

Humphrey R. Hewer

Report on the papers of
PROFESSOR HUMPHREY HEWER CBE, zoologist
(1903-1974)

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CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

Papers of

PROFESSOR HUMPHREY HEWER, C.B.E.

(1903 - 1974)

Listed by: Jeannine Alton
Harriot Weiskittel

Deposited in the Archives of Imperial College of Science and Technology
London

1974

Description of the collection

Professor Hewer's papers cover the years 1926 - 1974 and were received from Mrs. O. Hewer.

The papers include many drawings and photographs by Professor Hewer and his colleagues for various wildlife films or to illustrate their written work. These drawings and photographs will be found throughout the collection with the particular subject which Hewer was investigating. Likewise, Professor Hewer kept correspondence referring to specific topics with the relevant data and this arrangement has been retained.

Two box files of committee papers were in the collection. Professor Hewer's own notes, correspondence and annotated papers have been retained but duplicated material (agenda, minutes, newsletters etc) has been discarded. A list of these committees and societies appears in Section IV.

Professor Hewer's early work on Burnet Moths was deposited in the Archives of Imperial College when he was Professor of Zoology.

Summary of career

b.1903

1920 entered Imperial College
 1923 Beit Fellowship
 1926 - 37 Lecturer in Zoology, Imperial College
 1927 m. Olive Mary La Trobe Stooke
 1937 - 64 Assistant Professor and Reader in Zoology, Imperial College
 1941 - 45 Chief Rodent Officer, Ministry of Food
 1959 Secretary-General of International Congress of Zoology
 1959 O.B.E.
 1964 - 70 Professor of Zoology in the University of London (conferred by decree)
 1965 - 74 Chairman, Advisory Committee, Infestation Control Laboratory, Ministry of Agriculture, Fisheries and Food
 1967 - 74 Chairman of Farm Animals Welfare Committee of Ministry of Agriculture, Fisheries and Food
 1971 C.B.E.

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I. Biographical

1. Obituary notice, The Times
- 2.- Diaries 1928 - 74
 5. 2. 1928 - 1932 (5 vols)
 3. 1947, 1949, 1950, 1952-55, 1957, 1959 (9 vols)
 4. 1960, 1961, 1963, 1965-67 (6 vols)
 5. 1968 - 74, engagement book n.d. (8 vols)
6. Photographs: School 1918, Imperial College 1934 1918, 1934
7. Photographs: British Association Section D 1947 - 69
8. Photograph: British Association Section D mtg. Dundee 1939
9. Photograph: British Association Section D mtg. Edinburgh 1951
10. 2 photographs: Imperial College n.d.
11. Miscellaneous personal (book plate, 'The Shillay Bugle 1955', postcards)
12. Journey to East Africa: small notebook with diary, notes of animals and birds seen, of films and slides taken. Hand-drawn and coloured maps of national parks and conservation areas, drawings of horns. 16 pp typescript account of journey in diary form. 1972

II. Notebooks

13. 'Ramsay 1952': notes clipped together in book form containing journal of trip to Ramsay in September, record of observations, of tagging, of photographs of seals 1952
14. 'Milford Haven 1953': journal of expedition with records of observations, of photographs etc. of seals 1953
15. 'Journal of Shillay 1954': record of observations, of expenses. Journal was transcribed and expanded with additional notes (see Item 26) 1954
16. 'Ramsay, March 1956': 2 pp of notes on observations of seals 1956
17. 'Ramsay, April, May, June 1957. Scroby 7-12-58': record of observations from both expeditions to study seals 1957 - 58
18. 'Oronsay 1957' (vol I): rough notes and observations (expanded in Item 28) of seals 1957
19. 'Oronsay 1957' (vol II): rough notes and observations (expanded in Item 28) of seals 1957
20. 'N.Rona 1959': notebook containing sightings, tagging records, weather reports, observations of seals 1957

21. 'Orkney 1961-62. Rough Notes etc.': journal of expedition and notes of specimens of seals 1961 - 62
22. 'Ruskhalm, Orkney, Oct 4-11, 1961': original notes were lost; see page 1 for explanatory note on reconstruction by Hewer and K.M. Backhouse and for table of contents 1961
23. 'Orkney. February 1963': journal of expedition to study seals 1963
24. 'Shetland. September 1963': journal and notes on seals 1963
25. 'Orkney. Shetland. February 1964': journal of expeditions 1964
26. Small notebook labelled 'Shillay' containing daily journal with weather records and notes on seal observations by Hewer, H. Gorvett and J. Siddon (notebook includes photographs and letter to 'Kermack' which was never sent.) Second half of book is a transcript of the rough notes of September 22-30, 1954, journey to Shillay by Hewer and Gorvett (explanatory additions are indicated by brackets and underlined in red) (see Item 15) 1954 - 55
27. Journal of expedition to Oronsay, September-October, 1956 by Hewer, H. Gorvett and K.M. Backhouse: weather observations and records clipped from newspaper, photographs, maps, charts 1956
28. Journal of expedition to Oronsay, September 1957 by Hewer and K.M. Backhouse: weather records, maps, daily record of observations (see also Items 18, 19) 1957
29. 'North Rona. October': ringing records and note by Hewer 1957
30. - 33. Photographs of 'bull reproductive material'
30. Volume I '♂ reproductive material. Years 1, 2, 3, 4, 5, 6: all material of bulls of years 1-6 i.e. all immature and pubertal specimens'
31. Volume II 'Adult material of bulls killed Jan-May (pt)'. Notebook also contains distribution of bull material by months and years, summary of photographs, weights in order of age, list of specimens for years 7-22, prints of magnifications used
32. Volume III 'Adult material of bulls killed in May (pt.) - Aug.'
33. Volume IV 'Adult material of bulls killed September-December'
34. 'Register of Grey Seals ♂': data, measurements, photographs
35. 'Orkney and Shetland Grey Seals ♂': register of all material concerning bulls killed in Shetland (September 1962 - November 1964) and Orkney (December 1959 - September 1966), measurements and photographs 1959 - 66
36. 'Register of Grey Seals ♀': summary of data and measurements, photographs, drawings

37. 'Shetland and Orkney Grey Seals - Cows': record of all material concerning cows killed in Shetland (September 1962 - May 1965) and Orkney (December 1959 - October 1964) 1959 - 65
38. 'Register of Foetuses'; see first page for Hewer's explanatory notes and indexing code. Book contains drawings and photographs to supplement the data in tabular form. Correspondence c.1969
39. 'Register of early embryological material': includes summary of material, photographs of sections of uterine wall. See first page for indexing code.
40. 'Comparison of embryos': drawings, graphs and data

III. Working papers (many files contain correspondence)

41.-44a. Zygaena

41. 'Z. stoechadis. Wing patterns, Calculations and results' 1929 - 30
'Z. rhadamanthas. Cingulation': hand drawings, 2.p. summary of data
42. 'Cingulation in Z. rhadamanthas and carmiolica': 3 pp ms. draft, 1933 records of emergences, misc. notes.
43. maps of distribution of glacial ice sheets in Britain
44. 'Bombyces and Sphinges': offprint
- 44a. Later work on Zygaena: correspondence, distribution maps, reprints 1973 from W.G. Tremenan
- 45.- 'New Forest. Various species lists': lists made by students at 1937 - 53
47. Imperial College Camp, New Park, Brockenhurst of birds, spiders, plants, etc. with maps of locations and some photographs
- 48.- 54. Woodpeckers
48. Folder marked 'Green Woodpecker' containing observations and tabular summaries of data (incubation, roosting, breeding etc.), notes for guidance in analysis of data, bibliographical notes, draft of unidentified paper on breeding of green woodpecker. 1948 - 54
- 49.- Daily records of observations of green woodpecker in Silwood 1948 - 54
50. Park, summaries of data and observations. Very careful extensive observations
51. Maps of Silwood Park and charts of times of change-overs of male 1948 - 52 and female woodpeckers on nest.
52. Folder marked 'woodpecker notes' containing bibliography, abstract 1948 - 50 of paper Hewer delivered to Zoological Society of London, 1950: 'Rhythmic Behaviour of the Green Woodpecker', correspondence, miscellaneous notes and charts
53. Tabular summaries of data (feeding young, initiation of change-over, incubation, no. of change-overs during incubation etc.) 1948 - 50
54. Photographs and list of shots 1948 - 50

55.-86. Seals

55. 'A Hebridean colony of Grey Seals': drawings, map, chart and graphs c.1955
56. 'Atlantic Seal. Embryology': list of slides, drawings, photographs, notes on dissection, related offprints. Ms. draft, typescript, proof of 'Delayed implantation in the Grey Seal' (with K.M. Backhouse), Nature, 178, p.550 1956
57. 'Atlantic Seals. Swedish Information. Dutch Ringing': correspondence 1953 - 63
- 58.- 'Farne Island Seal Count': tabular summaries of data, calculations, graphs, notes on wind direction, newspaper cuttings, 1956 - 68
59. monthly records of counts. Very extensive data
60. 'Scroby Seals': newspaper cuttings, correspondence, 2 typescript reports of 1958 and 1960 visits to Scroby Island (see also Item 17) 1958 - 60
61. 'Grey Seals in Brittany': correspondence 1959
62. 'Grey Seals in Cornwall': correspondence, proposed survey, preliminary report 1960 - 61
- 63.- Notes from Rona expedition: typescript reports with maps, charts, 1959 -60
65. daily weather records, observations by J.D. Lockie, J.M. Boyd, 1970
J. McGeoch, and Hewer. Weather notes and preliminary survey, October 3; tide tables, data (census, mortality, bull/cow ratio, mean daily birth rate etc.), comments on state of colony, correspondence, related offprints
66. 'Memoranda 1960 - 61': tabular summaries of data, provisional life table, list of skulls, list of seals received through Aberdeen, correspondence 1960 - 61
67. 'Classified list of Grey Seal material': correspondence, tabular summaries of data (bulls and cows in age order, monthly average length of cows, etc.) 1961 - 63
68. 'Evidence of gregarious movements': correspondence, data and statistical graphs 1968 - 69
69. Hilbre seals: correspondence with observers in the field 1971
70. Miscellaneous correspondence with observers re seals 1970 - 73
- 71.- Correspondence with Oliver Hook which includes extensive notes and observations, photographs, drawings, maps, Hook's report on the Baltic Grey Seal, 1962 with relevant photos and maps. 1954 - 72
76. 71. 1954 - 1957
72. 1958 - 1959
73. 1960 - 1962
74. 1963 - 1964
75. 1964 - 1970
76. 1970 - 1972

77. 'Comparison between Eastern and Western Atlantic populations of the Grey Seal': tabular summaries of data (pre-breeding behaviour, establishment of territories, parturition, cow-pup relationships, post-breeding periods etc.), bibliography, correspondence, draft and notes for introduction for proposed joint paper with A.W. Cameron 1970
- 78.- 'Atlantic Seals': references, newspaper cuttings, offprints, 1952 - 72
79. graphs, notes by Hewer, correspondence, bibliography
80. 'Seal Papers': collected by Hewer; offprints, reports, 'Conservation of Seals Bill', reports on Orkney seal culling by E.B. Worthington, report of visit to Scilly Isles 1925 - 71
81. Miscellaneous photographs, negatives, drawings, newspaper cuttings, analyses of photographs, etc. c.1958 - 72
- 82.- 'Male Reproductive Cycle. Spermatogenesis': ms. and typescript 1960 - 64
84. drafts of 'Male annual cycle - Spermatogenesis', correspondence, charts and graphs of monthly annual weights, drawings of microscopical cross sections, extensive data in note, tabular summaries and graph form
85. 'Male Reproductive Cycle in the Grey Seal': drafts of 'Embryology of the Testis', notes for photographs, graphs and data c.1968
86. 'Grey Seal. Female Reproductive Cycle': tabular summaries of data from Shetland and Orkney Islands, ms. draft of 'Female Reproductive Development and Cycle' c. 1968
87. MSS entitled 'Vertebrate Embryology' (not in Hewer's hand) containing notes and drawings - 49 pp (1st page is missing). Several pages of Hewer's own notes and drawings on the same subject c.1973

IV. Committees and societies

The collection included files on the following committees: Association of University Teachers, Committee of the Wellcome Institute of Comparative Physiology, Great Bustard Trust, Hampshire and Isle of Wight Naturalists Trust Ltd., Institute of Biology, Linnean Society, Mammal Society, New Forest Committee, Ray Society, Royal Science Association, Royal Society for the Prevention of Cruelty to Animals, Surrey Naturalists Trust, University of Southampton, World Wildlife Federation. Only those files which included Hewer's own work or correspondence appear in the handlist.

- 88.-96. The Mammal Society (see also Items 133-137 for material re Handbook of British Mammals sponsored by the Society.)
- 88.- Correspondence re Society business (agenda, symposia, studies sponsored by the Society, its publications, financial and legal arrangements, etc.)
91. 88. 1968 - 1970
89. 1970 - 1971
90. 1972
91. 1973 - 1974

92. Otter Survey sponsored by Mammal Society: maps, note on otter hunting by A.B. Rose, annual reports of Eastern Counties Otter Hounds 1967 - 70
93. Otter Survey: correspondence (mainly from British Field Sports Society which requested Hewer to organise a follow-up to the 1967 survey) 1970 - 73
94. Second interim questionnaire for otter hunts, returns and related correspondence 1972
95. Notes and data compiled by Hewer for report on otters 1972
96. Copy of 1969 report 'The Otter in Britain' in Oryx, ms. drafts of 1972 article, typescripts of 'A Second Otter Report' 1972
97. Committee for Wellcome Institute of Comparative Physiology: correspondence re births of wild cattle 1970
98. Great Bustard Trust: correspondence and report on stock of birds, finance, long-term plans etc. (1972) 1970 - 73
99. Hampshire and Isle of Wight Naturalists Trust: correspondence and evidence given by Hewer at enquiry re proposed marina at Eastney Lake, obituary notice of Oliver Hook written by Hewer for Trust Newsletter, item on cicadas by Hewer for Newsletter 1971 - 72
100. Ray Society: correspondence (mainly re publication of British Tortricoid Moths by Society), report of the Council for 1972-73 when Hewer was president 1972 - 74
101. Institute of Biology, Wessex Branch: correspondence re visit of biology students to New Forest 1972
102. World Wildlife Fund: correspondence re 'Pet Foods' grants and various other topics before the Allocations Committee 1973 - 74
103. Farm Animal Welfare Advisory Committee: summary of Brambell Committee recommendations, copy of 'Then as Now' (extract from John Wrightson's 'Sheep: breeds and Management'), ms. draft of 'The Welfare of Farm Animals' by Hewer, miscellaneous notes and committee papers (annotated), correspondence re controversy over factory farming 1971 - 72
104. Correspondence in New Scientist between Hewer and Professor William Thorpe following publication of Thorpe's article 'Assessing Stress in Factory Farming' 11 March 1972. Drafts of Hewer's letters and photocopies of all letters as they were published 1971
105. RSPCA Wild Animals Advisory Committee: correspondence and notes (much of the correspondence deals with the controversy re fox hunting) 1973
106. New Forest Association: correspondence and statement of evidence re proposed Lyndhurst By-pass, copy of New Forest Bill (1973-74) 1973

V. Lectures

107. 'Mammalia': ms. drafts and notes for a series of 16 lectures (perhaps for London University Extramural Course on Mammalia). Notebook also contains notes for lecture entitled 'How Odd Can Mammals Be?' given in Manchester, November 21, 1968 1957 - 68
108. 'Echinodermata': ms. drafts and drawings for 6 lectures, list of lab. practicals, table of geological time, classification list 1960 - 70
- 109.- Course of lectures on the New Forest organised by Hewer for 1970 - 71
110. WEA Unit of Southampton Adult Education: correspondence, synopsis of the series, reading lists, draft of Hewer's own lectures 'Introduction to the series' and 'Animal Rarities'
111. Imperial College Summer School in Health Physics: typescript with ms. annotations of Lecture I by Hewer (Introduction, composition of cells, systems etc.), bibliography, package of photographs and drawings for demonstrations, administrative papers and correspondence. 1971
112. 'Inner Hebridean Colony': lecture to the Zoological Society of London, February 9, 1958 - ms. notes 1958
113. 'New light on seals and their colonies': lecture at the National Museum of Wales, December 6, 1957 - notes and typescript synopsis 1957
114. Lecture on seals: Bristol, March 18, 1960 - brief notes and film material 1960
115. 'Expedition to North Rona': lecture to the Linnean Society, May 5, 1960 - ms. notes and copy of programme of meeting 1960
116. 'Life tables of Pribilof and Grey Seals': colloquium on life tables of animals at the Nature Conservancy, February 14, 1961 - ms. notes, draft and tables 1961
117. 'Grey Seals': Bristol University Zoological Society, February 20, 1961 - ms. notes 1961
118. 'The construction of a possible life-table for the Grey Seal': lecture in Aberdeen, Easter 1961 - ms. and typescript notes and tables 1961
119. 'Seal populations': lecture at Maidstone, November 1961 - ms. notes 1961
120. 'Problem of the Grey Seal': lecture to the Science Masters Association, January 1962 - ms. notes 1962
121. 'Grey Seals in Pembrokeshire': lecture in Cardiff, February 15, 1962 - ms. notes 1962
122. 'Differential movements of cow Grey Seals': lecture to the Linnean Society, April 2, 1974 - ms. draft 1964
123. '50 years of the New Forest' - ms. notes n.d.

124. 'British Seals': lecture to the British Association, September 9, 1970 - ms. notes 1970
125. Lecture on seals: Junior British Association meeting, Cardiff, March 29-30, 1971 - correspondence, ms. and typescript notes 1971
126. 'Reproduction and aging in the Grey Seal': address to the British Association - typescript draft n.d.
127. 'Reproduction in the Grey Seal': ms. draft of lecture n.d.
128. 'Foetal growth rate, implantation and the female cycle': ms. draft of lecture n.d.
129. 'A study in population dynamics': ms. draft of lecture n.d.
130. 'Grey Seal life table'; ms. draft of lecture n.d.
131. 'Grey Seal in Britain' }
 'British Seals' } ms. notes for very short lectures n.d.
 'Grey Seal lecture' }

VI. Publications

132. 'Seals and Sea-lions' (with K.M. Backhouse) Penguin Book. Synopsis of book, species list, bibliographical notes, drafts of chapters 1 and 2 by K. Backhouse and of chapter 4 'Grey Seal' by Hewer, miscellaneous notes, correspondence re publication, charts and graphs 1956 - 58
- 133.-137. Handbook of British Mammals (Hewer was responsible for collecting the photographs and illustrations for the book)
133. Correspondence re locating photographs, permission to publish, etc. with artists & photographers 1960 - 68
134. Hewer's ms. and typescript notes and drafts of letters, list of illustrations and captions, memo. from H.N. Southern re discussion of various suggestions for the illustrations, Hewer's lay-out of the illustrations 1960 - 68
135. Photographs (some with correspondence) for book 1965 - 69
136. 2nd edition: correspondence with contributors re illustrations and photographs (file includes some of the photographs submitted for publication) 1965 - 69
137. Material re preparation of 2nd edition: correspondence, notes for consideration by editorial board, minutes of meetings, content format, comments on the manuscripts submitted 1968 - 71
138. 'Reports of ringing and returns of Grey Seals,' No.1, September 1954 - August 1956, Proc.Zool.Soc.Lond., 128, Part 4, pp.593-608: ms. and typescript drafts 1957
139. 'The Grey Seal on North Rona', The New Scientist: correspondence, 2 typescript drafts, proof 1959

140. 'Unusual colouring in the Grey Seal' (with K.M. Backhouse) Proc.Zool.Soc.Lond., 134, Part 3, pp. 489-508: 2 typescripts 1960
141. 'Moult and the reproductive cycle in the Grey Seal' (with K.M. Backhouse and E.A. Smith): 2 typescript drafts, one with ms. annotations n.d.
142. 'A red-headed Grey Seal' (with K.M. Backhouse) Proc.Zool.Soc.Lond., 128, p. 592: typescript drafts 1957
143. 'Identification of British Seals': ms. draft and drawings n.d.
144. 'Preliminary report on Grey Seal material (principally from Berwick and Aberdeen': typescript with tabular summaries of data c.1960
145. 'Conservation of the Grey Seal': ms. draft n.d.
- 146.-163. British Seals, The New Naturalist, Collins, 1974
146. Correspondence with Sir Julian Huxley re Huxley's request that Hewer prepare volume on seals and proposed draft of contents 1961 - 63
147. Correspondence with publisher and with experts in the field, comments on the manuscripts 1971 - 72
148. 'Original expansion of contents' January 1962-December 1962 draft arrangement of contents in chapters, ms.and typescript draft of chapter organisation and contents in greatly expanded version 1962 - 63
149. Photographs for British Seals
150. Sketches and material for line drawings
151. Typescript of manuscript by L.S.V. Venables & L.H. Matthews for unpublished Sunday Times booklet, bibliographical notes, maps used by Hewer in preparation of book 1963
152. Miscellaneous notes, data (counts, recoveries, births etc.)
153. Notes re publication: omissions, list of plates, comments on typescript, list of illustrations
154. 'Notes for Chapter 13': ms. draft
155. Notebook of bibliographical material
156. Ms. draft of chapters 1 - 3, table of contents, preface, list of plates
157. Ms. draft of chapters 4 - 6
158. Ms. draft of chapters 7 - 10
159. Ms. draft of chapters 11 - 14

160. Ms. draft of tables, charts, appendices, captions for plates etc.
161. Lists of line drawings and illustrations, graphs, drawings of seal anatomy, tags, distribution maps
162. Negatives of photographs
163. Box of material for publication of British Seals (ms. draft of 'World Conservation of Seals', corrected typescript, photographs and illustrations, prints, index, corrected proofs)
164. Box of offprints by Hewer (including Hewer's contributions to Common Ground Primary Biology Series) 1926 - 68

VII. Films, photographs and drawings

- 165-172. Working scripts and notebooks with prints of drawings, slides and photographs used in films for biology classroom instruction
165. 'Bewick's Birds': list of birds and pictures pasted in notebook
166. 'Feeding and Digestion in Mammals'
167. 'Hydra and Obelia'
168. 'Liver Fluke and Tapeworm'
169. 'Animal Metamorphoses'
170. 'Early Development of Amphioxus'
171. 'Animal Architecture'
172. 'Protozoa'
173. 'Grey Seal': working scripts and sequence order of shots
174. 'Eilean nan Ron': notes, shooting script, list of scenes in original order, list of titles 1956
175. 'Mole-Rats': list of slides and titles, 2 packages of photographs
- 176.- 'Badgers': correspondence, photographs, negatives, drawings, maps, 1951
178. notes for field test, rough script, contents of reels, arrangement of footage
- 179.- 'Badgers': correspondence, field notes, lists of equipment, list 1952
181. of observations, photographs, negatives, camera tests
- 182.- 'Pribilov Seals': drawings, correspondence, order of scenes, 1951
183. miscellaneous notes
- 184.- 'Atlantic Seals': list of scenes on Ramsay 1951-52, treatment and 1952
186. order of scenes, 1st and 2nd edition shooting scripts, list of titles

- 187.- 'Bass Rock': list of sequences of shots, of editing, shooting
188. script, photographs
189. 'Atlantic Seals I': album containing black and white stills taken on Ramsay with catalogue for albums I and II 1951 - 53
190. 'Atlantic Seals II': black and white stills taken on Ramsay 1951 - 53
191. Album containing negatives of bull material with list explaining data and charts
192. Drawings - cranial
193. Notebook containing 7 drawings of physiology of seals, photographs, chart, statistics, rough drawings of musculature 1970
194. X-ray photographs of Grey Seals' skulls
195. Miscellaneous seal photographs and negatives
196. Maps of Oronsay - distribution of seals
197. 'The private life of the Grey Seal': draft of shooting script with comments by Hewer, correspondence with BBC editor 1972
198. Hand-drawn and coloured drawings for projected work on comparative study of egg development 1974

VIII. Index of principal correspondents (numbers refer to items)

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