Flitwick Moor Project

Redborne Biology Club 2014-2015

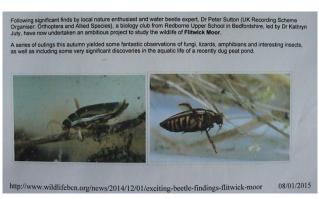


2014 - Summary

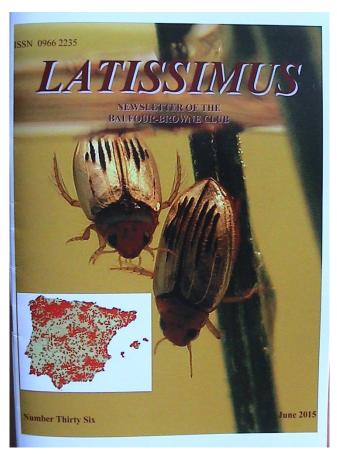
2014 was an extraordinarily successful year for the Redborne Biology Club and the Flitwick Moor Project, which resulted in the discovery of two new species of Great Diving Beetle for the county and led to a number of features in local and national publications.







In addition to finding some fantastic species on Flitwick Moor, from frogs and lizards to bush-crickets and water scorpions, the sandy grass banks of the school were also found to harbour a rich and diverse hymenopteran fauna (bees, wasps and ants), and again, pictures of rare species, including a spectacular ruby tailed wasp, appeared in specialist scientific publications.





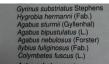
DYTISCUS SEMISULCATUS. A FIRST RECORD

FOR BEDFORDSHIRE Alex Cummins
On 15 October 2014, a visit by the Redborne Upper
School Biology Club to monitor the aquatic fauna of a recently dug peat pool on Flitwick Moor in Bedfordshire (TQ050353) revealed the exoskeleton of a Great Diving Beetle, which was immediately recognized as a specimen of *Dytiscus semisulcatus* O.F. Müller by Dr P. Sutton. The peat pool has been

here for more than two years so we believe that the specimen was a recent colonist. Several other species of aquatic Coleoptera were found in the pool including two other species of Great Diving Beetle, *Dytiscus circumflexus* and *Dytiscus marginalis* (see article by P. Sutton above).

Received November 2014





Rhantus suturalis (N cilius sulcatus (L.)

Dytiscus circumflexus Fab. Dytiscus marginalis L. Dytiscus semisulcatus O.F.Müller Hydrobius fuscipes (L.)

and Bedfordshire Wildlife Trust for support with recording and providing is for the Flitwick Moor site. Received November 2014



Hedychrum nobile (Scopoli, 1763), and Dasypoda hirtipes (Fabricius, 1793), new to Bedfordshire

we species of the aculeate Hymenoptera new to Bedfordshire, Hedychrum nobile copoli, 1763), and Dasypoda hirtipes (Fabricius, 1793), are reported, reflecting the rent dynamic nature of hymenopteran populations in the county. Recent observations chilight the need to collate records from a variety of sources to produce a revised county to Bedfordshire, in order to ascertain current and longer term trends with regard to the perceived gains and losses of aculeates in the county.

Introduction
The hymenopteran fauna of the sandy banks of a site on the grounds of Redborne Upper School in Flitwick [grid ref: TLO3173677] was studied by PS in July 2014 and two species that were believed to be new to Bedfordshire, Hedychrum nobile and Dasypoda hirtipes, in accordance with discussions with David Baldock and Mike Edwards (pers. com. July 2014), were recorded. However, it was later revealed that a specimen originally identified as Hedychrum niemelai by RE from The Lodge RSPB reserve in Sandy, Bedfordshire [grid ref: TL193477] on 3nd August 2012 had been re-examined by David at the BWARS AGM in September 2014 and was found to be H. nobile.





This year the study of Flitwick Moor and its inhabitants resumed in September, with visits on the 9^{th} and 23^{rd} .

Wednesday 9th September 2015

Species list:

Common Lizard Zootoca vivipara (2 juveniles from this year's generation)

Common Frog Rana temporaria (several)

Grasshoppers and allied species (Orthoptera):

Long-winged Cone-head Conocephalus discolor

Roesel's Bush-cricket *Metrioptera roeselii*

Dark Bush-cricket *Pholidoptera griseoaptera*

Meadow Grasshopper Chorthippus parallelus

Lesser Marsh Grasshopper Chorthippus albomarginatus

Slender Groundhopper Tetrix subulata

Peat pool

Dragonflies (Odonata):

Southern Aeshna Aeshna cyanea

Common Sympetrum Sympetrum striolatum

Common Blue Damselfly Enallagma cyathigerum

Blue-tailed Damselfly *Ischnura elegans*

Emerald Damselfly Lestes sponsa (deceased, found in pool)

Water Beetles (Coleoptera):

Great Diving Beetle Dytiscus marginalis

Lesser Diving Beetle *Acilius sulcatus*

Colymbetes fuscus





Agabus bipustulatus

Agabus sturmii

Ilybius fuliginosus

Screech Beetle *Hygrobia hermanni*

Water bugs (Hymenoptera):

Water Boatman *Notonecta glauca*

Lesser Water Boatman *Corixa punctatus*



Wednesday 23rd September 2015



Species list:

Common Lizard Zootoca vivipara (1 female sub-adult, 3 juveniles from this year's generation)

Common Frog Rana temporaria (several)

Common Toad Bufo Bufo (1 under wood)



Harlequin Ladybird pupae Harmonia axyridis

Grasshoppers and allied species (Orthoptera):

Roesel's Bush-cricket Metrioptera roeselii

Dark Bush-cricket Pholidoptera griseoaptera

Meadow Grasshopper Chorthippus parallelus



Peat pool

Dragonflies (Odonata):

Southern Aeshna Aeshna cyanea (adult and larvae)

Common Sympetrum Sympetrum striolatum

Common Blue Damselfly Enallagma cyathigerum

Water Beetles (Coleoptera):

Colymbetes fuscus

Agabus bipustulatus

Agabus sturmii

Ilybius fuliginosus

Screech Beetle Hygrobia hermanni

Water bugs (Hymenoptera):

Water Boatman Notonecta glauca

Lesser Water Boatman *Corixa punctatus*

(Note: Great Diving Beetle Dytiscus marginalis and Lesser Diving Beetle Acilius *sulcatus*, in spite of intensive searching, were not found on this visit.)

A heron was seen flying off from the peat pool on both visits. Many deer footprints were seen around the pool.



