



Amateur Entomologist's Society



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<http://www.amentsoc.org>

Registered Charity No. 267430

**Report of the invertebrates found at The Brooks Open Space, Bognor Regis, West
Sussex
During a field trip of The Amateur Entomologists Society
On Saturday 13th August 2005.**

Members in attendance

Peter May and son David

David Lonsdale

David Humphries

Dafydd Lewis

Jaqueline Ruffle and children

Peter Hodge

Ian Boler

Several members from The Friends of The Brooks were also in attendance.

The trip started at 11 a.m. with reasonably good weather, but somewhat windy and some cloud. By mid afternoon, cloud cover became heavier and rain started at about 3p.m., bringing an early end to the day.

Those reading this report should bear in mind that it represents only one day in a whole year and that the site obviously is home to a considerably higher number of species of invertebrates than is shown here. Many species of invertebrates are single brooded and therefore many species which have a flight period at a different time of year will not have been noted in this survey.

In addition, the presence of a cross in a column only indicates that the species was found in that particular field, and not that it is not found in the others. In addition, a few species have no particular field entered against them, since this was not indicated on the returns sent to me.

Since the list has been compiled from records supplied by several entomologists, some species are listed by either their Latin name or English name only, although both are given for many species. English names do not exist for all species of invertebrates due to the vast number of species involved.

Date of report: 11th October 2005

1. RED DATA BOOK AND NATIONALLY SCARCE SPECIES

COLEOPTERA (Beetles)

APIONIDAE (Weevils)

Nb *Oxystoma cerdo*

Widespread but local, formerly confined to the midlands and northern Britain. Now recorded widely in south-east England, where it is possibly a recent colonist.

Phytophagous. Associated with vetches, especially tufted vetch *Vicia cracca*. The larvae develop in the pods feeding on the seeds.

One male tapped off vetch in Field 2, near the hedge separating it from Field 1.

DIPTERA (Flies)

TEPHRITIDAE (Picture-winged flies)

RDBK *Tephritis divisa*

Several swept off Bristly Ox-tongue in Fields 1 and 2. However, close inspection has found the specimens were not in fact *Tephritis seperata* as was initially thought, but were in fact *Tephritis divisa*, which is a Mediterranean species, never before recorded in this country, associated with Bristly Ox-tongue. This is therefore the first record of this species in this country. Attendance by Peter Hodge the following week showed there to be several hundred on that day.

HEMIPTERA-HETEROPTERA (Bugs)

LYGAEIDAE (Ground bugs)

Status *Nysius senecionis*

Unknown First found in Britain at Powdermill Reservoir, East Sussex in September 1992 (Hodge & Porter, 1997), this species has spread rapidly and now occurs in many parts of England. Associated with ragwort *Senecio* species and Common Fleabane *Pulicaria dysenterica*.

One swept off ragwort in Field 2.

HYMENOPTERA (Bees, wasps, ants, etc)

SPHECIDAE (Solitary wasps)

Na *Alysson lunicornis*

Recorded sparingly from scattered localities in southern England. Falk (1991a) states: 'Packer (1987) and G. Dicker (pers. comm.) demonstrated that it can be locally frequent, but finding it seems to be an acquired technique.' According to Falk (1991a) there are post-1970 records for about 20 sites in six southern English vice counties. Nesting occurs in bare or sparsely vegetated clay soil, on banks or level ground, fully exposed to the sun. Nest entrances are situated in the deep fissures which form as clay dries out during the summer. The cells are stocked with Cicadellidae and Delphacidae (Hemiptera-Homoptera (Bugs)).

One female swept near the river in Field 3.

ARANEAE (Spiders)

ARANEIDAE (Orb-web spiders)

Na *Argiope bruennichi*

This large, striking yellow and black-striped spider (females only: males are smaller and brown) is currently spreading quite rapidly in southern England. It is found in rough grassland where grasshoppers are the main prey. Females mature in August and may live until October whereas males are short-lived.

Several noted in Fields 1 and 2.

2. REFERENCES

- FALK, S., 1991a. *A review of the scarce and threatened bees wasps and ants of Great Britain*. Research and Survey in Nature Conservation No. 35. Peterborough : Nature Conservancy Council.
- FALK, S., 1991b *A review of the scarce and threatened flies of Great Britain*, (part 1). Research and Survey in Nature Conservation No. 39. Peterborough : Nature Conservancy Council.
- HODGE, P. J. & PORTER, D. A., 1997. *Nysius senecionis* (Schilling) (Hemiptera: Lygaeidae) new to the British Isles. *Br. J. Ent. Nat. Hist.*, **10** : 1 - 2.

HYMAN, P. S., (revised PARSONS, M. S.), 1992. *A review of the scarce and threatened Coleoptera of Great Britain, part 1*. UK Nature Conservation No. 3. Peterborough : Joint Nature Conservation Committee.

3. SPECIES RECORDED ON 13TH AUGUST 2005

<u>SPECIES</u>	<u>FIELD 1</u>	<u>FIELD 2</u>	<u>FIELD 3</u>	<u>NOTES</u>
COLEOPTERA (Beetles)				
APIONIDAE (Weevils)				
<i>Acanephodus onopordi</i>	+			
<i>Oxystoma cerdo</i>		+		Nationally Scarce (Nb)
<i>Protapion fulvipes</i>	+		+	
CANTHARIDAE (Soldier beetles)				
<i>Rhagonycha fulva</i> (Bloodsucker)	+	+	+	
CARABIDAE (Ground beetles)				
<i>Demetrias atricapillus</i>	+			
<i>Dromius linearis</i>	+			
<i>Harpalus rufipes</i>		+		
<i>Harpalus affinis</i>				
CHRYSOMELIDAE (Leaf beetles)				
<i>Altica lythri</i>			+	
<i>Aphthona euphorbiae</i>		+		
<i>Chalcoides plutus</i>		+		
<i>Longitarsus flavicornis</i>	+			
COCCINELLIDAE (Ladybirds)				
<i>Coccinella septempunctata</i> (7 Spot)	+	+	+	
<i>Propylea quatuordecimpunctata</i>	+	+	+	
<i>Rhizobius litura</i>	+	+	+	
<i>Tytthaspis sedecimpunctata</i>	+	+	+	
22 Spot Ladybird	+			
<i>Demetrias atrocapillus</i>	+			
CURCULIONIDAE (Weevils)				
<i>Ceutorhynchus pallidactylus</i>	+			
<i>Curculio salicivorus</i>	+			
<i>Liophloeus tessulatus</i>	+			
<i>Sitona hispidulus</i>	+			
<i>Sitona lepidus</i>	+			
<i>Sitona lineatus</i>	+	+	+	
OEDEMERIDAE				
<i>Oedemera nobilis</i>	+	+		
PHALACRIDAE				
<i>Olibrus aeneus</i>		+		

<u>SPECIES</u>	<u>FIELD 1</u>	<u>FIELD 2</u>	<u>FIELD 3</u>	<u>NOTES</u>
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DERMAPTERA (Earwigs)

FORFICULIDAE

Forficula auricularia (Common Earwig) +

DIPTERA (Flies)

Sphaerophoria spp (Hoverfly)

Helophilus pendulus (Hoverfly) +

Volucella pelluscens (Hoverfly) +

Melanostoma ?scalare (Hoverfly) +

Eristalis tenax (Drone-fly) +

Sarcophaga carnaria (Flesh-fly) +

Greenbottle Fly

STRATIOMYIDAE (Soldier flies)

<i>Pachygaster leachii</i>	+			
SYRPHIDAE (Hover-flies)				
<i>Episyrphus balteatus</i>	+			
<i>Sphaerophoria scripta</i>			+	
TEPHRITIDAE (Picture-winged flies)				
<i>Sphenella marginata</i>			+	
<i>Terphritis divisa</i>	+		+	Previously unknown in U.K.

HEMIPTERA-HETEROPTERA (Bugs)

ACANTHOSOMATIDAE (Shield bugs)				
<i>Acanthosoma haemorrhoidale</i>	+			
COREIDAE (Squash bugs)				
<i>Coreus marginatus</i>	+			
LYGAEIDAE (Ground bugs)				
<i>Gastrodes grossipes</i>	+			
<i>Heterogaster urticae</i>	+			+
<i>Nysius senecionis</i>			+	
MIRIDAE (Capsid bugs)				
<i>Deraeocoris lutescens</i>	+			
<i>Dicyphus epilobii</i>	+			
<i>Heterotoma meriopterum</i>	+			
<i>Liocoris tripustulatus</i>	+		+	
<i>Notostira elongata</i>	+			
<i>Phytocoris tiliae</i>	+		+	
<i>Phytocoris varipes</i>	+		+	+
<i>Plagiognathus arbustorum</i>	+		+	+
<i>Stenodema calcaratum</i>	+			

HEMIPTERA-HOMOPTERA (Bugs)

CERCOPIDAE				
<i>Neophilaenus lineatus</i>	+			
<i>Philaenus spumarius</i>	+		+	+
CICADELLIDAE				
<i>Aphrodes makarovi</i>			+	+

HYMENOPTERA (Bees, wasps, ants, etc)

Red Ant spp				
Black Ant spp				
ICHNEUMONIDAE				
<i>Pimpla ?instigator</i>	+			

SPECIES**FIELD 1 FIELD 2 FIELD 3 NOTES**

APIDAE (Bees)				
<i>Bombus lapidaries</i> (Lge Red-tail Bumb Bee)	+		+	+
<i>Bombus pascuorum</i> (Common Carder Bee)	+			
<i>Bombus terrestris</i> (Buff-tailed Bumble Bee)	+		+	+
<i>Apis mellifera</i> (Honeybee)	+			
White-tailed Bumble Bee				
POMPILIDAE (Spider-hunting wasps)				
<i>Anoplius nigerrimus</i>	+			
SPHECIDAE (Solitary wasps)				
<i>Alysson lunicollis</i>			+	Nationally Scarce (Nb)
<i>Andricus quercusalicis</i> gall	+			

LEPIDOPTERA (Butterflies and Moths)

NYMPHALIDAE				
<i>Aglais urticae</i> (Small Tortoiseshell)				+
<i>Vanessa atalanta</i> (Red Admiral)	+			+

<i>Cynthia cardui</i> (Painted Lady)	+			
SATYRIDAE				
<i>Maniola jurtina</i> (Meadow Brown)	+	+	+	
<i>Pyronia tithonus</i> (The Gatekeeper)	+	+	+	
<i>Melanargia galathea</i> (Marbled White)	+			
<i>Pararge aegeria</i> (Speckled Wood)				
PIERIDAE				
<i>Pieris brassicae</i> (Large White)	+	+	+	
<i>Pieris rapae</i> (Small White)	+	+	+	
LYCAENIDAE				
<i>Polyommatus icarus</i> (Common Blue)	+	+	+	
<i>Lysandra coridon</i> (Chalk-hill Blue)			+	A vagrant from the downs.
<i>Aricia agestis</i> (Brown Argus)			+	
<i>Lycaena phlaes</i> (Small Copper)				
HESPERIDAE				
<i>Thymelicus lineola</i> (Essex Skipper)	+			
ARCTIIDAE				
<i>Tyria jacobaeae</i> (Cinnabar Moth) larva	+			
<i>Eilema lurideola</i> (Common Footman)		+		
OECOPHORIDAE				
<i>Carcina quercana</i>		+		
PYRALIDAE				
<i>Agriphila tristella</i>	+	+		
ALUCITIDAE				
<i>Numonia advenella</i>	+			
TORTRICIDAE				
<i>Cochylis molliculana</i>				
<i>Pammene aurana</i>	+			
NEPTICULIDAE				
<i>Stigmella ruficapitella</i> leaf mine on oak				

ORTHOPTERA (Grasshoppers & crickets)

Rufus Grasshopper

ACRIDIDAE (Grasshoppers)

Chorthippus parallelus

(Meadow Grasshopper)

+ + +

SPECIES**FIELD 1 FIELD 2 FIELD 3 NOTES***Chorthippus curtipennis*

(Meadow Grasshopper)

TETRIGIDAE

Tetrix subulata

(Slender Ground-hopper)

+

TETTIGONIIDAE (Bush-crickets)

Conocephalus discolor

(Long-winged Cone-head)

+

+

+

Leptophyes punctatissima

(Speckled Bush-cricket)

+

ODONATA*Sympetrum striolatum* (Common Darter)

+

+

Brown Hawker

ARANEAE (Spiders)*Argiope bruennichi*

+

+

Nationally Scarce (Na)