

Summ'g 1985

**Adroddiad Gwylfa
Ynys Enlli
Rhif 29
1985**

**Bardsey Observatory
Report
No. 29
1985
172 pp.**



Harry Williams 1985

SOME DIPTERA FROM BARDSEY

by J. C. Deeming

With the single exception of those Hippoboscidae ectoparasitic on birds, the dipterous fauna of Bardsey Island is known only from the scantiest of records.

During the second week of August 1985 I made a collection of Diptera from various parts of the island. This collection, which numbers 365 specimens and represents 142 species of 33 families, is deposited in the National Museum of Wales, Cardiff. The species, along with the localities from which they were collected, are recorded here, as far as possible following the sequence of the most recent check list of British Diptera of Kloet and Hincks. Apart from the mis-spelling of the specific name of *Scaptomyza disticha* in that check list, changes of name are according to Sabrosky for Chloropidae, Roháček for Sphaeroceridae and Stubbs & Falk for Syrphidae. In such cases an asterisk is placed against a name not to be found in Kloet and Hincks. The names of localities are abbreviated thus: Observatory (= Cristin) as O; pond W. of Observatory, PWO; pond N. of Abbey, PNA; Wathy beds, WB; Main track South (being a drystone walled lane from near harbour to farm), MTS; Porth Sol-fach, PS; Henllwyn Beach, HB; Trwyn Dihirod, TD; Bae'r Nant, BN; and Mountain Ridge, MR.

TIPULIDAE

Tipula oleracea Linnaeus - WB *Erioptera trivialis* Meigen - PNA

PSYCHODIDAE

Psychoda parthenogenetica Tonnoir - 0

CERATOPOGONIDAE

Palpomyia flavipes (Meigen) - WB, MTS

Stilobezzia gracilis (Haliday) - WB

CHIRONOMIDAE

Thalassomyia frauenfeldi Schiner - PS

Cricotopus sylvestris (Fabricius) var. *fuscimanus* (Meigen) - PNA

C. tricinctus (Meigen) - 0 *C. trifasciatus* (Panzer) - 0

Smittia pratorum (Goetghebuer) - 0

Thalassosmittia thalassophila (Goetghebuer) - 0

Halocladus varians (Staeger) - 0

STRATIOMYIDAE

Chloromyia formosa (Scopoli) - 0

COELOPIDAE

Malacomys sciomyzina (Haliday) - PS

Coelepa frigida (Fabricius) - PS *C. pilipes* Haliday - HB

SEPSIDAE

Orygma luctuosum Meigen - HB *Themira minor* (Haliday) - WB, PWO, MTS

Sepsis cynipsea (Linnaeus) - MR *S. violacea* Meigen - MR

SCIOMYZIDAE

Knutsonia albiseta (Scopoli) - PNA

Tetanocera hyalinipennis von Roser - WB

SPHAEROCERIDAE

Sphaerocera curvipes Latreille - MR

Olinea atra (Meigen) - O, MR *Copromyza similis* Collin - MTS

Spinotarsella humida (Haliday) - WB

Opacifrons coxata (Stenhammar) - O

Thoracochaeta zosteriae (Haliday) - HB, PS

Spelobia clunipes (Meigen)* - O, MR

S. luteilabris (Rondani)* - O *S. rufilabris* (Stenhammar)* - O

Telomerina flavipes (Meigen)* - PNA

Minilimosina fungicola (Haliday)* - O

M. vitripennis (Zetterstedt)* - O

Pullimosina heteroneura (Haliday)* - O

OPOMYZIDAE

Opomyza germinationis (Linnaeus) - O

CARNIDAE

Meoneura flavifacies Collin - O, MR, WB

M. lamellata Collin - PS

ANTHOMYZIDAE

Anthomyza gracilis Fallén - MTS *Paranthomyza nitida* (Meigen) - WB

EPHYDRIDAE

Notiphila dorsata Stenhammar - PWO

N. nigricornis Stenhammar - PWO

Hydrellia griseola (Fallén) - MR

H. modesta Loew - stream above PS, PWO

Philygria stictica (Meigen) - O, MR

EMPIDIDAE

- Chersodromia arenaria* (Haliday) - HB
C. difficilis Lundbeck - HB
Platypalpus fasciatus (Meigen) - MTS
P. pallidiventris (Meigen) - MTS, O
Hydrodromia stagnalis (Haliday) - MTS

DOLICHOPODIDAE

- Dolichopus griseipennis* Stannius - MTS
D. plumipes (Scopoli) - PNA *D. signifer* Haliday - MTS
Hercostomus nigriplantis (Stannius) - MTS
Poecilobothrus nobilitatus (Linnaeus) - PWO
Aphrosylus celtiber Haliday - BN
A. ferox Haliday - PS *A. raptor* Haliday - TD
Nedetera saxatilis Collin - O, MR, MTS, PS
Syntormon pallipes (Fabricius) - PS, WB
Chrysotus cilipes Meigen - O *C. gramineus* (Fallén) - O, WB, MTS
Argyra argentella (Zetterstedt) - O
Sympycnus desoutteri Parent - PWO, WB
Micromorphus albipes (Zetterstedt) - O
Lamprochromus elegans (Meigen) - WB

LONCHOPTERIDAE

- Lonchoptera furcata* (Fallén) - O *L. lutea* Panzer - MTS

PHORIDAE

- Diplonevra funebris* (Meigen) - O *Megaselia* spp. - O, MR, WB

SYRPHIDAE

- Syrphus vitripennis* Meigen - O
Sphaerophoria scripta (Linnaeus) - O
Platycheirus clypeatus (Meigen) - MTS
P. manicatus (Meigen) - O *Paragus haemorrhous* Meigen* - O
Lejogaster metallina (Fabricius) - O, PNA
Eristalis pertinax (Scopoli) - O

CONOPIDAE

- Sicus ferrugineus* (Linnaeus) - O

LAUXANIIDAE

- Minettia rivosus* (Meigen) - O *Sapromyza sordida* Haliday - O

Parydra coarctata (Fallén) - MTS, WB, PNA
Scatella paludum (Meigen) - O *S. silacea* Loew - MTS, WB
S. stagnalis (Fallén) - O, WB, PS, stream above PS

DIASTATIDAE

Diastata fuscula (Fallén) - MTS

DROSOPHILIDAE

Scaptomyza graminum (Fallén) - O, MTS
S. disticha Duda - O, MTS, MR
Drosophila buschii Coquillett - O
D. andalusiaca Strobl - WB

CANACEIDAE

Canace nasica Haliday - PS

AGROMYZIDAE

Agromyza nana Meigen - MR *A. pseudoreptans* Nowakowski - WB
Liriomyza orbona (Meigen) - O *L. flaveola* (Fallén) - WB
Pteridomyza hilarella (Zetterstedt) - O
Phytomyza ranunculi (Schrank) - WB
P. miii Kaltenbach - O, MR, WB
Cerodontha denticornis (Panzer) - MTS, O

CHLOROPIDAE

Fiebrigella palposa (Fallén)* - O
Dicraeus vagans (Meigen) - O *Incertella antennata* (Collin)* - O
Oscinella frit (Linnaeus) - O, MTS, MR, PS
O. nigerrima (Macquart) - MTS
O. nitidissima (Meigen) - O, PWO, WB, MTS
O. pusilla (Meigen) - O *O. vastator* (Curtis) - O
Elachiptera megaspis (Loew) - WB
Neromyza femorata Macquart - O *Diplotoxa messoria* (Fallén) - PNA
Catema neglecta Tonnoir - MTS *Chlorops calceata* Meigen - O
C. hypostigma Meigen - WB
Thaumatomyia (Chloropisca) glabra (Meigen) - O
T. (T.) notata (Meigen) - O

GASTEROPHILIDAE

Gasterophilus intestinalis (Degeer) - MR

TACHINIDAE

Eriothrix rufomaculata (Degeer) var. *dimano* (Harris) - O, MR
Eurithia anthophila (Robineau-Desvoidy) - O

SARCOPHAGIDAE

Sarcophaga aratrix Pandellé - MR
S. carnaria (Linnaeus) - MR *S. nigriventris* Meigen - O

CALLIPHORIDAE

Calliphora vicina Ronbinea-Desvoidy - O
C. vomitoria (Linnaeus) - O *Lucilia caesar* (Linnaeus) - O
L. sericata (Meigen) - O

SCATHOPHAGIDAE

Scathophaga stercoraria (Linnaeus) - O

ANTHOMYIIDAE

Fucellia fucorum (Fallén) - PS
Craspedochoeta pullula (Zetterstedt) - O
Delia echinata Séguy - MR *D. florilega* (Zetterstedt) - MR
D. platura (Meigen) - O *Hylemya variata* (Fallén) - MTS
Paregle cinerella (Fallén) - O, MR, PNA
Nupedia aestiva (Meigen) - O *N. infirma* (Meigen) - MTS

FANNIIDAE

Fannia canicularis (Linnaeus) - O

MUSCIDAE

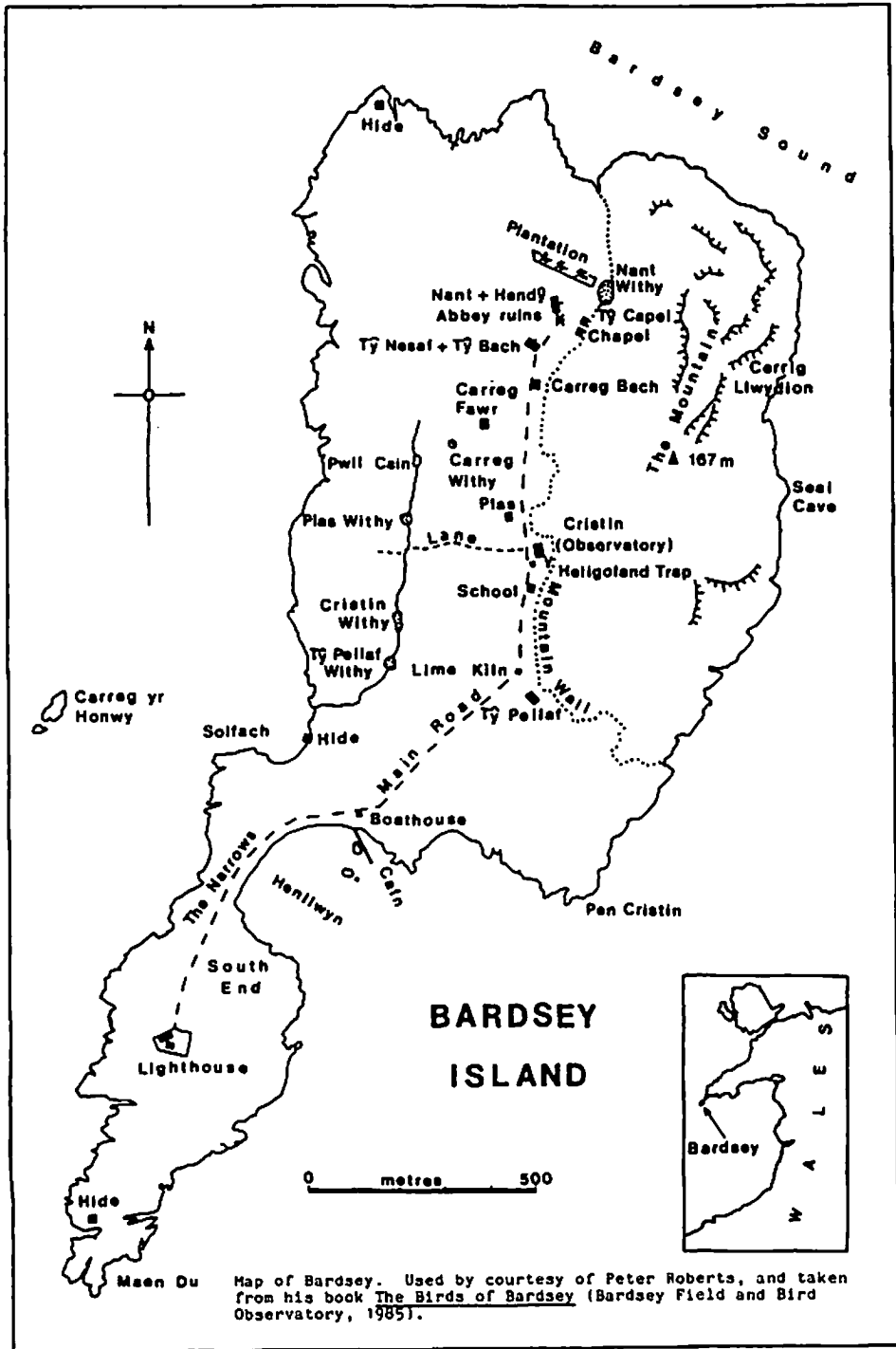
Orthellia viridis (Wiedemann) - O
Musca domestica Linnaeus - O *Azelia zetterstedti* Rondani - O
Helina duplicata (Meigen) - O
Dexiopsis lacteipennis (Zetterstedt) - PS
Coenosia tigrina (Fabricius) - O, WB
Schoenomyze litorella (Fallén) - PNA

Although this list represents only a part of the Diptera present on the island during a single week of the year, there are some points of note. No mosquitoes (Culicidae) were found, and it was only by careful search that a single housefly (*Musca domestica*) was found. Only 2 species and 3 specimens of the snail- and slug-killing flies of the family Sciomyzidae were found, even though the weather conditions had been favourably wet during the year; compared with the mainland generally, this is a very restricted fauna and low population. A single

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Gasterophilus intestinalis was found on the very summit of the mountain ridge; this species has larvae that are intestinal parasites of horses, of which a number are grazed, usually on the low-lying fields. A single male *Dolichopus signifer* was found, a species known only within the British Isles from a single locality each in Galway, Pembroke and Glamorgan, and from two localities in Cornwall. Another rare Dolichopodid, of which a single male was found, is *Lamprochromus elegans*, of which British records are restricted to East Anglia and the south coast of England. *Meoneura lamellata*, of which a single female was found, is widespread in Europe, but the few British records are from the coasts of Dorset, Suffolk and Norfolk at the openings of Sand Martins' burrows. The two or more species of *Megaselia* present in the collection are left unidentified for the present, the British species of that large and taxonomically difficult genus being at present under revision by Dr. Henry Disney.

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Map of Bardsey. Used by courtesy of Peter Roberts, and taken from his book The Birds of Bardsey (Bardsey Field and Bird Observatory, 1985).