

The biological records and correspondence of Thomas Coulthard Heysham (1791-1857), naturalist of Carlisle

By Ian D. Hodkinson

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Egg of ring ousel collected by Heysham, sent to William Richard Fisher and illustrated by Francis Morris in his *Natural History of the Nests and Eggs of British Birds*.



Cumbria Biodiversity Data Centre Occasional Publication

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Thomas Coulthard Heysham (1791-1857),
naturalist of Carlisle

Ian D. Hodkinson*



A Heysham favourite - Dotterel from MacPherson and
Duckworth's *Birds of Cumberland*

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Preface

The purpose of this paper is to bring together in one place the natural history records of the Carlisle naturalist Thomas Coulthard Heysham, who was active during the early half of the 19th century. It provides a fully referenced catalogue of his publications and all his species records appearing in his own and other works. It includes a listing of published biographies and obituaries, and information relating to the auction dispersal sale of his library and collections of natural history specimens. Heysham was a major contributor of specimens to two important works on British insects, Curtis's (1824-1839) *British Entomology* and Stephens' (1829-1846) various catalogues of the British species. Insect species included in both these works are listed separately, together with their current updated scientific names. A similar separate list presents the Heysham specimens of bird lice included in Denny's (1841) monograph of the British species. A gazetteer of Heysham's insect collecting localities, together with their OS grid references is included. The sections on birds, mammals and plants are, by contrast, straightforward and require little extra explanation. The work concludes with a listing and brief notes on Thomas Heysham's contacts and correspondents, alongside information on where such correspondence is to be found. Despite some repetition, relevant references are, for ease of access, included below the section to which they apply.

The focus of the work is provision of an easily accessible and fully referenced source of information on Thomas Heysham's contribution to natural history. Further information on his background and life outside natural history can be found in my recent publication '*Thomas Coulthard Heysham (1791-1857), gentleman, naturalist and mayor of Carlisle*' (Hodkinson 2025). Short considerations of his contributions to entomology and botany are included in Hodkinson (2021) and Hodkinson (2024) respectively. Stainton (1856) in his *List of British Entomologists* included Heysham as a specialist in British Diptera and Apidae [bees], forgetting his larger contribution to other insect groups, especially the Lepidoptera and Coleoptera.

Thomas Heysham's father John Heysham was a highly regarded physician and amateur naturalist in Carlisle (Lonsdale 1870). He was the first to compile a list of the fauna of Cumberland, which he published in 1794, but in which insects barely figured. He no doubt provided inspiration for his son and his story is told in my book *Natural Awakenings* (Hodkinson 2019). There has been some confusion in the literature between father and son resulting in part from a statement by Sir Joseph Hooker that as a teenager he knew 'Dr. Heysham of Carlisle, an excellent entomologist and ornithologist' (Anon 1897-1898, Huxley 1918).

Species nomenclature

The species names used throughout this paper correspond with the ***Global Biodiversity Information Facility database (GBIF)***, which incorporates, as far as is feasible, the most recent scientific names for all living species, including their synonymies. See <https://www.gbif.org/>.

Occasionally, where the identity of a species was obscure, it has been necessary also to refer to other internationally recognised nomenclatorial sources, such as the *Royal Botanic Gardens Kew Plants of the World Online* (<https://powo.science.kew.org/>), *National Biodiversity Network Atlas* online (<https://nbnatlas.org/>), the *Pan-European Species Directory* (<http://www.eu-nomen.eu/>) and *The Catalogue of Life* (<https://www.catalogueoflife.org/>).

References

- Anon (1897/1898) Sir Joseph Hooker's response to receiving the award a gold medal of the Linnean Society, *Proceedings of the Linnean Society of London* 110, 32-33.
- Curtis, J. (1824-1839) *British Entomology*, Curtis, London.
- Denny, H. (1842) *Monographia Anoplurum Britanniae*, London, Henry G. Bohn.
- Hodkinson, I.D. (2019) *Natural Awakenings: Early Naturalists in Lakeland*, Kendal, Titus Wilson. pp. 153-169.
- Hodkinson, I.D. (2021) Thomas Coulthard Heysham of Carlisle (1791-1857), *Antenna* 45, 73-77.
- Hodkinson, I.D. (2024) *Roots and Branches: Botanical Exploration of the Lake District 1775-1900*, Carlisle, Bookcase. p.107.
- Hodkinson, I.D. (2025) Thomas Coulthard Heysham (1791-1857), gentleman, naturalist and mayor of Carlisle, *Transactions of the Cumberland and Westmorland Antiquarian and Archaeological Society, Series 3*, 25 (in press)
- Huxley, L. (1918) *Life and Letters of Sir Joseph Huxley, Volume 2*, London, John Murray, p. 429.
- Lonsdale, H. (1870) *The Life of John Heysham M.D. and His Correspondence with Mr Joshua Milne Relative to the Carlisle Bills of Mortality*, London, Longman Green & Co.
- Stainton, H.T. (Ed.) (1856) List of British Entomologists, *The Entomologist's Annual*, p. 19.
- Stephens, J.F. (1829) *A Systematic Catalogue of British Insects*, J.F. Stephens, London.
- Stephens, J.F. (1828-1846) *Illustrations of British Entomology*, J.F. Stephens, London.
- Stephens, J.F. (1839) *A Manual of British Coleoptera, or Beetles*, Longman, London.

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Biographies and obituaries

- Anon (1857) Obituary of T.C. Heysham, *Entomologist's Weekly Intelligencer* 2, 24.
- Anon (1857) April 6 at Carlisle, aged 65, Thomas Coulthard Heysham esq. *Gentleman's Magazine (new ser.)* 1, 629.
- Anon (1857) Coulthard Heysham Esq, *Illustrated London News*, 9 May 1857, p. 3.
- Anon (1857) Death of Mr. T.C. Heysham, *Carlisle Journal* 10 April 1857, p. 4, with erratum in the same newspaper 24 April 1857, p. 5.
- Anon (1857) Thomas Coulthard Heysham, *Liverpool Mercury*, 13 April 1857, p. 3.
- Anon (1857) Thomas Coulthard Heysham, *Westmorland Gazette*, 18 April 1857, p. 5.
- Anon (1857) The late Thomas C. Heysham, *Carlisle Journal*, 17 April 1857, p. 8.
- Darby, M. *Heysham, Thomas Coulthard 1792- 6 April 1857*, The Biographical Dictionary of British Coleoptera, https://www.coleoptera.org.uk/biographical-dictionary?title=heysham&title_1=&body_value=
- Day, F. H. (1946) The progress of natural history in Cumberland, early naturalists and their publications, *Transactions of the Carlisle Natural History Society* 7, 118-127.
- Hodkinson, I.D. (2019) *Natural Awakenings: Early Naturalists in Lakeland*, Titus Wilson, Kendal, pp. 154, 158, 168, 169, 199.
- Hodkinson, I.D. (2021) Thomas Coulthard Heysham of Carlisle (1791-1857): a Cumbrian naturalist and insect collector. *Antenna (Bulletin of the Royal Entomological Society)* 45, 73-77.
- Hodkinson, I.D. (2024) *Roots and Branches: Botanical Exploration of the Lake District 1775-1900*. Carlisle, Bookcase, p. 107.
- Hodkinson, I.D. (2025) Thomas Coulthard Heysham (1791-1857), gentleman, naturalist and mayor of Carlisle, *Transactions of the Cumberland and Westmorland Antiquarian and Archaeological Society, Series 3*, 25 (in press).
- MacPherson, H.A. and Ferguson, R.S. (1892) *A Vertebrate Fauna of Lakeland, Including Cumberland, Westmorland with Lancashire North of the Sands*, Edinburgh, David Douglas. See Prolegomena, pp. xxiv-xxix.
- Murray, J. (1909) A bygone Cumberland naturalist, a memoir of T.C. Heysham, *Transactions of the Carlisle Natural History Society* 1, 1-12.
- Read, R.W.J. (2018) A recent record of *Chrysolina oricalcia* (Müller, O.F.) (Chrysomelidae) from Cumbria (VC 70 Cumberland) together with a note on T.C. Heysham, *The Coleopterist* 27, 130.

Heysham's Publications

On birds

- Heysham, T.C. (1829a) Arrival of the summer birds of passage in the neighbourhood of Carlisle in the year 1808, *Magazine of Natural History Zoology and Botany &c* 1, 290.
- Heysham, T.C. (1829b) Arrival of certain birds of passage in the neighbourhood of Carlisle [1825-1828], *Magazine of Natural History Zoology and Botany &c* 2, 89.
- Heysham, T.C. (1829c) [as 'A Correspondent'] Table of the arrival of some of the summer birds of passage in the neighbourhood of Carlisle during the years 1827 and 1828, *Philosophical Magazine, Series 2*, 5, 196-198.
- Heysham, T.C. (1829d) [as 'A Correspondent'] Notice of the arrival of the winter birds of passage, as well as of a few of the occasional visitants in the neighbourhood of Carlisle during the winter of 1828-1829. *Philosophical Magazine, Series 2*, 6, 110-114.
- Heysham, T.C. (1830a) [as 'C. Carlisle'] Notice on the arrivals of twenty-four of the summer birds of passage in the neighbourhood of Carlisle, during the year 1829, *Magazine of Natural History Zoology and Botany &c* 3, 172-174.
- Heysham, T.C. (1830b) [as 'A Correspondent'] Notice on the arrivals of twenty-four of the summer birds of passage in the neighbourhood of Carlisle, during the year 1829, *Philosophical Magazine, Series 2*, 6, 276-281.
- Heysham, T.C. (1830c) [as 'A Correspondent'] Notice of the arrival of twenty-six of the summer birds of passage in the neighbourhood of Carlisle, together with some of the scarcer species that have been met with in the same vicinity during the year 1830, *Philosophical Magazine, Series 2*, 8, 444-449.
- Heysham, T.C. (1832) [as A Correspondent] Notice of the arrival of twenty-six of the summer birds of passage in the neighbourhood of Carlisle, together with some of the scarcer species that have been met with in the same vicinity during the year 1831, *Philosophical Magazine, Series 2*, 11, 82-86.
- Heysham, T.C. (1833) [as 'A Correspondent'] Notice of the arrival of twenty-six of the summer birds of passage in the neighbourhood of Carlisle during the spring of 1832, together with some of the scarcer species that have been obtained in the same vicinity from the 10 November 1831 to 10th of November 1832, *London and Edinburgh Philosophical Magazine and Journal of Science, Series 3*, 2, 96-103.
- Heysham, T.C. (1834) [as 'A Correspondent'] Notice of the arrival of twenty-six of the summer birds of passage in the neighbourhood of Carlisle during the spring of 1833, together with notices of some of the scarcer species that have been obtained in the same vicinity from the 10th November 1832 to 10th of November 1833, *London and Edinburgh Philosophical Magazine and Journal of Science, Series 3*, 4, 336-340.
- Heysham, T.C. (1835) [as 'A Correspondent'] Notice of the arrival of twenty-six of the summer birds of passage in the neighbourhood of Carlisle during the spring of 1834, to which are added a few observations on some of the scarcer birds that have been obtained in the same vicinity from the 10th November 1833 to 10th of November 1834, *London and Edinburgh Philosophical Magazine and Journal of Science, Series 3*, 6, 424-427.
- Heysham, T.C. (1836) [as 'A Correspondent'] Notice of the arrival of twenty-six of the summer birds of passage in the neighbourhood of Carlisle, Cumberland, during the

- spring of 1835, to which are added a few observations on some of the scarcer species of birds that have been obtained in the same vicinity from Nov. 10. 1834 to Nov. 10. 1835; and a few meteorological remarks on the spring, summer and autumn of 1835, at Carlisle, *Magazine of Natural History and Journal of Zoology, Botany &c*, 9, 185-187.
- Heysham, T.C. (1837) *Charadrius morinellus* breeding in Cumberland, *Magazine of Zoology and Botany*, 1, 104-105.
- Heysham, T.C. (1838) Some observations on the habits of the dotterel made in Cumberland, during the summer of 1835, *Magazine of Natural History* 2, 295-304.

On insects

- Heysham, T.C. (1836) *Cimbex femorata* [sawfly], *Entomological Magazine* 3, 410.
- Heysham, T.C. (1836) *Hipparchia cassiope* [small mountain ringlet butterfly], *Entomological Magazine* 3, 409.
- Heysham, T.C. (1836) *Deilephila galii* [bedstraw hawk moth], *Entomological Magazine* 3, 409.
- Heysham, T.C. (1836) *Papilio podalirius* [scarce swallowtail butterfly], *Entomological Magazine* 3, 410.
- Heysham, T.C. (1841) *Rhinomacer attelaboides* [weevil now known as *Cimberis attelaboides* (Fab.)], *Newman's Entomologist* 8, 128.

Tables of bird records in Heysham's publications 1808-1836

Migratory bird species spring and winter arrivals, recorded 1808 - 1836

Current species name	Recorded scientific name	Recorded common name	1829a	1829b	1829c	1829d	1830a	1830b	1830c	1832	1833	1834	1835	1836
<i>Coturnix coturnix</i>	<i>Coturnix vulgaris</i>	Quail					x	x	x	x	x	x	x	x
<i>Hirundo rustica</i>	<i>Hirundo rustica</i>	Swallow	x	x	x		x	x	x	x	x	x	x	x
<i>Delichon urbicum</i>	<i>Hirundo urbica</i>	House martin	x	x	x		x	x	x	x	x	x	x	x
<i>Riparia riparia</i>	<i>Hirundo riparia</i>	Sand martin	x	x	x		x	x	x	x	x	x	x	x
<i>Apus apus</i>	<i>Cypselus apus</i>	Swift	x	x	x		x	x	x	x	x	x	x	x
<i>Caprimulgus europaeus</i>	<i>Caprimulgus europaeus</i>	Goatsucker	x		x		x	x	x	x	x	x	x	x
<i>Ficedula hypoleuca</i>	<i>Muscicapa atricapilla</i>	Pied flycatcher	x		x		x	x	x	x	x	x	x	x
<i>Muscicapa striata</i>	<i>Muscicapa grisola</i>	Spotted flycatcher	x		x		x	x	x	x	x	x	x	x
<i>Oenanthe oenanthe</i>	<i>Saxicola oenanthe</i>	Wheatear	x		x		x	x	x	x	x	x	x	x
<i>Motacilla rubetra</i>	<i>Saxicola rubetra</i>	Whinchat	x		x		x	x	x	x	x	x	x	x
<i>Phoenicurus phoenicurus</i>	<i>Sylvia phoenicurus</i>	Redstart	x		x		x	x	x	x	x	x	x	x
<i>Locustella certhiola</i>	<i>Corruca locustella</i>	Grasshopper warbler	x		x		x	x	x	x	x	x	x	x
<i>Acrocephalus schoenobaenus</i>	<i>Corruca salicaria</i>	Sedge warbler	x		x		x	x	x	x	x	x	x	x
<i>Sylvia hortensis</i>	<i>Corruca hortensis</i>	Greater pettychaps	x		x		x	x	x	x	x	x	x	x
<i>Phylloscopus sibilatrix</i>	<i>Curruca sibilatrix</i>	Wood wren	x		x		x	x	x	x	x	x	x	x
<i>Sylvia atricapilla</i>	<i>Curruca atricapilla</i>	Blackcap	x		x		x	x	x	x	x	x	x	x
<i>Sylvia communis</i>	<i>Curruca sylvia</i>	Whitethroat	x		x		x	x	x	x	x	x	x	x
<i>Regulus regulus</i>	<i>Regulus trochilus</i>	Yellow wren	x		x		x	x	x	x	x	x	x	x
<i>Motacilla flava</i>	<i>Motacilla flava</i>	Yellow wagtail	x		x		x	x	x	x	x	x	x	x
<i>Anthus trivialis</i>	<i>Anthus trivialis</i>	Field lark or titling	x		x		x	x	x	x	x	x	x	x
<i>Cuculus canorus</i>	<i>Cuculus canorus</i>	Cuckoo	x		x		x	x	x	x	x	x	x	x
<i>Jynx torquilla</i>	<i>Jynx torquilla</i>	Wryneck	x		x		x	x	x	x	x	x	x	x
<i>Crex crex</i>	<i>Ortygometra crex</i>	Corncrake	x		x		x	x	x	x	x	x	x	x
<i>Sterna hirundo</i>	<i>Sterna hirundo</i>	Common tern					x	x	x	x	x	x	x	x
<i>Turdus torquatus</i>	<i>Turdus torquatus</i>	Ring ousel						x	x	x	x	x	x	x
<i>Charadrius morinellus</i>	<i>Charadrius morinellus</i>	Dotterel					x	x	x	x	x	x	x	x

Other notable birds of passage, recorded 1808 - 1836

Current species name	Recorded scientific name	Recorded common name	1829a	1829b	1829c	1829d	1830a	1830b	1830c	1832	1833	1834	1835	1836
<i>Alca torda</i>	<i>Alca torda</i>	Razor bill									x		x	
<i>Alle alle</i>	<i>Mergulus melanoleucos</i>	Little auk											x	
<i>Arenaria interpres</i>	<i>Streptilas interpres</i>	Turnstone							x		x	x	x	
<i>Bombycilla garrula</i>	<i>Bombycilla garrula</i>	Bohemian chatterer				x				x				
<i>Botaurus stellaris</i>	<i>Ardea stellaris</i>	Bittern								x				
<i>Branta bernicla</i>	<i>Anser brenta</i>	Brent goose				x								
<i>Buteo lagopus</i>	<i>Buteo lagopus</i>	Rough-legged buzzard				x								
<i>Calidris alba</i>	<i>Calidris arenaria</i>	Common sanderling										x		
<i>Calidris canutus</i>	<i>Tringa canutus</i>	Knott							x					
<i>Calidris ferruginea</i>	<i>Tringa subarquata</i>	Pygmy curlew										x	x	
<i>Calidris minuta</i>	<i>Tringa minuta</i>	Double or little fork-tailed sandpiper								x	x			x
<i>Calidris pugnax</i>	<i>Tringa pugnax</i>	Ruff							x	x				
<i>Chlidonias niger</i>	<i>Sterna nigra</i>	Black tern												x
<i>Chroicocephalus brunnicephalus</i>	<i>Larus capistratus</i>	Lesser brown-headed gull										x		
<i>Clangula hyemalis</i>	<i>Clangula vulgaris</i>	Longtail duck												x
<i>Coccothraustes coccothraustes</i>	<i>Coccothraustes vulgaris</i>	Common grosbeak or hawfinch										x		
<i>Loxia curvirostra</i>	<i>Loxia curvirostra</i>	Crossbill				x							x	
<i>Cygnus cygnus</i>	<i>Cygnus ferus</i>	Wild swan				x								
<i>Dendrocopos major</i>	<i>Picus major</i>	Greater spotted woodpecker							x					
<i>Fringilla montefringilla</i>	<i>Fringilla montefringilla</i>	Mountain finch				x								
<i>Gallinago gallinago</i>	<i>Scolopax gallinago</i>	Common snipe									x			
<i>Gallinago media</i>	<i>Scolopax major</i>	Great snipe								x				
<i>Gavia arctica</i>	<i>Colymbus arcticus</i>	Black throated diver				x								
<i>Gavia immer</i>	<i>Colymbus glacialis</i>	Northern diver									x	x		
<i>Gavia stellata</i>	<i>Colymbus septentrionalis</i>	Red-throated diver											x	
<i>Hydrobates leucorhous</i>	<i>Procellaria bullockii</i>	Fork-tailed petrel									x			
<i>Lanius collurio</i>	<i>Lanius collurio</i>	Red-backed shrike												x
<i>Lanius excubitor</i>	<i>Lanius excubitor</i>	Greater butcher bird or cinerous shrike				x					x	x		
<i>Larus glaucoides</i>	<i>Larus islandicus</i>	Iceland gull												x

Citations of T.C. Heysham's bird records in other publications



Common curlew chick illustrated in Yarrell's *History of British Birds*
- from a specimen sent to him by Thomas Heysham

The initial source of some of these records is uncertain as they are additional to Heysham's published lists. They almost certainly relate to records mentioned in correspondence with the authors or represent specimens in Heysham's collection.

Current species name	Recorded common name	Author	Page
<i>Acrocephalus schoenobaenus</i>	Sedge warbler	Morris 1851-1865d	76
<i>Acrocephalus schoenobaenus</i>	Sedge warbler	Morris 1853b	75
<i>Acrocephalus schoenobaenus</i>	Sedge warbler	MacPherson & Duckworth 1886	11
<i>Acrocephalus scirpaceus</i>	Reed warbler	Christy 1890	86
<i>Actitis macularius</i>	Spotted sandpiper	Stevenson 1870	233
<i>Alectoris rufa</i>	Red-legged partridge	Anon 1901	34
<i>Anthus petrosus</i>	Rock pipit	Christy 1890	100
<i>Apus apus</i>	Swift	Hewitson 1833b	480
<i>Aquila chrysaetos</i>	Golden eagle	Buckley and Harvey-Brown 1891	145-146
<i>Aquila chrysaetos</i>	Golden eagle	Williams 2014	158
<i>Aythya fuligula</i>	Tufted duck	Gladstone 1910	282
<i>Aythya fuligula</i>	Tufted duck	MacPherson 1887	386
<i>Bombycilla garrulus</i>	Waxwing	MacPherson & Duckworth 1886	29
<i>Botaurus stellaris</i>	Bittern	Yarrell 1843a	476
<i>Botaurus stellaris</i>	Bittern	Thompson 1850	164
<i>Botaurus stellaris</i>	European bittern	MacGillivray 1852b	415
<i>Bubo scandiacus</i>	Snowy owl	Buckley and Harvey-Brown 1891	138
<i>Calidris alba</i>	Sanderling	Yarrell 1843a	428
<i>Calidris alba</i>	Sanderling	Howse 1865	349
<i>Calidris alba</i>	Common sandpiper	MacPherson & Duckworth 1886	156
<i>Calidris alba</i>	Sandpiper	Watson 1888	163
<i>Calidris alba</i>	Sanderling	Howse 1899	77
<i>Calidris alpina</i>	Dunlin	Anon 1902	58
<i>Calidris falcinellus</i>	Broad-billed sandpiper	Anon 1902	59
<i>Calidris ferruginea</i>	Curlew sandpiper	Morris 1851-1865e	30
<i>Calidris minuta</i>	Minute sandpiper (little stint)	Jardine 1842	244
<i>Calidris minuta</i>	Little stint	Yarrell 1843a	648
<i>Calidris minuta</i>	Little stint	Adamson 1879	56
<i>Calidris minuta</i>	Little stint	Aplin 1889	156
<i>Calidris minuta</i>	Little stint	Gladstone 1910	395
<i>Calidris pugnax</i>	Ruff	MacPherson & Duckworth 1886	152
<i>Calidris subruficollis</i>	Buff-breasted sandpiper	Babington 1884-1886	239
<i>Calidris subruficollis</i>	Buff-breasted sandpiper	Gould 1873c	plate 64
<i>Calidris subruficollis</i>	Buff-breasted sandpiper	Stevenson 1870	359
<i>Calidris temminckii</i>	Temminck's sandpiper	MacGillivray 1852b	234
<i>Caprimulgus europaeus</i>	Nightjar	MacPherson & Duckworth 1886	63
<i>Carduelis carduelis</i>	Goldfinch	Gould 1873c	plate 36
<i>Charadrius morinellus</i>	Dotterel	Hewitson 1833b	293, 295
<i>Charadrius morinellus</i>	Dotterel	Salmon 1836	520-526

<i>Charadrius morinellus</i>	Dotterel	Anon 1836	2
<i>Charadrius morinellus</i>	Dotterel	Eyton 1836	99
<i>Charadrius morinellus</i>	Dotterel	Anon 1837	562
<i>Charadrius morinellus</i>	Dotterel	Anon 1838a	166
<i>Charadrius morinellus</i>	Dotterel	Anon 1838b	349
<i>Charadrius morinellus</i>	Dotterel	Jardine 1842	296
<i>Charadrius morinellus</i>	Dotterel	Jones 1842b	19
<i>Charadrius morinellus</i>	Dotterel	MacGillivray 1842	50
<i>Charadrius morinellus</i>	Dotterel	Jenyns 1844	179
<i>Charadrius morinellus</i>	Dotterel	Yarrell 1843a	393, 398
<i>Charadrius morinellus</i>	Dotterel	MacGillivray 1852b	107
<i>Charadrius morinellus</i>	Dotterel	Morris 1855	116
<i>Charadrius morinellus</i>	Dotterel	Lashley 1858	202
<i>Charadrius morinellus</i>	Dotterel	Craven 1859	240
<i>Charadrius morinellus</i>	Dotterel	Newman 1861	7485
<i>Charadrius morinellus</i>	Dotterel	Cooper 1861	7638
<i>Charadrius morinellus</i>	Dotterel	Stevenson 1870	79
<i>Charadrius morinellus</i>	Dotterel	Harting 1872	44
<i>Charadrius morinellus</i>	Dotterel	Gould 1873c	Plate 43
<i>Charadrius morinellus</i>	Dotterel	Harvie-Brown 1873	242
<i>Charadrius morinellus</i>	Dotterel	Smith 1874	115
<i>Charadrius morinellus</i>	Dotterel	Seebohm 1885	32
<i>Charadrius morinellus</i>	Dotterel	MacPherson & Duckworth 1886	133-138
<i>Charadrius morinellus</i>	Dotterel	MacPherson 1890b	90, 96
<i>Charadrius morinellus</i>	Dotterel	MacPherson 1893	129
<i>Charadrius morinellus</i>	Dotterel	Harvie-Brown & Buckley 1895	171, 176
<i>Charadrius morinellus</i>	Dotterel	Lord Lifford. 1895	5
<i>Charadrius morinellus</i>	Dotterel	Poynting 1895-96	2
<i>Charadrius morinellus</i>	Dotterel	Sharpe 1896	154
<i>Charadrius morinellus</i>	Dotterel	Craven 1899	240
<i>Charadrius morinellus</i>	Dotterel	Pearson 1904	86
<i>Charadrius morinellus</i>	Dotterel	Wolley 1905-1907	111
<i>Charadrius morinellus</i>	Dotterel	Nelson 1907	571-572
<i>Charadrius morinellus</i>	Dotterel	Gladstone 1910	361
<i>Charadrius morinellus</i>	Dotterel	Kirkman 1910c	315, 335, 337
<i>Charadrius morinellus</i>	Dotterel	F.C.R.J 1913	94
<i>Charadrius morinellus</i>	Dotterel	Haviland 1917	9
<i>Charadrius morinellus</i>	Dotterel	Gardiner 1923	89
<i>Charadrius morinellus</i>	Dotterel	Witherby 1924	514
<i>Chlidonias hybrida</i>	Whiskered tern	Hewitson 1833b	483
<i>Chlidonias hybrida</i>	Whiskered tern	Yarrell 1843b	404
<i>Chlidonias hybrida</i>	Whiskered tern	MacGillivray 1852a	664
<i>Chlidonias hybrida</i>	Whiskered tern	Jardine 1860	281
<i>Chlidonias hybrida</i>	Whiskered tern	Saunders 1889	621
<i>Chroicocephalus brunnicephalus</i>	Masked gull	Yarrell 1843b	431

<i>Cinclus cinclus</i>	Dipper	Christy 1890	90
<i>Cinclus cinclus</i>	Dipper	Anon 1905	79
<i>Circus aeruginosus</i>	Marsh harrier	MacPherson & Duckworth 1886	70
<i>Circus cyaneus</i>	Hen harrier	Hewitson 1833a	78
<i>Circus pygargus</i>	Montagu's harrier	Cooper 1851	19
<i>Circus pygargus</i>	Montagu's harrier	MacPherson & Duckworth 1886	70
<i>Clangula hyemalis</i>	Long-tailed duck	Yarrell 1843b	256
<i>Coccothraustes coccothraustes</i>	Hawfinch	MacPherson 1885a	149
<i>Coccothraustes coccothraustes</i>	Hawfinch	Christy 1890	114
<i>Coloeus monedula</i>	Jackdaw	Anon 1912	473
<i>Coracias garrulus</i>	Roller	Buckley and Harvey-Brown 1891	133
<i>Corvus frugilegus</i>	Rook	Yarrell 1843a	90
<i>Coturnix coturnix</i>	Quail	MacPherson & Duckworth 1886	123
<i>Cuculus canorus</i>	Cuckoo	Kirkman 1910b	490
<i>Curruca curruca</i>	Lesser whitethroat	Christy 1890	82
<i>Cyanistes caeruleus</i>	Blue tit	Hewitson 1833a	76
<i>Cyanistes caeruleus</i>	Blue tit	Yarrell 1839	331
<i>Cyanistes caeruleus</i>	Blue tit	Morris 1851-1865a	207
<i>Cyanistes caeruleus</i>	Blue tit	Morris 1853a	2
<i>Cyanistes caeruleus</i>	Blue tit	Dresser 1871-81a	136
<i>Cyanistes caeruleus</i>	Blue tit	Wood 1886	171
<i>Dendrocopos major</i>	Great spotted woodpecker	Yarrell 1843a	145
<i>Emberiza cirlus</i>	Cirl bunting	Howse 1865	310
<i>Emberiza cirlus</i>	Cirl bunting	Howse 1899	38
<i>Emberiza schoeniclus</i>	Common bunting	Gould 1873c	plate 26
<i>Falco peregrinus</i>	Peregrine falcon	Cooper 1861	7637
<i>Falco tinnunculus</i>	Kestrel	Anon 1902	309
<i>Ficedula hypoleuca</i>	Pied flycatcher	Hewitson 1833a	8
<i>Ficedula hypoleuca</i>	Pied flycatcher	Yarrell 1839	170
<i>Ficedula hypoleuca</i>	Pied flycatcher	Jones 1842a	170
<i>Ficedula hypoleuca</i>	Pied flycatcher	Morris 1851-1865b	3
<i>Ficedula hypoleuca</i>	Pied flycatcher	Morris 1853a	71
<i>Ficedula hypoleuca</i>	Pied flycatcher	Gould 1873a	plate 18
<i>Ficedula hypoleuca</i>	Pied flycatcher	Hay 1877-78	284
<i>Ficedula hypoleuca</i>	Pied flycatcher	MacPherson & Duckworth 1886	31, 33, 34
<i>Ficedula hypoleuca</i>	Pied flycatcher	Adams and Adams 1894	141
<i>Ficedula hypoleuca</i>	Pied flycatcher	Kirkman 1910a	275
<i>Gallinago gallinago</i>	Common snipe	MacPherson & Duckworth 1886	146
<i>Gallinago media</i>	Great snipe	MacPherson & Duckworth 1886	146
<i>Gallinula chloropus</i>	Moorhen	Anon 1901	124
<i>Garrulus glandarius</i>	Jay	Anon 1912	490

<i>Gavia immer</i>	Great northern diver	Yarrell 1843b	324
<i>Gavia stellata</i>	Red throated diver	Yarrell 1843b	337
<i>Gelochelidon nilotica</i>	Gull-billed tern	Stevenson 1890	308
<i>Haematopus ostralegus</i>	Oyster catcher	Anon 1902	4
<i>Haliaeetus albicilla</i>	White-tailed eagle	Buckley and Harvey-Brown 1891	145-147
<i>Haliaeetus albicilla</i>	White-tailed eagle	Christy 1890	188
<i>Himantopus himantopus</i>	Black-winged stilt	Stevenson 1870	247
<i>Hirundo rustica</i>	Swallow	Yarrell 1843a	214
<i>Hydrobates pelagicus</i>	Storm petrel	MacPherson 1890a	48
<i>Hydroprogne caspia</i>	Caspian tern	Yarrell 1843b	386
<i>Hydroprogne caspia</i>	Caspian tern	Gould 1873d	plate 68
<i>Hydroprogne caspia</i>	Caspian tern	Stevenson 1890	296-297
<i>Ixobrychus minutus</i>	Little bittern	Jardine 1842	141
<i>Ixobrychus minutus</i>	Little bittern	Yarrell 1843a	471
<i>Ixobrychus minutus</i>	Little bittern	Stevenson 1870	156
<i>Jynx torquilla</i>	Wryneck	MacPherson 1884	128
<i>Jynx torquilla</i>	Wryneck	MacPherson & Duckworth 1886	65
<i>Jynx torquilla</i>	Wryneck	Gladstone 1910	154
<i>Jynx torquilla</i>	Wryneck	Thorpe 1910	184
<i>Jynx torquilla</i>	Wryneck	Jourdain 1920	43
<i>Lanius excubitor</i>	Cinereous shrike	MacPherson & Duckworth 1886	27
<i>Larus fuscus</i>	Lesser black-backed gull	Anon 1901	214
<i>Larus glaucoides</i>	Iceland gull	MacPherson & Duckworth 1886	169
<i>Larus glaucoides</i>	Iceland gull	Gladstone 1910	440
<i>Larus marinus</i>	Great black-backed gull	Anon 1901	212
<i>Limnodromus griseus</i>	Brown snipe	Yarrell 1843a	622
<i>Limnodromus griseus</i>	Brown snipe	Morris 1855	154
<i>Limosa lapponica</i>	Bar-tailed godwit	MacGillivray 1852b	265
<i>Limosa limosa</i>	Black-tailed godwit	Yarrell 1843a	566
<i>Limosa limosa</i>	Black-tailed godwit	Howse 1865	347
<i>Limosa limosa</i>	Black-tailed godwit	Howse 1899	75
<i>Limosa scolopacea?</i>	Red-breasted snipe	Harting 1872	244
<i>Locustella certhiola</i>	Grasshopper warbler	Yarrell 1839	264
<i>Locustella luscinioides</i>	Savi's warbler	Stevenson 1866	112
<i>Locustella luscinioides</i>	Savi's warbler	Gould 1873a	plate 77
<i>Loxia curvirostra</i>	Crossbill	MacPherson & Duckworth 1886	51,52
<i>Loxia curvirostra</i>	Common crossbill	Aplin 1889	97
<i>Loxia leucoptera</i>	White-winged crossbill	Cooper 1846	1551
<i>Loxia leucoptera</i>	Two-barred crossbill	Dresser 1871-81b	143
<i>Loxia leucoptera</i>	Two-barred crossbill	MacPherson & Duckworth 1886	193
<i>Loxia leucoptera</i>	Two-barred crossbill	Anon 1890	415
<i>Lullua arborea</i>	Wood lark	Morris 1851-1865c	7
<i>Lyrurus tetrix</i>	Black grouse	Anon 1901	29

<i>Melanitta nigra</i>	Common scoter	Gladstone 1910	292
<i>Melanitta perspicillata</i>	Surf scoter	Armstrong 1857	251
<i>Melanitta perspicillata</i>	Surf scoter (went to Gurney)	MacPherson & Duckworth 1886	115, 193
<i>Merops apiaster</i>	Bee eater	Yarrell 1843a	202
<i>Merops apiaster</i>	Bee eater	Dresser 1871-81c	156
<i>Milvus milvus</i>	Kite	Harting 1872	7
<i>Milvus milvus</i>	Kite	Mathew 1894	51
<i>Motacilla alba</i>	White wagtail	Yarrell 1855	23
<i>Motacilla alba</i>	White wagtail	MacPherson & Duckworth 1886	20
<i>Motacilla alba</i>	White wagtail	MacPherson 1891	211
<i>Motacilla cinerea</i>	Grey wagtail	Hewitson 1833a	59
<i>Motacilla cinerea</i>	Grey wagtail	Christy 1890	98
<i>Motacilla flava</i>	Blue-headed wagtail	Christy 1890	98
<i>Motacilla flava</i>	Yellow wagtail	Anon 1912	84
<i>Motacilla yarrellii</i>	Pied wagtail	Wolley 1864	270
<i>Motacilla yarrellii</i>	Pied wagtail	Anon 1889	403
<i>Muscicapa striata</i>	Spotted flycatcher	Dale 1837	174
<i>Numenius arquata</i>	Common curlew	Yarrell 1843a	515
<i>Numenius phaeopus</i>	Whimbrel	MacPherson 1885b	149
<i>Numida meleagris</i>	Guinea fowl	Anon 1901	63
<i>Oceanites oceanicus</i>	Wilson's petrel	Dresser 1871-81e	506
<i>Oceanites oceanicus</i>	Wilson's petrel	Harting 1872	178
<i>Oceanites oceanicus</i>	Wilson's petrel	MacPherson & Duckworth 1886	181
<i>Oenanthe isabellina</i>	Isabelline wheatear	MacPherson 1888	329
<i>Oenanthe oenanthe</i>	Wheatear	Anon 1905	168
<i>Otis tarda</i>	Great bustard	Bidwell 1885	141
<i>Otis tarda</i>	Great bustard	Stevenson 1890	404
<i>Periparus ater</i>	Coal tit	Howse 1865	328
<i>Pernis apivorus</i>	Honey buzzard	Fisher 1843	378
<i>Pernis apivorus</i>	Honey buzzard	Jourdain 1911	149
<i>Phalaropus lobatus</i>	Grey phalarope	Thompson 1850	338
<i>Pinguinus impennis</i>	Great auk	Anon 1909	334
<i>Platalea leucorodia</i>	Spoonbill	MacPherson 1888	330
<i>Platalea leucorodia</i>	Spoonbill	Gladstone 1910	239
<i>Pluvialis apricaria</i>	Golden plover	Anon 1902	18
<i>Podiceps cristatus</i>	Great-crested grebe	Yarrell 1843b	300
<i>Podiceps cristatus</i>	Great-crested grebe	Thompson 1851	176
<i>Podiceps cristatus</i>	Great-crested grebe	Jardine 1860	202
<i>Podiceps cristatus</i>	Great-crested grebe	Gladstone 1910	459
<i>Porzana parva</i>	Little crane	MacPherson 1888	331
<i>Porzana porzana</i>	Spotted crane	Yarrell 1843b	13
<i>Proleptomonas faecicola</i>	Woodlark	Jardine 1866	328
<i>Proleptomonas faecicola</i>	Woodlark	Gould 1873b	plate 14
<i>Proleptomonas faecicola</i>	Woodcock	MacPherson 1888	331

<i>Proleptomonas faecicola</i>	Woodcock	Archibold 1894	188
<i>Proleptomonas faecicola</i>	Woodlark	Gladstone 1910	149
<i>Prunella modularis</i>	Hedge sparrow	Anon 1905	133
<i>Pyrrhonorax pyrrhonorax</i>	Chough	Ralfe 1905	83
<i>Pyrrhonorax pyrrhonorax</i>	Chough	Gladstone 1910	110
<i>Regulus ignicapillus</i>	Firecrest	MacPherson & Duckworth 1886	8
<i>Regulus ignicapillus</i>	Firecrest	MacPherson 1889b	228
<i>Riparia riparia</i>	Sand martin	Yarrell 1843a	229
<i>Riparia riparia</i>	Sand martin	Morris 1851-1865b	158
<i>Riparia riparia</i>	Sand martin	Anon 1903	231
<i>Saxicola rubicola</i>	Stonechat	Christy 1890	78
<i>Spatula clypeata</i>	Shoveler	Yarrell 1843b	151
<i>Spatula clypeata</i>	Shoveler	Wolley 1905-1907	557
<i>Spatula querquedula</i>	Garganey	Wolley 1905-1907	561
<i>Spinus spinus</i>	Siskin	MacPherson & Duckworth 1886	42
<i>Stercorarius skua</i>	Great skua	Thorpe & Hope 1909	189
<i>Sterna albifrons</i>	Little tern	Gladstone 1910	427
<i>Sterna dougallii</i>	Roseate tern	Yarrell 1843b	394
<i>Sterna dougallii</i>	Roseate tern	Dresser 1871-81e	227
<i>Sterna dougallii</i>	Roseate tern	MacPherson & Duckworth 1886	165
<i>Sterna hirundo</i>	Common tern	Thompson 1851	281
<i>Sterna hirundo</i>	Common tern	Jardine 1860	277
<i>Sterna hirundo</i>	Common tern	Howse 1899	105
<i>Sterna sp.</i>	Tern	Anon 1838c	416
<i>Streptopelia turtur</i>	Turtle dove	Yarrell 1843a	269
<i>Streptopelia turtur</i>	Turtle dove	Dresser 1871-81d	40
<i>Tadorna tadorna</i>	Sheld duck	Anon 1902	162
<i>Tringa erythropus</i>	Spotted redshank	Yarrell 1843a	521
<i>Tringa erythropus</i>	Spotted redshank	MacPherson & Duckworth 1886	159
<i>Tringa erythropus</i>	Spotted redshank	MacPherson 1889a	175
<i>Tringa nebularia</i>	Greenshank	Yarrell 1843a	550
<i>Tringa nebularia</i>	Greenshank	MacPherson & Duckworth 1886	160
<i>Tringa ochropus</i>	Green sandpiper	Yarrell 1843a	531
<i>Tringa totanus</i>	Redshank	Jardine 1842	201
<i>Turdus iliacus</i>	Redwing	Cooper 1864	9022
<i>Turdus iliacus</i>	Redwing	Christy 1890	73
<i>Turdus torquatus</i>	Ring ousel	Yarrell 1839	209
<i>Turdus torquatus</i>	Ring ousel	Morris 1851-1865c	214
<i>Turdus torquatus</i>	Ring ousel	Morris 1853b	49
<i>Turdus torquatus</i>	Ring ousel	Birley 1886	75
<i>Turdus torquatus</i>	Ring ousel	Christy 1890	75
<i>Turdus torquatus</i>	Ring ousel	Anon 1905	129
<i>Vanellus vanellus</i>	Lapwing	MacPherson & Duckworth 1886	138

References

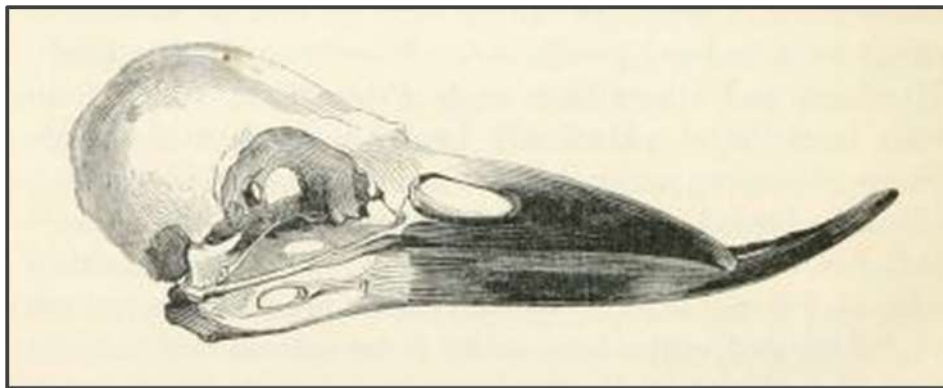
- Adams, H.G. and Adams, H.B. (1894) *The Smaller British Birds*, London, Gibbings and Company.
- Adamson, C.M. (1879) Vernal migration of the little stint, In C.M. Adamson (Ed.) *Sundry Natural History Scraps More Especially About Birds*, Newcastle-upon-Tyne, L. Bell.
- Anon (1836) Proceedings of a meeting chaired by William Yarrell showing Heysham exhibit, *Proceedings of the Zoological Society of London* 37, 2.
- Anon (1837) Extract from minute book 19 January 1836 of William Yarrell exhibiting Heysham's dotterel specimens, *Transaction of the Linnean Society of London* 17, 562.
- Anon (1838a) Review of Hewitson's *British Oology*, *Naturalist* 3, 166-167.
- Anon (1838b) XVII Note on Heysham's paper on dotterel, *The Analyst* 8, 349.
- Anon (1838) List of Presents, *Transactions of the Natural History Society of Northumberland, Durham and Newcastle-upon Tyne*, 416.
- Anon (1889) Memoir of the late Frederick Bond, *Zoologist, Series 3*, 13, 401-422.
- Anon (1892) Notices of new books, *Zoologist, Series 3*, 16, 437.
- Anon (1901) *Catalogue of the Collection of bird's Eggs in the British Museum, Volume 1*, London, Trustees of the British Museum.
- Anon (1902) *Catalogue of the Collection of bird's Eggs in the British Museum, Volume 2*, London, Trustees of the British Museum.
- Anon (1903) *Catalogue of the Collection of bird's Eggs in the British Museum, Volume 3*, London, Trustees of the British Museum.
- Anon (1905) *Catalogue of the Collection of bird's Eggs in the British Museum, Volume 4*, London, Trustees of the British Museum.
- Anon (1909) Transactions of the Carlisle Natural History Society, *Naturalist* 34, 334.
- Anon (1912) *Catalogue of the Collection of Bird's Eggs in the British Museum, Volume 5*, London, Trustees of the British Museum.
- Aplin, O.V. (1889) *The Birds of Oxfordshire*, Oxford, Clarendon Press.
- Archibald, C.F. (1894) Woodcock breeding in the Lake District, *Zoologist, series 3*, 18, 187-188.
- Armstrong, T. (1857) Notes on the Natural history of east Cumberland, *Naturalist* 7-8, 250-253.
- Babington, C. (1884-1886) *Catalogue of the Birds of Suffolk*, London, John Van Voorst.
- Bidwell, E. (1885) Miscellaneous notes and observations - note on eggs of great bustard, *Transactions of the Norfolk and Norwich Naturalists' Society* 4, 140-142.
- Birley, F.H. (1886) Notes from Merionethshire, *Zoologist, Series 3*, 10, 75-76.
- Buckley, T.E. and Harvie-Brown, J.A. (1891) *A Vertebrate Fauna of the Orkney Islands*, Edinburgh, D. Douglas.
- Christy, M. (1890) *The Birds of Essex*, Chelmsford, Edmund Durrant and Co.
- Cooper, J. (1846) Occurrence of the white-winged crossbill near Carlisle, *Naturalist* 4, 1551.
- Cooper, J. (1851) Lark's eggs found in the stomach of a hawk, *Naturalist* 2, 19.
- Cooper, J. (1861) Collected observations on birds' nests &c, *Zoologist* 19, 7637-7640.
- Cooper, J. (1864) Redwings singing in England, *Zoologist*, 22, 9022.

- 'Craven' [Carleton, J.W.] (1859) *Recreations in Shooting: with Some Account of the Game of the British Isles*, London, Henry, G. Bohn.
- 'Craven' [Carleton, J.W.] (1899) *The Young Sportsman's Manual or Recreations in Shooting*, London, Chapman and Hall.
- Dale, J.C. (1837) Catalogue of the Mammalia, birds, reptiles and amphibians found in Dorset, *Naturalist*, 2, 171-183.
- Dresser, H.E. (1871-1881a) *A History of the Birds of Europe, Volume 3*, London, self-published.
- Dresser, H.E. (1871-1881b) *A History of the Birds of Europe, Volume 4*, London, self-published.
- Dresser, H.E. (1871-1881c) *A History of the Birds of Europe, Volume 5*, London, self-published.
- Dresser, H.E. (1871-1881d) *A History of the Birds of Europe, Volume 7*, London, self-published.
- Dresser, H.E. (1871-1881e) *A History of the Birds of Europe, Volume 8*, London, self-published.
- Eyton, T.C. (1836) *A History of the Rarer British Birds*, London, Longman, Rees, Orme, Brown, Green, and Longman.
- 'F.C.R.J.' (1913) Early nesting of dotterel, *British Birds* 6, 94.
- Fisher, W.R. (1843) Notes on the changes in the plumage of the honey buzzard, *Zoologist* 1, 375-380.
- Gardiner, L. (1923) *Rare Vanishing and Lost British Birds*, London. J.M. Dent and Sons Ltd.
- Gladstone, H.S. (1910) *The Birds of Dumfriesshire*, London, Witherby and Co.
- Gould, J. (1873) *The Birds of Great Britain, Volume 2*, London, self-published.
- Gould, J. (1873a) *The Birds of Great Britain, Volume 3*, London, self-published.
- Gould, J. (1873b) *The Birds of Great Britain, Volume 4*, London, self-published.
- Gould, J. (1873c) *The Birds of Great Britain, Volume 5*, London, self-published.
- Harting, J.E. (1872) *A Handbook of British Birds*, London, John Van Voorst.
- Harvie-Brown, J.A. (1873) On the nesting of the dotterel (*Charadrius morinellus*) in Scotland, *Proceedings of the Natural History Society of Glasgow* 2, 241-242.
- Harvie-Brown, J.A. and Buckley, T.E. (1895) *A Vertebrate Fauna of the Moray Basin, Volume 2*, Edinburgh, David Douglas.
- Haviland, M.D. (1917) Notes on the breeding of the dotterel on the Yensei, *British Birds* 11, 6-11.
- Hay, D. (1877-78) On migration, *Scottish Naturalist* 4, 283-292.
- Hewitson, W.C. (1833a) *British Oology Being Illustrations of the Eggs of British Birds, Volume 1*, Newcastle-upon-Tyne, self-published.
- Hewitson, W.C. (1833b) *British Oology Being Illustrations of the Eggs of British Birds, Volume 2*, Newcastle-upon-Tyne, self-published.
- Howse, R. (1865) Index catalogue of the birds in the Hancock collection presented by deed of gift, 1st Nov., to the trustees, by John Hancock, *Transactions of the Natural History Society of Northumberland, Durham and Newcastle-upon Tyne* 1, 273-409.
- Howse, R. (1899) *Index-Catalogue of the Birds in the Hancock Collection*. Newcastle-upon Tyne, Natural History Society of Northumberland, Durham and Newcastle-upon Tyne.
- Jardine, W. (1842) *The Naturalist's Library, Volume 3, Ornithology*, London, Chatto and Windus.

- Jardine, W. (1860) *The Naturalist's Library, Volume 4, Ornithology*, London, Chatto and Windus.
- Jardine, W. (1866) *The Naturalist's Library, Volume 2, Ornithology*, London, Chatto and Windus.
- Jenyns, L. (1844) *Observations in Natural History*, London, John Van Voorst.
- Jones, T.R. (1842a) *Cassell's Book of Birds from the Text of Dr. Brehm, Volume 2*, London, Cassell, Petter and Galpin.
- Jones, T.R. (1842b) *Cassell's Book of Birds from the Text of Dr. Brehm, Volume 4*, London, Cassell, Petter and Galpin.
- Jourdain, F.C.R. (1911) Breeding of the honey buzzard in England, *Zoologist, Series 4*, 15, 149-150.
- Jourdain, F.C.R. (1920) Comment on note by E.U. Savage entitled Wryneck in Westmorland, *British Birds* 14, 43.
- Kirkman, F.B. (1910a) *The British Bird Book, A Complete Work on the Birds, Nests and Eggs of Great Britain, Volume 2:2*, London, T.C. and E.C. Jack.
- Kirkman, F.B. (1910b) *The British Bird Book, A Complete Work on the Birds, Nests and Eggs of Great Britain, Volume 2:3*, London, T.C. and E.C. Jack.
- Kirkman, F.B. (1910c) *The British Bird Book, A Complete Work on the Birds, Nests and Eggs of Great Britain, Volume 3:2*, London, T.C. and E.C. Jack.
- Lashley, R. (1858) *British Birds' Eggs*, London, Routledge, Warne and Routledge.
- Lord Lifford. (1895) *Notes on the Birds of Northamptonshire and Neighbourhood*, London, R.H. Porter.
- MacGillivray, W. (1842) *A Manual of British Ornithology, Part 2, The Water Birds*, London, Scott, Webster and Geary.
- MacGillivray, W. (1852a) *A History of British Water Birds, Indigenous and Migratory, Volume 2*, London, William S. Orr and Co.
- MacGillivray, W. (1852b) *A History of British Water Birds, Indigenous and Migratory, Volume 4*, London, William S. Orr and Co.
- MacPherson, H.A. and Duckworth, W. (1886) *The Birds of Cumberland Critically Studied, Including Some Notes on the Birds of Westmorland*, Carlisle, Chas Thurnam.
- MacPherson, H.A. (1884) Ornithological notes from Carlisle, *Zoologist, Series 3*, 8, 127-130.
- MacPherson, H.A. (1885a) The hawfinch in Cumberland, *Naturalist* 10, 149.
- MacPherson, H.A. (1885b) The whimbrel in Cumberland, *Naturalist* 10, 149.
- MacPherson, H.A. (1887) The tufted duck on the Solway, *Zoologist, Series 3*, 11, 385-386.
- MacPherson, H.A. (1888) Notes on the birds of Cumberland, *Zoologist, Series 3*, 12, 328-331.
- MacPherson, H.A. (1889a) Ornithological notes from Cumberland, *Zoologist, Series 3*, 13, 175-177.
- MacPherson, H.A. (1889b) The firecrest in Cumberland, *Zoologist, Series 3*, 13, 228.
- MacPherson, H.A. (1890a) Storm petrel in summer, *Naturalist* 15, 48.
- MacPherson, H.A. (1890b) The dotterel in Yorkshire, *Naturalist* 15, 95-96.
- MacPherson, H.A. (1891) Some notes on the white wagtail, *Naturalist* 15, 211-212.
- MacPherson, H.A. (1893) The dotterel (*Eurydromias morinellus*) in Yorkshire, *Naturalist* 18, 129.
- Mathew, M.A. (1894) *The Birds of Pembrokeshire and its Islands*, London, R.H. Porter.
- Morris, B.R. (1855) *British Game Birds and Wildfowl*, London, Groombridge and Sons.

- Morris, F.O. (1851-1865a) *A History of British Birds, Volume 1*, London, Groombridge and Sons.
- Morris, F.O. (1851-1865b) *A History of British Birds, Volume 2*, London, Groombridge and Sons.
- Morris, F.O. (1851-1865c) *A History of British Birds, Volume 3*, London, Groombridge and Sons.
- Morris, F.O. (1851-1865d) *A History of British Birds, Volume 5*, London, Groombridge and Sons.
- Morris, F.O. (1851-1865e) *A History of British Birds, Volume 6*, London, Groombridge and Sons.
- Morris, F.O. (1853a) *A Natural History of the Nests and Eggs of British Birds, Volume 1*, London, Bell and Daldy.
- Morris, F.O. (1853b) *A Natural History of the Nests and Eggs of British Birds, Volume 2*, London, Bell and Daldy.
- Mullens, W.H., Kirke Swann, H. and Jourdain, F.C.R. (1920) *A Geographical Bibliography of British Ornithology*, London, Witherby & Co.
- Nelson, T. H. (1907) *The Birds of Yorkshire, Volume 2*, London. A. Brown and Sons.
- Newman, E. (1851) Notices of new books - *The Naturalist* edited by B.R. Morris, *Zoologist*, 9, 3086-3088.
- Newman, E. (1861) Collected observations on the nests and eggs of British birds, *Zoologist*, 19, 7474-7503.
- Pearson, H.J. (1904) *Three Summers Among the Birds of Russian Lapland*, London, R.H. Porter.
- Poynting, F. (1895-6) *Eggs of the British Birds with an Account of Their breeding Habits, Limicolae*, London, R.H. Porter.
- Ralfe, P.G. (1905) *The Birds of the Isle of Man*, Edinburgh, David Douglas.
- Salmon, J.D. (1836) Dates of arrival of 29 migratory birds in the neighbourhood of Thetford, Norfolk, *The Magazine of Natural History* 9, 520-528.
- Saunders, H. (1889) *An Illustrated Manual of British Birds*, London, Gurney and Jackson.
- Seebohm, H. (1885) *A History of British Birds with Coloured Illustrations of Their Eggs, Volume 3*, London, R.H. Porter.
- Sherborn, C.D. (1902) *Index Animalium, Section 2, 1801-1850*, Cambridge, Cambridge University Press.
- Smith, J.A. (1874-78) Dr Smith's ornithological notes, *Proceedings of the Royal Society of Edinburgh* 4, 114-116.
- Stevenson, H. (1866) *The Birds of Norfolk, Volume 1*, London, John Van Voorst.
- Stevenson, H. (1870) *The Birds of Norfolk, Volume 2*, London, John Van Voorst.
- Stevenson, H. (1890) *The Birds of Norfolk, Volume 3*, London, John Van Voorst.
- Sharpe, R.B. (1896) *A Handbook of the Birds of Great Britain, Volume 3*, London, Edward Lloyd.
- Thompson, W. (1850) *The Natural History of Ireland, Volume 2, Birds*, London, Reeve, Bentham and Reeve.
- Thompson, W. (1851) *The Natural History of Ireland, Volume 3, Birds*, London, Reeve, Bentham and Reeve.
- Thorpe, D.L. and Hope, L.E. (1909) Natural History record bureau, the Museum Carlisle, *Zoologist, Series 4*, 13, 187-194.

- Thorpe, D.L. and Hope, L.E. (1910) Natural History record bureau, the Museum Carlisle, *Zoologist, Series 4*, 14, 183-191.
- Watson, J. (1888) The ornithology of Skiddaw, Sca Fell and Helvellyn, *Naturalist* 13, 161-169.
- Williams, R.B. (2014) The social history of ornithology - inscriptions in copies of Robert Dunn's ornithologist's guide, *Naturalist* 139, 143-159.
- Witherby, H.F. (1924) *A Practical Handbook of British Birds, Volume 2*, London, H.F. and G. Witherby.
- Wood, N. (1886) *British Song Birds*, London, John W. Parker.
- Wolley, J. (edited by A. Newron) (1905-1907) *Ootheca Wolleyana: an Illustrated Catalogue of the Collection of Birds Eggs, Volume 2*, London, R.H. Porter.
- Wolley, J. (edited by A. Newron) (1864) *Ootheca Wolleyana: an Illustrated Catalogue of the Collection of Birds Eggs, Volume 1*, London, R.H. Porter.
- Yarrell, W. (1839) *A History of British Birds, Volume 1*, London, John Van Voorst.
- Yarrell, W. (1843a) *A History of British Birds, Volume 2*, London, John Van Voorst.
- Yarrell, W. (1843b) *A History of British Birds, Volume 3*, London, John Van Voorst.
- Yarrell, W. (1855) *A History of British Birds, Supplementary Volume*, London John Van Voorst.



Deformed beak of a rook illustrated in Yarrell's *History of British Birds* - from a specimen sent to him by Thomas Heysham

Citations of Heysham's Mammal Records

Current species name	Recorded scientific name	Recorded common name	Reference	Page
Bats				
<i>Barbastella barbastellus</i>	<i>Barbastellus daubentonii</i>	Barbastelle	MacPherson & Duckworth 1886	45
<i>Barbastella barbastellus</i>	<i>Barbastellus</i>	Barbastelle	MacPherson 1889	124
<i>Barbastella barbastellus</i>	<i>Barbastellus daubentonii</i>	Barbastelle	Wilson 1910	214
<i>Myotis daubentonii</i>	<i>Vespertilio daubentonii</i>	Daubenton's bat	MacPherson & Duckworth 1886	45
<i>Myotis mystacinus</i>	<i>Vespertilio mystacinus</i>	Whiskered bat	MacPherson & Duckworth 1886	45
<i>Rhinolophus ferrumequinum</i>	Not given	Greater horse-shoe bat	MacPherson 1886	124
<i>Rhinolophus ferrumequinum</i>	Not given	Greater horse-shoe bat	MacPherson 1889	337

References

MacPherson, H.A. (1886) The habits of the greater horse-shoe bat, *Naturalist* 11, 337-339.

MacPherson, H.A. (1889) The habits of the greater horse-shoe bat, *Naturalist* 14, 124.

MacPherson, H.A. and Duckworth, W. (1886) Zoological Records for Cumberland 1886, *Transactions of the Cumberland Association for the Advancement of Literature and Science*, 10-12, 1-45.

Wilson, E. A. (1910) *A History of British Mammals, Volume 1*, Bats, London, Gurney and Jackson.

Citations of Heysham's Fish Records

Current species name	Recorded scientific name	Recorded common name	Reference	Page
<i>Alosa alosa</i>	<i>Alausa vulgaris</i>	Alice shad	Yarrell 1859	130
<i>Alosa fallax</i>	<i>Alosa finta</i>	Twate shad	Yarrell 1859	130
<i>Barbatula barbatula</i>	<i>Cobitis barbatula</i>	Bearded loach	Anon 1891	34
<i>Osmerus eperlanus</i>	<i>Osmerus eperlanus</i>	Sparling [smelt]	Anon 1891	34
<i>Phycis phycis</i>	<i>Phycis forcatus</i>	Great forked hake	Hamilton 1843	216
<i>Phycis phycis</i>	<i>Phycis forcatus</i>	Great forked hake	Jardine 1833	216
<i>Phycis phycis</i>	<i>Phycis furcatus</i>	Great forked beard	Yarrell 1859	595
<i>Salmo salar</i>	Not given	Parr	Parnell 1838	302
<i>Sarda sarda</i>	<i>Scomber pelamis</i>	Bonito	Couch 1863	98
<i>Tinca tinca</i>	<i>Tinca vulgaris</i>	Tench	Yarrell 1859	390

References

- Anon T.C. (1891) Heysham fish records - food for greenshank, *Naturalist* 16, 34.
- Couch, J. (1863) *A History of the Fishes of the British Islands, Volume 2*, London, Groombridge and Sons.
- Hamilton, R. (1843) *A History of British Fishes, Volume 2*, London, W.H. Allan.
- Jardine, W. (1833) *The Naturalist's Library, Volume 37, Ichthyology, British Fishes, Part 2*, Edinburgh, W.H. Lizars.
- Parnell, R. (1838) Prize essay on the economical history of the fishes, marine, fluviatile and lacustrine of the river district of the Firth of Forth, *Memoirs of the Warnerian Natural History Society* 8, 161-520.
- Yarrell, W. (1859) *A History of British Fishes, Third Edition, Volume 1*, London John Van Voorst. (Pagination differs in the 1836 and 1842 editions).

Citations of Heysham's botanical records

Current species name	Recorded scientific name	Recorded common name	Reference	Page
Lichens				
<i>Buellia stellulata</i>	<i>Lecidea stellulata</i>	Not given	Leighton 1872	304
<i>Platismatia glauca</i>	<i>Cetraria glaucum</i>	Not given	Leighton 1872	102-3
Ferns				
<i>Asplenium ceterach</i>	<i>Ceterach officinalum</i>	Scaly spleenwort or rustyback	Newman 1844	294
<i>Asplenium marinum</i>	<i>Asplenium marinum</i>	Spleenwort	Newman 1844	275
<i>Asplenium septentrionale</i>	<i>Asplenium septentrionale</i>	Forked spleenwort,	Newman 1844	270
<i>Gymnocarpium dryopteris</i>	<i>Polypodium dryopteris</i>	Oak fern	Newman 1844	124
<i>Hymenophyllum wilsoni</i>	<i>Hymenophyllum wilsoni</i>	Not given	MacPherson & Ferguson 1892	xxix
<i>Phegopteris connectilis</i>	<i>Polypodium phegopteris</i>	Beech fern	Newman 1844	117
Flowering plants				
<i>Carex filiformis</i>	<i>Carex filiformis</i>	Slender leaved sedge	Hodgson 1898	334
<i>Crithmum maritimum</i>	<i>Crithmum maritimum</i>	Samphire	Hodgson 1898	146
<i>Limonium humile</i>	<i>Limonium humile</i> (= <i>Statice bahuensis</i>)	Sea lavender	Salmon 1905	59
<i>Limonium humile</i>	<i>Statice bahusiensis</i>	Sea lavender	Watson 1873	326
<i>Oenanthe lachenalii</i>	<i>Oenanthe lachenalii</i>	Parsley water-dropwort	Watson 1873	189
<i>Papaver cambricum</i>	<i>Mecanopsis cambricum</i>	Welsh poppy	Curtis 1824-39	plate 743

<i>Trocdaris verticillata</i>	<i>Carum verticillatum</i>	Whorled caraway	Curtis 1824-39	plate 680
<i>Trocdaris verticillata</i>	<i>Carum verticillatum</i>	Whorled caraway	Hodgson 1899	291
<i>Trocdaris verticillata</i>	<i>Carum verticillatum</i>	Whorl-leaved meadow parsnip	Hope 1915	188, 241
<i>Trocdaris verticillata</i>	<i>Carum verticillatum</i>	Whorled caraway	Watson 1873	191
<i>Trocdaris verticillata</i>	<i>Carum verticillatum</i>	Whorl-leaved meadow parsnip	Hodgson 1898	141
<i>Utricularia minor</i>	<i>Utricularia minor</i>	Little bladderwort	Hodgson 1898	239
<i>Utricularia vulgaris</i>	<i>Utricularia vulgaris</i>	Common bladderwort	Hodgson 1888-89	61
<i>Vicia orobus</i>	<i>Vicia orobus</i>	Wood bitter vetch	Watson 1873	129
<i>Viola odorata</i>	<i>Viola odorata</i>	Sweet violet	Hodgson 1898	43

References

Curtis J. (1824-39) *British Entomology*, London, J. Curtis.

Hodgson, W. (1888-89) The botany of the Solway shore, parts 2 and 3, *Transactions of the Cumberland Association for the Advancement of Literature and Science* 14, 47-92.

Hodgson, W. (1898) *Flora of Cumberland*, Carlisle, W. Meals and Co.

Hodgson, W. (1899) Interesting botanical finds in Cumberland, *Naturalist* 24, 291-292.

Hope, L.E. (1915) A Cumberland nature reserve, *Naturalist* 40, 187-191 & 238-243.

Leighton, W.A. (1872) *The Lichen-Flora of Great Britain, Ireland and the Channel Islands*, Shrewsbury, Leighton.

MacPherson, H.A. and Ferguson, R.S. (1892) *A Vertebrate Fauna of Lakeland, Including Cumberland, Westmorland with Lancashire North of the Sands*, Edinburgh, David Douglas.

Newman, E. (1844) *A History of British Ferns and Allied Plants*, London, John Van Voorst.

Salmon, C.E. (1905) Note on *Limonium*, *Journal of Botany, British and Foreign*, 43, 54-59.

Watson, H.C. (1873) *Topographical Botany, Volume 1*, London, Bernard Quaritch. (Lists T.C. Heysham among his correspondents on p. 577).

Donation of specimens to The Botanical Society of London

Anon (1849) Botanical information, Botanical Society of London, donation by Mr. T.C. Heysham. *Hooker's Journal of Botany and Kew Garden Miscellany* 1, 320.

Anon (1849) Botanical Society of London, donation by Mr. T.C. Heysham, *The Phytologist* 3, 669.

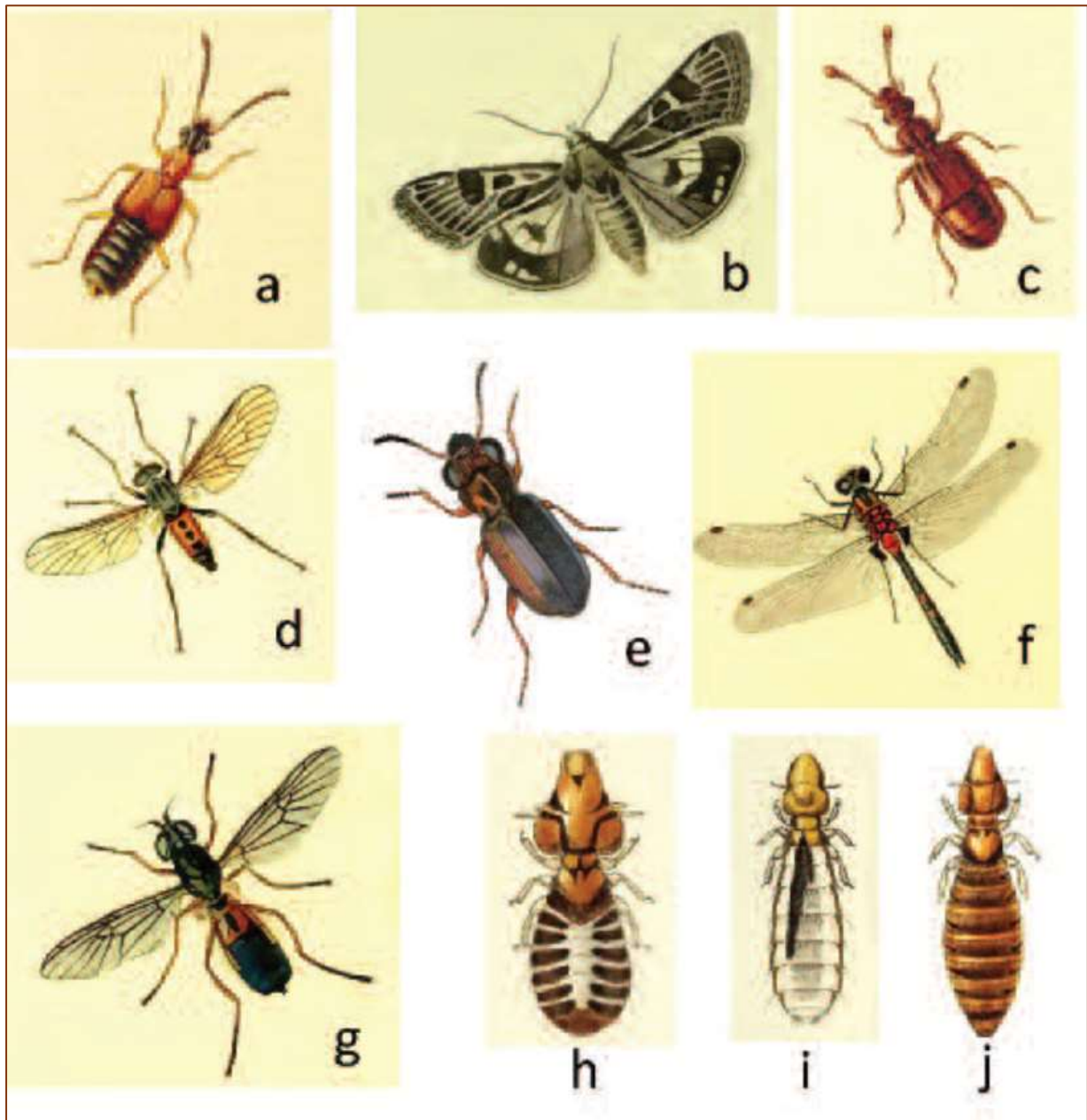
Heysham's work on Insects

See also below for separate extensive lists of species included in Curtis's and Stephenson's books

Later references that merely repeat Heysham's records and are thus excluded from the following list include:

- Day, F. H. (1901) Coleoptera and Lepidoptera of Cumberland, In Wilson, J. (1901) *The Victoria County History of Cumberland*, Volume 1, London, Archibold Constable, 106-134.
- Day, F. H. (1909) The Coleoptera of Cumberland, Part 1, *Transactions of the Carlisle Natural History Society*, 1, 122-150.
- Day, F. H. (1912) The Coleoptera of Cumberland, Part 2, *Transactions of the Carlisle Natural History Society*, 2, 201-256.
- Day, F. H. (1923) The Coleoptera of Cumberland, Part 3, *Transactions of the Carlisle Natural History Society*, 3,70-105.
- Routledge, G.B. (1909) The Butterflies of Cumberland, Part 1, *Transactions of the Carlisle Natural History Society*, 1, 198-223.
- Routledge, G.B. (1912) The Lepidoptera of Cumberland, Part 2, *Transactions of the Carlisle Natural History Society*, 2, 94-183.
- Routledge, G.B. (1923) The Lepidoptera of Cumberland, Part 3, *Transactions of the Carlisle Natural History Society*, 3, 40-69.
- Routledge, G.B. (1928) The Lepidoptera of Cumberland, Part 4, *Transactions of the Carlisle Natural History Society*,4, 23-65.
- Read, R.W.J. (1921) Checklist of Cumbrian Coleoptera, including VC 69 & VC 70, *Cumbria Biodiversity Data Centre Occasional Publication No.6*, Carlisle.
- Wilson, J. (1901) *The Victoria History of the Counties of England, Cumberland*, Archibald Constable & Co., London.

The following list includes species that were sold at the auction of Heysham's specimens and have appeared in subsequent publications, plus specimens sent to by Heysham to Stephens for his collection and inclusion in his publications. In addition, Dobson and Hancock (2008), note without naming species, several Heysham specimens in the historic collection of Thomas George Bishop, now in the first author's collection. Similarly, Stephens (1839) repeats many of Heysham's locality records without referring to Heysham by name.



Heysham specimens featured in the published work of John Curtis (a-g) and Henry Denny (h-j).

- a. the staphylinid beetle *Lesteva leachii* sp.n. (now *Deleaster dichrous*).
- b. the rare, marbled wormwood moth *Heliothis* (now *Protoschinia*) *scutosa*.
- c. the beetle *Bryaxis* (now *Trichonyx*) *sulcicollis*, the Carlisle pselaphus.
- d. the snipefly *Rhagio heyshami* sp.n. (now *Rhagio notatus*).
- e. the carabid beetle *Notiophilus rufipes* sp.n.
- f. the dragonfly *Libellula* (now *Leucorrhinia*) *rubicunda*.
- g. the stratiomyiid fly *Sargus reaumuri* (now *Sargus bipunctatus*).
- h. the bird louse *Docophoris merguli* (now *Austromenopon nigropleurum*) from little auk.
- i. the bird louse *Nirmus* (now *Brueelia*) *cyclothorax* from brambling.
- j. the bird louse *Nirmus* (now *Carduiceps*) *cingulatus* from black-tailed godwit.

Bird lice (Pthiraptera) collected by Heysham and described by Denny
(1842) in his *Monographia Anoplurum Britanniae*.

Current species name	Recorded species name	Host	Current scientific name of host	Page/Plate
<i>Austromenopon nigropleurum</i>	<i>Docophoris merguli</i>	Little auk	<i>Mergulus alle</i>	72/ Pl. 3,7
<i>Docophorus celidoxus</i>	<i>Docophorus celidoxus</i>	Guillemot	<i>Uria aalgae</i>	77
<i>Docophorus celidoxus</i>	<i>Docophorus celidoxus</i>	Puffin	<i>Fratercula arctica</i>	77
<i>Craspedonirmus colymbinus</i>	<i>Docophorus colymbinus</i>	Red-throated diver	<i>Gavia stellata</i>	80
<i>Craspedonirmus colymbinus</i>	<i>Docophorus colymbinus</i>	Black-throated diver	<i>Gavia arctica</i>	80
<i>Docophorus fuscicollis</i>	<i>Docophorus fuscicollis</i>	Eurasian Curlew	<i>Numenius arquata</i>	98
<i>Docophorus icterodes</i>	<i>Docophorus icterodes</i>	unnamed duck		102
<i>Saemundssonina</i> (<i>Saemundssonina</i>) <i>lari</i>	<i>Docophorus lari</i>	Icelandic gull	<i>Larus islandicus</i>	89
<i>Saemundssonina</i> (<i>Saemundssonina</i>) <i>lari</i>	<i>Docophorus lari</i>	Common gull	<i>Larus canus</i>	89
<i>Saemundssonina</i> (<i>Saemundssonina</i>) <i>lari</i>	<i>Docophorus lari</i>	Black-legged kittiwake	<i>Larus tridactylus</i>	89
<i>Docophorus platystomus</i>	<i>Docophorus platystomus</i>	Common buzzard	<i>Buteo buteo</i>	108
<i>Docophorus testudinarius</i>	<i>Docophorus testudinarius</i>	Great grey shrike	<i>Lanius excubitor</i>	96
<i>Upupicola upupae</i>	<i>Docophorus upupae</i>	Eurasian hoopoe	<i>Upupa epops</i>	92
<i>Carduiceps cingulatus</i>	<i>Nirmus cingulatus</i>	Black-tailed godwit	<i>Limosa limosa</i>	146/ Pl. 11,3
<i>Brueelia cyclothorax</i>	<i>Nirmus cyclothorax</i>	Brambling	<i>Fringilla montifringilla</i>	150/ Pl. 11,6
<i>Nirmus obscurus?</i>	<i>Nirmus obscurus?</i>	Kentish plover	<i>Charadrius alexandrinus</i>	147
<i>Nirmus phaepi</i>	<i>Nirmus phaepi</i>	Curlew sandpiper	<i>Arenaria interpres</i>	144

<i>Nirmus strepsilaris</i>	<i>Nirmus strepsilaris</i>	Turnstone	<i>Arenaria interpres</i>	135
<i>Lipeurus jejunus</i>	<i>Lipeurus jejunus</i>	Taiga bean goose	<i>Anser fabalis</i>	177
<i>Lipeurus pelagicus</i>	<i>Lipeurus pelagicus</i>	Leach's storm petrel	<i>Oceanodroma leucorhoa</i>	173
<i>Lipeurus squalidus</i>	<i>Lipeurus squalidus</i>	Scaup	<i>Aythya marila</i>	176
<i>Lipeurus squalidus</i>	<i>Lipeurus squalidus</i>	Common scoter	<i>Melanitta nigra</i>	176
<i>Ornithobius gonoiplurus</i>	<i>Ornithobius gonoiplurus</i>	Goosander	<i>Mergus merganser</i>	184

Reference

Denny, H. (1842) *Monographia Anoplurum Britanniae*, London, Henry G. Bohn.

Heysham's insects in Curtis's *British Entomology*

Curtis's *British Entomology* was originally issued between 1824 and 1839 as 192 monthly parts comprising 770 full-page plates. Later editions were compiled into, usually, eight bound volumes, which often contain a mixture of original and revised plates (Sherborn and Durrant 1911). Hence it is easiest to refer to the individual species' plates, rather than page numbers, as these remain consistent across issues. Watson and Dallwitz (2019) provided an updated list of Curtis's insect names.

Curtis, J. (1824-1839) *British Entomology*, J. Curtis, London.

Sherborn, C.D. & Durrant, J.H. (1911) Note on John Curtis' *British Entomology*,
Entomologist's Monthly Magazine 47, 84-85.

Watson, L. & Dallwitz, M.J. (2019) Updated insect names for John Curtis's *British Entomology*. <https://www.delta-intkey.com/britin/dip/curtisid.htm>

Current species name	Curtis name	Plate
Odonata		
<i>Leucorrhinia rubicunda</i>	<i>Libellula rubicunda</i>	712
Lepidoptera		
<i>Acleris emargana</i>	<i>Teras excavana</i>	699
<i>Anarsia spartiella</i>	<i>Aplota robertsonella</i>	655
<i>Diurnea lipsiella</i>	<i>Diurnea novembris</i>	743
<i>Erannis defoliaria</i>	<i>Hybernia defoliaria</i>	703
<i>Noctua comes</i>	<i>Triphaena conseqa</i>	348
<i>Protoschinia scutosa</i>	<i>Heliothis scutosa</i>	595
<i>Stilbia anomala</i>	<i>Stilbia anomalata</i>	631
<i>Thera cognata</i>	<i>Thera coniferata</i>	519
Diptera		
<i>Rhagio notatus</i>	<i>Rhagio heyshami</i>	705
<i>Sargus bipunctatus</i>	<i>Sargus reaumuri</i>	305
Hymenoptera		
<i>Chelonus wesmaelii</i>	<i>Chelonus wesmaelii</i>	672
<i>Crossocerus dimidiatus</i>	<i>Crabro subpunctatus</i>	680

Coleoptera		
<i>Aclypea opaca</i>	<i>Silpha opaca</i>	742
<i>Attelabus nitens</i>	<i>Attelabus curculionoides</i>	710
<i>Blethisa multipunctata</i>	<i>Blethisa multipunctata</i>	326
<i>Bryaxis sulcicollis</i>	<i>Bryaxis sulcicollis</i>	315
<i>Deleaster dichrous</i>	<i>Lesteva leachii</i>	303
<i>Dyschirius nitidus</i>	<i>Dyschirius inermis</i>	354
<i>Notiophilus rufipes</i>	<i>Notiophilus rufipes</i>	254
<i>Rhynchites similis</i>	<i>Rhynchites similis</i>	642
<i>Syntomus obscuroguttatus</i>	<i>Dromius spilotus</i>	231
<i>Tachys micros</i>	<i>Blemus micros</i>	310
<i>Tenuicomus tibialis</i>	<i>Anthicus tibialis</i>	714

Heysham's specimens and records included in Stephens' *Illustrations of British Entomology* (1828-1846)

Stephens issued this work as two parallel series, the Haustellata (volumes 1-4), which covered the ‘sucking’ insects, primarily adult Lepidoptera, and the Mandibulata (volumes 1-7), the chewing insects, primarily the Coleoptera. He failed to recognise the inconsistency for the Lepidoptera in which the larvae are predominantly leaf chewers. There are no Heysham records in Stephens’ *Supplement* issued in 1846. For ease of presentation the Haustellata and the Mandibulata volumes are grouped separately.

Reference

Stephens, J.F. (1828-1846) *Illustrations of British Entomology* (11 volumes), J.F. Stephens, London.

Title	Date	Page	Stephens’ species name		Current species name
Haustellata 1	1828	98	<i>Thymele tages</i>	Lepidoptera	<i>Erynnis tages</i>
		112	<i>Smerinthus ocellatus</i>	Lepidoptera	<i>Smerinthus ocellata</i>
		112	<i>Smerinthus populi</i>	Lepidoptera	<i>Laothoe populi</i>
		148	<i>Vanessa io</i>	Lepidoptera	<i>Aglais io</i>
Haustellata 2	1829	5	<i>Hepialus hectius</i>	Lepidoptera	<i>Phymatopus hecta</i>
		5	<i>Hepialus lupulinis</i>	Lepidoptera	<i>Korscheltellus lupulina</i>
		6	<i>Hepialus humuli</i>	Lepidoptera	<i>Hepialus humuli</i>
		9	<i>Cossus ligniperda</i>	Lepidoptera	<i>Cossus cossus</i>
		12	<i>Pygaera bucephala</i>	Lepidoptera	<i>Phalera bucephala</i>
		19	<i>Cerura vinula</i>	Lepidoptera	<i>Cerura vinula</i>

		25	<i>Leiocampa dictaea</i>	Lepidoptera	<i>Pheosia tremula</i>
		38	<i>Lasiocampa rubi</i>	Lepidoptera	<i>Macrothylacia rubi</i>
		49	<i>Clisiocampa nuestris</i>	Lepidoptera	<i>Malacosoma neustria</i>
		52	<i>Odenstis potatoria</i>	Lepidoptera	<i>Euthrix potatoria</i>
		59	<i>Dasychira podibunda</i>	Lepidoptera	<i>Calliteara pudibunda</i>
		64	<i>Leucoma salicis</i>	Lepidoptera	<i>Leucoma salicis</i>
		68	<i>Euthemonia russula</i>	Lepidoptera	<i>Diacrisia sannio</i>
		69	<i>Arctia caja</i>	Lepidoptera	<i>Arctia caja</i>
		74	<i>Phragmatoria fuliginosa</i>	Lepidoptera	<i>Phragmatobia fuliginosa</i>
		77	<i>Spilosoma lubricipeda</i>	Lepidoptera	<i>Spilosoma lubricipeda</i>
		90	<i>Callimorpha jacobaeae</i>	Lepidoptera	<i>Tyria jacobaeae</i>
		98	<i>Gnothria rubricollis</i>	Lepidoptera	<i>Atolmis rubricollis</i>
		102	<i>Triphaena orbona</i>	Lepidoptera	<i>Noctua orbona</i>
		103	<i>Triphaena pronuba</i>	Lepidoptera	<i>Noctua pronuba</i>
		111	<i>Charaeas graminis</i>	Lepidoptera	<i>Cerapteryx graminis</i>
		133	<i>Graphiphora triangulum</i>	Lepidoptera	<i>Xestia triangulum</i>
		163	<i>Amphipyra pyramidea</i>	Lepidoptera	<i>Amphipyra pyramidea</i>
Haustellata 3	1829	27	<i>Polia bimaculosa</i>	Lepidoptera	<i>Polia nebulosa</i>
		50	<i>Calyptra libatrix</i>	Lepidoptera	<i>Scoliopteryx libatrix</i>
		76	<i>Leuconia pallens</i>	Lepidoptera	<i>Mythimna pallens</i>
		84	<i>Phlogophora meticulosa</i>	Lepidoptera	<i>Phlogophora meticulosa</i>
		103	<i>Plusia gamma</i>	Lepidoptera	<i>Autographa gamma</i>
		105	<i>Plusia chrysitis</i>	Lepidoptera	<i>Diachrysia chrysitis</i>
		121	<i>Phytometra aenea</i>	Lepidoptera	<i>Phytometra viridaria</i>
		133	<i>Catocala elocata</i>	Lepidoptera	<i>Catocala elocata</i>
		139	<i>Euclidia glyphica</i>	Lepidoptera	<i>Euclidia glyphica</i>
		140	<i>Euclidia triquetra</i>	Lepidoptera	<i>Euclidia triquetra</i>
		148	<i>Fidonia atomaria</i>	Lepidoptera	<i>Ematurga atomaria</i>
		155	<i>Hibernia defoliaria</i>	Lepidoptera	<i>Phalaena defoliaria</i>

		159	<i>Biston betularia</i>	Lepidoptera	<i>Biston betularia</i>
		161	<i>Himera pennaria</i>	Lepidoptera	<i>Colotois pennaria</i>
		165	<i>Geometra tiliaria</i>	Lepidoptera	<i>Phalaena tiliaria</i>
		168	<i>Geometra illunaria</i>	Lepidoptera	<i>Selenia dentaria</i>
		169	<i>Geometra lunaria</i>	Lepidoptera	<i>Selenia lunularia</i>
		174	<i>Rumia crataegata</i>	Lepidoptera	<i>Opisthograptis luteolata</i>
		176	<i>Campaea margaritata</i>	Lepidoptera	<i>Campaea margaritaria</i>
		177	<i>Ellopiia fasciaria</i>	Lepidoptera	<i>Hylaea fasciaria</i>
		178	<i>Hipparchus papilionarius</i>	Lepidoptera	<i>Geometra papilionaria</i>
		182	<i>Cleora lichenaria</i>	Lepidoptera	<i>Cleorodes lichenaria</i>
		183	<i>Alcis repandata</i>	Lepidoptera	<i>Alcis repandata</i>
		193	<i>Boarmia puntularia</i>	Lepidoptera	<i>Aethalura punctulata</i>
		194	<i>Halia vauria</i>	Lepidoptera	<i>Macaria wauaria</i>
		195	<i>Numeria pulveraria</i>	Lepidoptera	<i>Plagodis pulveraria</i>
		196	<i>Cabera pusaria</i>	Lepidoptera	<i>Cabera pusaria</i>
		197	<i>Cabera exanthemata</i>	Lepidoptera	<i>Cabera exanthemata</i>
		199	<i>Ephyra omicronaria</i>	Lepidoptera	<i>Cyclophora annularia</i>
		204	<i>Epione apiciaria</i>	Lepidoptera	<i>Epione repandaria</i>
		204	<i>Epione vespertaria</i>	Lepidoptera	<i>Epione vespertaria</i>
		210	<i>Phasiane plumbaria</i>	Lepidoptera	<i>Scotopteryx luridata</i>
		212	<i>Scotopteryx luridata</i>	Lepidoptera	<i>Scotopteryx luridata</i>
		215	<i>Cidaria munitata</i>	Lepidoptera	<i>Xanthorhoe decoloraria</i>
		215	<i>Cidaria unidentata</i>	Lepidoptera	<i>Xanthorhoe ferrugata</i>
		217	<i>Cidaria ferrugata</i>	Lepidoptera	<i>Xanthorhoe ferrugata</i>
		218	<i>Cidaria miaria</i>	Lepidoptera	<i>Chloroclysta miata</i>
		219	<i>Cidaria montanata</i>	Lepidoptera	<i>Xanthorhoe montanata</i>
		220	<i>Cidaria fluctuata</i>	Lepidoptera	<i>Xanthorhoe fluctuata</i>
		222	<i>Harpalyce ocellata</i>	Lepidoptera	<i>Cosmorhoe ocellata</i>
		224	<i>Harpalyce subtristata</i>	Lepidoptera	<i>Epirrhoe alternata</i>

		226	<i>Harpolyce biangulata</i>	Lepidoptera	<i>Euphyia biangulata</i>
		227	<i>Harpolyce corylata</i>	Lepidoptera	<i>Electrophaes corylata</i>
		229	<i>Polyphasia marmorata</i>	Lepidoptera	<i>Dysstroma truncata</i>
		233	<i>Steganolophia prunata</i>	Lepidoptera	<i>Eulithis prunata</i>
		234	<i>Lampropteryx suffumata</i>	Lepidoptera	<i>Lampropteryx suffumata</i>
		238	<i>Anticlea derivata</i>	Lepidoptera	<i>Anticlea derivata</i>
		240	<i>Electra populata</i>	Lepidoptera	<i>Eulithis populata</i>
		241	<i>Electra achatinata</i>	Lepidoptera	<i>Eulithis testata</i>
		242	<i>Electa pyraliata</i>	Lepidoptera	<i>Eulithis pyraliata</i>
		244	<i>Anaitis plagiata</i>	Lepidoptera	<i>Aplocera plagiata</i>
		246	<i>Abraxas ulmata</i>	Lepidoptera	<i>Abraxas sylvata</i>
		253	<i>Euthalia miata</i>	Lepidoptera	<i>Chloroclysta miata</i>
		254	<i>Euthalia psittacata</i>	Lepidoptera	<i>Chloroclysta siterata</i>
		259	<i>Lozogramma petraria</i>	Lepidoptera	<i>Petrophora chlorosata</i>
		263	<i>Triphosa dubiata</i>	Lepidoptera	<i>Triphosa dubitata</i>
		264	<i>Camptogramma bilineata</i>	Lepidoptera	<i>Camptogramma bilineata</i>
		266	<i>Charissa obscuraria</i>	Lepidoptera	<i>Charissa obscurata</i>
		270	<i>Chesias spartiata</i>	Lepidoptera	<i>Chesias legatella</i>
		272	<i>Thera fulvata</i>	Lepidoptera	<i>Thera obeliscata</i>
		275	<i>Cheimatobia rupicapraria</i>	Lepidoptera	<i>Theria rupicapraria</i>
		285	<i>Eupithecia vulgata</i>	Lepidoptera	<i>Eupithecia vulgata</i>
		286	<i>Eupithecia elongata</i>	Lepidoptera	<i>Eupithecia absinthiata</i>
		293	<i>Minoa chaerophyllata</i>	Lepidoptera	<i>Odezia atrata</i>
		299	<i>Emmelesia albulata</i>	Lepidoptera	<i>Perizoma albulata</i>
		301	<i>Emmelesia sylvata</i>	Lepidoptera	<i>Hydrelia sylvata</i>
		303	<i>Strenia clathrata</i>	Lepidoptera	<i>Chiasmia clathrata</i>
		308	<i>Ptychopoda incanator</i>	Lepidoptera	<i>Scopula incanata</i>
		308	<i>Venilia immutata</i>	Lepidoptera	<i>Scopula immutata</i>
		316	<i>Chlorissa viridata</i>	Lepidoptera	<i>Chlorissa viridata</i>

		318	<i>Timandra variegata</i>	Lepidoptera	<i>Scopula incanata</i>
		320	<i>Macaria notata</i>	Lepidoptera	<i>Macaria notata</i>
		321	<i>Macaria liturata</i>	Lepidoptera	<i>Macaria liturata</i>
		324	<i>Euplexia lucipara</i>	Lepidoptera	<i>Euplexia lucipara</i>
		324	<i>Apamaea didyma</i>	Lepidoptera	<i>Mesapamea didyma</i>
		324	<i>Miana strigilis</i>	Lepidoptera	<i>Oligia strigilis</i>
		324	<i>Miana latuncula</i>	Lepidoptera	<i>Oligia latruncula</i>
		324	<i>Miana rufuncula</i>	Lepidoptera	<i>Mesoligia furuncula</i>
		324	<i>Scotophila porphyrea</i>	Lepidoptera	<i>Lycophotia porphyrea</i>
		324	<i>Achati piniperda</i>	Lepidoptera	<i>Panolis flammea</i>
		324	<i>Miselia aprilina</i>	Lepidoptera	<i>Dichonia aprilina</i>
		324	<i>Polia herbida</i>	Lepidoptera	<i>Anaplectoides prasina</i>
		325	<i>Acronocyta megacephala</i>	Lepidoptera	<i>Acronicta megacephala</i>
		325	<i>Acronocyta psi</i>	Lepidoptera	<i>Acronicta psi</i>
		325	<i>Acronocyta rumicis</i>	Lepidoptera	<i>Acronicta rumicis</i>
		325	<i>Thyatira batis</i>	Lepidoptera	<i>Thyatira batis</i>
		325	<i>Bombycia viminalis</i>	Lepidoptera	<i>Brachylomia viminalis</i>
		325	<i>Cosmia trapetzina</i>	Lepidoptera	<i>Cosmia trapezina</i>
		325	<i>Xanthia fulvago</i>	Lepidoptera	<i>Cirrhia icteritia</i> (doubtful species)
		326	<i>Gortyna micacea</i>	Lepidoptera	<i>Hydraecia micacea</i>
		326	<i>Leucania pudorina</i>	Lepidoptera	<i>Mythimna pudorina</i>
		326	<i>Plusia iota</i>	Lepidoptera	<i>Autographa jota</i>
		326	<i>Plusia festucae</i>	Lepidoptera	<i>Plusia festucae</i>
		326	<i>Anarta myrtilli</i>	Lepidoptera	<i>Anarta myrtilli</i>
		327	<i>Fidonia carbonaria</i>	Lepidoptera	<i>Macaria carbonaria</i>
		327	<i>Maesia favillacearia</i>	Lepidoptera	<i>Dyscia penulataria</i>
		327	<i>Phiglia pilosaria</i>	Lepidoptera	<i>Phigalia pilosaria</i>
		327	<i>Biston prodromarius</i>	Lepidoptera	<i>Biston strataria</i>
		327	<i>Geometra juliaris</i>	Lepidoptera	<i>Selenia dentaria</i>

		327	<i>Ourapteryx sambucaria</i>	Lepidoptera	<i>Ourapteryx sambucaria</i>
		327	<i>Cleora teneraria</i>	Lepidoptera	<i>Alcis jubata</i>
		328	<i>Boarmia crespuscularia</i>	Lepidoptera	<i>Ectropis crespuscularia</i>
		328	<i>Ephyra orbicularis</i>	Lepidoptera	<i>Cyclophora pendularia</i>
		328	<i>Aspilates respersaria</i>	Lepidoptera	<i>Odontognophos perspersata</i>
		328	<i>Cidaria didymata</i>	Lepidoptera	<i>Perizoma didymata</i>
		328	<i>Cidaria olivata</i>	Lepidoptera	<i>Colostygia olivata</i>
		328	<i>Polyphasia perfuscata</i>	Lepidoptera	<i>Dysstroma truncata</i>
		328	<i>Lampropteryx picata</i>	Lepidoptera	<i>Lampropteryx suffumata</i>
		328	<i>Lampropteryx badiata</i>	Lepidoptera	<i>Anticlea badiata</i>
		328	<i>Electra spinachiata</i>	Lepidoptera	<i>Eulithis pyraliata</i>
		328	<i>Euthalia impluviata</i>	Lepidoptera	<i>Hydriomena impluviata</i>
		328	<i>Lobophora sexalisata</i>	Lepidoptera	<i>Pterapherapteryx sexalisata</i>
		328	<i>Eupithecia rectangulata</i>	Lepidoptera	<i>Pasiphila rectangulata</i>
		328	<i>Eupithecia exiguata</i>	Lepidoptera	<i>Eupithecia exiguata</i>
		328	<i>Eupithecia minutata</i>	Lepidoptera	<i>Eupethecia absinthiata</i>
		328	<i>Eupithecia absinthiata</i>	Lepidoptera	<i>Eupethecia absinthiata</i>
		328	<i>Eupithecia elongata</i>	Lepidoptera	<i>Eupithecia pimpinellata</i>
		328	<i>Eupithecia pusillata</i>	Lepidoptera	<i>Eupithecia pusillata</i>
		328	<i>Eupithecia centaureata</i>	Lepidoptera	<i>Eupithecia centaureata</i>
		328	<i>Eupithecia venosata</i>	Lepidoptera	<i>Eupithecia venosata</i>
		328	<i>Emmelesia candidata</i>	Lepidoptera	<i>Asthena albulata</i>
Haustellata 4	1834		No Heysham records		
Mandibulata 1	1828	65	<i>Leistus rufescens</i>	Coleoptera	<i>Leistus terminatus</i>
		177	<i>Clivina fossor</i>	Coleoptera	<i>Clivina fossor</i>
		177	<i>Clivina collaris</i>	Coleoptera	<i>Clivina collaris</i>
		180	<i>Badister peltatus</i>	Coleoptera	<i>Badister peltatus</i>
		182	<i>Odontonyx rotundatus</i>	Coleoptera	<i>Olisthopus rotundatus</i>
		182	<i>Calathus crocopus</i>	Coleoptera	<i>Calathus erratus</i>

		182	<i>Calathus rufangulus</i>	Coleoptera	<i>Calathus ambiguus</i>
		182	<i>Platynus angusticollis</i>	Coleoptera	<i>Platynus assimilis</i>
		183	<i>Poecilus rufifemoratus</i>	Coleoptera	<i>Poecilus cupreus</i>
		183	<i>Oodes helopioides</i>	Coleoptera	<i>Oodes helopioides</i>
		183	<i>Blemus paludosus</i>	Coleoptera	<i>Trechus rubens</i>
Mandibulata 2	1829	22	<i>Lopha quadriguttata</i>	Coleoptera	<i>Bembidion quadriguttatum</i>
		34	<i>Elaphrus cupreus</i>	Coleoptera	<i>Elaphrus cupreus</i>
		178	<i>Leiodes armata</i>	Coleoptera	<i>Anisotoma humeralis</i>
		188	<i>Tachys immunis</i>	Coleoptera	<i>Bembidion obtusum</i>
		188	<i>Tachys obtusus</i>	Coleoptera	<i>Bembidion obtusum</i>
		188	<i>Philochthus aenus</i>	Coleoptera	<i>Bembidion (Philochthus) aeneum</i>
		188	<i>Philochthus subfenestratus</i>	Coleoptera	<i>Bembidion biguttatum</i>
		188	<i>Philochthus guttula</i>	Coleoptera	<i>Bembidion guttula</i>
		188	<i>Ocys melanocephalus</i>	Coleoptera	<i>Ocys harpaloides</i>
		188	<i>Peryphus femoralis (=femoratus)</i>	Coleoptera	<i>Bembidion femoratum</i>
		188	<i>Peryphus concinnus</i>	Coleoptera	<i>Bembidion femoratum</i>
		188	<i>Peryphus saxatilis</i>	Coleoptera	<i>Bembidion (Ocydromus) saxatile</i>
		189	<i>Peryphus albipes</i>	Coleoptera	<i>Sinechostictus ruficornis</i>
		189	<i>Peryphus rupestris</i>	Coleoptera	<i>Bembidion bruxellense</i>
		189	<i>Peryphus ustus?</i>	Coleoptera	<i>Bembidion lunatum</i>
		189	<i>Peryphus nitidulus</i>	Coleoptera	<i>Bembidion deletum</i>
		189	<i>Peryphus viridi-aeneus</i>	Coleoptera	<i>Ochthebius exsculptus</i>
		189	<i>Peryphus tibialis</i>	Coleoptera	<i>Bembidion tibiale</i>
		189	<i>Peryphus tibialis</i>	Coleoptera	<i>Bembidion tibiale</i>
		189	<i>Peryphus atro-coeruleus</i>	Coleoptera	<i>Bembidion atrocaeruleum</i>
		189	<i>Peryphus viridis</i>	Coleoptera	Heysham manuscript name
		189	<i>Lopha pulicaria</i>	Coleoptera	<i>Bembidion obtusum?</i>
		189	<i>Tachypus striatus</i>	Coleoptera	<i>Bembidion punctulatum</i>

		189	<i>Bembidium paludosum</i>	Coleoptera	<i>Trechus rubens</i>
		189	<i>Bembidium flavipes</i>	Coleoptera	<i>Amblystomus gagatinus</i>
		189	<i>Notiophilus aquaticus</i>	Coleoptera	<i>Notiophilus aquaticus</i>
		190	<i>Notiophilus rufipes</i>	Coleoptera	<i>Notiophilus rufipes</i>
		190	<i>Notiophilus quadripunctatus</i>	Coleoptera	<i>Notiophilus quadripunctatus</i>
		191	<i>Haliplus ferrugineus</i>	Coleoptera	<i>Haliplus fulvus</i>
		191	<i>Haliplus lineato-collis</i>	Coleoptera	<i>Haliplus lineatocollis</i>
		193	<i>Hydroporus granularis</i>	Coleoptera	<i>Graptodytes granularis</i>
		193	<i>Colymbetes guttatus</i>	Coleoptera	<i>Agabus guttatus</i>
		194	<i>Colymbetes striatus</i>	Coleoptera	<i>Colymbetes striatus</i>
		194	<i>Colymbetes chalconatus</i>	Coleoptera	<i>Ilybius chalconatus</i>
		195	<i>Dytiscus punctulatus</i>	Coleoptera	<i>Dytiscus semisulcatus</i>
		195	<i>Gyrinus villosus</i>	Coleoptera	<i>Orectochilus villosus</i>
		195	<i>Heterocerus marginatus</i>	Coleoptera	<i>Heterocerus marginatus</i>
		195	<i>Parnus prolifericornis</i>	Coleoptera	<i>Dryops luridus</i>
		196	<i>Helophorus fennicus</i>	Coleoptera	<i>Helophorus sibiricus</i>
		196	<i>Helophorus nubilus</i>	Coleoptera	<i>Helophorus nubilus</i>
		197	<i>Sphaeridium scarabaeoides</i>	Coleoptera	<i>Sphaeridium scarabaeoides</i>
		197	<i>Sphaeridium bipunctatum</i>	Coleoptera	<i>Sphaeridium bipunctatum</i>
Mandibulata 3	1830	13	<i>Choleva angustata</i>	Coleoptera	<i>Choleva angustata</i>
		18	<i>Necrophorus humator</i>	Coleoptera	<i>Nicrophorus humator</i>
		18	<i>Necrophorus vestigator</i>	Coleoptera	<i>Nicrophorus (Nicrophorus) vestigator</i>
		20	<i>Necrophorus mortuorum</i>	Coleoptera	<i>Nicrophorus vespilloides</i>
		21	<i>Necrodes littoralis</i>	Coleoptera	<i>Necrodes littoralis</i>
		23	<i>Oiceoptoma rugosa</i>	Coleoptera	<i>Oiceoptoma rugosa</i>
		26	<i>Silpha tristis</i>	Coleoptera	<i>Silpha tristis</i>
		26	<i>Silpha nigrata</i>	Coleoptera	<i>Silpha nigrata</i>
		136	<i>Byrrhus pilula</i>	Coleoptera	<i>Byrrhus pilula</i>
		137	<i>Byrrhus fasciatus</i>	Coleoptera	<i>Byrrhus fasciatus</i>

		138	<i>Byrrhus sericeus</i>	Coleoptera	<i>Byrrhus sericeus</i>
		142	<i>Onthophilus striatus</i>	Coleoptera	<i>Onthophilus striatus</i>
		145	<i>Hister unicolor</i>	Coleoptera	<i>Hister unicolor</i>
		145	<i>Hister cadaverinus</i>	Coleoptera	<i>Margarinotus brunneus</i>
		147	<i>Hister sinuatus</i>	Coleoptera	<i>Hister illigeri Duftschmid??</i>
		150	<i>Hister carbonarius</i>	Coleoptera	<i>Margarinotus carbonarius</i>
		150	<i>Hister kirbii</i>	Coleoptera	<i>Margarinotus brunneus</i>
		153	<i>Hister nitidulus</i>	Coleoptera	<i>Saprinus semistriatus</i>
		168	<i>Sinodendron cylindricum</i>	Coleoptera	<i>Sinodendron cylindricum</i>
		174	<i>Onthophagus nuchicornis</i>	Coleoptera	<i>Onthophagus nuchicornis</i>
		176	<i>Onthophagus nutans</i>	Coleoptera	<i>Onthophagus (Paleonthophagus) verticicornis</i>
		180	<i>Typhaeus vulgaris</i>	Coleoptera	<i>Typhaeus typhoeus</i>
		182	<i>Geotrupes vernalis</i>	Coleoptera	<i>Trypocopris vernalis</i>
		186	<i>Geotrupes stercorarius</i>	Coleoptera	<i>Geotrupes stercorarius</i>
		188	<i>Aphodius fossor</i>	Coleoptera	<i>Teuchestes fossor</i>
		188	<i>Aphodius subterraneus</i>	Coleoptera	<i>Eupleurus subterraneus</i>
		188	<i>Aphodius haemorrhoidalis</i>	Coleoptera	<i>Otophorus haemorrhoidalis</i>
		189	<i>Aphodius fimetarius</i>	Coleoptera	<i>Aphodius fimetarius</i>
		190	<i>Aphodius scybalarius</i>	Coleoptera	<i>Bodilopsis rufus</i>
		192	<i>Aphodius sordidus</i>	Coleoptera	<i>Bodilopsis sordidus</i>
		194	<i>Aphodius inquinatus</i>	Coleoptera	<i>Chilothorax distinctus</i>
		195	<i>Aphodius terrestris</i>	Coleoptera	<i>Agriolus ater</i>
		200	<i>Aphodius rufipes</i>	Coleoptera	<i>Acrossus rufipes</i>
		203	<i>Aphodius sphaelatus</i>	Coleoptera	<i>Melinopterus sphaelatus</i>
		220	<i>Serica brunnea</i>	Coleoptera	<i>Serica brunnea</i>
		222	<i>Phyllopertha horticola</i>	Coleoptera	<i>Phyllopertha horticola</i>
		230	<i>Trichius nobilis</i>	Coleoptera	<i>Ichnestoma cuspidata</i>
		248	<i>Cataphagus marginatus</i>	Coleoptera	<i>Dalopius marginatus</i>
		266	<i>Ctenicerus cupreus</i>	Coleoptera	<i>Protaetia cuprea</i>

		270	<i>Caloderus thoracicus</i>	Coleoptera	<i>Cardiophorus gramineus</i>
		276	<i>Anathrotus haemorrhoidalis</i>	Coleoptera	<i>Athous haemorrhoidalis</i>
		278	<i>Anathrotus longicollis</i>	Coleoptera	<i>Athous bicolor</i>
		279	<i>Campylus linearis</i>	Coleoptera	<i>Denticollis linearis</i>
		284	<i>Cyphon melanurus</i>	Coleoptera	<i>Stenurella melanura</i>
		286	<i>Cyphon griseus</i>	Coleoptera	<i>Contacyphon coarctatus</i>
		296	<i>Telephorus testaceus</i>	Coleoptera	<i>Rhagonycha nigriventris</i>
		297	<i>Telephorus pallidus</i>	Coleoptera	<i>Rhagonycha lignosa</i>
		298	<i>Telephorus melanurus</i>	Coleoptera	<i>Rhagonycha fulva</i>
		300	<i>Telephorus violaceus</i>	Coleoptera	<i>Ancistronycha tigurina</i>
		302	<i>Telephorus lividus</i>	Coleoptera	<i>Cantharis livida</i>
		312	<i>Malachius bipustulatus</i>	Coleoptera	<i>Malachius bipustulatus</i>
		313	<i>Melachius viridis</i>	Coleoptera	<i>Cordyleperus viridis</i>
		314	<i>Melachius fasciatus</i>	Coleoptera	<i>Anthocomus fasciatus</i>
		322	<i>Tillus elongatus</i>	Coleoptera	<i>Tillus elongatus</i>
		334	<i>Ptinus fur</i>	Coleoptera	<i>Ptinus fur</i>
		339	<i>Anobium castaneum</i>	Coleoptera	<i>Nicobium castaneum</i>
		340	<i>Anobium tesellatum</i>	Coleoptera	<i>Xestobium rufovillosum</i>
		344	<i>Cis boleti</i>	Coleoptera	<i>Cis boleti</i>
		360	<i>Hylesinus fraxini</i>	Coleoptera	<i>Hylesinus varius</i>
		366	<i>Ptomaphagus truncatus</i>	Coleoptera	<i>Ptomaphagus subvillosus</i>
		366	<i>Catops fornicatus</i>	Coleoptera	<i>Catops nigricans</i>
		366	<i>Necrophorus vespillo</i>	Coleoptera	<i>Nicrophorus vespillo</i>
		367	<i>Oiceoptoma thoracica</i>	Coleoptera	<i>Oiceoptoma thoracicum</i>
		367	<i>Silpha 4-punctata</i>	Coleoptera	<i>Silpha 4-punctata</i>
		368	<i>Silpha opaca</i>	Coleoptera	<i>Aclypea opaca</i>
		368	<i>Phosphuga atrata</i>	Coleoptera	<i>Silpha atrata</i>
		368	<i>Nitidula grisea</i>	Coleoptera	<i>Soronia grisea</i>
		368	<i>Nitidula depressa</i>	Coleoptera	<i>Eपुरaea aestiva</i>

		368	<i>Nitidula bipustulata</i>	Coleoptera	<i>Nitidula bipunctata</i>
		368	<i>Meligethes viridescens</i>	Coleoptera	<i>Brassicogethes viridescens</i>
		368	<i>Micropeplus porcatus</i>	Coleoptera	<i>Micropeplus porcatus</i>
		369	<i>Atomaria mesomelus</i>	Coleoptera	<i>Atomaria mesomela</i>
		369	<i>Cryptophagus serratus</i>	Coleoptera	<i>Henoticus serratus</i>
		370	<i>Cerlyon histeroides</i>	Coleoptera	<i>Cerylon histeroides</i>
		370	<i>Rhizophagus ferrugineus</i>	Coleoptera	<i>Rhizophagus ferrugineus</i>
		370	<i>Rhizophagus bipustulatus</i>	Coleoptera	<i>Rhizophagus bipustulatus</i>
		370	<i>Latridius lardarius</i>	Coleoptera	<i>Stephostethus lardarius</i>
		370	<i>Latridius ruficollis</i>	Coleoptera	<i>Dienerella ruficollis</i>
		370	<i>Attagenus pellio</i>	Coleoptera	<i>Attagenus pellio</i>
		371	<i>Hister purpureascens</i>	Coleoptera	<i>Margarinotus purpurascens</i>
Mandibulata 4	1831	35	<i>Nedyus borraginis</i>	Coleoptera	<i>Nedyus borraginis</i>
		40	<i>Nedyus marginatus</i>	Coleoptera	<i>Nedyus marginatus</i>
		40	<i>Rhinoncus pericarpus</i>	Coleoptera	<i>Rhinoncus pericarpus</i>
		46	<i>Cryptorhynchus lapathi</i>	Coleoptera	<i>Cryptorhynchus lapathi</i>
		48	<i>Bagous lutulentus</i>	Coleoptera	<i>Bagous lutulentus</i>
		53	<i>Anoplus plantaris</i>	Coleoptera	<i>Anoplus plantaris</i>
		60	<i>Orchestes scutellaris</i>	Coleoptera	<i>Orchestes testaceus</i>
		68	<i>Balaninus nucum</i>	Coleoptera	<i>Balaninus nucum</i>
		82	<i>Notaris bimaculatus</i>	Coleoptera	<i>Tournotaris bimaculata</i>
		83	<i>Dorytomus vorax</i>	Coleoptera	<i>Dorytomus longimanus</i>
		83	<i>Dorytomus tortrix</i>	Coleoptera	<i>Dorytomus tortrix</i>
		86	<i>Dorytomus fumosus</i>	Coleoptera	<i>Dorytomus fumosus</i>
		93	<i>Hypera punctata</i>	Coleoptera	<i>Phytonomus punctatus</i>
		100	<i>Hypera straminea</i>	Coleoptera	<i>Hypera miles</i>
		126	<i>Strophosomus coryli</i>	Coleoptera	<i>Strophosomus coryli</i>
		130	<i>Sciaphilus muricatus</i>	Coleoptera	<i>Sciaphilus asperatus</i>
		134	<i>Sitona hispidula</i>	Coleoptera	<i>Sitona hispidulus</i>

		135	<i>Sitona lineata</i>	Coleoptera	<i>Sitona lineatus</i>
		136	<i>Sitona grisea</i>	Coleoptera	<i>Sitona griseus</i>
		143	<i>Polydrusus cervinus</i>	Coleoptera	<i>Polydrusus cervinus</i>
		145	<i>Polydrusus micans</i>	Coleoptera	<i>Polydrusus (Eudipnus) mollis</i>
		148	<i>Phyllobius argentatus</i>	Coleoptera	<i>Phyllobius argentatus</i>
		158	<i>Lixus paraplecticus</i>	Coleoptera	<i>Lixus paraplecticus</i>
		162	<i>Megdalis carbonaria</i>	Coleoptera	<i>Magdalis carbonaria</i>
		173	<i>Apion hydrolapathi</i>	Coleoptera	<i>Perapion hydrolapathi</i>
		177	<i>Apion aenum</i>	Coleoptera	<i>Sphenomorpha aenea</i>
		184	<i>Apion virens</i>	Coleoptera	<i>Ischnopterapion virens</i>
		198	<i>Deporaus betulae</i>	Coleoptera	<i>Deporaus betulae</i>
		203	<i>Rhynchites cupreus</i>	Coleoptera	<i>Rhynchites cupreus</i>
		204	<i>Rhynchites betulae</i>	Coleoptera	<i>Rhynchites betulae</i>
		205	<i>Attelabus curculionoides</i>	Coleoptera	<i>Attelabus nitens</i>
		206	<i>Apoderus avellanae</i>	Coleoptera	<i>Apoderus coryli</i>
		234	<i>Pogonocherus nebulosus</i>	Coleoptera	<i>Leiopus nebulosus</i>
		241	<i>Saperda oculata</i>	Coleoptera	<i>Oberea oculata</i>
		243	<i>Clytus arietis</i>	Coleoptera	<i>Clytus arietis</i>
		244	<i>Clytus arcuata</i>	Coleoptera	<i>Plagionotus arcuatus</i>
		248	<i>Callidium alni</i>	Coleoptera	<i>Poecilium alni</i>
		255	<i>Rhagium bifasciatum</i>	Coleoptera	<i>Rhagium bifasciatum</i>
		258	<i>Leptura elongata</i>	Coleoptera	<i>Rutpela maculata</i>
		259	<i>Leptura quadrifasciata</i>	Coleoptera	<i>Leptura quadrifasciata</i>
		268	<i>Donacia crassipes</i>	Coleoptera	<i>Donacia crassipes</i>
		271	<i>Donacia dentipes</i>	Coleoptera	<i>Donacia aquatica</i>
		272	<i>Donacia linearis</i>	Coleoptera	<i>Donacia simplex</i>
		280	<i>Crioceris melanopa</i>	Coleoptera	<i>Oulema melanopus</i>
		282	<i>Crioceris asparagi</i>	Coleoptera	<i>Crioceris asparagi</i>
		288	<i>Galeruca tanacetii</i>	Coleoptera	<i>Galeruca tanacetii</i>

		292	<i>Galeruca tenella</i>	Coleoptera	<i>Gallerucella tenella</i>
		296	<i>Haltica brassicae</i>	Coleoptera	Uncertain
		300	<i>Haltica fuscicornis</i>	Coleoptera	<u><i>Podagrica fuscicornis</i></u>
		304	<i>Haltica moderi</i>	Coleoptera	<i>Hippuriphila modeeri</i>
		332	<i>Phaedon betulae</i>	Coleoptera	<i>Chrysomela betulae</i>
		335	<i>Phaedon vitellinae</i>	Coleoptera	<i>Phratora vitellinae</i>
		337	<i>Phaedon fustuosa</i>	Coleoptera	<i>Chrysolina fastuosa</i>
		341	<i>Chrysomela marginata</i>	Coleoptera	<i>Chrysolina marginata</i>
		342	<i>Chrysomela lurida</i>	Coleoptera	<i>Longitarsus luridus</i>
		344	<i>Chrysomela staphylaea</i>	Coleoptera	<i>Chrysolina staphylaea</i>
		344	<i>Chrysomela polita</i>	Coleoptera	<i>Chrysomela polita</i>
		346	<i>Chrysomela graminis</i>	Coleoptera	<i>Chrysolina graminis</i>
		350	<i>Melosoma populi</i>	Coleoptera	<i>Chrysomela populi</i>
		353	<i>Helodus phellandri</i>	Coleoptera	<i>Prascuris phellandrii</i>
		362	<i>Cryptocephalus minutus</i>	Coleoptera	<i>Gracilia minuta</i>
		366	<i>Cassida equestris</i>	Coleoptera	<i>Cassida viridis</i>
		374	<i>Chilocorus bipustulatus</i>	Coleoptera	<i>Chilocorus bipustulatus</i>
		375	<i>Chilocorus quadriverrucatus</i>	Coleoptera	Uncertain
		377	<i>Coccinella duodecimpunctata</i>	Coleoptera	<i>Vibidia duodecimguttata</i>
		377	<i>Coccinella quatuordecimguttata</i>	Coleoptera	<i>Calvia quatuordecimguttata</i>
		379	<i>Coccinella oblongo-guttata</i>	Coleoptera	<i>Myzia oblongoguttata</i>
		381	<i>Coccinella septempunctata</i>	Coleoptera	<i>Coccinella septempunctata</i>
		381	<i>Coccinella vigintiduo-punctata</i>	Coleoptera	<i>Psyllobora vigintiduopunctata</i>
		382	<i>Coccinella variabilis</i>	Coleoptera	<i>Adalia decempunctata</i>
		383	<i>Coccinella humeralis</i>	Coleoptera	<i>Adalia bipunctata</i>
		385	<i>Coccinella dispar</i>	Coleoptera	<i>Adalia bipunctata</i>
		385	<i>Coccinella impustulata</i>	Coleoptera	<i>Oenopia impustulata</i>
		387	<i>Coccinella undecimpunctata</i>	Coleoptera	<i>Coccinella undecimpunctata</i>
		387	<i>Coccinella hieroglyphica</i>	Coleoptera	<i>Coccinella hieroglyphica</i>

		388	<i>Coccinella octodecimguttata</i>	Coleoptera	<i>Myrrha octodecimguttata</i>
		389	<i>Coccinella tredecimpunctata</i>	Coleoptera	<i>Hippodamia tredecimpunctata</i>
		393	<i>Scymnus parvulus</i>	Coleoptera	<i>Scymnus rubromaculatus</i>
		397	<i>Cacicula pectoralis</i>	Coleoptera	<i>Coccidula rufa</i>
		399	<i>Endomychus coccineus</i>	Coleoptera	<i>Endomychus coccineus</i>
		402	<i>Mecinus semicylindricus</i>	Coleoptera	<i>Mecinus pyraster</i>
		402	<i>Gymnaetron beccabungae</i>	Coleoptera	<i>Gymnaetron beccabungae</i>
		402	<i>Miarus campanulae</i>	Coleoptera	<i>Miarus campanulae</i>
		402	<i>Cionus scrophulariae</i>	Coleoptera	<i>Cionus scrophulariae</i>
		402	<i>Cleopus pulchellus</i>	Coleoptera	<i>Cleopus pulchellus</i>
		402	<i>Orobitus cyaneus</i>	Coleoptera	<i>Orobitis cyaneus</i>
		402	<i>Ceuthorrhynchus quercus</i>	Coleoptera	<i>Sirocalodes quercicola</i>
		402	<i>Ceutorrhynchus fuliginosus</i>	Coleoptera	<i>Ceutorhynchus fuliginosus</i>
		403	<i>Nedyus contractus</i>	Coleoptera	<i>Nedyus contractus</i>
		403	<i>Anthonomus pedicularius</i>	Coleoptera	<i>Anthonomus pedicularius</i>
		404	<i>Hylobius abietis</i>	Coleoptera	<i>Hylobius abietis</i>
		404	<i>Alophus Vau</i>	Coleoptera	<i>Alophus vau</i>
		404	<i>Barynotus mercurialis</i>	Coleoptera	<i>Tropiphorus terricola</i>
		404	<i>Merionus obscurus</i>	Coleoptera	<i>Barynotus obscurus</i>
		404	<i>Otiorhynchus scaber</i>	Coleoptera	<i>Romualdius scaber</i>
		405	<i>Otiorhynchus ater</i>	Coleoptera	<i>Curculio ater</i>
		405	<i>Otiorhynchus scabrosus</i>	Coleoptera	<i>Otiorhynchus rugosostriatus</i>
		405	<i>Philopeton plumbeus</i>	Coleoptera	<i>Attactagenus plumbeus</i>
		406	<i>Salpingus viridipennis</i>	Coleoptera	<i>Vincenzellus ruficollis</i>
		406	<i>Salpingus planirostris</i>	Coleoptera	<i>Salpingus planirostris</i>
		407	<i>Halicta helxines</i>	Coleoptera	<i>Chrysomela helxines</i>
Mandibulata 5	1832	8	<i>Tenebrio molitor</i>	Coleoptera	<i>Tenebrio molitor</i>
		9	<i>Tenebrio obscurus</i>	Coleoptera	<i>Tenebrio obscurus</i>
		14	<i>Diaperis boleti</i>	Coleoptera	<i>Diaperis boleti</i>

		25	<i>Helops caeruleus</i>	Coleoptera	<i>Helops caeruleus</i>
		34	<i>Melandrya caraboides</i>	Coleoptera	<i>Melandrya caraboides</i>
		43	<i>Anapsis frontalis</i>	Coleoptera	<i>Anapsis frontalis</i>
		64	<i>Pyrochroa rubens</i>	Coleoptera	<i>Pyrochroa rubens</i>
		66	<i>Proscarabeus vulgaris</i>	Coleoptera	<i>Meloe (Meloe) proscarabaeus</i>
		74	<i>Anthiscus fuscus</i>	Coleoptera	<i>Anthrenus fuscus</i>
		279	<i>Paederus littoralis</i>	Coleoptera	<i>Paederus littoralis</i>
		387	<i>Bembidium paludosum</i>	Coleoptera	<i>Trechus rubens</i>
Mandibulata 6	1835		No Heysham records		
Mandibulata 7	1835		No Heysham records		

Citations of Heysham's insect records in other publications

Current scientific name	Recorded name	Reference	Page/plate
Odonata			
<i>Leucorrhinia dubia</i>	<i>Leucorrhinia dubia</i>	Limbert 1997	90
Hemiptera			
<i>Limnoporus rufoscutellatus</i>	<i>Hydrometra rufoscutellata</i>	Douglas & Scott 1867	270
Pthiraptera			
<i>Docophorus merguli</i>	<i>Docophorus merguli</i>	Evans 1812	265
Lepidoptera			
<i>Catocala nupta</i>	<i>Catocala nupta</i>	Briggs 1988	54
<i>Colias croceus</i>	<i>Colias edusa</i> (clouded yellow)	Hodgkinson 1859	102
<i>Colias croceus</i>	<i>Colias edusa</i> (clouded yellow)	Routledge 1909	100
<i>Deilephila elpenor</i>	<i>Deilephila elpenor</i>	Frohawk 1842-45	72
<i>Erebia ephron</i>	Small mountain ringlet butterfly	Newman 1869	82
<i>Hamearis lucina</i>	Duke of Burgundy fritillary	Duncan 1835	138
<i>Hamearis lucina</i>	Duke of Burgundy fritillary	Humphreys & Westwood 1841	81
<i>Hamearis lucina</i>	Duke of Burgundy fritillary	Morris 1890	91
<i>Hyles gallii</i>	<i>Deilephila gallii</i>	Dale 1895	218
<i>Hyles gallii</i>	<i>Celerio gallii</i>	Tutt 1904	195
<i>Leptidea sinapis</i>	Wood white butterfly	Duncan 1835	138
<i>Lycaena dispar</i>	<i>Polyommatus hippothoe</i> (scarce copper)	Fitch 1891	101

<i>Nymphalis antiopa</i>	<i>Vanessa antiopa</i> (Camberwell beauty)	Hodgkinson 1859	103
<i>Nymphalis antiopa</i>	<i>Eu Vanessa antiopa</i> (Camberwell beauty)	Routledge 1909	103
<i>Protoschinia scutosa</i>	<i>Phalaena scutosa</i>	Wood 1839	241, Pl. 595
<i>Protoschinia scutosa</i>	<i>Heliothis scutosa</i>	Stainton 1855	39
<i>Protoschinia scutosa</i>	<i>Heliothis scutosa</i>	Curtis 1858a	595, Pl. 18
<i>Protoschinia scutosa</i>	<i>Heliothis scutosa</i>	Thornley 1859	136
<i>Protoschinia scutosa</i>	<i>Heliothis scutosa</i>	Hodgkinson 1874	42-43
<i>Protoschinia scutosa</i>	<i>Heliothis scutosa</i>	Fitch 1877	107
<i>Protoschinia scutosa</i>	<i>Heliothis scutosa</i>	Tutt 1892	125
<i>Protoschinia scutosa</i>	<i>Heliothis scutatus</i>	Barrett 1899	158
Diptera			
<i>Ceriana conopsoides</i>	<i>Conops vaginicornis</i>	Stephens 1829	280
<i>Ceriana conopsoides</i>	<i>Ceriana conopsoides</i>	Stephens 1829	330
<i>Odontomyia hydroleon</i>	<i>Odontomyia felina</i>	Duncan 1837	153
<i>Odontomyia hydroleon</i>	<i>Odontomyia hydroleon</i>	Duncan 1837	154
<i>Oxycera trilineata</i>	<i>Oxycera trilineata</i>	Duncan 1837	157
<i>Sargus cuprarius</i>	<i>Sargus cuprarius</i>	Duncan 1837	162
<i>Sargus iridatus</i>	<i>Sargus infuscatus</i>	Duncan 1837	162
Hymenoptera			
<i>Andrena denticulata</i>	<i>Andrena denticulata</i>	Smith 1876	53
<i>Arotes albicinctus</i>	<i>Arotes albicinctus</i>	Morley 1908	267
<i>Athalia rosae</i>	<i>Athalea rosae</i>	Kirby 1882	234
<i>Bombus ruderarius</i>	<i>Bombus derhamellus</i>	Bold 1868-70	166
<i>Bombus soroensis</i>	<i>Bombus soroensis</i>	Smith 1867	284
<i>Bombus soroensis</i>	<i>Bombus soroensis</i>	Smith 1876	215

<i>Bombus soroensis</i>	<i>Bombus soroensis</i>	Sladen 1912	164
<i>Chrysura austriaca</i>	<i>Chrysis austriaca</i>	Smith 1862	92
<i>Cimbex femoratus</i>	<i>Cimbex femorata</i>	De Dalla Torre 1894	371
<i>Cimbex femorata</i>	<i>Cimbex femorata</i>	Marriner 1936	41
<i>Coelichneumon sugillatorius</i>	<i>Coelichneumon sugillatorius</i>	Morley 1918b	168
<i>Hoplismenus bidentatus</i>	<i>Mesostenus maurus</i>	Marshall 1873	41
<i>Hoplismenus bidentatus</i>	<i>Mesostenus maurus</i>	Morley 1914	396
<i>Hoplismenus bidentatus</i>	<i>Mesostenus maurus</i>	Morley 1918b	173
<i>Pseudogonalos hahnii</i>	<i>Trigonalys hahni</i>	Morley 1918a	232
<i>Tenthredo maculata</i>	<i>Tenthredo maculata</i>	Kirby 1882	296
<i>Xiphydria camelus</i>	<i>Xiphydria camelus</i>	Kirby 1882	370
Coleoptera			
<i>Agonum</i> sp.	<i>Agonum</i> sp.	Anon 1892	35
<i>Agonum</i> sp.	<i>Agonum</i> sp.	MacPherson & Duckworth 1886	27
<i>Badister sodalis</i>	<i>Badister humeralis</i>	Dawson 1854	62
<i>Bembidion quadrimaculatum</i>	<i>Bembidium quadriguttatus</i>	Day 1907	86
<i>Blethisa multipunctata</i>	<i>Blethisia multipunctata</i>	Routledge 1904	316
<i>Bodilopsis sordidus</i>	<i>Aphodius sordidus</i>	Day 1952	126
<i>Calamosternus granarius</i>	<i>Aphodius granarius</i>	Day 1952	125
<i>Calosoma sycophanta</i>	<i>Calosoma sycophanta</i>	Fowler 1913	202
<i>Carabus hortensis</i>	<i>Carabus hortensis</i>	MacPherson & Duckworth 1886	27
<i>Carabus hortensis</i>	<i>Carabus hortensis</i>	Anon 1892	35
<i>Cardiophorus thoracicus</i>	<i>Cardiophorus thoracicus</i>	Fowler 1890	85
<i>Cassida viridis</i>	<i>Cassida viridis</i>	Read 1984	30
<i>Cerambyx hispidus</i>	<i>Pogonocherus hispidus</i>	Smith 1878	178
<i>Coccinella quinquepunctata</i>	<i>Coccinella 5-punctata</i>	Marriner 1924	87

<i>Curculio nucum</i>	<i>Curculio nucum</i>	Read 1980	178
<i>Deleaster dichrous</i>	<i>Lesteva leachii</i>	Curtis 1858b	Plate 13, fig. 115
<i>Dexiogyia corticina</i>	<i>Ischnoglossa corticina</i>	Rye 1863	72
<i>Dorytomus majalis</i>	<i>Dorytomus majalis</i>	Walton 1851	314
<i>Dorytomus tremulae</i>	<i>Dorytomus tremulae</i>	Walton 1851	311
<i>Eupleurus subterraneus</i>	<i>Aphodius subterraneus</i>	Day 1952	125
<i>Euproctis similis</i>	<i>Porthesia similis</i>	Day 1921	219
<i>Leiopus nebulosus</i>	<i>Pogonocherus nebulosus</i>	Smith 1878	178
<i>Lopha viridis</i> (manuscript name)	<i>Lopha viridis</i>	Stephens 1829	406
<i>Magdalis carbonaria</i>	<i>Magdalis carbonaria</i>	Walton 1845	226
<i>Notiophilus biguttatus</i>	<i>Notiophilus biguttatus</i>	Wilson & Duncan 1834	112
<i>Notiophilus quadripunctatus</i>	<i>Notiophilus 4-punctatus</i>	Stephens 1829	406
<i>Notiophilus rufipes</i>	<i>Notiophilus rufipes</i>	Stephens 1829	406
<i>Notiophilus rufipes</i>	<i>Notiophilus rufipes</i>	Dawson 1854	55
<i>Obera octulata</i>	<i>Sapadera oculata</i>	Smith 1878	178
<i>Ocys harpaloides</i>	<i>Bembidion rufescens</i>	Marriner 1939	122
<i>Pachytodes cerambyciformis</i>	<i>Pachyta cerambiciformis</i>	Smith 1878	178
<i>Pachytodes cerambyciformis</i>	<i>Pachyta cerambiciformis</i>	Donisthorpe 1902	185
<i>Pachytodes cerambyciformis</i>	<i>Pachyta cerambyciformis</i>	Tutt 1902	79
<i>Procas granulicollis</i>	<i>Procas granulicollis</i>	Walton 1848	169
<i>Propylaea quatuordecimpunctata</i>	<i>Halyzia conglobata</i>	Marriner 1924	87
<i>Pyrochroa serraticornis</i>	<i>Pyrochroa serraticornis</i>	Murray 1900	2
<i>Rhynchites cupreus</i>	<i>Rhynchites cupreus</i>	Walton 1844	87
<i>Scarodytes halensis</i>	<i>Hydroporus halensis</i>	Balfour-Browne 1909	85
<i>Scarodytes halensis</i>	<i>Hydroporus halensis</i>	Balfour-Browne 1910	81
<i>Scymnus auritus</i>	<i>Scymus capitatus</i>	Marriner 1924	88
<i>Silpha atrata</i>	<i>Phosphuga atrata</i>	Anon 1892	35

<i>Silpha atrata</i>	<i>Phosphuga atrata</i>	MacPherson & Duckworth 1886	27
<i>Sinechostictus ruficornis</i>	<i>Peryphus albipes</i>	Stephens 1829	406
<i>Trachodes hispidus</i>	<i>Trachodes hispidus</i>	Read 1980	177
<i>Trachodes hispidus</i>	<i>Trachodes hispidus</i>	Walton 1852	205
<i>Notiophilus biguttatus</i>	<i>Notiophilus biguttatus</i>	Wilson & Duncan 1834	112

References

- Allen, D.E. (1965) The origin of sugaring, *Entomologist's Record and Journal of Variation* 77, 117-121.
- Anon (1892) *Carabus hortensis*, *Phosphuga atrata* and several species of *Agonum*, *Naturalist* 17, 35.
- Balfour-Browne (1909) The aquatic Coleoptera of the Solway District, *Annals of Scottish Natural History* 17, 76-86.
- Balfour-Browne (1910) The aquatic Coleoptera of the Mid-Ebudes, *Annals of Scottish Natural History* 18, 76-86.
- Barrett, C.G. (1889) Notes on some very old specimens of Lepidoptera [in coll. Rev. H. Burney], *Naturalist* 16, 158.
- Bold, T.J. (1868-70) A catalogue of the insects of Northumberland and Durham (Aculeata, Hymenoptera), *Transaction of the Natural History Society of Northumberland and Durham* 3, 137-170.
- Briggs, J. (1988) *Catocala nupta* L., the red underwing (Lep. Noctuidae) in Cumbria, *Entomologists' Record and Journal of Variation* 100, 54.
- Curtis, J. (1824-1839) *British Entomology*, Curtis, London. Several issues with different pagination.
- Curtis J. (1858) *The Genera of British Lepidoptera*, Lovell Reeve, London.
- Curtis J. (1858) *The Genera of British Coleoptera*, Lovell Reeve, London.
- Day, F. H. (1902) Coleoptera in Barron Wood, Cumberland, *Entomologist's Record* 14, 339-340.
- Day, F. H. (1907) The genus *Bembidium* Lat., in Cumberland, *Entomologist's Record* 19, 84-87.
- Day, F. H. (1921) *Porthesia similis* Fues in Cumberland, *Entomologist* 54, 219.
- Day, F.H. (1952) Coleoptera, the genus *Aphodius* Ill. in Cumberland, *Entomologist's Record*, 64, 125-126.
- Donisthorpe, H. (1902) The Coleoptera of the Victoria History of Cumberland, *Entomologist's Record* 14, 184-185.
- Dale, C.W. The history of our British hawk-moths, *Naturalist* 21, 218.
- Dawson, J.F. (1854) *Geodephaga Britannica*, A Monograph of the Carnivorous Ground-Beetles Indigenous to the British Isles, London, John Van Voorst.
- De Dalla Torre, C.G. (1894) *Catalogus Hymenopterorum, volume 1, Tenrthredenidae incl. Uroceridae*, Leipzig, Guillelmi Engelmann.
- Denny, H. (1842) *Monographia Anoplurum Britanniae*, Henry G. Bohn, London.
- Dobson, R.M. and Hancock, E.G. (2008) Historical review of a cabinet of Coleoptera from Thomas George Bishop's collection connected with James Francis Stephens. *The Glasgow Naturalist* 25, 9-14, see p. 11.
- Douglas, J.W. & Scott, J. (1867) British Hemiptera, additions and corrections, *Entomologist's monthly Magazine* 3, 265-275.
- Duncan, J. (1835) *The Naturalist's Library, Entomology Vol. 3, British Butterflies*, Edinburgh, W. H. Lizars.
- Duncan, J. (1837) Characters and descriptions of the dipterous insects indigenous to Britain, *Magazine of Zoology and Botany* 1, 145-167.

- Evans, W. (1812) Note on Mallophaga from the little auk or rotchie (*Alle alle*); with list of species taken on birds and mammals in the Forth Area. *Proceedings of the Royal Physical Society of Edinburgh* 18, 265-276.
- Fowler, W.W. (1890) *The Coleoptera of the British Islands, Volume 4*, London, L. Reeve & Co.
- Fowler, W.W. (1913) *The Coleoptera of the British Islands, Volume 6, Supplement*, London, L. Reeve & Co.
- Frohawk, F.W. (1942-5). A Suffolk collection, and a letter from T.C. Heysham, 1791-1857, *Transactions of the Suffolk Naturalists' Society* 5, 71-73.
- Fitch, E.A. (1877) *Heliothis scutosa*, *Entomologist* 10, 105-108.
- Fitch, E.A. (1891) The Lepidoptera of Essex, *Essex Naturalist* 5, 74-96.
- Frohawk, F.W. (1942-5). A Suffolk collection, and a letter from T.C. Heysham, 1791-1857, *Transactions of the Suffolk Naturalists' Society* 5, 71-73.
- Hodgkinson, J.B. (1859) Observations on the geographical and geological range of butterflies, *Entomologist's Weekly Intelligencer* 7, 101-104.
- Hodgkinson, J.B. (1874) *Heliothus scutosa*, *Entomologist* 8, 42-43.
- Humphreys, H. N. and Westwood, J.O (1841) *British Butterflies and their Transformations*, London, William Smith.
- Kirby, W.F. (1882) *List of Hymenoptera in the British Museum, Vol. 1 Tenthredenidae and Siricidae*, London, British Museum.
- Limbirt, M. (1997) The white-faced dragonfly *Leucorrhina dubia* (Vander L) on Thorne Moors, *Naturalist* 122, 88-92.
- MacPherson, H.A. and Duckworth, W. (1886) *The Birds of Cumberland Critically Studied, Including Some Notes on the Birds of Westmorland*, Carlisle, Chas Thurnam. (see also *Naturalist* (1892), 17, 35).
- Marriner, T.F. (1924) The Cumberland Coccinellidae, *Entomologist's Record* 36, 1-12.
- Marriner, T.F. (1936) Some Cumberland sawflies, *Entomologist's Record* 48, 41-43.
- Marriner, T.F. (1939) Coleoptera of Easton, *Entomological Record & Journal of Variation* 51, 122-127.
- Marshall, T.A. (1873) Descriptions of two new species of ichneumonid (*Anomalon* and *Mesostenus*) from Great Britain, *Entomologist's Monthly Magazine* 9, 40-41.
- Morley, C. (1908) *Ichneumonologia Britannica III, The Ichneumons of Great Britain, Pimplinae*, C. Morley, London.
- Morley, C. (1911) *Ichneumonologia Britannica IV, The Ichneumons of Great Britain, Tryphoninae*, C. Morley, London.
- Morley, C. (1914) *Ichneumonologia Britannica V, The Ichneumons of Great Britain, Ophioninae*, C. Morley, London.
- Morley, C. (1918) Confirmation of *Trigonalys hahni* of the hymenopterous family Trigonalidae, as British, *Entomologist* 51, 232.
- Morley, C. (1918) Jottings on the British Ichneumonidae in the national collection, *Entomologist* 43, 167-176.
- Morris, F.O. (1890) *A History of British Butterflies, Sixth edition*, John C. Nimmo, London.
- Murray, J. (1900) *Pyrochroa serraticornis* in Cumberland, *Naturalist* 25,2.
- Murray, J. (1936) Cumberland Coleoptera, *Naturalist* 61, 82.
- Newman, E. (1869) *An Illustrated Natural History of British Butterflies and Moths*. William Glaisher, London.

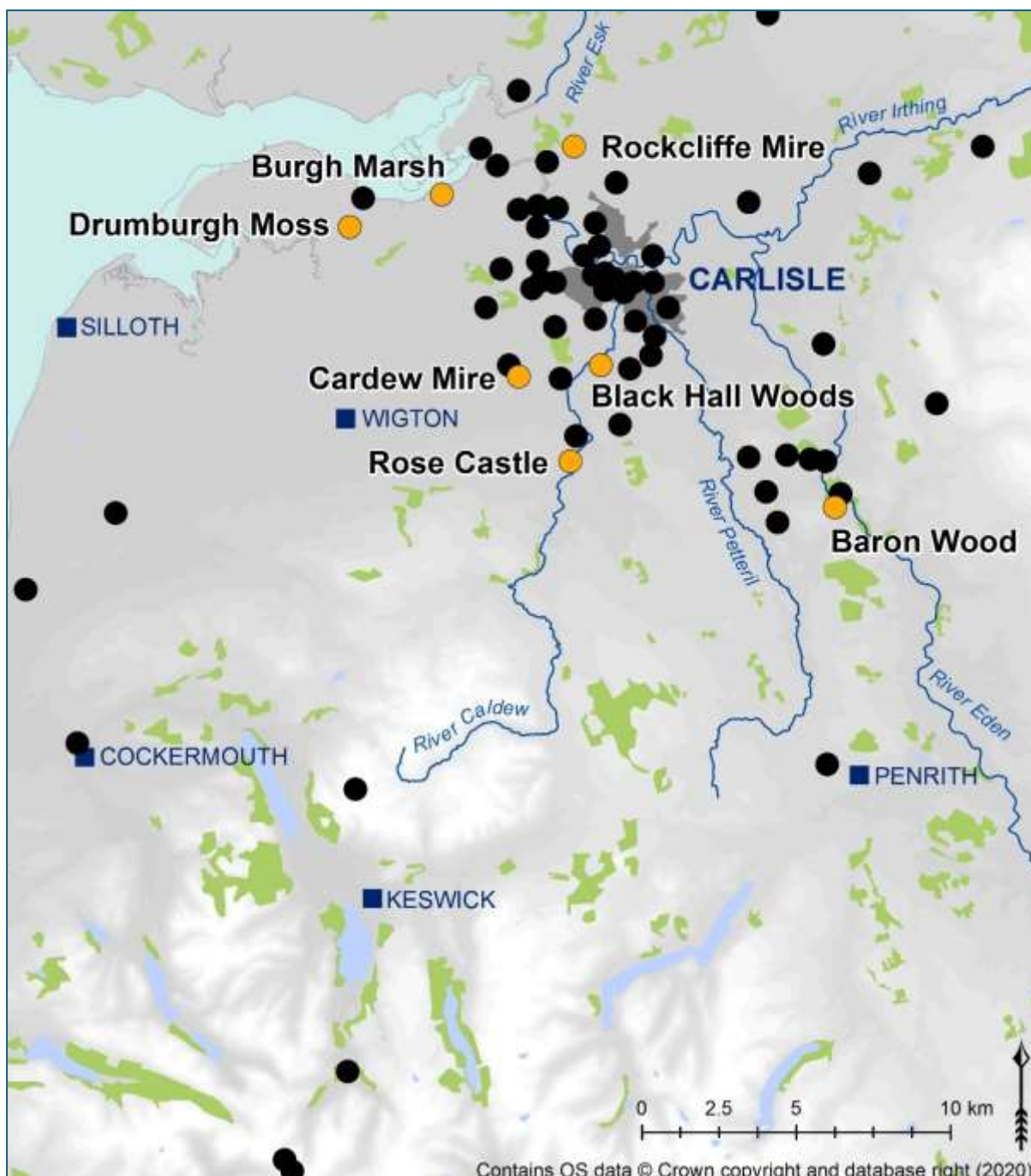
- Read, R.W.J. (1980) Some records of Curculionidae (Coleoptera) from Cumbria collected in 1978, *Entomologist's Record*, 92, 176-179.
- Read, R.W.J. (1984) *Cassida viridis* (Col., Chrysomelidae) in west Cumbria, *Entomologist's Record*, 96, 30-31.
- Routledge, G.B. (1904) *Blethisia multipunctata* near Carlisle, *Naturalist* 29, 315-316.
- Routledge, G.B. (1909) The butterflies of Cumberland, *Transactions of the Carlisle Natural History Society*, 1, 98-113.
- Rye, E.C. (1861) Coleoptera, new British species, nomenclature, &c, noticed since the publication of the Entomologist's Annual, 1861, *Entomologist's Annual*, 65-115.
- Sladen, F.W. (1912) *The Humble Bee*, London MacMillan.
- Smith, F. (1862) Hymenoptera, notes on Hymenoptera observed during the past season, *Entomologist's Annual*, 69-104.
- Smith, F. (1867) A revision of the British species of the genus *Bombus*, *Entomologist* 3, 281-288.
- Smith, F. (1876) A Catalogue of British Hymenoptera in the British Museum, Part 1 Andrenidae and Apidae, (2nd ed.), British Museum, London.
- Smith, F. (1878) Entomological echoes, *Entomologist* 11, 171-178.
- Stainton, H.T. (Ed.) (1855) New British species since 1835, *The Entomologist's Annual*, p. 39.
- Stephens, J.F. (1829) *A Systematic Catalogue of British Insects*, J.F. Stephens, London.
- Stephens, J.F. (1828-1846) *Illustrations of British Entomology*, J.F. Stephens, London.
- Stephens, J.F. (1839) *A Manual of British Coleoptera, or Beetles*, Longman, London.
- Thornley, J.J. (1859) Proceedings of the Preston Natural History Society, *Entomologist's Weekly Intelligencer* 4, 139.
- Tutt, J.W. (1892) *British Noctuae and Their Varieties*, volume 3, London, Swan, Sonnenschein & Co.
- Tutt, J.W. (1902) Migration and dispersal of insects: Coleoptera, *Entomologists Record* 14, 73-80.
- Tutt, J.W. (1904) *A Natural History of the British Lepidoptera, Volume 4*, London, Swan Sonnenschein & Co.
- Walton, J. (1844). Notes on the Coleopterous genus of insects *Rhynchites* of Herbst., *Annals and Magazine of Natural History* 13, 81-89.
- Walton, J. (1845) Notes, &c on the genera of insects *Oxystoma* and *Magadalis*, *Annals and Magazine of Natural History* 16, 221-227.
- Walton, J. (1848) Notes &c. on the genera of insects *Eriirhinus*, *Notaris*, and *Procas*, with the description of two new species, *Annals and Magazine of Natural History* (Ser. 2), 2, 166-169.
- Walton, J. (1851) Notes on the British species of *Dorytomus* and *Elleschus*, *Annals and Magazine of Natural History* (Ser. 2), 7, 310-318.
- Walton, J. (1852) Descriptions of two new genera of insects, and of two new species, belonging to the family Curculionidae, *Annals and Magazine of Natural History* (Ser. 2), 9, 204-206.
- Wilkinson, R.S. (1966) The invention of "sugaring" for moths in nineteenth-century England, *Michigan Entomologist* 1, 3-9.
- Wilson, J. and Duncan, J. (1834) *Entomologia Edensis, Coleoptera*, Edinburgh, William Blackwood.

Wood, W. (1839) *Index Entomologicus; or a Complete Illustrated Catalogue of the Lepidopterous Insects of Great Britain*, London, William Wood.

Gazetteer of Heysham's insect collecting localities

Locality	OS Grid reference (NY)
Aiket Gate	485465
Allerby	088395
Armathwaite	505462
Baron Wood	510438
Beaumont	345593
Belle Vue	115315
Black Hall	388512
Black Hall Woods	388512
Borrowdale	256144
Botcherby	415555
Bow	336562
Brampton	528612
Burgh Marsh	305601
Caldew (river) Long Island	400550
Canal Reservoir	390560
Cardew Mire	345506
Cargo	365594
Carlisle	395557
Castletown	506304
Cobble Hall	355566
Coombes Wood	513445
Cricket Gate?	unclear
Crosby on Eden	465597
Cummersdale	385536
Cumwhitton	504523
Dalston	367505
Davidsons Bank	unclear
Denton	587626
Drumburgh Moss	257584
Drumburgh Marsh	264599
Durranhill	342555
Durdar	403510
Eden Bridge	any of 3?
Etterby	387574
Great Barrock	475695
Harker	396607
Harraby	423542

Harraby Knells	423542
Hen Moss	364555
Hesket Moss	474446
High Hesket	474446
Hill Ends	497463
Holme	375475
Holme Hill	375475
Jamestown on Esk	298969
King Garth	355595
Kingmoor	385586
Kirk Andrews-upon-Eden	355584
Little Orton	352552
Low Hesket	465464
Mossband	345655
Nealhouse	340512
Netherton	414517
New Moss?	unclear
New Town	384559
Newbiggin	563492
Newby Cross	364532
Orton (Great)	328542
Prior Rigg	357556
Rickerby	415569
Rockcliffe	360618
Rockcliffe Marsh	325625
Rockcliffe Mires	374626
Rose Castle	372462
Sandsfield	334616
Skiddaw	260291
Sprinkling Tarn	227092
Sprunston	398481
St Nicholas	405555
Stainton	379569
Sty Head Tarn	223098
Tarn Wadling	480430
Upperby and Dalston Vale	406535
Warwick Hall	135435
Wasdale	145045
West Walls	390551
Wiltlesen? Mere	unclear
Woodbank	416527



Heysham’s insect collecting localities indicated by a black circle. Favourite sites are indicated in orange, and some are illustrated below.



Some favourite Heysham localities. Top row — Drumburgh Moss and Burgh Marsh. Middle row — Baron Wood and Rose Castle. Bottom — Banks of the River Caldew.

Other miscellaneous mentions

Collection of molluscs

Heysham collected molluscs but this passed largely unnoticed in the published literature. At one time he intended to publish an account of the land and freshwater snail shells of Cumberland but was deterred by the expense (MacPherson 1892). It is unclear whether any manuscript existed or if it did then it now appears lost. Letters indicate that he was in contact with Joshua Alder (1792-1867) of Newcastle upon Tyne, author of several works on snails and their allies (Welford 1895).

References

- Macpherson, H. A. (1892) Bibliography: land and freshwater Mollusca 1892-3, Cumberland, *Naturalist* 23, 195.
- Welford, R. (1895) *Men of Mark 'Twixt Tyne and Tweed, Volume 1*, London, Walter Scott, pp. 31-34.

Sugaring for moths

Heysham was amongst the first to use sugar baits to attract moths (Christy 1888, Allen 1965, Wilkinson 1966). The sugary solution was spread on the trunks of trees and attracted a wide range of species.

References

- Allen, D.E. (1965) The origin of sugaring, *Entomologist's Record and Journal of Variation* 77, 117-121.
- Christy, M. (1888) The origin of "sugaring": to whom does the credit rightly belong? *Essex Naturalist* 2, 69-70.
- Wilkinson, R.S. (1966) The invention of "sugaring" for moths in nineteenth-century England, *Michigan Entomologist* 1, 3-9.

Subscriptions to new books

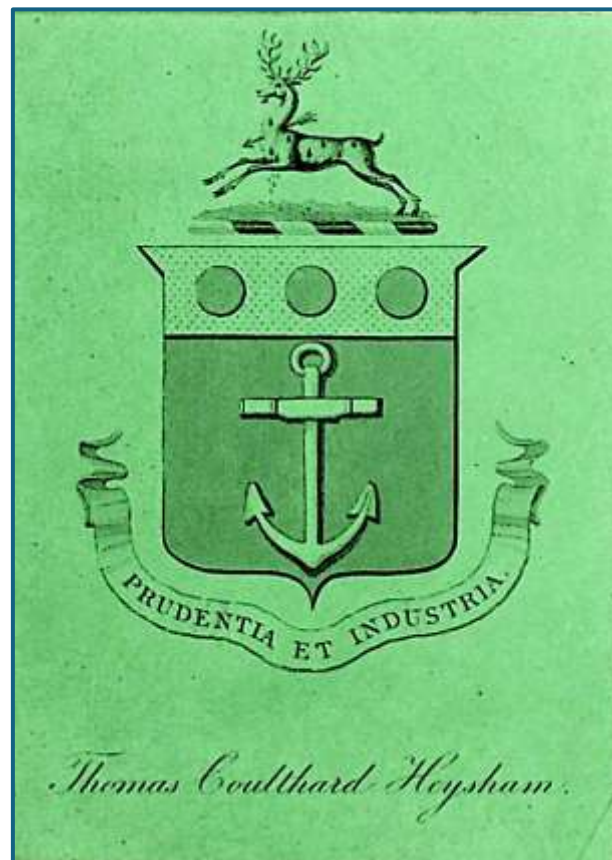
Thomas Heysham was a regular subscriber to new books and is listed as such in several important publications. For example, he features in John Gould's lists of subscribers to his fine illustrated books on birds and mammals, to John Stephens catalogue of British insects and to Denny's monograph on bird lice (Stephens 1829, Denny 1842, Gould 1856). He was a subscriber to the natural history volumes of the Ray Society, including Steenstrup's *On the Alternation of Generations*, and to Curtis's *British Entomology* (Ray Society 1842, Steenstrup 1845). He was also a frequent correspondent of William Holme Lizars (1788-1859), the Edinburgh engraver and printer, who helped the celebrated naturalist John James Audubon (1785-1851) obtain sponsorship from wealthy patrons (Hodkinson 2025).

References

- Anon (1855) *Entomologist's Annual for MDCCCLV*, London, John Van Voorst.
- Denny, H. (1842) *Monographia Anoplurum Britanniae*, London, Henry G. Bohn, see unpaginated Appendix.
- Gould, J. (1856) *Reports on the Progress of Zoology and Botany. Prospectus of the Works on Ornithology and on the Mammalia: Names of the Subscribers to and Possessors of the Various Works*, London, J. Gould, pp. 18-19.
- Hodkinson, I.D. (2025) Thomas Coulthard Heysham (1791-1857), gentleman, naturalist and mayor of Carlisle, *Transactions of the Cumberland and Westmorland Antiquarian and Archaeological Society, Series 3*, 25 (in press)
- Ray Society (1844) List of subscribers, T.C. Heysham, *Report of the First Annual Meeting of the Ray Society*, London, C. & J. Adlard, p.15.
- Steenstrup, J.J.S.M (1844) *On the Alternation of Generations: The Propagation and Development of Animals Through Alternate Generations*, London, Ray Society, p. 15.
- Stephens, J.F. (1829) *A Systematic Catalogue of British Insects*, J.F. Stephens, London, p. xxxii.
- Stephens, J.F. (1828-1846) *Illustrations of British Entomology*, J.F. Stephens, London.

Heysham's heraldic book plate

Thomas Heysham's bookplate incorporates three sinking suns above an anchor, the traditional elements of the Heysham family coat of arms. They represent trade with the West Indies and the maritime roots of the family (Gambier-Howe 1994, Boumphrey and Hudleston 1975, Hodkinson 2019).

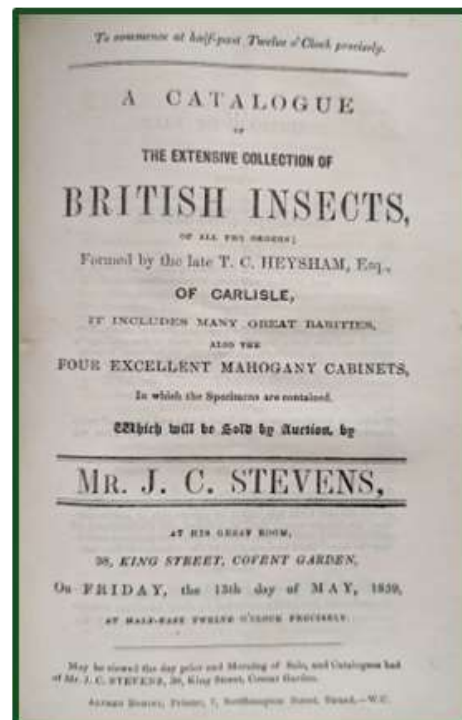
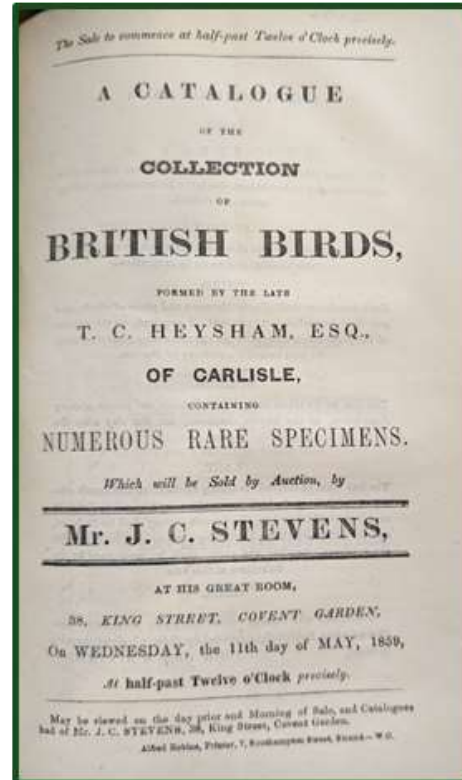
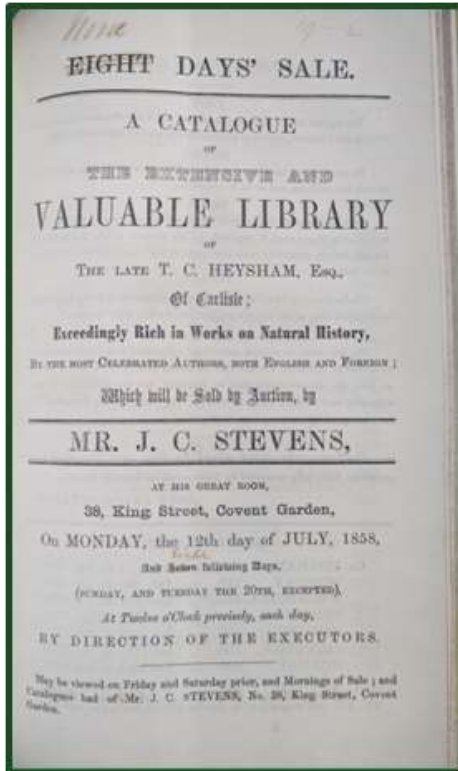


Heysham's bookplate from his copy of Curtis's *British Entomology*.
Now in the library of the Royal Entomological Society.

References

- Boumphrey, R.S. and Hudleston, C.R. (1975) *An Armorial for Westmorland and Lonsdale*, Lake District Museum Trust, CWAAS.
- Gambier Howe, E.R., J. (1904) *Franks Bequest, Catalogue of British and American Bookplates*, London, British Museum.
- Hodkinson, I.D. (2019) *Natural Awakenings: Early Naturalists in Lakeland*, Kendal, Titus Wilson, p. 164.

The sale of Heysham's collections and library



The Catalogues

- Stevens, J.C. (1858) *A Catalogue of the Extensive and Valuable Library of the Late T.C. Heysham of Carlisle; Exceedingly Rich in the Works of Natural History, Which Will be Sold by Auction, by Mr. J. C. Stevens, at His Great Room, 38, King Street, Covent Garden, on Monday, the 12th Day of July 1858.* London, Alfred Robbins. 74 pp.
- Stevens, J.C. (1859) *A Catalogue of the Collection of British Birds, formed by the Late T.C. Heysham, Esq. of Carlisle, Which Will be Sold by Auction, by Mr. J. C. Stevens, at His Great Room, 38, King Street, Covent Garden, on 11th Day of May, 1859, Wednesday, 11th Day of May, 1859,* London, Alfred Robbins. 10 pp.
- Stevens, J.C. (1859) *A Catalogue of the Extensive Collection of British Insects, of All the Orders, formed by the Late T.C. Heysham, Esq. of Carlisle, Which Will be Sold by Auction, by Mr. J. C. Stevens, at His Great Room, 38, King Street, Covent Garden, on Friday, 13th Day of May 1859,* London, Alfred Robbins. 10 pp.
- Stevens, J.C. (1859) *A catalogue of the valuable collection of British birds' eggs, formed by the late T.C. Heysham, Esq. of Carlisle, Which Will be Sold by Auction, by Mr. J. C. Stevens, at His Great Room, 38, King Street, Covent Garden, on Monday, 16th Day of May 1859.* London, Alfred Robbins. 8 pp.
- Stevens, J.C. (1859) *A Catalogue of the Concluding Portion of the Natural History Collections of the Late T.C. Heysham, Esq., of Carlisle : Including Botanical Specimens, Sea Weeds, Fish, Shells and a Few Books, to Which be Added Bird Skins and a Few in Cases, Minerals, Fossils, Achromatic Microscope, Cameras and Apparatus, Pistols, by Beckwith, and Miscellanies, Which Will be Sold by Auction, by Mr. J. C. Stevens, at His Great Room, 38, King Street, Covent Garden, on Friday, the 27th Day of May,* London, Alfred Robbins. 8 pp.

Advertisements for the Heysham sales and other associated references

- Advertisement (1858) The valuable library of the late T.C. Heysham, *The Athenaeum*, 26 June 1858, p. 803.
- Advertisement (1858) The valuable library of the late T.C. Heysham, *The Critic*, 17, 10 July 1858, p. 365.
- Advertisement (1858) The valuable library of the late T.C. Heysham, *The London Daily News*, 5 July 1858, p. 8.
- Advertisement (1858) The sale of a valuable library and collection of birds &c, *Carlisle Journal*, 9 July 1858, p. 8.
- Advertisement (1858) Sale of the library of T.C. Heysham, *Bent's Monthly Literary Advertiser*, 12 July 1858, p. 129.
- Advertisement (1859) British birds, *The Athenaeum*, 7 May 1859, p. 599.
- Advertisement (1859) To entomologists. *The Athenaeum*, 7 May 1859, p. 599
- Advertisement (1859) Birds' eggs. *The Athenaeum*, 7 May 1859, p. 599.
- Advertisement (1859) Notice to entomologists, *Entomologist's Weekly Intelligencer* (1859) 6, 48.
- Allingham, E.G. (1924) *A Romance of the Rostrum: Being the Business Life of Henry Stephens and the History of Thirty-eight King Street*. London, London, Witherby, H.F. and G., pp. 33, 37, 139, 171.
- Gambier Howe, E.R. J. (1904) *Franks Bequest, Catalogue of British and American Bookplates*, London, British Museum, p. 52.
- Neave, S.A. (1933) *The History of the Entomological Society of London 1833-1933*. London, Published by the Society, p. 79.
- Newman, E. (1859) [regarding Heysham sale specimen of *Heliothis scutosa*] *Zoologist* 17, 6694.
- Sherborn, C.D. (1940) *Where is the ---- Collection? An Account of the Various Natural History Collections Which Have Come Under the Notice of the Compiler between 1880 and 1939*, Cambridge, University Press, p. 69.
- Tutt, J.W. (1897) Sale of Insects, *Entomologist's Record and Journal of Variation* 9, 336.

Heysham's correspondents

Thomas Heysham was an indefatigable correspondent on many subjects of natural history. The table below attempts to list all Heyshams' known correspondents on a wide range of such topics. It also includes the names of book suppliers and publishers but excludes the names of correspondents on household matters, many of whom are mentioned in Hodkinson (2025). The present depositories of letters, where known, are listed, together with further references that mention Heysham's correspondence and correspondents. The largest depository of his letters is the Cumbria Archives (Carlisle) [CA(C)]. Despite the lengthy list, it appears it is probable that many more Heysham's letters were, on his instructions, burnt by his executors (Macpherson 1887). Furthermore, a large collection of letters, written between 1831 and 1846, from Henry Doubleday to Thomas Heysham, appear to have been lost (Allan 1964)

Information on each correspondent was obtained from genealogical databases, particularly the 1841, 1851 and 1861 censuses, and electoral registers, on *Findmypast* (<https://www.findmypast.co.uk/home>), supplemented by the biographical and bibliographic references noted. Some correspondents proved particularly difficult to identify and place with certainty and have been omitted. Others noted in various natural history publications have been incorporated into the list.



Egg of ring ousel collected by Heysham, sent to William Richard Fisher and illustrated by Francis Morris in his *Natural History of the Nests and Eggs of British Birds*.

Surname	Forenames	Address	Date	Depository & code or reference	Notes
Adamson	Charles Murray	Westgate Street, Newcastle-upon-Tyne	1838	CA (C) DHE/1/12	Solicitor, naturalist, bird artist and author of bird books. See Adamson (1879).
Aikin	William Orton	Somersham, Huntingdonshire	1832-1836	CA (C) DHE/1/47	Farmer and amateur ornithologist.
Aikin	William Orton	Somersham, Huntingdonshire	1833	See Frohawk (1842-5)	Farmer and amateur ornithologist. Gives transcript of letter regarding Lepidoptera specimens.
Alder	Joshua	Newcastle-upon-Tyne	1842	CA (C) DHE/1/24	Cheesemonger and specialist on tunicates and molluscs. Associate of Hancock. See Welford, R. (1895) pp. 31-35. Contains adverts for Ronchetti's instruments.
Alder	Joshua	Newcastle-upon-Tyne	1843	CA (C) DHE/1/17	Cheesemonger and specialist on tunicates and molluscs. Associate of Hancock. See Welford, R. (1895) pp. 31-35. Contains adverts for Ronchetti's instruments.
Allinson	Mr.	Carlisle, Cumberland	1842	CA (C) DHE/1/16	Only one in Carlisle in 1841 census was Thomas. a farm labourer.
Allis	Thomas Henry	York, Yorkshire	1832	CA (C) DHE/1/48	Quaker entomologist specialising in Lepidoptera. See Anon (1870). Also interested in ornithology.
Atkinson	George Clayton	Rochester, Northumberland,	1832	CA (C) DHE/1/6	Naturalist, explorer, horticulturist and JP. Interested in the natural history of Scottish islands, Iceland and the Faroes. See Atkinson (2001). Wrote a biography of Thomas Bewick.
Baker	David	Melbourne, Royston and Buntingford, Cambridgeshire	1835	CA (C) DHE/1/37	Watchmaker and amateur ornithologist. Interested in ash coloured harrier.
Barnes	George	Newcastle-upon-Tyne	1842	CA (C) DHE/1/16	Precise identity unclear.
Bartlett	Abraham Dee	London	1838	CA (C) DHE/1/12	Superintendent of Regents Park Zoological Gardens, London. Indulged in taxidermy. See Anon (1897).
Bell	Robert John	Darley Abbey, in city of Derby, Derbyshire	1843	CA (C) DHE/1/17	Surgeon to the workhouse and collector of natural history specimens. Exhibited specimens at Derby Museum.
Bell	Robert John	Darley Abbey, in city of Derby Derbyshire	1844	CA (C) DHE/1/18	Surgeon to the workhouse and collector of natural history specimens. Exhibited specimens at Derby Museum.

Bell	Robert John	Burton upon Trent, Derbyshire	1845	CA (C) DHE/1/19	Surgeon to the workhouse and collector of natural history specimens. Exhibited specimens at Derby Museum.
Bell	Christopher	Nook, Brampton, Cumberland	1843	CA (C) DHE/1/17	Farmer.
Bell	Dr. Richard	Cockermouth, Cumberland	1850- 1854	CA (C) DHE/1/56	Doctor of medicine, apothecary and amateur ornithologist.
Bell	Dr. Richard	Cockermouth, Cumberland	1850	See McPherson & Ferguson (1892) p. xxx-xxxii.	Doctor of medicine, apothecary and amateur ornithologist. Transcript of letter regarding rose-coloured ouzel and an orca.
Benn	Joseph	Lowther Castle, Penrith, Westmorland	1834- 1835	CA (C) DHE/1/26	Agent to Earl of Lonsdale in 1851 census. Regarding dead hawks from the estate.
Bird	Rev. Charles Smith	Burghfield, Reading, Berkshire	1835- 1836	CA (C) DHE/1/27	Cleric, amateur entomologist and lecturer on natural history. See Bird (1864). Regarding insect specimens.
Boone	William	London	1834	CA (C) DHE/1/8	Bookseller.
Borrer	William	Henfield, Sussex	1851- 1852	Cambridge University Library, Alfred Newton Papers, Letters to William Borrer, Add.9839/27/83-94	A widely travelled botanist. See Hodkinson (2024) p. 62 and Smail (1974).
Borrow	John	Alston, Cumberland	1836	CA (C) DHE/1/10	Lead miner. Correspondence about hen harriers.
Borrow	John	Alston, Cumberland	1837	CA (C) DHE/1/11	Lead miner. Correspondence about hen harriers.
Borrow	John	Alston, Cumberland	1839	CA (C) DHE/1/9	Lead miner. Correspondence about hen harriers.
Borrow	John	Alston, Cumberland	1840	CA (C) DHE/1/14	Lead miner. Correspondence about hen harriers.
Borrow	John	Alston, Cumberland	1844	CA (C) DHE/1/18	Lead miner. Correspondence about hen harriers.
Borrow	John	Alston, Cumberland	1845	CA (C) DHE/1/19	Lead miner. Correspondence about hen harriers.
Bree	Rev. William Thomas	Rector of Allesley, Coventry, Warwickshire and Lichfield, Staffordshire	1840	CA (C) DHE/1/14	Clergyman who, with his father of the same name, amassed a large butterfly collection.

Brown	John	Marble Mills, Stone House, Dent, Yorkshire	1831	CA (C) DHE/1/5	Regarding dotterel.
Brown	John	Marble Mills, Stone House, Dent	1831	See Macpherson (1890a) p. 48	Regarding dotterel.
Bushman	John Stevenson	Dumfries, Dumfriesshire	1834	CA (C) DHE/1/28	Physician and medical writer. Later settled in London. Also wrote on ichthyology and natural history. See Anon (1884). Regarding disposal of the Bushman bird collection.
Calverley	Stephen	New York, USA	1846	CA (C) DHE/1/20	Entomologist and botanist. See McPherson & Ferguson (1892) p. xxv and Murray (1909) p.7.
Camm	William	Keswick, Cumberland	1838	CA (C) DHE/1/9	Clogmaker of Crosthwaite, Keswick.
Castle	George	Brampton, Cumberland	1832	CA (C) DHE/1/6	Superintendent of excises in St. Bees in 1841.
Chandler	William Berkeley	Alston, Cumberland	1836	CA (C) DHE/1/10	Gentleman of independent means. Circular regarding a new natural history magazine.
Charlesworth	Edward	London	1838	CA (C) DHE/1/12	Editor of Loudon's <i>Journal of Natural History</i> . Published on fossils of East Anglia. See Markham (1876).
Chirgwin	Edward J.	Penzance, Cornwall	1843	CA (C) DHE/1/17	Natural historian. Donated specimens to Penzance Natural History Society.
Chirgwin	Edward J.	Penzance, Cornwall	1844	CA (C) DHE/1/18	Natural historian. Donated specimens to Penzance Natural History Society.
Chirgwin	Edward J.	Penzance, Cornwall	1843	CA (C) DHE/1/17	Natural historian. Donated specimens to Penzance Natural History Society.
Clayton	Rev. George	Marsh Hadam, Hertfordshire	1832	CA (C) DHE/1/6	Cleric and amateur ornithologist. Regarding little stint.
Clayton	Rev. George	Marsh Hadam, Herts	1832	See Aplin (1889) p. 156	Cleric and amateur ornithologist. Regarding little stint.
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1830	CA (C) DHE/1/4	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then Keeper of Natural History at Warrington Museum. See Hodkinson (2021).
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1831	CA (C) DHE/1/5	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then Keeper of Natural History at Warrington Museum. See Hodkinson (2021).

Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1840	See Murray 1909, p. 7	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then curator at Warrington Museum. See Hodkinson (2021).
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1840	CA (C) DHE/1/14	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then curator at Warrington Museum. See Hodkinson (2021).
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1841	CA (C) DHE/1/15	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then curator at Warrington Museum. See Hodkinson (2021).
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1842	CA (C) DHE/1/16	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then curator at Warrington Museum. See Hodkinson (2021).
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1843	CA (C) DHE/1/17	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then curator at Warrington Museum. See Hodkinson (2021).
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1844	CA (C) DHE/1/18	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then curator at Warrington Museum. See Hodkinson (2021).
Cooper	James	Little Orton, Cumberland, Preston and Warrington, Lancashire	1845	CA (C) DHE/1/19	Important collector of birds and insects for Heysham. Originally a handloom weaver at Little Orton who became a taxidermist in Preston and then curator at Warrington Museum. See Hodkinson (2021).
Cowper	John	Alston, Cumberland	1842	CA (C) DHE/1/16	Mineral dealer, especially in alstonite. See Green, McCallum and Wood (2000) p. 238.
Cuthbert	John	Lambeth, London	1829	CA (C) DHE/1/3	Identity uncertain.

Cuthbert	John	Lambeth, London	1830	CA (C) DHE/1/4	Identity uncertain.
Dale	James Charles	Sherborne, Dorset	1829	CA (C) DHE/1/3	Independent landed proprietor, entomologist and friend of J.F. Stephens. See Anon (1872).
Dale	James Charles	Wootton-Glanville, Dorset	1830	CA (C) DHE/1/4	Independent landed proprietor, entomologist and friend of J.F. Stephens. See Anon (1872).
Dale	James Charles	Wootton-Glanville, Dorset	1831	CA (C) DHE/1/5	Independent landed proprietor, entomologist and friend of J.F. Stephens. See Anon (1872).
Dale	James Charles	Wootton-Glanville, Dorset	1834	CA (C) DHE/1/8	Independent landed proprietor, entomologist and friend of J.F. Stephens. See Anon (1872).
Dale	James Charles	Wootton-Glanville, Dorset	1837	CA (C) DHE/1/11	Independent landed proprietor, entomologist and friend of J.F. Stephens. See Anon (1872).
Dale	James Charles	Wootton-Glanville, Dorset		Murray (1909) p. 7	Independent landed proprietor, entomologist and friend of J.F. Stephens. See Anon (1872). Mentions correspondence.
Denny	Henry	Leeds, Yorkshire	1840	CA (C) DHE/1/14	Professional curator of Leeds Museum for 45 years. Entomologist specialising in Pselaphidae and Anoplura. See Stephen (1888).
Denny	Henry	Leeds, Yorkshire	1841	CA (C) DHE/1/15	Professional curator of Leeds Museum for 45 years. Entomologist specialising in Pselaphidae and Anoplura. See Stephen (1888).
Denny	Henry	Leeds, Yorkshire	1842	CA (C) DHE/1/16	Professional curator of Leeds Museum for 45 years. Entomologist specialising in Pselaphidae and Anoplura. See Stephen (1888).
Denny	Henry	Leeds, Yorkshire	1843	CA (C) DHE/1/17	Professional curator of Leeds Museum for 45 years. Entomologist specialising in Pselaphidae and Anoplura. See Stephen (1888).
Denny	Henry	Leeds, Yorkshire	1946	CA (C) DHE/1/20	Professional curator of Leeds Museum for 45 years. Entomologist specialising in Pselaphidae and Anoplura. See Stephen (1888).
Devignes	Thomas	London	1842	CA (C) DHE/1/16	Entomologist who catalogued Hymenoptera. See Anon (1868).
Dodgson	Rev. William Jacob Thomas	Arksey, Doncaster	1842	CA (C) DHE/1/16	Clergyman and amateur naturalist who later went to British Guiana, where he died.
Doubleday	Edward	Epping, Essex	1832	CA (C) DHE/1/6	Lepidopterist brother of Henry Doubleday. Died young. See Mays (1978).
Doubleday	Henry	Epping, Essex	1831-1846	Christy (1890) pp. 14-17, 73, 75, 77, 78, 82, 98, 114, 126, 293	Entomologist and ornithologist, brother of Edward Doubleday. See Dunning (1877) and Mays (1978). Many letters now appear lost. Mentions many letters and gives transcripts.
Doubleday	Henry	Epping, Essex	1834	McPherson & Ferguson (1892) p. xxvi.	Entomologist and ornithologist, brother of Edward Doubleday. See Dunning (1877) and Mays (1978). Many letters now appear lost. Gives letter transcript.
Doubleday	Henry	Epping, Essex	1836	Cole (1891) pp. 101-102.	Entomologist and ornithologist, brother of Edward Doubleday. See Dunning (1877) and Mays (1978). Many letters now appear lost. Regarding letter about green hairstreak butterfly.

Doubleday	Henry		1836-1839	Stevenson (1870) pp. 156, 247 and (1890) 296.	Entomologist and ornithologist, brother of Edward Doubleday. See Dunning (1877) and Mays (1978). Many letters now appear lost. Gives transcript of letters relating to birds.
Doubleday	Henry	Epping, Essex	1837	McPherson & Ferguson (1892) p. xxvi-xxvii.	Entomologist and ornithologist, brother of Edward Doubleday. See Dunning (1877) and Mays (1978). Many letters now appear lost. Gives letter transcript.
Doubleday	Henry	Epping, Essex	1841	CA (C) DHE/1/15	Entomologist and ornithologist, brother of Edward Doubleday. See Dunning (1877) and Mays (1978). Many letters now appear lost.
Doubleday	Henry	Epping, Essex	1841	Wilkinson (1966) p. 5-6 and Allen (1965) p. 119	Entomologist and ornithologist, brother of Edward Doubleday. See Dunning (1877) and Mays (1978). Many letters now appear lost. Snippets about sugaring trees for moths.
Douglas	Robert Kelly	Dumfries, Scotland	1834	CA (C) DHE/1/28	Editor of Dumfries Times. Regarding disposal of John S. Bushman's bird collection.
Drew	William	Devenport	1830-1832	CA (C) DHE/1/29	Amateur ornithologist and taxidermist. Regarding the purchase of stuffed birds.
Duckworth	William	Probably of Carlisle and then Ulverston, Cumbria	undated	McPherson & Ferguson (1892) p. xxix.	Mention of letter re. whorled caraway. See Hodkinson (2024), pp. 48 and 102.
Dulau & Co		Old Bond Street, London	1832	CA (C) DHE/1/6	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1831	CA (C) DHE/1/5	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1829	CA (C) DHE/1/3	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1828	CA (C) DHE/1/2	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1830	CA (C) DHE/1/4	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1841	CA (C) DHE/1/15	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1844	CA (C) DHE/1/18	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1840	CA (C) DHE/1/14	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1833	CA (C) DHE/1/7	Booksellers. See Dulau and Company (undated).
Dulau & Co		Old Bond Street, London	1828-1848	CA (C) DHE/1/30	Bookseller. See Dulau and Company (undated).

Dulau & Sons		Old Bond Street, London	1834	CA (C) DHE/1/8	Bookseller. See Dulau and Company (undated).
Dunn	Robert	Hull	1834- 1844	CA (C) DHE/1/49	Ornithologist, taxidermist and dealer who collected in Orkney and Shetland. See also McPherson & Ferguson (1892) p. xxvii and Williams (2012). Gifted great auk egg to Scarborough Museum. Offered 2 great auk skins to Heysham but they sold for a higher price elsewhere.
Dunn	Robert	Hull	1844	See Williams (2020) p. 158	Ornithologist, taxidermist and dealer who collected in Orkney and Shetland. See also McPherson & Ferguson (1892) p. xxvii and Williams (2012). Gifted great auk egg to Scarborough Museum. Offered 2 great auk skins to Heysham but they sold for a higher price elsewhere. Gives transcript of letter regarding eagles.
Dunn	Robert	Hull	1844	See Buckley and Harvie-Brown (1891) pp.145-146	Ornithologist, taxidermist and dealer who collected in Orkney and Shetland. See also McPherson & Ferguson (1892) p. xxvii and Williams (2012). Gifted great auk egg to Scarborough Museum. Offered 2 great auk skins to Heysham but they sold for a higher price elsewhere. Contains snippets regarding eagles.
Egerton (dec.)	Thomas	Charing Cross, London	1834-5	CA (C) DHE/1/14	Book publisher. Regarding the purchase of books from his estate.
Farr	Henry F.	Norwich, later Bath and Hull.	1843	CA (C) DHE/1/17	Amateur lepidopterist who published several notes on moths in the <i>Zoologist</i> vol. 1.
Farr	Henry F.	Norwich, later Bath and Hull.	1844	CA (C) DHE/1/18	Amateur lepidopterist who published several notes on moths in the <i>Zoologist</i> vol. 1.
Fisher	William Richard	Great Yarmouth, Norfolk	1842	CA (C) DHE/1/16	Barrister by profession, naturalist and birds' eggs illustrator. See Slater (2019) and Mullens and Kirke Swann (1917), p. 208.
Fisher	William Richard	Great Yarmouth, Norfolk	1843	CA (C) DHE/1/17	Barrister by profession, naturalist and birds' eggs illustrator. See Slater (2019) and Mullens and Kirke Swann (1917), p. 208.
Fisher	William Richard	Great Yarmouth, Norfolk	undated	See Morris (1853b) p. 49	Barrister by profession, naturalist and birds' eggs illustrator. See Slater (2019). and Mullens and Kirke Swann (1917), p. 208. Regarding ring ousel egg.
Forster	Robert	Nicholforest, Cumberland	1830	CA (C) DHE/1/4	Robert Jr. and Robert Snr were both farmers at Nicholforest.
Forster	Robert	Nicholforest, Cumberland	1831	CA (C) DHE/1/5	Robert Jr. and Robert Snr were both farmers at Nicholforest.
Godwin	James	Suffolk	1834- 1843	Orkney Library and Archives , D1/159	Correspondence about bird and insect life on Orkney.
Gough	Thomas	Kendal, Westmorland	1843	CA (C) DHE/1/17	Physician and amateur naturalist son of John Gough, 'the blind philosopher'. See Pearson and Hodkinson (2021) pp. 115-127.

Gould	John	London	1833-1841	CA (C) DHE/1/50	Ornithologist and author. See McPherson & Ferguson (1892) p. xxvi and Sauer (1982). Regarding supply of bird books.
Gould	John	London	undated	Gould (1873) unpaginated	Ornithologist and author. See McPherson & Ferguson (1892) p. xxvi and Sauer (1982). Part transcription regarding dotterel.
Graham	William	Bampton, Westmorland	1839	CA (C) DHE/1/31	Gamekeeper.
Graham	William	Bampton, Westmorland	1840	CA (C) DHE/1/14	Gamekeeper.
Gray	Lucius	Sleaford, Lincolnshire and then Haceby, Grantham, Lincolnshire	1838	CA (C) DHE/1/12	Ornithologist, part-time taxidermist, and artist in the 1841 census. Noted for his record of a nutcracker in Lincolnshire.
Gray	James	Shoreditch, London	1831-1834	CA (C) DHE/1/32	Artificial eye maker in 1841 census. Regarding supply of artificial eyes for stuffed birds.
Greenland	A.	London	1829	CA (C) DHE/1/3	Bookseller.
Greenwell	Blackett	Alston, Cumberland	1842	CA (C) DHE/1/16	Farmer, provider of rare birds, and taxidermist. Regarding ornithology and the supply of insect specimens.
Greenwell	Blackett	Alston, Cumberland	1841	CA (C) DHE/1/15	Farmer, provider of rare birds, and taxidermist. Regarding ornithology and the supply of insect specimens.
Greenwell	Blackett	Alston, Cumberland	1843	CA (C) DHE/1/17	Farmer, provider of rare birds, and taxidermist. Regarding ornithology and the supply of insect specimens.
Greenwell	Blackett	Alston, Cumberland	1840-1842	CA (C) DHE/1/33	Farmer, provider of rare birds, and taxidermist. Regarding ornithology and the supply of insect specimens.
Greenwell	Blackett	Alston, Cumberland	1841	See Macpherson (1890a) p. 48 and Wilson (1901) pp. 191 and 195	Farmer, provider of rare birds, and taxidermist. Snippet regarding storm petrel.
Gurney (senior)	John Henry	Easton, Norfolk	1836-1848	CA (C) DHE/1/51	Banker, farmer and amateur ornithologist. Father of J.H. Gurney Jr. See McPherson & Ferguson (1892) p. xxvi and Newton (1909a) p. 95.
Hancock	John	Newcastle-upon-Tyne, Northumberland	1833-1840	CA (C) DHE/1/52	Naturalist ornithologist and taxidermist. See McPherson & Ferguson (1892) p. xxvi. See also Goddard (1929). Regarding re. ornithology.
Harris	Joseph William	Papcastle then Little Broughton, Cumberland	1842	CA (C) DHE/1/16	Flax spinner, linen manufacturer and stuffed bird collector.

Harris	Joseph William	Papcastle then Little Broughton, Cumberland	undated	See McPherson & Ferguson (1892) p. xxx.	Flax spinner, linen manufacturer and stuffed bird collector. Mentions letter concerning rose-coloured ouzel.
Harrison	James	Hensol Castle, Glamorgan?	1833-1834	CA (C) DHE/1/34	Possibly of Harrison and Co., publisher, London. Regarding ornithology.
Harrison	James	Hensol Castle, Glamorgan?	1833	CA (C) DHE/1/7	Possibly of Harrison and Co., publisher, London. Regarding ornithology.
Hewitson	William Chapman	Newcastle-upon-Tyne, Northumberland and then Oatlands Surrey	1829-1835	CA (C) DHE/1/53	Gentleman naturalist who published widely on entomology and ornithology. See McPherson & Ferguson (1892) p. xxvi and Newton (1909b).
Hewitson	William Chapman	Newcastle-upon-Tyne, Northumberland and then Oatlands Surrey	undated	Morris (1853a) p. 62	Gentleman naturalist who published widely on entomology and ornithology. Mentions letter regarding blue tits. See also McPherson & Ferguson (1892) p. xxvi and Newton (1909b).
Hodgkinson	John Barlow.	Preston, Lancashire	undated	Thornley (1859) p. 136	Made his money as proprietor of Penwortham Cotton Mill before retiring to follow his passion for entomology. See also Anon (1895).
Hodgson	Isaac	Corney, Cumberland	1844-1846	CA (C) DHE/1/20	Man of independent means.
Hodgson	Joseph?	Corney, Cumberland	1843		Farmer.
Hodgson	J.	London	1834	CA (C) DHE/1/8	Identity uncertain.
Hooker	Joseph Dalton	Kew, London	1836	CA (C) DHE/1/10	Explorer who later became Director of the Royal Botanic Garden, Kew, following his father in that position. See Desmond (2006). Regarding insect specimens etc.
Hooker	Joseph Dalton	Kew, London	1835-1837	CA (C) DHE/1/38	Explorer who later became Director of the Royal Botanic Garden, Kew, following his father in that position. See Desmond (2006). Regarding insect specimens etc.
Hooker	Sir William Jackson	Glasgow and then Kew, London	1835-1837	CA (C) DHE/1/38	Regius Professor of Botany in Glasgow and Director of the Royal Botanic Garden, Kew. See also Hooker, J.D. (1902).
Hooker	Sir William Jackson	Glasgow and then Kew, London	1841, 26 April	Royal Botanic Gardens, Kew Archive, DC/16/195	Regius Professor of Botany in Glasgow and Director of the Royal Botanic Garden, Kew. See also Hooker, J.D. (1902). Heysham thanks Hooker for services rendered.

Hooker	Sir William Jackson	Glasgow and then Kew, London	1841, 18 April	Royal Botanic Gardens, Kew Archive, DC/16/193	Regius Professor of Botany in Glasgow and Director of the Royal Botanic Garden, Kew. See also Hooker, J.D. (1902). Heysham wishes to obtain books on mosses.
Hooker	Sir William Jackson	Glasgow and then Kew, London	undated	See McPherson & Ferguson (1892) p. xxix.	Regius Professor of Botany in Glasgow and Director of the Royal Botanic Garden, Kew. See also Hooker, J.D. (1902). Mentions letter about whorled caraway.
Hunter	Christopher	Downham, Norfolk	1845	CAS (C) DHE/1/19	Surgeon with a penchant for shooting. Appears to have feasted with others on the produce of his gun, including 'rarities'. See Anon (1830).
Hunter	Christopher	Downham, Norfolk	1846	CAS (C) DHE/1/20	Surgeon with a penchant for shooting. Appears to have feasted with others on the produce of his gun, including 'rarities'. See Anon (1830).
Ibbotson	Henry	Whitwell in north Yorkshire	1844	CA (C) DHE/1/18	Botanist and schoolmaster at Mowthorpe, Yorkshire. See Desmond (1994), p. 372.
Jackson	Clement	East Looe, Cornwall	1833	CA (C) DHE/1/7	Pharmacist, naturalist and friend of Jonathan Crouch, published short notes on birds, mammals and sticklebacks in <i>The Naturalist</i> .
Jardine	Sir William	Jardine Hall near Lockerbie, Dumfries and Galloway	1836	CA (C) DHE/1/10	Gentleman and amateur naturalist. Author and editor of the multivolume <i>The Naturalist's Library</i> , covering ornithology, ichthyology, botany and palaeontology. See Jackson and Davis (2001).
Jardine	Sir William	Jardine Hall near Lockerbie, Dumfries and Galloway	1836	CA (C) DHE/1/39	Gentleman and amateur naturalist. Editor of <i>The Naturalists's Library</i> covering ornithology, ichthyology, botany and palaeontology. See Jackson and Davis (2001). Regarding zoology & botany & specimen exchange.
Jardine	Sir William	Jardine Hall near Lockerbie, Dumfries and Galloway		Murray (1909) p.7-8	Gentleman and amateur naturalist. Editor of <i>The Naturalists's Library</i> covering ornithology, ichthyology, botany and palaeontology. See Jackson and Davis (2001). Regarding zoology & botany & specimen exchange Mentions correspondence.
Lenthall	Edmund H.	Fulham Lodge & Lincoln's Inn, London	1829-1835	CA (C) DHE/1/40	Attorney and amateur ornithologist.
Little	Rev. William	Moffat, Dumfrieshire	1841	CA (C) DHE/1/15	Vicar and amateur entomologist. See Hancock <i>et al.</i> (2009), pp. 13-14.
Little	Rev. William	Moffat, Dumfrieshire	1843	CA (C) DHE/1/17	Vicar and amateur entomologist. See Hancock <i>et al.</i> (2009), pp. 13-14.
Little	Rev. William	Moffat, Dumfrieshire		See Murray (1909) p.7	Vicar and amateur entomologist. See Hancock <i>et al.</i> (2009) pp. 13-14. Refers to voluminous correspondence.
Lizars	William Home	Edinburgh	1833	CA (C) DHE/1/7	Engraver and printer. See Cust (1893). Introduced John Audubon to sponsors, commissioned his portrait.

Losh	The Misses	Wreay, near Carlisle, Cumberland	1829	CAS (C) DHE/1/3	Sarah and Katherine were unmarried sisters living on inherited wealth at Woodside. The highly original Wreay church was rebuilt to commemorate Katherine. See Uglow (2012).
Loudon	John Claudius	Bayswater, London	1836	CA (C) DHE/1/10	Scottish born botanist, landscape designer and author. See Anon (1844).
Luke	?	York, Yorkshire	1841	See Murray (1909) p. 6	Regarding molluscs.
MacLean,	Dr. Allan	Colchester, Essex		See Christy (1890) pp. 26, 27, 85, 90, 100, 293	Physician, amateur ornithologist and entomologist. Several mentions some referring to 'spiders nets' for catching birds. See Newman (1869).
Marshall	James Drummond	Belfast	1831-1834	CA (C) DHE/1/54	Belfast doctor, amateur ornithologist and natural historian who also acted as agent for perfumery and patent medicines. See Marshall (1837).
Morris	Rev. Francis Orpen	Then ar Kearby with Netherby, Yorkshire	undated	See Morris (1853) p. 71	Irish clergyman who migrated to England. Amateur entomologist and ornithologist and author of books on natural history. Snippet refers to pied flycatcher.
Moxon	Charles St. Denys	London	1844	CA (C) DHE/1/18	Later curate of Welbourne Mitford, Norfolk in 1851 census. Editor of <i>The Geologist</i> .
Mummery	Stephen	Margate, Kent	1841	CA (C) DHE/1/15	'Ornithologist' in the 1841 census. Naturalist who presented rare specimens to Margate Museum but whose honesty has been questioned.
Newman	Edward	Peckham, London	1842	CA (C) DHE/1/16	Entomologist, botanist, editor, author and publisher of a wide range of works in natural history. See Newman (1876).
Newman	Edward	Peckham, London	1842	See McPherson & Ferguson (1892) p. xxvi.	Entomologist, botanist, editor, author and publisher of a wide range of works in natural history. See Newman (1876). Letter requesting a table of bird migrations.
Newton	Alfred	Cambridge	1854	Cambridge University Library, Alfred Newton Papers, Letters to Alfred Newton, Add.9839/IH/627-631	Ornithologist and later Professor of Zoology and Comparative Anatomy at Cambridge University. Author of the treatise on birds' eggs, <i>Ootheca Wooleyana</i> . See Wollaston (1921).
Parsons	Christopher	Bowater Farm, East Tilbury, Essex		See Christy (1890) p. 28.	Mentions correspondence.
Pattinson	David	Liverpool	1832	CA (C) DHE/1/41	Farmer of 600 acres in 1851 census. Regarding the supply of bird skins, including spotted sandpiper.
Pickering	J.		1843	See Murray (1909) p. 9	Regarding snails from the Isle of Man.
Preston Institute		Preston, Lancashire	1845	CA (C) DHE/1/9	Catalogue of insects in Preston Institution.
Prince	Edwin C.	London, St James, Westminster	1838	CA (C) DHE/1/12	Ornithologist and egg dealer. Long-term secretary and editorial assistant to John Gould. See Hindwood (2016).
Proctor	William	Durham University Museum	1839	CA (C) DHE/1/13	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham.

Proctor	William	Durham University Museum	1839	See Aplin (1889), p. 97	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham. Letter mentioning common crossbill.
Proctor	William	Durham University Museum	1840	CA (C) DHE/1/14	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham.
Proctor	William	Durham University Museum	1840	See McPherson & Ferguson (1892), p. xxvii	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham. Concerning the offer of a great auk egg.
Proctor	William	Durham University Museum	1841	See McPherson & Ferguson (1892), p. xxvi-xxvii	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham Transcript of a letter on ornithology.
Proctor	William	Durham University Museum	1841	CA (C) DHE/1/15	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham.
Proctor	William	Durham University Museum	1842	CA (C) DHE/1/16	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham.
Proctor	William	Durham University Museum	1843	CA (C) DHE/1/17	taxidermist "bird and animal preserver" in 1851 census listed the birds insects and plants of Co. Durham.
Proctor	William	Durham University Museum	1844	CA (C) DHE/1/18	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham.
Proctor	William	Durham University Museum	1845	CA (C) DHE/1/19	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham.
Proctor,	William	Durham University Museum	1846	CA (C) DHE/1/20	Museum taxidermist. Bird and animal preserver in the 1851 census. Published lists of the birds, insects and plants of Co. Durham.
Ralfs	John	Penzance, Cornwall	1841	CA (C) DHE/1/15	Gentleman of independent means. Amateur botanist specialising in ferns, diatoms and desmids. Originally a qualified surgeon who ceased practice to live in Cornwall for the sake of his health. See Groves and Groves (1890).
Ralph (=Ralfs)	John	Ilfracombe, Devon	1843	CA (C) DHE/1/17	Gentleman of independent means. Amateur botanist specialising in ferns, diatoms and desmids. Originally a qualified surgeon who ceased practice to live in Cornwall for the sake of his health. See Groves and Groves (1890). Contributed botany section to a guide to Ilfracombe.
Reeve Bros.		London	1845	CA (C) DHE/1/19	Publishers of <i>Curtis's Botanical Magazine</i> and a wide range of other natural history offerings.
Reid	Hugh	Doncaster Museum, Yorkshire	1842	CA (C) DHE/1/16	Ornithologist and naturalist at Doncaster Museum. Noted for collecting specimens of rare birds including avocets and the first British buff breasted sandpiper.

Reynolds	J.G.R.	Thetford, Norfolk	1838	CA (C) DHE/1/12	Naturalist and bird collector of independent means. Later, as a widower, he moved to Liverpool and his sold bird collection at auction in 1861.
Reynolds	J.G.R.	Thetford, Norfolk	1840	CA (C) DHE/1/14	Naturalist and bird collector of independent means. Later, as a widower, he moved to Liverpool and his sold bird collection at auction in 1861.
Reynolds	Robert	Thetford, Norfolk	1845	CA (C) DHE/1/19	Naturalist and bird collector of independent means. Later, as a widower, he moved to Liverpool and his sold bird collection at auction in 1861.
Reynolds	Robert	Thetford, Norfolk	1846	CA (C) DHE/1/20	Naturalist and bird collector of independent means. Later, as a widower, he moved to Liverpool and his sold bird collection at auction in 1861.
Rouk[en]	John G.	London	1840	CA (C) DHE/1/14	Possibly Roake & Varty, publishers in the Strand.
Roaken	John G.		1841	CA (C) DHE/1/15	Possibly Roake & Varty, publishers in the Strand.
Rouken	John G.H.		1842	CA (C) DHE/1/16	Possibly Roake & Varty, publishers in the Strand.
Robinson	John	Stone House, Dent	1831-1832	See Nelson (1907), pp. 570-572 and Macpherson (1890b), pp. 95-96	Refer to correspondence regarding dotterel.
Robinson	John	Caldbeck	1832-1833	CA (C) DHE/1/42	Three possibilities in Caldbeck in the 1841 census - 2 millers and 1 copper ore masher. Regarding the supply of dotterels, eggs and nests.
Rowland	Miss E.H.	Carlisle	1836	CA (C) DHE/1/43	Possibly the unmarried daughter of Thomas Rowland, farmer of Stoneraise, Wigton. She is the only E. Rowland within 20 miles of Carlisle in the 1841 and 1851 censuses. Regarding the supply of plant specimens.
Rudd	Rev. George Thomas	London (curate of Kimpton Hampshire 1821-34)	1829	CA (C) DHE/1/3	Cleric and amateur entomologist who contributed specimens to Stephens' <i>Illustrations of British Entomology</i> and Walker's <i>Monographia Chalciditum</i> . He was, however, critical of Stephens' approach. Also published several notes on Coleoptera and Lepidoptera. See Rudd (1836).
Rudd	Rev. George Thomas	curate of Kimpton Hampshire 1821-33	1830	CA (C) DHE/1/4	Cleric and amateur entomologist who contributed specimens to Stephens' <i>Illustrations of British Entomology</i> and Walker's <i>Monographia Chalciditum</i> . He was, however, critical of Stephens' approach. Also published several notes on Coleoptera and Lepidoptera. See Rudd (1836).
Rudd	Rev. George Thomas	curate of Kimpton Hampshire 1821-32	1831	CA (C) DHE/1/5	Cleric and amateur entomologist who contributed specimens to Stephens' <i>Illustrations of British Entomology</i> and Walker's <i>Monographia Chalciditum</i> . He was, however, critical of Stephens. approach. Also published several notes on Coleoptera and Lepidoptera. See Rudd (1836).
Rudd	Rev. George Thomas	various places	1836	CA (C) DHE/1/10	Cleric and amateur entomologist who contributed specimens to Stephens' <i>Illustrations of British Entomology</i> and Walker's

					<i>Monographia Chalciditum</i> . He was, however, critical of Stephens' approach. Also published several notes on Coleoptera and Lepidoptera. See Rudd (1836).
Rudd	Rev. George Thomas	Vicar of Sockburn, North Yorkshire	1844	CA (C) DHE/1/9	Cleric and amateur entomologist who contributed specimens to Stephens' <i>Illustrations of British Entomology</i> and Walker's <i>Monographia Chalciditum</i> . He was, however, critical of Stephens' approach. Also published several notes on Coleoptera and Lepidoptera. See Rudd (1836).
Rudd	Rev. George Thomas			See Murray (1909), p.7-8	Cleric and amateur entomologist who contributed specimens to Stephens' <i>Illustrations of British Entomology</i> and Walker's <i>Monographia Chalciditum</i> . He was, however, critical of Stephens' approach. Also published several notes on Coleoptera and Lepidoptera. See Rudd (1836). Mentions correspondence.
Scales	John	Swaffham, Norfolk	1843	CA (C) DHE/1/9	Farmer and Principal of the Royal Agricultural College 1844-1851. Owner of great auk and great bustard eggs. See Newton, A. (1884).
Scales	John	Swaffham, Norfolk	1831-32	Cambridge University Library, Alfred Newton Papers, Letters to John Scales, Add.9839/21/22	Farmer and Principal of the Royal Agricultural College 1844-1851. Owner of great auk and great bustard eggs. See Newton, A. (1884).
Scott	J.J.		1842	CA (C) DHE/1/16	Identity unclear but unlikely to be John Scott entomologist (b.1823 in Morpeth) who worked on Hemiptera
Sheppard	Edmund Frederic	Ipswich, Norfolk	1830s - 1840s	Stromness Museum 1986.032 and See Godwin, J. (1986)	Son of the naturalist Rev. Revett Shepherd of Wrabness, Essex. A solicitor by training. An amateur ornithologist with a particular interest in the birds of in Orkney, living in Stromness at the 1841 census. Gives details of Stromness and Hoy, describing egg collecting, especially those of eagles.
Sheppard	Edmund Frederic	Ipswich, Norfolk	1834-1845	CA (C) DHE/1/55	Son of the naturalist Rev. Revett Shepherd of Wrabness, Essex. A solicitor by training. An amateur ornithologist with a particular interest in the birds of in Orkney, living in Stromness at the 1841 census. Gives details of Stromness and Hoy, describing egg collecting, especially those of eagles.
Sheppard	Edmund Frederic	Ipswich, Norfolk	1836	See Christy (1890) pp. 168, 293.	Son of the naturalist Rev. Revett Shepherd of Wrabness, Essex. A solicitor by training. An amateur ornithologist with a particular interest in the birds of in Orkney, living in Stromness at the 1841 census. Gives details of Stromness and Hoy, describing egg collecting, especially those of eagles. Gives transcript of letter regarding Orkney birds

Sheppard	Edmund Frederic	Stromness, Orkney	Undated and 1840	See Buckley and Harvie-Brown (1891), pp. 133, 138	Son of the naturalist Rev. Revett Shepherd of Wrabness, Essex. A solicitor by training. An amateur ornithologist with a particular interest in the birds of in Orkney, living in Stromness at the 1841 census. Gives details of Stromness and Hoy, describing egg collecting, especially those of eagles. Gives snippets of correspondence regarding a roller and a snowy owl on Orkney.
Shuckard	William Edward	London	1827	CA (C) DHE/1/1	Librarian to the Royal Society until 1843 when he was declared bankrupt. Entomologist with a particular interest in Hymenoptera. See Hall (1992) p. 29 and Anon (1868b).
Standish	Benjamin	Camberwell, London	1841	CA (C) DHE/1/15	Property owner of independent means. Entomologist and insect collector. See E Newman (1866).
Stevens	Samuel	Covent Garden, London	1841	CA (C) DHE/1/15	Entomological collector, natural history agent and auction promoter with auction rooms on King Street. Brother and partner of J.C. Stevens. See Anon (1899) and Allingham (2024).
Stevens	Samuel	Covent Garden, London	1842	CA (C) DHE/1/16	Entomological collector, natural history agent and auction promoter with auction rooms on King Street. Brother and partner of J.C. Stevens. See Anon (1899) and Allingham (2024).
Stevens	Samuel	Covent Garden, London	1841-1843	CA (C) DHE/1/44	Entomological collector, natural history agent and auction promoter with auction rooms on King Street. Brother and partner of J.C. Stevens. See Anon (1899) and Allingham (2024). Regarding exchange of insect specimens.
Stevens	Samuel	Covent Garden, London	1843	CA (C) DHE/1/17	Entomological collector, natural history agent and auction promoter with auction rooms on King Street. Brother and partner of J.C. Stevens. See Anon (1899) and Allingham (2024).
Sweet	R.	London	1829	CA (C) DHE/1/3	Most probably Robert Sweet who wrote books on garden flowers and warblers. See for example Sweet (1823).
Taylor	Thomas	Headswood, Irthington, Cumberland	1846	CA (C) DHE/1/20	Farmer of 45 acres at Heads Wood farm in 1851 census, a farm on Hadrian's Wall near Irthington. Bird recorder.
Taylor	Thomas	Headswood, Irthington, Cumberland	1845	CA (C) DHE/1/19	Farmer of 45 acres at Heads Wood farm in 1851 census, a farm on Hadrian's Wall near Irthington. Bird recorder.
Thomson	George		1846	CA (C) DHE/1/20	Probably the botanist and architect of Glasgow. Went to West Africa in 1870.
Thornton	Rev. John	Northampton	1842	CA (C) DHE/1/16	Clergyman, amateur entomologist and commercial natural history slide maker. See B. Stevenson (2012).

Tuke	James Hack	York	1842	CA (C) DHE/1/16	Tea dealer, quaker, amateur ornithologist and philanthropist. Visited Ireland and raised money for famine relief. See Fry (1899). Gives notes on birds.
Tuke	James H.	York	1844	CA (C) DHE/1/18	Tea dealer, quaker, amateur ornithologist and philanthropist. Visited Ireland and raised money for famine relief. See Fry (1899). Gives notes on birds.
Unknown		Monmouthshire	1837	See Mathew (1890) p. 51	Regarding specimen of red kite.
Wailes	George	Newcastle	1829	CA (C) DHE/1/62	Solicitor by profession. Prolific amateur entomologist and horticulturalist, with a special interest in Arctic-alpines and orchids. See Jessop (2018).
Wailes	George	Newcastle	1830	CA (C) DHE/1/4	Solicitor by profession. Prolific amateur entomologist and horticulturalist, with a special interest in Arctic-alpines and orchids. See Jessop (2018).
Wailes	George	Newcastle	1831	CA (C) DHE/1/5	Solicitor by profession. Prolific amateur entomologist and horticulturalist, with a special interest in Arctic-alpines and orchids. See Jessop (2018).
Wailes	George	Newcastle	1833	CA (C) DHE/1/7	Solicitor by profession. Prolific amateur entomologist and horticulturalist, with a special interest in Arctic-alpines and orchids. See Jessop (2018).
Wailes	George	Newcastle	1842	CA (C) DHE/1/9	Solicitor by profession. Prolific amateur entomologist and horticulturalist with a special interest in Arctic-alpines and orchids. See Jessop (2018).
Wailes	George	Newcastle		See Murray (1909), p. 7	Solicitor by profession. Prolific amateur entomologist and horticulturalist, with a special interest in Arctic-alpines and orchids. See Jessop (2018). Mention of correspondence.
Wollaston	Initial unclear	London	1844	CAS (C) DHE/1/18	Might be Thomas Vernon Wollaston the entomologist and malacologist? See Anon (1878).
Wallace,	Joseph Ritson	Isle of Man	1846	CA (C) DHE/1/20	Museum proprietor and collector of birds. Moved his private museum to Distington near Whitehaven, Cumberland. See Hodkinson (2024), p. 20.
Walton	John	Knaresborough	1840	CA (C) DHE/1/9	Amateur entomologist originating from Knaresborough to where he later returned after working in London. Specialised in weevils. See Hodkinson (2022).
Walton	John	Islington, London	1841	CA (C) DHE/1/15	Amateur entomologist originating from Knaresborough to where he later returned after working in London. Specialised in weevils. See Hodkinson (2022).

Walton	John	Islington, London	1842	CA (C) DHE/1/16	Amateur entomologist originating from Knaresborough to where he later returned after working in London. Specialised in weevils. See Hodkinson (2022),
Walton	John	Islington, London	1843	CA (C) DHE/1/17	Amateur entomologist originating from Knaresborough to where he later returned after working in London. Specialised in weevils. See Hodkinson (2022),
Walton	John	Islington, London	1844	CA (C) DHE/1/18	Amateur entomologist originating from Knaresborough to where he later returned after working in London. Specialised in weevils. See Hodkinson (2022),
Walton	John	Islington, London	1844-1852	See Walton (1844), p. 87, (1845), p. 226, (1848), p. 169 and (1852), p. 205. Also Murray (1909),. p. 7-8	Amateur entomologist originating from Knaresborough to where he later returned after working in London. Specialised in weevils. See Hodkinson (2022). Several papers mention receiving material from Heysham
Walton	Michael	Greenhead, near Haltwhistle, Northumberland	1840	CA (C) DHE/1/14	Farmer at Lonning Side in 1841 census. Bird recorder.
Warwick	John Edington	London	1846	CA (C) DHE/1/20	Professional naturalist who wrote about giraffes and orang utans, and collected birds. See for example Warwick (1836).
Waterhaven (sic) (?Waterhouse)	George Robert	London	1841	CA (C) DHE/1/15	Naturalist and curator of the British Museum and Zoological Society of London. Earlier curator in Liverpool Museum 1835-36. See Waterhouse (1888).
Weaver	Richard	Birmingham Museum	1831-1833	CA (C) DHE/1/45	Lepidopterist, private museum operator and professional specimen collector. See Wallace (1832). Regarding the exchange of insect and bird specimens.
Yarrell	William	Great Ryder Street, London		See McPherson & Ferguson (1892) p. xxvi.	Zoologist, prolific author, bookseller and naturalist. See Jackson (2021). Mentions many letters regarding birds.
Yarrell	William	Great Ryder Street, London	1831-1839	See Yarrell (1839, 1843a,b, 1855, 1859)	Zoologist, prolific author, bookseller and naturalist. See Jackson (2021). Many mentions throughout his monographs on birds and fishes. Includes letter on pied flycatcher.

References

- Adamson, C.M. (1879) *Sundry Natural History Scraps, More Especially about Birds*, Newcastle-upon-Tyne, J. Bell.
- Allan, P.B.M. (1964) Doubleday letters, *Entomologist's Record and Journal of Variation* 76. See unpaginated Exchange and Wants.
- Allen, D.E. (1965) The origin of sugaring, *Entomologist's Record and Journal of Variation* 77, 117-121.
- Allingham, E.G. (1924) *A Romance of the Rostrum, Being the Business Life of Henry Stevens and the History of Thirty-eight King Street, Together with Some Account of Famous Sales Held There During the Last Hundred Years*, London, H.F. & G. Witherby.
- Anon (1830) Untitled account of shooting party and feast, *Cambridge Chronicle and Journal*, 3 December, p. 2.
- Anon (1844) Obituary - J.C. Loudon, *Annals and Magazine of Natural History* 13, 78-80.
- Anon (1868a) Death of Thomas Desvignes, Esq., *Entomologist's Monthly Magazine* 5, 25-26.
- Anon (1868b) Death of Mr. Shuckard, *Entomologist* 4, 180-182.
- Anon (1870) Obituary - Thomas Henry Allis, *Entomologist's Monthly Magazine* 76, 90-91.
- Anon (1872) Obituary – James Charles Dale M.S., F.L.S., *Entomologist's Monthly Magazine* 8, 255-256.
- Anon (1878) Obituary – Thomas Vernon Wollaston, *Entomologist* 11, 43-46.
- Anon (1884) Bushnan, John Stevenson (1808?-1884), *Medical Times and Gazette*, 8 March, p. 339.
- Anon (1895) Our local public men - Mr J.B. Hodgkinson, *Preston Herald*, 20 June 1895, 9.
- Anon (1897) Obituary – Abraham Dee Bartlett, *Zoologist* 1897, 267-268.
- Anon (1899) Samuel Stevens F.L.S., F.E.S., *Entomologist's Monthly Magazine* 35, 238-239.
- Aplin, O.V. (1889) *The Birds of Oxfordshire*, Oxford, Clarendon Press.
- Atkinson, G.C. (2001) *Expeditions to the Hebrides, Isle of Skye*, MacLean Press.
- Bird, C.S. (1864) *Sketches from the Life of the Reverend Charles Smith Bird*, London, James Nisbet & Co.
- Buckley, T.E. and Harvie-Brown, J.A. (1891) *A Vertebrate Fauna of the Orkney Islands*, Edinburgh, D. Douglas.
- Christy, M. (1890) *The Birds of Essex*, Chelmsford, Edmund Durrant and Co.
- Cole, W. (1891) The Lepidoptera of Essex, *Essex Naturalist* 5, 74-96.
- Cust, L.H. (1893) Lizars, William Home (1788-1855), In Lee, S. (ed.) *Dictionary of National Biography*, pp. 406-407.
- Desmond, R. (1994) *Dictionary of British and Irish Botanists and Horticulturalists*, London, Taylor & Francis.
- Desmond, R. (2006) *Sir Joseph Dalton Hooker: Traveller and Plant Collector*, Woodbridge, Antique Collectors' Club.
- Dulau and Company (undated) *Catalogue 182, Rare Books and Manuscripts, DULAU'S A short note about ourselves* pp. 3-4.
- Williams, R.B. (2012) Biographical notes on the Hull taxidermist-dealer Robert Dunn, his son Joseph and other possible family members: newspaper gleanings, *The Naturalist* 137, 140-144.
- Dunning, J.W. (1877) Biographical notices 1, Henry Doubleday, *Entomologist* 10, 54-61.

- Frohawk, F.W. (1842-5) A Suffolk collection, and letter from T.C. Heysham, 1791-1857, *Transactions of the Suffolk Naturalists Society* 5 (2), 71-73.
- Fry, E. (1899) *James Hack Tuke. A Memoir*, London, MacMillan and Co.
- Goddard, T. (1929) *The History of the Natural History Society of Northumberland, Durham and Newcastle upon Tyne 1829-1929*. Newcastle, published by the society, pp.171-176.
- Godwin, J. (1986) A Suffolk naturalist's visit to Orkney 150 years ago. Copy of typescript, Orkney Library and Archives, D1/159.
- Gould, J. (1873) *The Birds of Great Britain, Volume 4*, London, self-published.
- Green, D.I., McCallum, D. and Wood, M. (2000) The Brownley Hill Mine, Alston Moor District, Cumbria, England, *Mineralogical Record* 31, 231-250.
- Groves, H. and Groves, J. (1890) John Ralfs, *Journal of Botany* 28, 289-293.
- Hall, M.B. (1992) *The Library and Archives of the Royal Society 1660-1990*, London, Royal Society.
- Hancock, E.G., Dobson, R.M and Williams, J. (2009) The Reverend William Little (1797?-1867), *Transactions of the Dumfries and Galloway Natural History and Antiquarian Society* 83, 5-16.
- Hindwood, K.A. (2016) The letters of Edwin C. Prince to John Gould in Australia, *Emu – Austral Ornithology* 38, 199-206.
- Hodkinson, I.D. (2021) *Thomas Coulthard Heysham of Carlisle (1791-1857)*, *Antenna* 45, 73-77.
- Hodkinson, I.D. (2022) Members' memorials – John Walton's window, *Antenna* 46, 126-127.
- Hodkinson, I.D. (2024) *Roots and Branches: Botanical Exploration of the Lake District 1775-1900*, Carlisle, Bookcase.
- Hooker, J.D. (1902) A sketch of the life and labours of Sir William Jackson Hooker, with portrait, *Annals of Botany* 16, lx-ccxxi.
- Jackson, C.E. and Davis, P. (2001) *Sir William Jardine: a Life in Natural History*, London, Leicester University Press.
- Jackson, C.E. (2021) *A Newsworthy Naturalist: the Life of William Yarrell*, British Ornithologists' Club and John Beaufoy.
- Jessop, L. (2018) George Wailes, entomologist and horticulturalist. *Northumbrian Naturalist* 85, 63-81.
- MacPherson, H.A. (1887) The tufted duck on the Solway, *Zoologist, Series 3*, 11, 385-386.
- MacPherson, H.A. (1890a) Storm petrel in summer, *Naturalist* 15, 48.
- McPherson, H.A. and Ferguson, R.S. (1892) *A Vertebrate Fauna of Lakeland, Including Cumberland, Westmorland with Lancashire North of the Sands*, Edinburgh, David Douglas. See Prolegomena, pp. xxiv-xxix.
- Markham (1876) Notes on Edward Charlesworth, *Ipswich Geological Group Bulletin* 18, 14-16.
- Marshall, J.D. (1937) Notes on the statistics and natural history of the island of Rathlin, off the north coast of Ireland, *Transactions of the Royal Irish Academy* 17, 37-71,
- Mathew, M.A. (1894) *The Birds of Pembrokeshire and its Islands*, London, R.H. Porter.
- Mays, R. (1978) *Henry Doubleday. The Epping Naturalist*, Marlow, Precision Press.
- Morris, F.O. (1853a) *A Natural History of the Nests and Eggs of British Birds, Volume 1*, London, Bell and Daldy.

- Morris, F.O. (1853b) *A Natural History of the Nests and Eggs of British Birds, Volume 2*, London, Bell and Daldy.
- Mullens, W.H. and Kirke Swann, H (1917) *A Bibliography of British Birds*, London, MacMillan & Co.
- Murray, J. (1909) A bygone Cumberland naturalist, a memoir of T.C. Heysham, *Transactions of the Carlisle Natural History Society* 1, 1-12.
- Nelson, T.H. (1907) *The Birds of Yorkshire, Volume 2*, London. A. Brown and Sons.
- Newman, E. (1867) Death of Mr Benjamin Standish, *Entomologist* 3, 204.
- Newman, E. (1869) Death of Dr. MacLean, *Entomologist* 4, 357-358.
- Newman, T.P. (1876) *Memoir of the Life and Works of Edward Newman*, London, John van Voorst.
- Newton, A. (1884) Memoir of the late John Scales, *Transactions of the Norwich Naturalists' Society* 4, 81-97.
- Newton, A. (1909a). Mr J.H. Gurney, *Ibis* supplement 1, vol. 2, 95-99.
- Newton, A. (1909b). Mr W.C. Hewitson, *Ibis* supplement 1, vol. 2, 185-186.
- Pearson, M & Hodkinson, I.D. (2021) *The Dark Path to Knowledge. The Autobiography of John Gough of Kendal (1757-1825), 'Blind Philosopher' and Polymath*, Kendal, Titus Wilson.
- Rudd, G.T. (1836) Remarks suggested by the postscript to the fifth volume of Stephen's "Mandibulata", *The Entomological Magazine* 3, 170-172.
- Sauer, G.C. (1982) *John Gould, the Bird Man: A Chronology and Bibliography*, London, H. Southeran.
- Slater, C. (2019) Connecting the past to the present, *The Norfolk Natterjack* 145, 11-14.
- Smail, H.C.P. (1974) William Borrer of Henfield, botanist and horticulturalist, 1781-1862, *Watsonia* 10, 55-60.
- Stephen, L. (1888) Denny, Henry, *Dictionary of National Biography, Volume 14*, 374-375, London, Smith, Elder & Co.
- Stevenson, B. (2012) Reverend John Thornton, 1808-1887. <http://microscopist.net/thorntonJ.html>.
- Stevenson, H. (1870) *The Birds of Norfolk, Volume 2*, London, John Van Voorst.
- Stevenson, H. (1890) *The Birds of Norfolk, Volume 3*, London, John Van Voorst.
- Sweet, R. (1823) *The British Warblers: an Account of the Genus Sylvia, Illustrated by Six Beautifully Coloured Figures, Taken from Living Specimens in the Author's Collection*, London, W. Simpkin and R. Marshall.
- Thornley, J.J. (1859) Proceedings of the Preston Natural History Society, *Entomologist's Weekly Intelligencer* 4, 139.
- Uglow, J. (2012) *The Pinecone: The Story of Sarah Losh, Forgotten Romantic Heroine - Antiquarian, Architect and Visionary*, London, Faber & Faber.
- Wallace J. (1832) Weaver's Museum of Natural History in Birmingham. *Magazine of Natural History and Journal of Zoology, Botany, Mineralogy, Geology and Meteorology* 5, 546-548.
- Walton, J. (1844). Notes on the Coleopterous genus of insects *Rhynchites* of Herbst., *Annals and Magazine of Natural History* 13, 81-89.
- Walton, J. (1845) Notes, &c on the genera of insects *Oxystoma* and *Magadalis*, *Annals and Magazine of Natural History* 16, 221-227.

- Walton, J. (1848) Notes &c. on the genera of insects *Eriirhinus*, *Notaris*, and *Procas*, with the description of two new species, *Annals and Magazine of Natural History* (Ser. 2), 2, 166-169.
- Walton, J. (1852) Descriptions of two new genera of insects, and of two new species, belonging to the family Curculionidae, *Annals and Magazine of Natural History* (Ser. 2), 9, 204-206.
- Warwick, J. E. (1836) *Description and History, with Anecdotes, of the Giraffes, (Camelopardis giraffa, Gmel.) Now Exhibiting at the Surrey Zoological Gardens: with an Account of Their Capture and Voyage*, London, J. King.
- Waterhouse, C.O. (1888) Memoir of George Robert Waterhouse, *Proceedings of the Entomological Society of London*, lxxvi.
- Welford, R. (1895) *Men of Mark Twixt Tyne and Tweed*, London, Walter Scott Ltd.
- Williams, R.B. (2014) The social history of ornithology - inscriptions in copies of Robert Dunn's ornithologist's guide, *Naturalist* 139, 143-159.
- Wilkinson, R.S. (1966) The invention of “sugaring” for moths in nineteenth-century England, *Michigan Entomologist* 1, 3-9.
- Wilson, J. (1901) *The Victoria History of the Counties of England, Cumberland*, Archibald Constable & Co., London.
- Wollaston, A.F.R. (1921) *Life of Alfred Newton: Late Professor of Comparative Anatomy, Cambridge University 1866-1907*, London, J. Murray.
- Yarrell, W. (1839) *A History of British Birds, Volume 1*, London, John Van Voorst.
- Yarrell, W. (1843a) *A History of British Birds, Volume 2*, London, John Van Voorst.
- Yarrell, W. (1843b) *A History of British Birds, Volume 3*, London, John Van Voorst.
- Yarrell, W. (1855) *A History of British Birds, Supplementary Volume*, London John Van Voorst.
- Yarrell, W. (1859) *A History of British Fishes, Third Edition, Volume 1*, London John Van Voorst. (Notere pagination differs in the 1836 and 1842 editions). See p. 390.