

JAMES HARDY'S ENTOMOLOGICAL NOTEBOOKS

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JAMES HARDY (1 June 1815–30 September 1898), the eminent Berwickshire naturalist, had strong entomological interests. For example in Vol. 2, Pt. 7 (1849), of *Hist. Berwicksh. Nat. Club*, pp. 361–362, he described *Scaptomyza apicalis* n.g. et. sp. (Drosophilidae). Attempts to trace existing Hardy specimens for type selection have proved fruitless. His collection of “moths, etc.”, left in the family, had to be destroyed as “the white mite got into them” (Miss E. Hardy, *in litt.*, 25 July 1959), and no museum appears to have any Hardy specimens. However, a few of his MS notebooks have survived and are held by the Berwickshire Naturalists' Club at the Museum and Art Gallery, Berwick on Tweed. They appear to represent the disconnected remains of a continuous series of notekeeping, the others, of which there must have been many, being lost. Although all are not of entomological interest it is as well to place them on record. Fortunately the most important entomological one has survived and is dealt with in detail below (No. 4). Each has been numbered by me as below, in order of date:

1. Notes from the classics. $4\frac{1}{2}$ in. \times $7\frac{1}{2}$ in. The newspaper cover is dated July 1832.
2. Philosophical notes. n.d. $4\frac{1}{2}$ in. \times $7\frac{1}{2}$ in. Home-made notebook, no covers.
3. Natural-history Journal. 28 July 1845–November 1846, with notes for 1844 (p. 211) and 24 June 1847 (p. 368). 376 pp. (Alternate pages numbered by me in red). 4 in. \times $6\frac{3}{4}$ in. Ordinary thick-cover, unruled notebook.

Contents mainly entomological, *viz.* Coleoptera (incl. lists of Berwickshire Staphylinidae), a few Hemiptera, Hymenoptera, and Lepidoptera, but many field-records of Diptera, including Tipulids, *Bibio*, *Beris*, *Sargus*, *Leptis*, Empids, Dolichopodids, Tabanids, Phorids, Syrphids, *Scatophaga*, *Musca*, *Calliphora*, *Echinomyia*, and Anthomyids, and many Acalypterae (*Blephariptera*, *Barbori*, *Coelopa*, *Drosophila*, Hydromyzids, *Meromyza*, *Phytomyza*, *Sapromyza*, *Sepsis*, *Tephritis* and *Tetanocera*).

Together with collecting anecdotes; local superstitions, anecdotes and proverbs; local names of insects; natural history notes and records (birds, flowers, mammals); a few antiquarian notes; football at Wooler; visit to Haswell coal-pit; railwaymen's fight at Cockburnspath; and poetical extracts.

4. Natural-history journal. 26 April 1849–14 September 1849. 400 pp. (numbered by me). $4\frac{1}{4}$ in. \times 7 in. Home-made notebook, paper covers.

Contents mainly entomological (from p. 96), and predominantly on Diptera, especially the rearing of leaf-miners, with detailed descriptions of larvae, puparia, and often the adults, but including bird, plant, and other records. See index below.

5. Original letters to Hardy from various correspondents about local words and provincialisms. 1852-55. Stitched as one paper-covered book, approx. $4\frac{3}{4}$ in. \times $7\frac{1}{2}$ in.

6. Nature diary. October 1882-3 November 1883. $5\frac{3}{4}$ in. \times $8\frac{3}{4}$ in. Home-made notebook, brown paper covers.

Contents mostly nature notes (with but little entomology); with extracts from archaeological literature; field meetings of the Club; visit to Kidland; and attendance at, but little about the Jubilee Meeting of Edinburgh Geological Society.

7. Nature diary, continued. 3 November 1883-October 1884. Same type of notebook as No. 6.

Contents—Roslin and Dalkeith districts (continued); notes on the Middle East; nature and antiquarian notes; list of scientific journals received by and meetings held by the Club; second visit to Kidland.

8. Journal. c. 1883-85. $4\frac{1}{4}$ in. \times 7 in. Thick-cover, ruled notebook. Only half full.

Contents: Sale of Kidland estate; customs and antiquities of the borders; extracts from old documents; anonymous poem commemorating death of four ladies in the Etterick, 16 August 1800; poem by John Davidson; notes on Sir Walter Scott; a few bird and plant records.

9. Journal. May 1876-1888. $4\frac{1}{2}$ in. \times 7 in. Black-cover, ruled notebook.

Contents: Club meetings, new members, and expenses; exchange societies; catalogue of Public Record Books at Berwick Institute; copies of church memorials; list of local gardeners.

10-12. Letters of James Hardy to Mrs. Barwell Carter, Berwick. Loose in 3 special folders ($5\frac{1}{2}$ in. \times $8\frac{1}{2}$ in.) contained in slip-box. Vol. 1 (so stamped), 1872-81; Vol. 2, 1882-92; Vol. 3, 1893-96.

13. Nine loose items (5 letters, drawing of 3 spear-heads, sketch plan of Preston, press cutting, and printed notice of Roy. Archaeol. Inst. August 1884 with Hardy notes on Hawkland on verso. Numbered 13-1 to 13-9 chronologically by me and put into an envelope.

INDEX TO HARDY NOTEBOOK 4

Anybody using the notebook should be able to find entries by a certain amount of intelligent cross-referencing to the following index. For example, if a species is mentioned in the notebook as feeding on thistle, other references to this species may be obtained from "thistle", "leaf-miner", etc., in the index. Only the *first* page to the reference is given below (except for the first item). More than one record may occur on a page.

The Diptera have been indexed in detail, but references to the other insect orders, being less often noted, are mostly lumped together under the order.

It is important to emphasise that some names may still be MS names and thus *nomina nuda*. Such are *Drosophila alsinis* and *Scaptomyza napi*. However, many are valid names and specialists may well be interested enough to consult the notebook. This index is compiled for their benefit.

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