975	
D.388	1976-1978	
D.389, D.390	1980s 2 folders.	
D.391	N.d.	
<b>D.392-D.404</b>	<b>CORRESPONDENCE WITH PUBLISHERS</b>	<b>1930-1973</b>
D.392-D.402	Cambridge University Press Includes royalty statements and memoranda of agreements. 11 folders.	1930-1973
D.403	Clarendon Press Oxford Royalty statements	1951-1952, n.d.

**Publications, D.1-D.404**

D.404

Methuen & Co. Ltd

1934-1958

Agreement and royalty statements

**SECTION E                      SOCIETIES AND ORGANISATIONS, E.1-E.20                      1917-1991**

- E.1-E.3                      BRITISH ASSOCIATION
- E.4                              INTERNATIONAL ASTRONOMICAL UNION
- E.5-E.13                      NATIONAL UNION OF SCIENTIFIC WORKERS
- E.14-E.20                      ROYAL SOCIETY

**E.1-E.3                      BRITISH ASSOCIATION                      1938-1984**

- E.1                              Cambridge meeting 1938  
Geological map of the country around Cambridge.
- E.2                              Annual Report of the Seismological Investigations  
Committee 1982  
  
The report covers the period from mid 1981 to the end of  
1982.
- E.3                              Annual Report of the Seismological Investigations  
Committee 1984  
  
The report spans the calendar year 1984.



**Societies and organisations, E.1-E.20**

**E.4 INTERNATIONAL ASTRONOMICAL UNION 1989**

Papers sent to Jeffreys, April 1989 with letter from Lady Jeffreys to the IAU President announcing the death of her husband.

**E.5 INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS 1948**

List of delegates and guests IUGG General Assembly, Oslo, 19-28 1948

**E.6-E.13 NATIONAL UNION OF SCIENTIFIC WORKERS 1917-1991**

Correspondence and papers *re* founding of the union, etc. including committee papers, circulars and press-cuttings.

8 folders.

Correspondence, 1987-1991, is between Lady Jeffreys and Sir Alan Parkes, a former President of the Association of Scientific Workers, the Association of Researchers in Medicine and Science Ltd and Dr Adrian Posnette. See E.13.

The National Union of Scientific Workers was founded in 1918; it changed its name to the Association of Scientific Workers in 1927. Jeffreys was a member of the original executive committee.

**E.14-E.20 ROYAL SOCIETY 1956-1977**

**E.14-E.18** 'National Committee for Geodesy & Geophysics and Seismology Committee 1950s and 1960s'. Contents of folder so inscribed by Lady Jeffreys 1956-1969

**Societies and organisations, E.1-E.20**

- E.14 Royal Society British National Committee for Geodesy and Geophysics Committee papers 1959-1961  
Jeffreys was a member of the Committee.
- E.15 Seismology SubCommittee papers 1956-1961  
The SubCommittee was chaired by Jeffreys
- E.16 Letter from W.V.D. Hodge, Secretary, Royal Society, to Jeffreys, 16 November 1959, *re* 'meeting to discuss the need to increase the amount of work done in this country on seismology'. 1959  
The enclosed paper sent with Hodge's letter as the basis for discussion consisted of letters to Hodge from Jeffreys and R. Stoneley.
- E.17 Notes by Jeffreys on International Astronomical Union meetings for Royal Society Committees, September 1960 and correspondence etc from Markus Båth, Uppsala, 28 November and 1 December 1960 *re* 'I.S.S'.
- E.18 British National Committee for Geodesy & Geophysics United Kingdom Report on Research Activities in Seismology 1967-1969 (London: The Royal Society: September 1969) 1969  
Prepared by Seismology SubCommittee of which Jeffreys was a member for submission to the International Association of Seismology and Physics of the Earth's Interior.
- E.19 'Notes by Sir Harold Jeffreys (20 April 1973)' 1973  
British National Committee for Geodesy & Geophysics committee paper.
- E.20 'Correspondence with Royal Society (Keay, Robinson, Massey, Graham-Smith, Evans) about convention for dates in Memoirs of Stoneley & Bullen' 1975-1977  
Contents of folder so inscribed by Lady Jeffreys.

**SECTION F VISITS AND CONFERENCES, F.1-F.25 1950-1982**

F.1-F.4 Visit to the USA 1950-1951

'People whom B & H have met in USA 1950-1 (compiled by my aunt Bertha Blaxley BJ)'. Contents of envelope so inscribed by Lady Jeffreys divided into four for ease of references.

Alphabetical sequence of notes on people met by the Jeffreys with dates of meeting.

F.5-F.13 Visit to New Zealand, Australia, Singapore and India 1959

Jeffreys made this extensive tour with Lady Jeffreys in the second half of 1959.

F.5 Visit to New Zealand

New Zealand Government Tourist Bureau publication with 'detailed itinerary' for Sir Harold and Lady Jeffreys at the front.

The Jeffreys arrived in Auckland on 29 June and left from Wellington 8 July.

F.6-F.8 Visit to Australia

Sir Harold and Lady Jeffreys arrived in Australia in July and stayed through October.

Jeffreys went to Australia at the invitation of the Vice-Chancellors of Australia and spent three and a half months visiting the ten universities. Amongst his engagements was a course of lectures in the Department of Applied Mathematics, University of Sydney on the problems with the internal structure of the earth and planets, the elastic and plastic properties of rocks, probability and scientific inference, and mathematical analysis. Amongst Lady Jeffreys's engagements was a course of lectures at the Department of Applied Mathematics, Sydney on advanced dynamical theory. See F.12.

F.6 'General Information' booklet for Australian National University

With manuscript notes on back cover.

Visits and conferences, F.1-F.25

- F.7 Printed materials *re* visit to Snowy Mountains hydro-electric scheme, New South Wales  
Includes itinerary for Jeffreys's visit, 21-23 September.
- F.8 Two letters written to Lady Jeffreys in Australia, September
- F.9-F.11 Visit to Singapore and India 1959 1945, 1959
- F.9 Invoices, November - December 1959
- F.10 Welcome address to Sir Harold Jeffreys from Executive Council of the National Geographical Society of India, 21 November 1959
- F.10A Welcome address to Sir Harold and Lady Jeffreys from members of Department of Geology and Geophysics and the Geological & Geophysical Society, Banaras Hindu University, 22 November 1959
- F.11 Publication celebrating 'Ferguson College through sixty years' 1945  
Inside front cover are manuscript notes identifying St John's College Cambridge connexions.
- F.12, F.13 Press-cuttings *re* visits to New Zealand, Australia and India  
2 folders.
- F.14 Visit to Columbia University, New York, 1964 1963-1964  
Correspondence and papers *re* award and arrangements.  
Jeffreys was awarded a National Science Foundation Senior Foreign Scientist Fellowship for a period of five months at Columbia.

Visits and conferences, F.1-F.25

- |            |  |           |
|------------|--|-----------|
| F.15       | Visit to Southern Methodist University, Dallas, Texas, January-May 1967<br><br>Correspondence and papers <i>re</i> arrangements, visa, finances, etc.  | 1966-1967 |
| F.16-F.19  | Visit to Singapore and Japan, May-June 1971  | 1971      |
| F.16       | Menu, guest list etc for private dinner given by the Singapore Prime Minister, 1 May<br><br>Also includes list of 'Old Johnians in Singapore'.   |           |
| F.17       | Itinerary (on cards) for visit to Japan, May-June  |           |
| F.18       | Includes letter thanking Jeffreys 'for your valuable lectures at Morioka and Kyoto', 12 June and press-cutting (in Japanese) with picture of Lady Jeffreys   |           |
| F.19       | Memorabilia  |           |
| F.20, F.21 | Visit to North America<br><br>Contents of envelope inscribed by Lady Jeffreys 'Banff - Vancouver - Berkeley': correspondence <i>re</i> arrangements, etc.<br><br>2 folders.<br><br>Jeffreys visited Banff, Canada, to attend a Symposium on Geophysical Theory and Computers | 1972      |
| F.22, F.23 | Visit to Uppsala, Sweden<br><br>Brief correspondence, programme, menus, etc.<br><br>2 folders.   | 1977      |

**Visits and conferences, F.1-F.25**

Sir Harold and Lady Jeffreys visited Uppsala on the occasion of the university's 500th anniversary celebrations. Jeffreys received an honorary degree as part of the ceremonies.

F.24, F.25

Institute of Statisticians, Practical Bayesian Statistics Conference, Cambridge, 21-24 July 1982

1982

Programme, conference information, 3 photographic slides.

2 folders.

Jeffreys was invited to the conference dinner at St John's College.

**SECTION G**                      **CORRESPONDENCE, G.1-G.189**                      **1914-1995, n.d.**

G.1-G.129                      SCIENTIFIC CORRESPONDENCE

G.130-G.175                      CHRONOLOGICAL SEQUENCE

G.176-G.189                      REFERENCES AND RECOMMENDATIONS

**G.1-G.129**                      **SCIENTIFIC CORRESPONDENCE**                      **1922-1995**

Presented alphabetically by individual

**G.1-G.3**                      **Anderson, D.L.**                      **1969-1992**

Anderson was based at the Seismological Laboratory, California Institute of Technology, Pasadena, USA.

In 1990 and again in 1992 he made available to Lady Jeffreys photocopies of letters he had received from Sir Harold.

**G.1**                      **1978-1982**  
Includes manuscript draft letters by Jeffreys

**G.2**                      Exchange of correspondence between Anderson and Lady Jeffreys, 1990, and copies of letters from Jeffreys to Anderson, 1969-1983, sent to Lady Jeffreys with Anderson's letter of 1 May 1990.

The photocopies include typescript note by Jeffreys on 'Standard Earth Model', February 1981.

**G.3**                      Letter from Anderson to Lady Jeffreys, 30 November 1992, sending copies of letters from Jeffreys to Anderson, 1976-1977

**Correspondence, G.1-G.189**

- |          |   |                           |
|----------|---|---------------------------|
| G.4      | Birch, F.<br><br>Birch was based at the Hoffman Laboratory of Experimental Geology, Harvard, USA.   | 1960-1975                 |
| G.5      | Bolt, B.A.<br><br>Bolt was based at the Seismographic Station, Department of Geodesy and Geophysics, University of California, Berkeley, USA.<br><br>Includes undated manuscript draft letters by Jeffreys.               | 1975-1985                 |
| G.6, G.7 | Bridgman, P.W.<br><br>2 folders.<br><br>Bridgman was based at the Jefferson Physical Laboratory, Harvard, USA.<br><br>Manuscript working and off-print at G.7 were found in a box folder labelled 'Bridgman'.             | 1924-1925                 |
| G.8      | Brouwer, D.<br><br>Brouwer was based at the Yale University Observatory, USA.   | 1952-1964                 |
| G.9      | Brown, E.W.<br><br>Brown was Professor of Mathematics at Yale.<br><br>1990 letter is from Lady Jeffreys to 'Mr Morrison' whom she thought might 'be interested in this copy of a letter from E.W. Brown of 63 years ago'. | 1927, 1990                |
| G.10     | Bullard, E.C.<br><br>1993 correspondence is between Lady Jeffreys and John Hudson <i>re</i> 1964 letter from Bullard to Jeffreys etc and 1995 letter from Lady Jeffreys to Alan Smith relates to the same letter.         | 1964, 1975,<br>1993, 1995 |



**Correspondence, G.1-G.189**

- G.11-G.34                      Bullen, K.E.                      1947-1976
- The New Zealander Bullen was a long term research collaborator with Jeffreys in respect of the preparation of seismological tables.
- Between 1931-1934 he was a student at St John's College Cambridge (on leave from Auckland University College where he was a lecturer in Mathematics). Jeffreys supervised Bullen's Ph.D. research. Bullen returned to Auckland but subsequently made his career in Australia at the University of Melbourne and then the University of Sydney where he was Professor of Applied Mathematics, 1946-1971. Jeffreys wrote the biographical memoir of Bullen for the Royal Society.
- G.11                              1957-1976
- Includes manuscript draft letter to the Royal Society *re* the preparation of the memoir, 5 November 1976.
- G.12-G.16                      Photocopies of Jeffreys's letters to Bullen, 1947-1976, supplied to Lady Jeffreys by University of Sydney Archives
- 5 folders
- G.17-G.34                      'Bullen 30 years an Aucklander'                      N.d.
- Contents of folder so inscribed by Jeffreys.
- G.17                              'Biographical details of Keith Edward Bullen'
- 8pp typescript.
- 'Reminiscences concerning Keith Bullen'
- 4pp manuscript draft by Alan J.H. Hutchison 'formerly chief engineer Wellington Harbour Board'.
- G.18-G.34                      'First draft only' of chapters 1-10, 13, 17, 21-25 of Bullen's autobiographical account 'Thirty years an Aucklander'                      N.d.
- 17 folders.

**Correspondence, G.1-G.189**

- |      |  |                 |
|------|--|-----------------|
| G.35 | Burridge, R.   | 1972-1981       |
|      | Burridge was based at the Courant Institute of Mathematical Sciences, New York University, USA.  |                 |
| G.36 | Byerly, P.   | 1940-1987, n.d. |
|      | Byerly was Director of the Seismological Stations, University of California, Berkeley, USA.  |                 |
|      | Correspondence, 1974, 1978-1979, 1987 is from Byerly's wife, Lillian.  |                 |
|      | Includes citation prepared by B.A. Bolt for First Award of the Medal of the Seismological Society of America to Byerly.                      |                 |
| G.37 | Charnock, H.   | 1933, 1991      |
|      | Letter from Charnock to Lady Jeffreys, 3 September 1991, enclosing photocopies of exchange between Jeffreys and L.F. Richardson, April 1933  |                 |
| G.38 | Clemence, G.M.   | 1953, 1957      |
|      | Clemence was based at the US Naval Observatory, Washington DC, USA.  |                 |
| G.39 | Crampin, S.  | 1976-1985       |
|      | Crampin was based at the Institute of Geological Sciences / British Geological Survey, Edinburgh   |                 |
| G.40 | Eddington, A.S.  | N.d., c.1936    |
|      | Carbon copy of letter from Jeffreys to Eddington dated 7 November, no year, at St John's College.  |                 |
|      | Jeffreys's letter begins 'I have just read your Relativity Theory of Protons and Electrons' (published by Cambridge University Press, 1936). |                 |

**Correspondence, G.1-G.189**

- |   |  |           |
|---|--|-----------|
| G.41-G.54   | Fisher, R.A.   | 1922-1987 |
| <p>With the exception of a 1926 postcard from Fisher, an exchange of correspondence between G.N. Wilkinson, Department of Genetics, University of Adelaide and Jeffreys, 1979 (G.41) and an exchange with J.H. Bennett of the same Department 1986, almost all the papers presented here are photocopies.</p> <p>Wilkinson was working on Fisher's scientific correspondence with the view to its publication. That particular project was abandoned and Bennett, with the help of Wilkinson and David Finney, was preparing material for a projected volume: 'Statistical Inference and Analysis: Selected Correspondence of R.A. Fisher'.</p> |  |           |
| G.41  | 1926-1979  |           |
| <p>Letter from G.N. Wilkinson, 11 October 1979, states that he is sending under a separate cover 'photostats of the whole Jeffreys correspondence file in the Fisher archives here' [i.e. University of Adelaide].</p> <p>See G.42-G.47.</p>  |  |           |
| G.42-G.47   | Photocopies of Fisher's correspondence with Jeffreys | 1922-1955 |
| <p>These are the copies sent to Jeffreys by Wilkinson in 1979.</p> <p>6 folders.</p>  |  |           |
| G.48  | 'R.A. Fisher (1890-1962): An Appreciation'           | 1967      |
| <p>22pp typescript by Jerzy Neyman, Berkeley, 3 January 1967, found with the photocopied correspondence at G.42-G.47.</p>   |  |           |
| G.49, G.50  | 'FISHER CORRESPONDENCE'                              |           |
| <p>Contents of envelope so inscribed divided into two for ease of reference: photocopied typescript copies of correspondence between Fisher and Jeffreys. Probably sent to Jeffreys by G.N. Wilkinson in 1982</p>   |  |           |

Correspondence, G.1-G.189

- |            |   |                      |
|------------|---|----------------------|
| G.51-G.54  | 'FISHER CORRESPONDENCE'   |                      |
|            | <p>Contents of envelope so inscribed divided into four for ease of reference: letter from Bennett, 28 May 1986 (with reply from Jeffreys) enclosing photocopied typescript of that part of the Fisher/Jeffreys correspondence that Bennett and colleagues wished to include in the proposed publication.</p> <p>Additionally at G.54 there is a letter from Fisher's daughter, Joan Box, 1980 and correspondence between Lady Jeffreys and George Barnard and J.H. Bennett, 1987.</p> |                      |
| G.55       | Garland, G.D.   | 1980-1983            |
|            | <p>Garland was President of the International Union of Geodesy and Geophysics.</p> <p>Includes manuscript working and off-prints.</p>   |                      |
| G.56       | Goodman, L.E.   | 1961-1991            |
|            | <p>Goodman was based at the Department of Aeronautical Engineering, University of Minneapolis, USA.</p> <p>1991 letter from Goodman is addressed to Lady Jeffreys.</p>  |                      |
| G.57, G.58 | Gutenberg, B.   | [1936]-1939,<br>1994 |
|            | <p>Photocopies of correspondence between Jeffreys and Gutenberg sent to Lady Jeffreys by J. Schweitzer in 1994.</p> <p>The copies were reproduced from originals in the California Institute of Technology Archives.</p> <p>2 folders</p>   |                      |
| G.59       | Haddon, R.A.W.  | N.d., 1975           |
|            | <p>Principally undated manuscript drafts of Jeffreys's letters to Haddon.</p>   |                      |

Correspondence, G.1-G.189

- |            |   |           |
|------------|---|-----------|
| G.60       | Heading, J.   | 1969      |
|            | Heading was Professor of Applied Mathematics, University College of Wales, Aberystwyth.                                     |           |
|            | Includes published text of Heading's inaugural lecture 'The present position of applied mathematics in the United Kingdom'. |           |
| G.61       | Hughes, A. A.   | 1979-1982 |
|            | Hughes was Director of the International Seismological Centre, Reading.   |           |
| G.62       | Jeans, J.H.   | N.d.      |
| G.63       | Kaula, W.H.   | 1961-1975 |
|            | Kaula was based at the NASA Goddard Space Flight Center, Greenbelt, Maryland and University of California, Los Angeles.     |           |
|            | Includes undated manuscript draft letter from Jeffreys which refers to 6th edition of <i>The Earth</i> (published 1976).    |           |
| G.64-G.68  | King-Hele, D.   | 1961-1989 |
|            | King-Hele was based at the Space Department, Royal Aircraft Establishment, Farnborough.                                     |           |
|            | In 1989 he passed to Lady Jeffreys his correspondence with Jeffreys, 1961-1980.   |           |
|            | 5 folders.  |           |
| G.69, G.70 | Kuo, J.T.   | 1976-1989 |
|            | Kuo was Ewing and Worzel Professor of Geophysics, Columbia University, USA.   |           |
|            | 2 folders.  |           |

/...

**Correspondence, G.1-G.189**

- /... At G.70 is a copy of Kuo's introductory address 'The late Professor Beno Gutenberg, as I remember him', delivered at the Gutenberg Symposium of the German Geophysical Society, Stuttgart, 22 February 1989.
- G.71 Lomnitz, C. 1967-1981  
Lomnitz was Professor of Seismology at the Universidad Nacional Autonoma de Mexico.
- G.72-G.89 Lyttleton, R.A. 1967-1988  
'Jeffreys - Lyttleton Various Letters Account by BJ'. Contents of box folder so inscribed by Lady Jeffreys divided into eighteen for ease of reference.  
Correspondence with Lyttleton and others, offprints, notes by Lady Jeffreys etc presented in the order found.  
In addition to Lyttleton there are letters from Cambridge University Press, J.R. Maddox, W. Munk, E.R. Oxburgh, A.B. Pippard, and A.E. Ringwood amongst others.  
Lady Jeffreys's account of 'The Jeffreys-Lyttelton Controversy' is at G.72.
- G.90 Melchior, P.J. 1965-1986  
Melchior was based at the Observatoire Royal de Belgique.  
In 1994 he wrote to Jeffreys to inform him that he had been given the honorary title of astronomer correspondant of the Observatoire Royal.
- G.91-G.94 Meyerhof, A.A. 1970-1982, n.d.  
Meyerhof was Publications Manager of the American Association of Petroleum Geologists, subsequently working as a consultant geologist.  
Includes correspondence *re* publications and opposition to continental drift theory.  
4 folders.

Correspondence, G.1-G.189

- |              |   |                 |
|--------------|---|-----------------|
| G.95         | Moritz, H   | 1984-1985       |
|              | Moritz was based at the Institute of Physical Geodesy, Technical University, Graz, Austria.   |                 |
|              | <i>Re</i> paper by Moritz on earth rotation 'which is related and indebted to your [Jeffrey's] work of 1949 to 1957'.   |                 |
| G.96-G.104   | Morrison, L.V.  | 1973-1982, n.d. |
|              | Morrison was based at the Royal Greenwich Observatory, Herstmonceux.  |                 |
|              | Includes undated manuscript draft letters by Jeffreys, manuscript working and off-prints.   |                 |
|              | 9 folders.  |                 |
| G.105        | Munk, W.H.  | 1979            |
|              | Munk was based at the Scripps Institution of Oceanography, La Jolla, California, USA.   |                 |
| G.106        | Olver, F.W.J.   | 1962-1977       |
|              | 1962 letter from Olver is written from Bureau of Standards, Washington D.C., USA. Subsequent correspondence is from the University of Maryland and the University of Lancaster where he spent three months in 1974. |                 |
| G.107, G.108 | Pekeris, C.L.   | 1966-1983       |
|              | Pekeris was based at the Department of Applied Mathematics, Weizmann Institute of Science, Rehovot, Israel.   |                 |
| G.107        | 1966-1981   |                 |
| G.108        | 'Pekeris on Tidal Friction'   | 1977-1983       |
|              | Contents of folder so inscribed by Jeffreys.  |                 |
|              | Includes copy of letters from R.A. Lyttleton to Pekeris, 28 March and 8 May 1980.   |                 |

**Correspondence, G.1-G.189**

- |             |   |            |
|-------------|---|------------|
| G.109       | Ramsey, W.H.  | N.d., 1954 |
|             | <p>Only one 1954 letter from Ramsey, writing from the Department of Astronomy, Manchester, is dated.</p> <p>Includes data.</p>  |            |
| G.110       | Rutherford, E.  | 1928       |
|             | <p>Exchange of correspondence, January 1928. Jeffreys who initiated the exchange begins: 'For several reasons I believe you should have a fuller statement of my attitude to Joly than is possible to express in print'.</p>  |            |
| G.111-G.121 | Shimshoni, M  | 1973-1995  |
|             | <p>Shimshoni was based at the Department of Applied Mathematics, Weizmann Institute, Rehovot, Israel.</p>   |            |
| G.111       | 1973-1995   |            |
|             | <p>Includes undated manuscript draft letters by Jeffreys. 1995 correspondence is with Lady Jeffreys and includes list of Shimshoni's publications with Jeffreys.</p>  |            |
| G.112-G.121 | 'Correspondence with Shimshoni 1980-1985'   | 1979-1985  |
|             | <p>Contents of folder so inscribed by Lady Jeffreys divided into ten for ease of reference.</p> <p>The correspondence runs 1979-1985. At G.121 are undated manuscript drafts by Jeffreys, off-print and 'Summary of correspondence. Going backwards from 1988 Jan.' by Lady Jeffreys.</p> |            |
| G.122-G.124 | Stephenson, F.R.  | 1973-1982  |
|             | <p>Stephenson was based at the Department of Geophysics and Planetary Physics, University of Newcastle and (correspondence from 1980), Sub-Department of Geophysics, University of Liverpool.</p> <p>Includes manuscript notes and letters by Lady Jeffreys.</p> <p>3 folders.</p>        |            |



**Correspondence, G.1-G.189**

G.125-G.129                  Stoneley, R.    1926-1974, n.d.

'Letters from H.J. & A.N. Other to R. Stoneley Given me by Dorothy Stoneley. The undated letters seem mostly to be of the 1920s & 1930s'. Contents of folder so inscribed by Lady Jeffreys divided into five for ease of reference.

Groups of letters were clipped together by Lady Jeffreys with notes as to topic 'Core', History RAS', 'Rayleigh Waves', etc.

**G.130-G.175                  CHRONOLOGICAL SEQUENCE                                  1914-1995, n.d.**

G.130                                  1914-1918

G.131                                  1921-1925

G.132                                  1926-1929

G.133                                  1931

Includes off-prints and 3pp typescript by Jeffreys entitled 'The Earth's Thermal History'.

G.134                                  1932

Includes off-print and photograph.

G.135                                  1933-1934

G.136                                  1938-1939

G.137                                  1940-1941

**Correspondence, G.1-G.189**

G.138	1944-1949 Includes off-print.
G.139	1950-1951
G.140	1952
G.141	1953-1955
G.142	1956-1957 Includes off-prints
G.143	1958-1959 Includes off-print
G.144	1960
G.145	1961-1962 Includes off-print.
G.146	1963-1964
G.147	1965 Includes seismological data from Japan.
G.148	1966-1967

Correspondence, G.1-G.189

G.149	1968	
G.150	1969	
G.151, G.152	1970	
	Includes seismological data, manuscript working by Jeffreys, off-print and photocopied article.	
	2 folders.	
G.153	1971	1971, 1995
	Includes 1995 letter from J.A. Hudson to Lady Jeffreys <i>re</i> identification of 1971 correspondent	
G.154	1972	
	Includes off-print.	
G.155	1973	
	Includes off-print.	
G.156	1974	
G.157	1975	
G.158, G.159	1976	
	2 folders.	
	Includes off-prints and manuscript notes (G.159).	
G.160	1977	

**Correspondence, G.1-G.189**

G.161, G.162	1978 2 folders.
G.163	1979
G.164	1980
G.165	1981, 1984 Includes later 1984 letter attached to 1981 correspondence.
G.166	1982 Includes off-prints.
G.167-G.169	1983 3 folders.
G.170	1984 Includes off-print.
G.171	1985-1986
G.172	1987-1988 Includes off-print.
G.173-G.175	N.d. Manuscript drafts by Jeffreys are at G.173. 3 folders.

**Correspondence, G.1-G.189**

<b>G.176-G.189</b>	<b>REFERENCES AND RECOMMENDATIONS</b>	<b>1957-1984, n.d.</b>
G.176	Thesis reports	1957, n.d.
G.177	Royal Society	1972-1984
G.178	Vetlesen Prize	1971
G.179-G.189	Miscellaneous	
G.179	Draft and clean typescript copy of assessment of the research of G.I. Taylor	N.d.
G.180-G.189	Correspondence and papers <i>re</i> possible Royal Society candidate, publications etc.  10 folders.	1973-1981, n.d.

**SECTION H                      NON-TEXTUAL MATERIAL, H.1-H.206                      1907-1996**

- H.1-H.107                      PHOTOGRAPHS
- H.108-H.116                      PHOTOGRAPH ALBUMS
- H.117-H.155A                      PHOTOGRAPHIC NEGATIVES
- H.156-H.192A                      GLASS SLIDES AND NEGATIVES
- H.193-H.203                      PHOTOGRAPHIC TRANSPARENCIES
- H.204-H.206                      SOUND AND VIDEO RECORDINGS

**H.1-H.107                      PHOTOGRAPHS                      1907-1996 and  
n.d.**

- H.1-H.45                      Photographs of Jeffreys
- H.46-H.56                      Photographs of biographical interest
- H.57-H.89                      Photographs of visits, conferences and excursions
- H.90-H.107                      Miscellaneous

**H.1-H.45                      Photographs of Jeffreys                      1907-1996, n.d.**

**H.1-H.16                      'Harold's Youth'                      N.d., 1907, 1914**

Contents of envelope so inscribed by Lady Jeffreys divided into sixteen for ease of reference: photographs of Jeffreys from infancy to early manhood, his father, Fatfield School and sketch of 'Sir Harold Jeffries [sic] birthplace'.

Only one photograph of Jeffreys is dated in 1914. The photograph of Fatfield School dates from 1907.

**H.17-H.27                      Portrait photographs of Jeffreys                      N.d., 1959**

The sequence includes a number of informal photographs. Almost all undated.

/...

**Non-textual material, H.1-H.206**

/...	<p>At H.17 and H.18 are 1959 photographs of Jeffreys in Hawaii and in Poona, India, respectively.</p> <p>At H.27 is a very late photograph of Jeffreys in his garden.</p> <p>11 folders.</p>	
H.28-H.30	<p>'Harold Not Good!'</p> <p>Contents of envelope so inscribed by Lady Jeffreys divided into three for ease of reference.</p>	N.d.
H.31-H.39	<p>Honours and awards</p> <p>Photographs of Jeffreys taken at award ceremonies</p>	1956-1996
H.31	<p>Honorary degree, Trinity College Dublin</p> <p>With booklet of presentation addresses.</p> <p>Jeffreys's fellow recipients were P.H. Kuenen and H.H. Read.</p>	1956
H.32-H.36	<p>Vetlesen Prize, Columbia University, New York</p> <p>5 folders.</p> <p>Includes photographs of Jeffreys with fellow recipient F.A. Vening Meinesz and newspaper-cuttings.</p>	1962
H.37	<p>Honorary degree, Southern Methodist University, Dallas, Texas</p> <p>Fellow recipients include Cecil H. Green, Chairman, Texas Instruments.</p>	1967
H.38	<p>Launch of <i>Collected Works</i> published by Gordon &amp; Breach Science Publishers Ltd, Royal Society, London</p> <p>Includes invitation card.</p>	1977

**Non-textual material, H.1-H.206**

- |                  |  |                        |
|------------------|--|------------------------|
| H.39             | Seismological Society of America Medal<br><br>Photograph on verso is dated 1978 in error by Lady Jeffreys. See A.71.<br><br>Includes letter to Lady Jeffreys <i>re</i> the photograph 1996.                                | 1979, 1996             |
| H.40-H.43        | Miscellaneous photographs of Jeffreys with Lady Jeffreys, friends, family and colleagues<br><br>4 folders.   | 1957-1980, n.d.        |
| H.44, H.45       | 2 framed photographs of Jeffreys   | N.d.                   |
| <b>H.46-H.56</b> | <b>Photographs of biographical interest</b>  | <b>N.d., 1940-1990</b> |
| H.46             | Wedding photograph of Jeffreys and Bertha Swirles  | 1940                   |
| H.47-H.49        | Miscellaneous photographs and photographic negatives found together in photographic wallet<br><br>3 folders.<br><br>At H.47 are photographs of 160 Huntingdon Road Cambridge where the Jeffreys's lived from 1945.         | 1957, 1959, n.d.       |
| H.50             | 'Longhorsley [Northumberland] Churchyard Family Grave'<br><br>Contents of photographic wallet so inscribed by Lady Jeffreys: three photographs, two of which were sent to Lady Jeffreys with a note dated 26 January 1990. | 1990, n.d.             |
| H.51-H.56        | Miscellaneous photographs and photographic negatives found together in photographic wallet<br><br>6 folders.<br><br>Includes photographs reflecting Jeffreys's North-East and Cambridge connexions.                        | N.d.                   |

/...



**Non-textual material, H.1-H.206**

- /...
- At H.56 is a letter sending photographs to Jeffreys but it was not clear to which photographs in the wallet it referred.
- H.57-H.89                      Photographs of visits, conferences and excursions                      1924-1970 and n.d.**
- H.57                      'Delegates to the Meeting of the British Association for the Advancement of Science, Toronto, Canada, August 6th to 13th 1924. Taken on board Cunard Liner "Caronia" St Lawrence River, Aug 1st 1924'                      1924
- H.58                      'Sedgwick Club'.                      ?1931 or 1932
- Group photograph so inscribed in ink on verso by Jeffreys.
- With later pencil inscription '? St David's 1931 or 2'.
- H.59-H.63                      Photographs found together in photographic wallet ?re geological excursion to South Wales                      ?1930s
- 5 folders.
- Many photographs have manuscript inscriptions as to location and interest but all are undated. Some identification of persons by means of initials.
- H.64                      International Physics Conference, London                      1934
- Conference photograph taken in front of Royal Astronomical Society, Burlington House, Piccadilly.
- In cardboard tube.
- H.65, H.66                      'Strasbourg 1947'                      1947
- Contents of envelope so inscribed by Lady Jeffreys: photographs taken at unidentified conference.
- 2 folders.

**Non-textual material, H.1-H.206**

- |           |   |          |
|-----------|---|----------|
| H.67      | U.G.G.I. conference, Oslo, Norway<br><br>3 photographs.   | 1948     |
| H.68      | 'Constantes Astronomiques', colloquium held at<br>L'Observatoire de Paris, France, 29 March - 1 April 1950<br><br>Photograph of participants with key.  | 1950     |
| H.69      | 'Dublin IAU Lyttleton'<br><br>Photograph of R.A. Lyttleton, Jeffreys, Lady Jeffreys and<br>another at social occasion associated with the IAU<br>Congress.  | [? 1955] |
| H.70      | 'Bristol RAS 1956'<br><br>Photograph so inscribed on verso.   | 1956     |
| H.71-H.73 | International Astronomical Union Congress, Moscow,<br>August 1958<br><br>Photographs taken in the USSR on the occasion of the<br>Moscow congress.<br><br>Includes photographs of Sir Harold and Lady Jeffreys<br>taken by R. Vicente.<br><br>3 folders. | 1958     |
| H.74-H.76 | Australia<br><br>With one exception (H.76) these photographs seem to<br>have been taken in or around Canberra.<br><br>3 folders.  | 1959     |
| H.77-H.81 | India<br><br>Includes photographs taken at Banaras and Poona.<br><br>5 folders.   | 1959     |

**Non-textual material, H.1-H.206**

H.82	'RAS Club Group 1960 Jan 8'  Photograph so inscribed on verso.	1960
H.83	Israel  6 photographs taken at a meeting in Israel.  Includes photograph of Jeffreys with [VI] Keilis-Borok.	1965
H.84	Photograph of Jeffreys at a Royal Astronomical Society meeting, Keele  With letter sending the photograph to Jeffreys.	[? 1965]
H.85	Israel  Six photographs taken on a visit to Israel by Jeffreys and Lady Jeffreys.	1970
H.86	Helsinki  2 photographs of Jeffreys and others taken on a visit to Helsinki	N.d.
H.87	Group photograph  Unidentified occasion but includes Jeffreys and Keith Bullen.	N.d.
H.88	Group photograph  ?taken on geological excursion. ?1930s.	?1930s
H.89	'Botany Excursions'  Contents of box so inscribed retained in original box.  Includes photographs of landscape, vegetation and people.	N.d.

**Non-textual material, H.1-H.206**

<b>H.90-H.98</b>	<b>Photographs of scientists</b>	<b>1917-c.1950, n.d.</b>
H.90	K.E. Bullen  Framed photograph	N.d.
H.91	K.E. Bullen with family	1938
H.92	Perry Byerly	N.d.
H.93	F.L. Engledow	N.d.
H.94	O.W. Heaviside	N.d.
H.95	Arthur Holmes with family	N.d.
H.96	R.O. Redman with Jeffreys, Lady Jeffreys and ?Mrs Redman	c.1950
H.97	Botany Department Imperial College  Framed photograph.  For identification see photograph album 'A' at H.108.	1917
H.98	Miscellaneous photographs from printed sources  Includes signed photograph of Jeffreys from Royal Society memoir.	N.d.
<b>H.99-H.107</b>	<b>Miscellaneous</b>  Miscellaneous photographs found loose, in photographic wallets, etc.	<b>1916-1992</b>

**Non-textual material, H.1-H.206**

H.99	'Jupiter 1916 Oct 23 J.H. Reynolds'	1916
H.99A	'Botanical Prints'  Contents of box so labelled retained in original box.  Possibly related to botanical excursion photographs at H.89. See also H.100-H.103.	N.d.
H.100-H.103	Group of photographs of landscape and vegetation found together and possibly related to botanical excursion photographs at H.89  4 folders.	N.d.
H.104-H.107	Photographs of landscape, architecture and people  4 folders.  At H.104 is letter to Lady Jeffreys, 1992, identifying the locations of photographs.  At H.107 is later print of 1916 photograph by Jeffreys of the Bridge of Sighs, St John's College, Cambridge and greetings card with the same photograph.	1923-1992 and n.d.
H.108-H.116	<b>PHOTOGRAPH ALBUMS</b>  These albums record Jeffreys's own interest in photography.  The albums A-G, have inscriptions identifying persons and places, some apparently contemporary with the making of the album, some significantly later added by Lady Jeffreys.	1908-1991 and n.d.
H.108	Labelled 'A' on front cover  3 further labels on front cover indicate some locations and persons photographed by Jeffreys.  Locations are principally North East, England, including Fatfield, Co. Durham and Cambridge, including 'St John's	/...

**Non-textual material, H.1-H.206**

/...

Backs after the storm of Feb. 1916'. Persons include F.C. Bartlett, F.G. Hopkins, R. Stoneley, G.I. Taylor, D.M. Wrinch and members of the Imperial College Botany Department.

There are photographs taken on botany excursions and on the Meteorological Office roof.

Some photographs identified as taken by others, for example, photographs of Jeffreys by G.I. Taylor.

Various dates 1912-1923 and n.d.

H.109

Labelled 'B' on front cover

2 further labels on front cover indicate some locations and persons photographed.

Locations include Northumbria, Arundel, Canterbury and Grantchester meadows. Persons include Jeffreys and Jeffreys's parents: also two group conference photos, one identified as 'Rome [IAU] 1922'.

Some photographs identified as taken by others.

Photographs dated as taken in 1922 and 1927. Almost all undated.

Two postcards sent by Sir Harold and Lady Jeffreys to relatives in Northampton, July 1957, found loose at the front of the album.

H.110

Labelled 'C' on front cover

Also labelled on front cover 'Canada 1924'.

Documents visit to Canada in connexion with British Association meeting. Places depicted include Montreal, Niagara Falls, Winnipeg, Edmonton, Vancouver and Victoria.

Includes group photographs 'Members of the British Association for the Advancement of Science returning to England on R.M.S. "Lancastria" ' and 'Members of the British Association for the Advancement of Science and Officers of the R.M.S. Lancastria who co-operated in the Meteorological Work done on the Eastward Passage, September 13th to 22nd, 1924'.

**Non-textual material, H.1-H.206**

- H.111                      Labelled 'D' on front cover
- Additional label gives some indication of locations and persons 'Sedgwick Club (Scotland) Wales Mount Tamalpais [California] Pasadena [Perry] Byerly'.
- Includes photographs *re* conference held by Carnegie Institution at Pasadena to discuss Californian Seismology 1929.
- Photographs dated in 1929. Almost all undated.
- 
- H.112                      Labelled 'E' on front cover
- 2 further labels give some indication of locations including Scotland, Germany, Somerset, Isle of Man and 'H. in Aberdeen'.
- Includes group photograph 'IUGG Lisbon 1933'.
- Photographs dated as taken in 1923, 1933. Most undated.
- Loose items include card and letter from E.H. Sondheimer to Lady Jeffreys, 1989, 1991.
- 
- H.113                      Labelled 'F' on front cover
- Label also serves as list (incomplete) of places in England where photographs taken; also 'Bruges' and 'Mahajani & H.J.'
- Persons include 'Newnham geologists'.
- Photographs undated.
- 
- H.114                      Labelled 'G' on front cover
- 2 additional labels identify locations in UK, Europe and North America where photographs taken. Persons include Jeffreys, 'A.G.Church Secretary NUSW', Arthur Holmes, 'Max Newman?', W.H.Rivers, R. Stoneley, T. von Karman and Dorothy Wrinch.
- Photographs taken 1920-1923. Most undated.

**Non-textual material, H.1-H.206**

- |              |   |   |
|--------------|---|---|
| H.115        | Unlabelled                                  |   |
|              |   | <p>Used for photographs related to botanical studies: pages headed 'General Views', 'Zonations attributed to Variation in Water Supply', 'Marshes and Ponds', etc</p> <p>Photographs documenting 'Vegetative Spread of Pteris' dated 1914-1916. Most photographs undated.</p>   |
| H.116        | Unlabelled                                  |   |
|              |   | <p>Used for photographs of architecture, land and seascapes, portraiture and nature, geology, botany, etc. Includes locations at or around Fatfield, Co. Durham.</p> <p>A few photographs dated 1908.</p>   |
| H.117-H.155A | <b>PHOTOGRAPHIC NEGATIVES</b>               | <b>1920-1925 and<br/>n.d.</b>   |
|              |   | <p>In original wallets or envelopes.</p> <p>Some wallets have inscriptions as to location and person and a number are dated. They have been arranged as far as possible alphabetically: Aachen, American Tour 1923, Bruges, Cambridge Architecture, Devon 1921 etc.</p> <p>Persons include '[Arthur] Holmes's 1920', 'Portraits &amp; Groups at M.O. [Meteorological Office] 1920-1921' and 'Silbersteins June 1920'.</p> <p>There are wallets and envelopes dated 1920-1925, 1984. Many are undated.</p> <p>38 wallets and envelopes + film strip (H.155).</p> |
| H.156-H.192A | <b>GLASS NEGATIVES AND SLIDES</b>           | <b>1908-1930 and<br/>n.d.</b>   |
| H.156-H.167  | Contents of a series of boxes labelled 1-12 | 1908-1930   |
|              |   | <p>These negatives relate to Jeffreys interest in photography: landscape, architecture, people etc.</p>   |



**Non-textual material, H.1-H.206**

- |       |  |           |
|-------|--|-----------|
| H.156 | <p>Contents of card index box labelled '1': photographic plates in individual envelopes with manuscript identification of subject numbered 1-56</p> <p>Label on top of box also inscribed with dates '1916 1919 1924-5'.</p> <p>Places depicted include St John's College Cambridge and persons include Arthur Holmes and family and 'DMW' [Dorothy Wrinch].</p>                   | 1916-1925 |
| H.157 | <p>Contents of card index box labelled '2': photographic plates in individual envelopes with manuscript identification of subject numbered 57-103</p> <p>Label on top of box also inscribed 'Upper Teesdale Cavenham other E. Anglia Co. Durham. 1914'.</p> <p>Includes one envelope dated 1908 and one packet dated 1915 remaining dated envelopes 1914.</p>                      | 1908-1915 |
| H.158 | <p>Contents of card index box labelled '3': photographic plates in individual envelopes with manuscript identification of subject numbered 104-158</p> <p>Label on top of box also inscribed 'Beamish Co. Durham Waldrige 1914-5'.</p> <p>Label at front of box also labelled 'Ecological negatives - 1915'.</p> <p>At front of box is card with list of topics numbered 1-60.</p> | 1914-1915 |
| H.159 | <p>Contents of card index box labelled '4': photographic plates in individual envelopes with manuscript identification of subject numbered 159-206</p> <p>Label on top of box also labelled 'Scotland Lake District Northumberland Parsons family Teesdale - Cross Fell Waves in Cam'</p>  | N.d.      |
| H.160 | <p>Contents of card index box labelled '5': photographic plates in individual envelopes with manuscript identification of subject numbered 207-248</p> <p>Label on top of box also labelled 'Waldrige Cambridge Ecology 1916/21/22/24/1925'.</p>   | 1916-1925 |

**Non-textual material, H.1-H.206**

- H.161                      Contents of card index box labelled '6': photographic plates in individual envelopes with manuscript identification of subject numbered 249-298
- Label on top of box also labelled 'Botanical Canada British Assn 1924 Cambridgeshire Birtley Fatfield'.
- H.162                      Contents of card index box labelled '7': photographic plates in individual envelopes with manuscript identification of subject numbered 299-350
- Label on top of box also inscribed 'Section C Dorset? Hampshire Some Co. Durham Lambton Park Plants'
- H.163                      Contents of card index box labelled '8': photographic plates in individual envelopes with manuscript identification of subject numbered 351-399 + 2 unnumbered envelopes
- Label on top of box also inscribed 'Camb. Sussex Hants Kent E. Anglia Suffolk Zürich Fatfield'.
- H.164                      Contents of card index box labelled '9': photographic plates in individual envelopes with manuscript identification of subject numbered 400-450 + 2 plates not in envelopes
- Label on top of box also inscribed 'Yorkshire Ingleborough Gordale Scar Quarries Meifod Hendrie 1927'.
- In fact the only dated envelopes contain plates depicting snow at Granchester and on the 'backs' at Cambridge, December 1927.
- H.165                      Contents of card index box labelled '10': photographic plates in individual envelopes with manuscript identification of subject numbered 451-510 + 1 unnumbered envelope
- Label on top of box also inscribed 'Germany Scotland Wales Cumbria'
- 1927
- 1930

**Non-textual material, H.1-H.206**

- |              |  |      |
|--------------|--|------|
| H.166        | <p>Contents of card index box labelled '11': photographic plates in individual envelopes with manuscript identification of subject numbered 511-545 + 7 envelopes not numbered as part of series + 3 plates not in envelopes</p> <p>Label on top of box also inscribed 'Sedgwick Club Derbyshire Daffodils &amp; Crocuses 1929 Snowdon Gt Orme'.</p> | 1929 |
| H.167        | <p>Contents of box labelled '12': 2 photographic plates</p> <p>Label also inscribed 'Waldrige'.</p>  | N.d. |
| H.168        | <p>Contents of unlabelled wooden box: photographic plates in individual envelopes with manuscript identification of subject numbered 2-50</p> <p>Also enclosed is card 'title index'.</p> <p>Similar in subject to H.156-H.167. Subjects include locations in Co. Durham and Northumberland and St John's College Cambridge including 'my room'.</p> | 1914 |
| H.169-H.192A | <p>Contents of miscellaneous labelled boxes and 2 envelopes</p> <p>Relate to Jeffreys's scientific work.</p> <p>Retained in original containers.</p>   | N.d. |
| H.169        | <p>'Craters'</p>   |      |
| H.169A       | <p>'Equations etc ?'</p> <p>Also inscribed 'Seismology'.</p>   |      |
| H.170        | <p>'Figure of Earth Tidal Data'</p>  |      |
| H.171        | <p>'Gravity'</p> <p>Also inscribed 'Isostasy'.</p>   |      |

**Non-textual material, H.1-H.206**

- H.172                    'Heat & Radioactivity'  
Also inscribed 'Thermal History'.
- H.173                    'Heat Bridgman'
- H.174                    '? Landscapes'  
Also inscribed 'St David's'.
- H.175                    'Lomnitz Tidal action'
- H.176                    'Mountains'  
Also inscribed 'Geology'.
- H.176A                   Seismograms and ?'
- H.177                    'Seismology'
- H.178                    'Seismology'
- H.179                    'Seismology'
- H.180                    'Seismology'
- H.181                    'Seismology'
- H.182                    'Seismology'  
Also inscribed 'Distant Earthquakes'.

**Non-textual material, H.1-H.206**

- H.183                    'Seismology'  
Also inscribed 'Near Earthquakes'
- H.183A                  'Seismology'  
Also inscribed 'Near Earthquakes'.
- H.184                    'Seismology Eclipse 1901 (Dyson)'
- H.184A                  'Seismology (Gutenberg?)'
- H.185                    'Seismology Travel Times J, B.'
- H.186                    'Solar System (Jeans?)'
- H.187                    'Stress, Yield Minerals'  
Also inscribed 'Elasticity & Strength'.
- H.188                    'Tectonics (Connecticut)'  
Also inscribed 'Thermal State Core Caustic'
- H.189                    'Temperatures and ?'  
Also inscribed 'Geology'.
- H.190                    'V. Small ?'
- H.191                    'Water'  
Also inscribed 'Water Waves'

**Non-textual material, H.1-H.206**

H.192	'Plates for Vol 6 [The Earth] pp.494, 523 and four prints'	
H.192A	'Grids'	
<b>H.193-H.203</b>	<b>PHOTOGRAPHIC TRANSPARENCIES</b>	<b>1959-1992</b>
H.193-H.197	Contents of five labelled metal containers	1959-1971
H.193	'1959 Oakland - Snowy'  List of titles and 150 transparencies from California to Australia via Hawaii and New Zealand.	1959
H.194	'59 Snowy - India'  List of titles and 150 transparencies from Australia to India via Singapore.	1959
H.195	'59 - 61'  List of titles and 150 transparencies including visits to India, Finland, Israel and USA (California and Oregon).	1959-1961
H.196	'1961-67'  List of titles and 150 transparencies including visits to USA, Essex (Dedham, Flatford Mill), Switzerland and Scotland.	1961-1967
H.197	'67, 69, 71'  List of titles and 109 transparencies including visits to Switzerland, Singapore and Japan.	
H.198-H.200	Contents of three plastic containers	1959, 1979, n.d.

**Non-textual material, H.1-H.206**

H.198	'Cambridge 1959 N'ton' 19 transparencies.	1959
H.199	'Cambridge, St Ives Hemingford Grey 1979' 21 transparencies.	1979
H.200	Unlabelled 19 transparencies including locations in Washington D.C.	N.d.
H.201-H.203	Contents of three boxes	1959-1992
H.201	'Cambridge 1959' 19 transparencies. A numbered sequence 1-20 (lacks no.10).	1959
H.202	'Cambridge 1980-81, 1992' 15 transparencies.	1980-1992
H.203	'Oddments' Includes transparencies from 1959 visit to Australia.	1959 and n.d.
<b>H.204-H.206</b>	<b>SOUND AND VIDEO RECORDINGS</b>	<b>1982-1989</b>
H.204	Sound recording of Jeffreys talking to G.A. Barnard Audiocassette. See A.22.	1982

**Non-textual material, H.1-H.206**

- |       |  |      |
|-------|--|------|
| H.205 | Videotape of Jeffreys in conversation with D.V. Lindley <i>re</i> his work as probabilist and statistician | 1983 |
|       | With manuscript note 'Sir Harold Jeffreys c/o Prof Freeman Maths TBC corrected from Umatic 30/8/83'.       |      |
|       | See A.23-A.25.   |      |
| H.206 | Videotape of after dinner speech by V.S. Huzurbazar  | 1989 |
|       | The occasion was a meeting held in the summer after Jeffreys died and dedicated to his honour.             |      |



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