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DIPTERA SCOTICA: VI.—THE WESTERN ISLES.

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AFTER a lapse of several years I am once more able to resume my series of articles, commenced in the *Annals of Scottish Natural History*, upon the Diptera of Scotland. The area I propose to deal with in the present contribution is practically untouched ground, for only sixteen species appear to have been recorded hitherto from the islands off our western coast. These records are contained in two notes contributed to the *Entomologist's Monthly Magazine* by C. W. Dale in September 1882 and February 1884 respectively, and in a paper by Messrs A. E. J. Carter and James Waterston, published in the *Annals of Scottish Natural History* for April 1909. In order to render the following list a complete record of what is known regarding the Dipterous fauna of the Western Isles, I have included these previous records and placed them in their proper systematic position.

In undertaking the compilation of this list, I have been in the fortunate position of being able to examine an amount of material which, I believe, represents the most complete collection of Hebridean Diptera ever brought together. The nucleus of this collection consists, in the first place, of a fine series of specimens captured in various islands by Mr Waterston; and secondly, of the results of a trip which I myself made to South Uist in the month of June 1910. My own material was obtained within a few miles of Lochboisdale, and, since I was favoured with exceptionally fine and sunny weather, and as I took care to capture as many species as possible, if only for the sake of record, the collection thus formed may be fairly regarded as a representative one for that neighbourhood. My trip was an official one, and all the specimens obtained are now in the Royal Scottish Museum.

In addition, I have been favoured with a few specimens from Barra and Rum, collected by the Misses Baxter and

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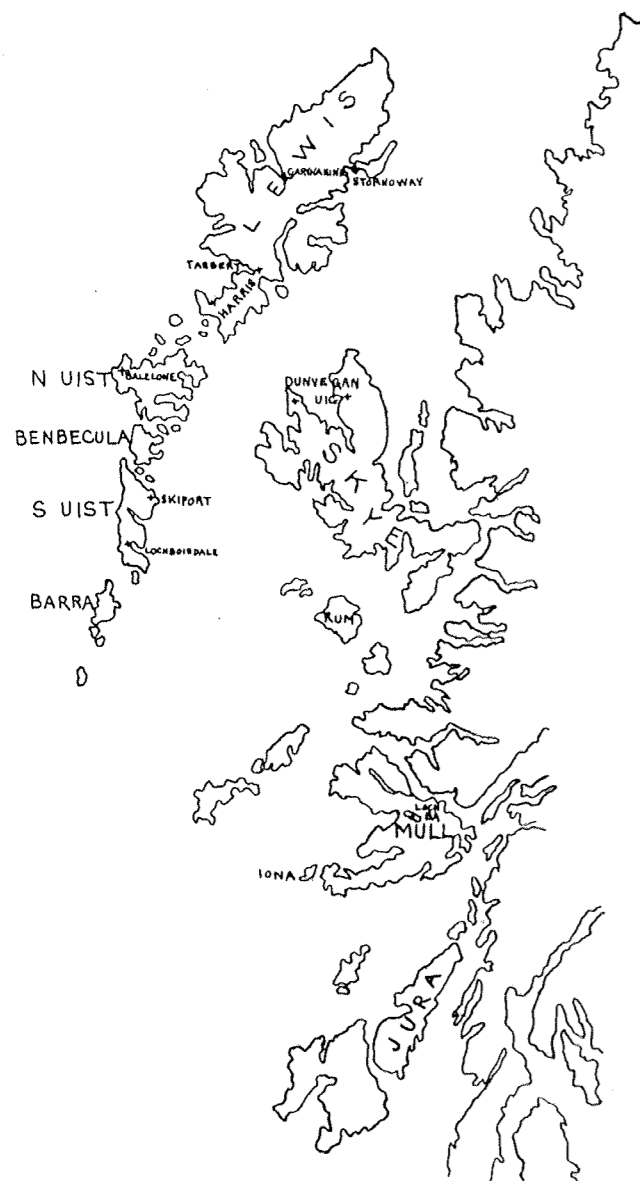
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Oct 1914: 234-236

Nov. 1914: 258-262

Sep. 1915: 276-281

May 1916: 115-119



Rintoul; a large number from the islands of South Uist, Benbecula, and Lewis, taken by Mr Norman B. Kinnear, of the Bombay Museum; a few flies taken in Mull by Dr Nelson Annandale, of the Calcutta Museum; a few from Mr William Evans, taken in Islay by his daughter; and lastly, one or two specimens from the island of Harris, captured by Mr A. J. H. Edwards.

For the benefit of those who are not familiar with the geography of the Hebrides I append a rough outline map, on which I have indicated most of the localities mentioned in the list.

In the vexed question of nomenclature, I have endeavoured to be up-to-date. In the main I have followed the Palæarctic Catalogue of Becker and others (*Katalog der Paläarktischen Diptera*, Buda-Pest, 1903-7), but have departed therefrom when a more recent Monograph has rendered such a course advisable. Meigen's much discussed paper of 1900 has been followed throughout, for I am convinced that sooner or later we shall have to fall into line with American and continental entomologists, and the sooner we become familiar with Meigen's original names the better. To render the present list a little less revolutionary, however, I have given in parentheses the names of the families and genera as used in Verrall's "List," whenever the unfamiliar names of Meigen's 1900 paper are adopted.

ORTHORRHAPHA NEMATOCERA.

LYCORIIDÆ (SCIARIDÆ).

1. *Lycoria flavipes*, Mg.—2 ♂ and 2 ♀, Jura, Sept. 1907 (Waterston).

FUNGIVORIDÆ (MYCETOPHILIDÆ).

2. *Macrocera centralis*, Mg.—1 ♀, Stornoway, 8th July 1906 (Kinnear).
3. *M. stigma*, Curt.—1 ♂, Benbecula, 7th June 1906 (Kinnear).
4. *Polylepta undulata*, Winn.—1 ♂, Jura, Sept. 1907 (Waterston).
5. *Leia (Glaphyoptera) fascipennis*, Mg.—1 ♀, Jura, Sept. 1907 (Waterston).
6. *Allodia lugens*, Wied.—1 ♀, Jura, Sept. 1907 (Waterston).

358. *Scaptomyza graminum*, Fln.—6, Jura, Sept. 1907 (Waterston); 1, Iona, June 1906 (Waterston); 4, Balelone, N. Uist, June 1905 (Waterston).

GEOMYZIDÆ.

359. *Opomyza germinationis*, L.—1, Machrie, Islay, 30th Aug. 1904 (Miss Evans); 2, Jura, Sept. 1907 (Waterston); 1, Dunvegan, Skye, June 1905 (Waterston); 2, Lochboisdale, S. Uist, June 1906 (Waterston); 5, S. Uist, June 1910 (Grimshaw); 3, Garynahine, Lewis, 4th July 1906 (Kinnear); 1, Stornoway, Lewis, 8th July 1906 (Kinnear); Lewis, July 1914 (Lamb).
360. *Baliptera venusta*, Mg.—1, Lochboisdale, S. Uist, June 1906 (Waterston); Lewis, July 1914 (Lamb).

OCHTHIPHILIDÆ.

361. *Ochthiphila flavipalpis*, Hal.—Lewis, July 1914 (Lamb).
362. *O. geniculata*, Hal.—Lewis, July 1914 (Lamb).
363. *O. polystigma*, Mg.—Lewis, July 1914 (Lamb).

MILICHIDÆ.

364. *Phyllomyza securicornis*, Fln.—1 ♂, Skipport, S. Uist, June 1906 (Waterston); 1 ♀, Stornoway, 8th July 1906 (Kinnear).

AGROMYZIDÆ.

365. *Cerodonta denticornis*, Panz.—1, Iona, June 1906 (Waterston); 5, S. Uist, June 1910 (Grimshaw); 1, Balelone, N. Uist, June 1905 (Waterston).

PHYTOMYZIDÆ.

366. *Phytomyza flava*, Fln.—1, Jura, Sept. 1907 (Waterston).
367. *P. varipes*, Mcq.—Lewis, July 1914 (Lamb). If this is correctly identified it is an addition to the British list. I have not seen the specimen.
368. *Napomyza lateralis*, Fln.—1, S. Uist, June 1910 (Grimshaw); 3, Balelone, N. Uist, June 1905 (Waterston).

PUPIPARA.

HIPPOBOSCIDÆ.

369. *Ornithomyia avicularia*, L.—2, Butt of Lewis, Sept. 1914 (Eagle Clarke).
370. *Lipoptena cervi*, L.—2, Loch Ba, Mull, Oct. 1907 (Annandale).

ADDITIONAL SPECIES.

DOLICHOPODIDÆ.

371. *Dolichopus griseipennis*, Stann.—Lewis, July 1914 (Lamb).
372. *D. longicornis*, Stann.—Lewis, July 1914 (Lamb).
373. *Hydrophorus præcox*, Lehm.—Lewis, July 1914 (Lamb).
374. *Campsicnemus scambus*, Fln.—Lewis, July 1914 (Lamb).
375. *Micromorphus albipes*, Ztt.—Lewis, July 1914 (Lamb).

SYRPHIDÆ.

376. *Pipizella flavitarsis*, Mg.—Lewis, July 1914 (Lamb).
377. *Neoascia podagrica*, Fab.—Lewis, July 1914 (Lamb).
378. *Sericomyia lappona*, L.—Lewis, July 1914 (Lamb).

TACHINIDÆ.

379. *Sarcophaga melanura*, Mg.—1 ♂, Butt of Lewis, Sept. 1914 (Eagle Clarke).

ANTHOMYIIDÆ.

380. *Fucellia maritima*, Hal.—1 ♂, S. Uist, 13th June 1906 (Kinnear); 17 ♂ and 10 ♀, S. Uist, June 1910 (Grimshaw).

ADDITIONAL LOCALITIES.

[Of the additional records obtained since the compilation of the earlier portion of this paper, only such are included in the following list as extend the distribution to a different island.]

48. *Simulium reptans*, L.—Lewis, July 1914 (Lamb).
82. *Typula oleracea*, L.—1 ♂, Butt of Lewis, Sept. 1914 (Eagle Clarke).
86. *Chloromyia formosa*, Scop.—Lewis, July 1914 (Lamb).
93. *Leptis scolopacea*, L.—Lewis, July 1914 (Lamb).
95. *Thereva nobilitata*, Fab.—Lewis, July 1914 (Lamb).
108. *Empis tessellata*, Fab.—3 ♀, Butt of Lewis, Sept. 1914 (Eagle Clarke).
133. *Dolichopus brevipennis*, Mg.—Lewis, July 1914 (Lamb).
139. *D. unguatus*, L.—Lewis, July 1914 (Lamb).
155. *Ectomus alpinus*, Hal.—Lewis, July 1914 (Lamb).
159. *Liogaster metallina*, Fab.—Lewis, July 1914 (Lamb).
164. *Platychirus manicatus*, Mg.—1 ♀, Butt of Lewis, Sept. 1914 (Eagle Clarke); Lewis, July 1914 (Lamb).
176. *Rhingia campestris*, Mg.—Lewis, July 1914 (Lamb).