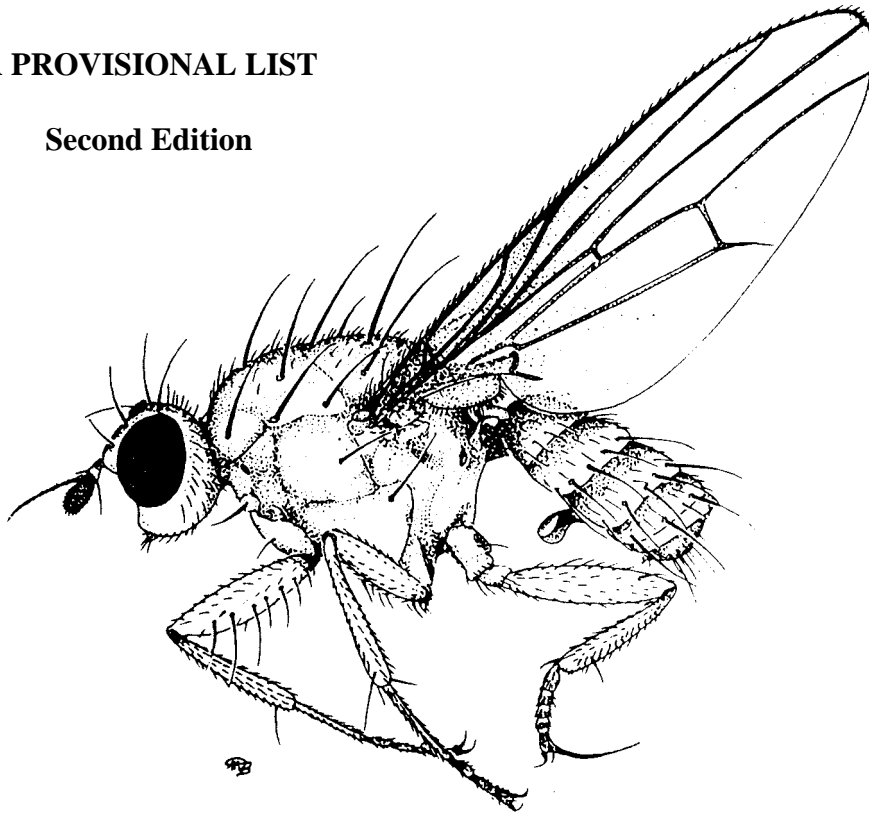


STAFFORDSHIRE FLIES

A PROVISIONAL LIST

Second Edition



David W. Emley

Staffordshire Biological Recording Scheme Publication

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Cover Illustration by Mike Bloxham

Aulogastromyia anisodactyla (Loew) : Lauxaniidae

INTRODUCTION

The word fly has been used to describe almost any form of winged insect as in, for example, mayfly, dragonfly and butterfly. In this booklet, however, we are concerned with the True Flies or Diptera which are characterised by (1) the possession of one pair of wings, though a few wing-less exceptions occur in the parasitic flies, (2) reduction of what were once the hind wings to form balancing organs or halteres, (3) an enlarged meso-thorax (central thoracic division) to accommodate the increased musculature needed by the wings, (4) mouthparts adapted for sucking and in some cases piercing.

There are over 6000 species of fly recorded in the British Isles and, with a few notable exceptions, most families are rather small and dull when compared to, say, the butterflies and moths. It is not surprising, therefore, that flies have been largely ignored by naturalists despite the fact that they form a significant portion of the invertebrate fauna.

Published data on Staffordshire diptera is, predictably, scarce. The first review of our fauna came with the publication, in 1908, of the *Victoria History of the County of Stafford* which listed some 300 species. An important list of over 500 species collected by H. Britten was edited by J. Edwards and published in the *Transactions of North Staffs. Field Club* (1951-52). J. Edwards amassed a collection of over 2000 specimens between 1930s and 1950s, but the records have never before been published. An atlas of distribution of Staffordshire Hoverflies was published in 1979 by G. Rotheray and the maps up-dated and extended by D. Emley in 1987. In 1986 M. Bloxham published a list of over 900 species in *Wildlife of Sandwell Valley*. In 1987 I produced a preliminary list of diptera to aid and encourage recording and this list provides the basis for the present publication.

The publication in 1983 of *British Hoverflies* by Stubbs and Falk generated a surge of interest in this family of flies and, in so doing, encouraged dipterists to look at other families. The result is that there are now national recording schemes for many of the more conspicuous families of flies. Being on the threshold of this new interest in flies, it seemed appropriate to review again our knowledge of the Staffordshire fauna so as to provide a further base-line on which to build.

AREA COVERED

There are a number of problems with recording distribution data on a county basis, the main one being that county boundaries tend to fluctuate. If we were only considering the situation today then this would not be a problem. However, with historical data, we often come across records pertaining to areas that are no longer in the county as we know it today. We could, of course, use the Ordnance Survey National Grid as our recording unit and, if we were producing maps, this is indeed the method that we would use. One has to remember, however, that on old maps this grid did not exist whereas boundaries, both county and physical, did. One also finds that naturalists are very parochial in their recording! These problems were recognized long ago by H.C. Watson (1804-81) in connection with recording the distribution of plants. Watson, as well as noting the problem of fluctuating county boundaries, also considered that, as recording units, some counties were too large and others too small. He therefore developed a system of more equi-sized units by dividing some counties and merging others. He called these vice-counties. This system is still used today; its main advantage being that it provides continuity of recording area, thus making it easier to compare historical distribution with that of the present day.

This publication covers the vice-county of Stafford which follows fairly closely the county boundary prior to the changes of 1974; thus including some areas, such as Sandwell Valley, that

are no longer within the present county boundary. An account of the vice-county system can be found in Dandy (1969)

The vice-county of Stafford measures, at the extremities, some 56 miles (90Km) north-south by 38 miles (60Km) east-west. A useful account of the physical and botanical aspects of the county can be found in Eedes (1972) and need not be repeated here. Suffice it to say that ranging in height up to 1684ft (513m) the county encompasses a wide range of habitat types including limestone dales, gritstone moors, acid heaths and bogs, deciduous and coniferous woodland, upland and lowland water bodies and even a small patch of saltmarsh! Given its central position the county is also home to species that are at either the northern or southern limits of their ranges. The scope for the dipterist is indeed extensive.

From a recorder's point of view the county covers all of 20 10Km squares with another 19 being partly in another county, 743 tetrads or 2970 1Km squares of the National Grid. To monitor the distribution of flies, even at the 10Km scale, with only a handful of dipterists to call on, is a seemingly impossible task. So why produce a booklet like this one? The easy answer is that one has to start somewhere! Recording is made easier if one has a base on which to build. Data does exist but it is scattered throughout the literature, in museums and dipterists' note-books. The first job is to gather all this together and produce an initial checklist. Having done that, maintaining the list is made considerably easier. A checklist provides a number of functions. For example, it lets the recorder know if his specimen is new to the county or whether it is widely distributed or restricted. Whilst this publication in no way claims to be comprehensive (indeed, there are huge gaps in our knowledge) the main advantage is that having an existing checklist encourages recorders to send in further records and, if it is up-dated regularly, they can see that their records are being put to good use in providing a more complete faunal picture, interesting to both amateur and professional naturalists and of value to county conservationists.

THE RECORDS

The records come from (1) literature, (2) old collections and notebooks of past recorders and (3) current active recorders. With a few exceptions it has not been possible to verify the literature records and this must be borne in mind when considering the very old records which are included for completeness. However, the Britten collection is housed at both the Merseyside and Manchester Museums, should any of the records need confirming. Indeed, Peter Chandler has checked through all the Mycetophilids and has kindly passed his findings on to me. The Edwards collection, on which many of the older records are based, is housed at the Stoke-on-Trent City Museum and Art Gallery. Unfortunately, by the time the Museum acquired the collection, it was in a poor condition, especially the Nematocera, and some families were missing altogether. Apart from the Nematocera, Anthomyiidae and those missing families I have checked through all the specimens and Peter Chandler has checked the Mycetophilids. Edwards kept a card index with his collection and, where the specimens no longer exist or are too damaged to be identifiable, I have used the data on that index. It should be noted that whilst Edwards' specimens carry the locality label "Alton", his card index refers to Dimmingsdale. It is generally agreed that Dimmingsdale is the correct locality, Alton merely being the nearest village. In most cases the records from current recorders are backed up with voucher specimens. I have not personally checked these but I'm sure that should any records be queried the person concerned would be only too happy to allow access to the specimens.

It is impossible to get every specimen checked by an expert and one has to rely on the accuracy of the collector to a large extent. It has been a great problem, especially with older data, to know

which records to include and which to omit. In the end I decided that it was more important to publish the record and to invite criticism and comment of the list so that future editions can be corrected as necessary. Where a record has been queried or is suspect, I have enclosed the species name in [] to indicate that the record is subject to confirmation. Correspondence can reach me c/o Department of Natural History, Stoke-on-Trent City Museum and Art Gallery, Bethesda Street, Hanley, Stoke-on-Trent, Staffs.

NOMENCLATURE

Given the state of flux of diptera identification and nomenclature it is a problem to know which names to use. It is important to be as up-to-date as possible but it is also important to be able to relate the most recent names to former names or synonyms. This is especially so when dealing with older records and when one considers that many of the key identification works are themselves, quite old. For many families Kloet and Hincks (1976) is still the only readily available checklist. However, many of the newer Royal Entomological Society's Handbooks and other monographs include checklists and these have been followed. Calyptrate nomenclature has undergone great change since Kloet and Hincks (1976) but there is no published list available. However, Adrian Pont (1989,91) has compiled up-to-date, but un-published lists, to all calyptrates with the exception of the Tachinidae. As these lists are freely available from him, I have decided to follow them but have retained the Kloet and Hincks names in brackets thus (=). The source of the nomenclature will be found at the head of each family account. Where no source is given, the nomenclature follows Kloet and Hincks (1976).

FORMAT

At the head of each family account will be found a short paragraph giving brief details about that family together with the number of species recorded in the county and the approximate number of species on the British list, based on the most recent checklists. For further information on the family the reader is directed to two excellent publications: Colyer and Hammond (1968) and Chinery (1973).

The first record following the species name constitutes, as far as I have been able to ascertain, the earliest recorded occurrence of that species in the county. Where possible each record is accompanied by an exact date with the following exceptions:

- a) Where a species has been noted several times in a single year at a single site, only the year is given.
- b) Where a species has been taken regularly from a site over a period of years, then the period is given eg. 1981-85 or 1981- if it is still being noted.
- c) Where a species has been taken regularly over the lifetime of the collector at a site, then no date is given as the active period of the collector is given on pages 5 & 6.

It is hoped that the inclusion of the date will give some idea of the flight period of the species concerned. This is followed, in brackets, by the initials of the collector or source reference. Finally, where appropriate, the Red Data Book codes have been added. These have been taken from Falk (1991). The codes are as follows:

RDB1 - Endangered; Taxa in danger of extinction and whose survival is unlikely if causal factors continue operating. It includes species known to occur in only one 10Km square, species

occurring in especially threatened habitats, species showing a rapid decline over the last 20 years and species believed to be extinct but which if re-discovered would need protection.

RDB2 - Vulnerable; Taxa believed likely to move into Endangered category in near future if causal factors continue operating. It includes species declining throughout their range, species in vulnerable habitats and species with low populations.

RDB3 - Rare; Taxa in small populations that are not at present endangered or vulnerable, but are at risk. It includes species estimated to exist in 15 or less 10Km squares.

Notable - Taxa estimated to occur in 16 to 100 10Km squares.

ACKNOWLEDGEMENTS

This publication would not have been made possible without the help of the many contributors that have sent me their records. I would like to thank them all, especially George and Maurice Arnold, Mike Brian, Eric Brown, Roger Hill and Adrian and Colin Plant. I owe an especial thanks to Mike Bloxham and Maurice Waterhouse who have not only sent me extensive lists of flies but have given me great help and encouragement during the production of this booklet. Mike also provided the excellent cover illustration. Thanks are due to Steve Potter and Dave Smallshire for information relating to pest species in forestry and agriculture and to Geoff Halfpenny and his colleagues at the City Museum for giving me access to their records and specimens and for seeing this booklet through to publication. I would also like to thank those experts who have checked or identified many of the critical species. They are; Messrs. M. Ackland, P. Chandler, A. Pont, S. Falk, R. Crossley, P. Skidmore, A. Stubbs, I. White and Drs. J. Ismay, J. Robbins and G. Rotheray. In addition Mike Ackland, Peter Chandler, Roy Crossley, Peter Skidmore and Alan Stubbs have all commented on sections of the list for which they have particular expertise. I must also thank the University of Keele for, without the use of its computer facilities, this booklet would not have been produced. My thanks also go to Terry Doyle who helped with the maps by introducing me to AutoCAD, the best thing since sliced bread for people like me who can't draw! Finally I would like to thank my wife Sue who, I don't think, quite realised what marrying an entomologist entailed. She has given me a great deal of support during the preparation of this booklet and, as well as becoming a dab-hand with a net, can even rattle off the names of quite a few species of fly. She has also checked what, to a non-entomologist, must be a very boring work!

David Emley
March 1992

KEY TO RECORDERS AND RECORD SOURCES

- AES A.E. Stubbs; tipulids from North Staffs 1991
- ARP A.R. Plant; records of Empididae and Dolichopodidae from 1988 onwards
- A&GK A. and G. Knight; Hoverfly records from garden in Wolverhampton 1980 onwards
- BR B. Riley; a partner in a veterinary centre at Leek. He has provided comments on the occurrence of parasites of sheep, cattle and horses.
- CB C. Brett; *Notes on gall-making Cecidomyiidae in Alton*, Brett (1902,1905).
- CJW C.J. Wainwright; Colwich. In (VCH)
- CWP C.W. Plant; flies from the Churnet Valley and Clayton 1990
- DS D. Sumner; list of Hoverflies from Crowgutter in the Churnet Valley 19/8/1990. In; *NW Regional Hoverfly Recording Group Newsletter* No. 3, 1991
- DWE D.W. Emley; Hoverflies 1978 onwards, other groups 1980 onwards. Voucher material in personal collection with card index
- EB Edwin Brown; *Flora and Fauna of District Surrounding Tutbury and Burton-on-Trent* in Mosley (1863); *Natural History of Tutbury*.
- EcB Eric Brown; list of diptera mainly from the Wolverhampton area 1979-1989
- FJ Rev. F.C.R. Jourdain; Dovedale. In (VCH).
- G&MAA G. and M.A. Arnold; comprehensive records of leaf-mining diptera from the Tamworth area 1974 onwards, published in *Annual Reports of Alvecote Pools Nature Reserve and Surrounding Area*. Specimens identified or confirmed by J. Robbins.
- GER G.E. Rotheray; *Atlas of Staffordshire Hoverflies* (1979)
- GHV G.H. Verrall; Dovedale and Colwich. In (VCH)
- HB H. Britten; A list of diptera collected by Britten in Staffordshire in 1930s and 40s, mainly in the Madeley area, was published in *Transactions of North Staffs. Field Club* (1951 and 1952). See (HWD).
- HWD H.W. Daltry; Daltry kept a notebook in which he detailed insects caught at a site called Round Hollies (at the top of Bar Hill, Madeley), his garden in Madeley, and a number of other sites. The majority of the diptera were caught by his friend H. Britten. Daltry's notebook still exists and contains species that are not referred to in the published list. Where there are differences between the notebook and the published list regarding dates and locations, I have taken the notebook as being the true record. Other records of Daltry are in (JE).
- JAL J.A. Lawrence; Betley Mere 1990. Specimens in DWE collection.
- JCD J.C. Deeming; a list of specimens caught by him in the Alton area and housed in National Museum of Wales.
- JE J. Edwards; an extensive collection of diptera made between 1935 and 1955. Collection and card index housed in City Museum and Art Gallery, Stoke-on-Trent.
- JEC Several publications by J.E. Collin cite Staffordshire as a locality.
- JR J. Robbins. A list of leaf-miners from Sandwell Valley 27/7/1991. He also identified specimens from Alvecote Pools area.
- KGVS K.G.V. Smith; lists of diptera from Wolverhampton area plus the following papers Smith (1956, 1959, 1968,1978)
- MCB M.C. Brian; collection of hoverflies and some brachycera 1986 onwards. Non-syrphid component of malaise trap catches at Sandon Hall in 1991 were identified by DWE; specimens now in his collection.

- MGB M.G. Bloxham; extensive collection of diptera from Sandwell Valley 1972 onwards. All records are supported by voucher specimens. A list was published in *Wildlife of Sandwell Valley* (1986)
- MR M. Redfern; Tephritids from the Kinver area 1981-90.
- MW M. Waterhouse; diptera records mainly from the Coombes and Churnet Valley woodlands 1970 onwards with the majority post 1980. Voucher specimens are to be found in his personal collection and that of the City Museum and Art Gallery, Stoke-on-Trent.
- NCC Nature Conservancy Council; records from their reserves at Aqualate and Motte Meadows in the 1980s submitted by A. Warne and R.A. Tribbeck.
- NTBS National Trust Biological Survey 1983/84; recorders - D.K. Clements and K.N.A. Alexander
- NVic Report of the wildlife found in the grounds of the New Victoria Theatre, Basford by R.G. Warren and R.A. Tribbeck; 1984/85.
- NW N. Wyatt; diptera records 1983-84 from Mid Staffordshire.
- PC P. Chandler: Mycetophilids from Coombes Valley 1990
- RCB R.C. Bradley; in (VCH) and collection in Birmingham Museum.
- RG R. Garner (1844); *Natural History of the County of Stafford*.
- RGW R.G. Warren; a few diptera records in (JE).
- RJT R.J. Thomas; a few Agromyzids identified by J. Robbins.
- SBRC Staffordshire Biological Records Centre
- SOTES Report of the Stoke-on-Trent Environmental Survey, 1984/85.
- VCH *Victoria History of the County of Stafford*; Part 1. (1908), edited by W. Page.
- WSP W.S. Plant; collection of plant galls 1970's-1988 now housed in Passmore-Edwards Museum. Unfortunately there is little locality data attached to the specimens. Wilf Plant gave me a list of species that he had found in the county, but again there was no locality data to go with it.

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In this list RESL stands for Royal Entomological Society of London

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Classification of the Diptera based on Kloet & Hinks (1976)

<i>Sub-Order</i> NEMATOCERA		<i>Sub-Order</i> BRACHYCERA	
1 Trichoceridae	10 Chironomidae	18 Stratiomyidae	24 Therevidae
2 Tipulidae	11 Simuliidae	19 Xylomyiidae	25 Scenopinidae
3 Psychodidae	12 Anisopidae	20 Xylophagidae	26 Acroceridae
4 Ptychopteridae	13 Bibionidae	21 Rhagionidae	27 Bombyliidae
5 Dixidae	14 Mycetophilidae	22 Tabanidae	28 Empididae
6 Chaoboridae	15 Sciaridae	23 Asilidae	29 Dolichopodidae
7 Culicidae	16 Scatopsidae		
8 Thaumaleidae	17 Cecidomyiidae		
9 Ceratopogonidae			
<i>Sub-order</i> CYCLORRHAPHA			
<i>Series</i> ASCHIZA	<i>Series</i> SCHIZOPHORA		
	<i>Section</i> ACALYPTRATAE	<i>Section</i> CALYPTRATAE	
30 Lonchopteridae	36 Tephritidae	56 Piophilidae	76 Oestridae
31 Phoridae	37 Platystomatidae	57 Opomyzidae	77 Gasterophilidae
32 Platypezidae	38 Otitidae	58 Clusiidae	78 Tachinidae
33 Pipunculidae	39 Micropezidae	59 Oдиниidae	79 Rhinophoridae
34 Syrphidae	40 Megamerinidae	60 Carniidae	80 Sarcophagidae
35 Conopidae	41 Tanypezidae	61 Acarthophthalmidae	81 Calliphoridae
	42 Psilidae	62 Periscelididae	82 Scathophagidae
	43 Helcomyzidae	63 Aulacigastridae	83 Anthomyiidae
	44 Dryomyzidae	64 Anthomyzidae	84 Faniidae
	45 Chamaemyiidae	65 Asteiidae	85 Muscidae
	46 Lauxaniidae	66 Camillidae	86 Hippoboscidae
	47 Coelopidae	67 Ephydriidae	87 Nycteribiidae
	48 Heleomyzidae	68 Diastatidae	
	49 Chyromyidae	69 Drosophilidae	
	50 Sepsidae	70 Milichiidae	
	51 Sciomyzidae	71 Tethinidae	
	52 Sphaeroceridae	72 Canacidae	
	53 Pallopteridae	73 Braulidae	
	54 Lonchaeidae	74 Agromyzidae	
	55 Neottiophilidae	75 Chloropidae	

Sub-order : **NEMATOCERA**

1. **TRICHOCERIDAE** (Winter Gnats)

Small flies resembling craneflies but with a characteristic wing venation. Although they are to be found throughout the year, the males are particularly noticeable during the winter when, on warmer days, even with snow on the ground, they assemble in swarms in order to attract the females. The larvae are to be found in leaf mould, fungi and decaying plant material. [6/9]

Trichocera

annulata Meigen : Newcastle 9/10/1949, Alton 10/9/1950 (JE); Sandwell Valley (MGB); Coombes Valley 12/10/1990 (MW)

hiemalis Degeer : "very common" Burton (EB); Madeley (HB); Dimmingsdale, Alton (JE); Sandwell Valley (MGB); Coombes Valley October-March (MW)

[*maculipennis* Meigen] : Newcastle 25/6/1947, Alton 12/4/1947 (JE). **Notable**

major Edwards : Madeley 14/11/1936 (HB); Dimmingsdale 10/1/1949 (JE)

regelationis Linnaeus : Madeley 21/2/1936 (HB); Newcastle (JE); Trent Vale, Loggerheads (DWE); Coombes Valley (MW); Sandwell Valley (MGB). Common everywhere.

saltator Harris : Madeley 14/11/1936 (HB); Newcastle 20/12/1948, Alton 24/9/1949 (JE); Sandwell Valley 12/10/1978 (MGB); Coombes Valley 14/3/1987- (MW)

2. **TIPULIDAE** (Craneflies, Daddy Long-legs)

One of the few groups of flies that is recognised by everyone. The adults are long-legged, mainly brown in colour, though some are black and yellow, and with either clear or mottled wings. They tend to feed on nectar and the swarming habit is well developed in the males of some species. The larvae live either underground, around damp margins of pools, in decaying wood or on terrestrial plants. The gardener and farmer will be especially familiar with the well-known leatherjackets that live underground where they feed on the roots of various plants, grasses and cereals. In some years they can become a major pest. [149/300+]

TIPULINAE

Prionocera

turcica Fabricius : Burnt Wood 2/7/1935 (HB); Sandwell Valley August 1990 (MGB)

DOLICHOPEZA

albipes Stroem : Cannock Chase 4/6/1895 (RCB); Dimmingsdale 13/5/52 (JE); Coombes Valley 23/6/1991 (MW)

CTENOPHORA

Subgenus CTENOPHORA

pectinicornis Linnaeus : Cannock Chase (Coe, 1950) this was erroneously reported as *ornata* Meigen in Coe (1950); Dimmingsdale 1948 to 1952 (JE); Coombes Valley 25/06/1986- (MW), Keele University 4/7/1991 (DWE) **Notable**

Subgenus TANYPTERA

atrata Linnaeus : Madeley 14/5/1936 (HB); Bishop's Wood 1950, 1951 (JE) **RDB2**

f.ruficornis Meigen : Madeley 17/5/1945 (HWD); Coombes Valley (MW)

nigricornis Meigen : Dimmingsdale 1947 to 1949 (JE); Coombes Valley 21/6/1987 (MW).

RDB3

NEPHROTOMA

appendiculata Pierre : Cannock Chase (RCB); Madeley 16/5/1936 (HB); Alton, Dimmingsdale (JE); Dovedale 1983 (NTBS); Sandwell Valley 1/6/1980 (MGB); Coombes Valley 1986 (MW); Motte Meadows 1982 (NCC); Downs Banks 20/6/1985 (CWP).

cornicina Linnaeus : Sandwell Valley 20/8/1986 (MGB)

crocata Linnaeus : Burton (EB); Cannock (RCB); Dimmingsdale (JE). **RDB3**

flavescens Linnaeus : Madeley abundant 3/7/1935 (HB); Dimmingsdale (JE); Wolverhampton July 1977 (KGVs); Sandwell Valley 29/6/1980 (MGB); Coombes Valley 1986, Bunster Hill 9/7/1991 (MW)

flavipalpis Meigen : Newcastle 27/5/1947, Dimmingsdale (JE); Sandwell Valley 13/7/1979 (MGB)

lunulicornis Schummel : Coombes Valley 12/06/1986 (MW). **Notable**

quadrifaria Meigen : Burton (EB); Cannock Chase (RCB); Sandwell Valley 8/7/1980 (MGB); Coombes Valley 1986 (MW); Motte Meadows 1982 (NCC)

quadristriata Schummel : Motte Meadows 1982 (NCC). **RDB2**

scurra Meigen : Maer Woods 8/7/37 (HB); Sandwell Valley 10/8/1979 (MGB)

submaculosa Edwards : Coombes Valley 14/6/1986 (MW)

TIPULA

Subgenus SCHUMMELIA

variicornis Schummel : Burton (EB); Cannock Chase (RCB); Dimmingsdale (JE); Sandwell Valley 24/4/1982 (MGB); Loynton Moss (DWE); Coombes Valley, Crowgutter, Churnet Woods (MW)

Subgenus SAVTSHENKIA

alpium Bergroth : Bishop's Wood 17/5/1954 (JE); Coombes Valley 5/10/1986 (MW)

[*griseascens* Zetterstedt] : Basford May 1984 (NVic). **RDB3**

marmorata Meigen : Cannock Chase (RCB); Madeley 9/9/1937 (HB); Coombes Valley (MW); Loggerheads 1990 (DWE); Sandwell Valley August and September (MGB)

obsoleta Meigen : Sandwell Valley 13/8/1979 (MGB)

pagana Meigen : abundant Madeley 19/9/1936 (HB); Dimmingsdale 24/9/1949 (JE); Sandwell Valley September and October (MGB); Coombes Valley, Churnet Woods (MW)

rufina Meigen : Dimmingsdale 1947 to 1949 (JE); Sandwell Valley 20/5/1978 (MGB); Coombes Valley 10/9/1985- (MW)

signata Staeger : Madeley 27/10/1945 (HB); Coombes Valley 19/9/1990 (MW)

staegeri Nielsen : Sandwell Valley 12/10/1979 (MGB); Loggerheads October 1990 (DWE); Coombes Valley 16/10/1990, Churnet Woods 19/10/1990 (MW)

subnodicornis Zetterstedt : Cannock Chase 18/6/1931 (HB); Alton 22/4/1953, Chartley Moss 21/5/1953 (JE); Basford 1984/85 (NVic)

Subgenus OREOMYZA

pabulina Meigen : Dovedale May 1983 (NTBS)

Subgenus PTERELACHISUS

irrorata Macquart : "common" Coombes Valley 14/5/1940 (HB); Sandwell Valley 12/7/1989 (MGB)

meigeni Mannheims : Dimmingsdale 21/5/1949 to 29/5/1951 (JE)

pseudovariipennis Czizek : Coombes Valley 1986 (MW) **Notable**

variipennis Meigen : Dovedale (GHV); Cannock Chase (RGB); Dimmingsdale (JE); Dovedale May 1983 (NTBS); Sandwell Valley 27/5/1979 (MGB); Coombes Valley 14/6/1986- (MW)

Subgenus BERINGOTIPULA

unca Wiedemann : Madeley 3/7/1935 (HB); Loynton Moss 10/5/87 (DWE); Sandwell Valley 13/6/1982 (MGB); Churnet Woods, Coombes Valley 25/6/86 (MW); Mottey Meadows 1982 (NCC)

Subgenus DENDROTIPULA

flavolineata Meigen : Dovedale May 1983 (NTBS); Coombes Valley 20/6/1986, Churnet Woods 4/7/1991 (MW)

Subgenus VESTIPLEX

scripta Meigen : Maer Woods 27/6/1938 (HB); Dimmingsdale (JE); Dovedale May 1983 (NTBS); Coombes Valley 14/6/1986-, Crowgutter, Churnet Woods 4/7/1991 (MW); Sandwell Valley 1/7/1982 (MGB); Aqualate (NCC)

Subgenus LUNATIPULA

cava Riedel : Madeley 3/7/1935 (HB)

fascipennis Meigen : Sandwell Valley 20/6/1982 (MGB); Basford 1984/85 (NVic); Coombes Valley 1986-, Churnet Woods 4/7/1991 (MW); Mottey Meadows 1982 (NCC)

lunata Linnaeus : Cannock Chase (RCB); Dovedale May 1983 (NTBS); Aqualate (NCC); Sandwell Valley 23/5/1976 (MGB); Coombes Valley 14/6/1986 (MW)

pelio stigma Schummel : Coombes Valley (MW). **Notable**

vernalis Meigen : Dimmingsdale 13/6/1946, 11/6/1951 (JE); Dovedale May 1983 (NTBS); Coombes Valley 12/6/1986- (MW)

Subgenus PLATYTIPULA

luteipennis Meigen : Madeley 18/9/1936 (HB); Sandwell Valley 7/10/1979 (MGB); Coombes Valley 12/10/1990 (MW)

Subgenus YAMATOTIPULA

lateralis Meigen : Madeley 3/7/1935 (HB); Dovedale May 1983 (NTBS); Mottey Meadows 1982 (NCC); Sandwell Valley 22/9/1979 (MGB)

montium Egger : Dovedale May 1983 (NTBS)

pruinosa Wiedemann : Madeley 21/6/1935 (HB); Coombes Valley 14/6/1986- (MW); Mottey Meadows 1982 (NCC); Sandwell Valley 5/7/1987 (MGB)

solstitialis Westhoff : Madeley 21/6/1935 (HB); Dimmingsdale, Alton (JE); Sandwell Valley 23/5/1976 (MGB); Coombes Valley 10/9/1985- (MW)

Subgenus TIPULA

oleracea Linnaeus : "common" (RG); Burton (EB); "very common" (VCH); Burnt Wood 10/9/1939 (HB); Dimmingsdale 1946 to 1952 (JE); Coombes Valley, Mermaid Inn (MW); Keele University 8/9/1987 (DWE); Sandwell Valley 7/5/1976 onwards (MGB)

paludosa Meigen : Madeley 14/8/1936, Burnt Wood 10/3/1939 (HB); Dimmingsdale 7/4/1947 (JE); Coombes Valley, Churnet Woods (MW); Aqualate (NCC); Sandwell Valley September (MGB)

Subgenus ACUTIPULA

fulvipennis Degeer: Dimmingsdale 30/7/1945 to 30/7/1951 (JE); Coombes Valley 1986-, Rudyard 6/7/1991 (MW); Sandwell Valley July and August (MGB)

luna Westhoff : Dimmingsdale 11/6/1951 (JE); Coombes Valley 25/6/1986 (MW); Sandwell Valley 26/5/1984 (MGB); Aqualate, Motte Meadows (NCC)

maxima Poda : Dimmingsdale 13/6/1946 (JE); Sandwell Valley May and June (MGB); Coombes Valley 1986, Churnet Woods (MW); Motte Meadows 1982 (NCC)

vittata Meigen : Madeley 30/4/1936 (HB); Newcastle 2/5/1946, Dimmingsdale 23/5/1950 (JE); Sandwell Valley 10/5/1979 (MGB); Coombes Valley 1986 (MW); Motte Meadows 1982 (NCC)

CYLINDROTOMINAE

CYLINDROTOMA

distinctissima Meigen : Cannock Chase 4/6/1895 (RCB); Dimmingsdale 1948 to 1957 (JE); Coombes Valley 14/6/1986 (MW); Aqualate (NCC)

LIMONIINAE

LIMONIINI

LIMONIA

Subgenus METALIMNOBIA

bifasciata Schrank : Dimmingsdale 19/9/1951, Needwood 18/5/1952 (JE); Churnet Woods, Crowgutter 5/7/1987 (MW); Sandwell Valley 22/7/1987 (MGB)

quadrinotata Meigen : Dimmingsdale 16/7/1949 (JE)

Subgenus LIMONIA

flavipes Fabricius : Dimmingsdale 21/5/1949 (JE); Dovedale May 1983 (NTBS); Coombes Valley 4/6/1991 (MW)

macrostigma Schummel : Cannock Chase 2/6/1895 (RCB); Madeley 5/7/1937 (HB); Sandwell Valley 8/10/1981 (MGB); Coombes Valley 16/6/1987 (MW)

masoni Edwards : Dovedale May 1983 (NTBS); Coombes Valley 25/6/1986 (MW). **RDB3**

nigropunctata Schummel : Dovedale 17/6/1938 (HB) and May 1983 (NTBS)

nubeculosa Meigen : Burton (EB); Dimmingsdale, Chartley Moss (JE); Dovedale May 1983 (NTBS); Sandwell Valley September and October (MGB); Coombes Valley 10/9/1985- (MW)

tripunctata Fabricius : Cannock Chase 4/6/1895 (RCB); Burton (EB); Dimmingsdale, Bishop's Wood (JE); Dovedale May 1983 (NTBS); Sandwell Valley 25/6/1979 (MGB); Coombes Valley 25/6/1986 (MW); Motte Meadows 1982 (NCC)

trivittata Schummel : Madeley 15/6/1933 (HB); Coombes Valley (MW). **Notable**

Subgenus NEOLIMONIA

dumetorum Meigen : Madeley 5/7/1937 (HB); Dimmingsdale 30/7/1951 (JE); Sandwell Valley 12/6/1984 (MGB); Basford 1984/85 (NVic); Coombes Valley 2/7/1991 (MW)

Subgenus ACHYROLIMONIA

decemmaculata Loew : Sandwell Valley 18/5/1983 (MGB)

Subgenus DICRANOMYIA

chorea Meigen : Madeley 16/11/1936, Coombes Valley 27/5/1939 (HB) and 13/10/1990 (MW); Newcastle, Dimmingsdale (JE); Dovedale May 1983 (NTBS); Sandwell Valley May and June (MGB)

didyma Meigen : Dovedale 20/5/1939 (HB); Dimmingsdale 1951 (JE); Sandwell Valley 2/6/1979 (MGB); Churnet Woods 4/7/1991 (MW)

fusca Meigen : Coombes Valley 10/8/1986 (MW)

lucida de Meijere : Basford 1984/85 (NVic) **Notable**

mitis Meigen : Sandwell Valley 2/6/1979 (MGB); Dovedale 1983 (NTBS)

mitis f. *lutea* Meigen : Coombes Valley 29/9/1985 (MW)

modesta Meigen : Burton (EB); Sandwell Valley 19/9/1982 (MGB); Coombes Valley 15/10/1990, Dimmingsdale 12/11/1990 (MW)

ornata Meigen : Dovedale 16/6/1932 (HB). **Notable**

Subgenus MELANOLIMONIA

morio Fabricius : Sandwell Valley 22/10/1988 (MGB)

Subgenus RHIPIDIA

duplicata Doane : Cannock Chase 4/6/1895 (RCB); Colwich (GHV); Burton (EB); Madeley 21/5/1937 (HB); Dimmingsdale, Bishop's Wood (JE); Dovedale May 1983 (NTBS); Sandwell Valley 26/5/1982 (MGB); Coombes Valley (MW); Motte Meadows 1982 (NCC)

ANTOCHA

vitripennis Meigen : Dovedale 8/7/1991 (MW)

ORIMARGA

virgo Zetterstedt : Dovedale 9/7/1991 (MW) **RDB3**

HELIUS

flavus Walker : Madeley 23/6/1936 (HB) **Notable**

longirostris Meigen : common Madeley 23/6/1936 (HB); Coombes Valley 6/8/1987 (MW)

pallirostris Edwards : Sandwell Valley 22/7/1989 (MGB)

PEDICIINI

PEDICIA

Subgenus PEDICIA

rivosa Linnaeus : (RG); Cannock Chase 2/8/1890 (RCB); Alton 1/6/1947, Dimmingsdale, Belmont Pool (JE); Sandwell Valley 2/6/1979 (MGB); Coombes Valley, Churnet Woods 31/5/1987 (MW)

Subgenus CRUNOBIA

littoralis Meigen : Dimmingsdale 6/6/1949, Star Wood 24/5/1952, Ipstones 5/6/1954 (JE); Churnet Woods 14/9/1990, Coombes Valley 31/5/1987 (MW)

straminea Meigen : Dimmingsdale 11/9/1949 to 1952 (JE); Coombes Valley 14/9/1990 (MW)

Subgenus AMALOPIS

occulta Meigen : Dimmingsdale 21/9/1951 (JE); Churnet Woods 14/9/1990, Coombes Valley 25/10/1990 (MW)

Subgenus TRICYPHONA

immaculata Schummel : "abundant" Madeley 15/5/1936 (HB); Dimmingsdale 1950 (JE); Sandwell Valley 29/5/1979 (MGB); Coombes Valley 21/9/1985- (MW); Mottey Meadows 1982 (NCC)

schummeli Edwards : Mermaid Inn 2/7/1991 (MW)

DICRANOTA

Subgenus DICRANOTA

bimaculata Schummel : Dimmingsdale 10/5/1954 (JE); Coombes Valley 10/8/1986 (MW); Mottey Meadows 1982 (NCC)

Subgenus PARADICRANOTA

gracilipes : Coombes Valley 9/10/1991 (AES)

pavida Haliday : Coombes Valley 12/7/1991 (MW)

robusta Lundstroem : Coombes Valley 28/4/1940 (HB) and 1990 (MW). **RDB3**

subtilis Loew : Coombes Valley 1/5/1987- (MW)

ULA

[*sylvatica* Meigen] : Coombes Valley 6/10/1940 (HB) & (MW); Dimmingsdale 1950/52 (JE); Tettenhall 1954 (KGVs); Sandwell Valley 7/10/1979 (MGB). Species now split in to two (AES)

HEXATOMINI

PARADELPHOMYIA

Subgenus OXYRHIZA

dalei Edwards : Coombes Valley 2/10/1990 (MW)

nielsenii Kuntze : Madeley 5/7/1937 (HB). **Notable**

senilis Haliday : Madeley 5/7/1937 (HB); Sandwell Valley 22/7/1987 (MGB); Coombes Valley 5/9/1990 (MW)

EPIPHRAGMA

ocellaris Linnaeus : Dimmingsdale 17/7/1951 (JE); Loynton Moss 8/6/1986 (DWE); Dovedale May 1983 (NTBS); Sandwell Valley 9/6/1989 (MGB); Coombes Valley 20/6/1986-, Churnet Woods 24/6/1991 (MW)

AUSTROLIMNOPHILA

ochracea Meigen : Madeley 28/5/1936, Dimmingsdale 1950, Newcastle 1951 (JE); Dovedale May 1983 (NTBS); Sandwell Valley 21/6/1979 (MGB); Coombes Valley 14/6/1986- (MW)

DACTYLOLABIS

transversa Meigen : Manifold Valley 18/6/1938 (HB); Coombes Valley 4/6/1991 (MW)
Notable

PSEUDOLIMNOPHILA

lucorum Meigen : Madeley 26/6/1936 (HB); Coombes Valley 14/6/1986 (MW); Sandwell Valley 27/6/1989 (MGB)
sepium Verrall : Madeley 5/7/1937 (HB)

LIMNOPHILA

Subgenus ELOEOPHILA

maculata Meigen : Madeley 23/7/1935 (HB); Dimmingsdale 1949/51, Chartley Moss 3/7/1954, Sandwell Valley 30/5/1988 (MGB); Coombes Valley 24/6/1991, Churnet Woods 4/7/1991, Dovedale 9/7/1991, Mermaid Inn 2/7/1991 (MW); Motte Meadows 1982 (NCC)
submarmorata Verrall : Colwich (GHV)

Subgenus IDIOPTERA

pulchella Meigen : Blakemere (Loynton Moss) 24/6/1935 (HB); Chartley Moss 27/6/1954 (JE); Mermaid Inn 23/7/1987 (MW). **Notable**

Subgenus PHYLIDOREA

ferruginea Meigen : Madeley 21/6/1935-1938 (HB); Dimmingsdale 17/7/1951, Sandwell Valley 23/9/1980 (MGB); Motte Meadows 1982 (NCC)
squalens Zetterstedt : Mermaid Inn 2/7/1991 (MW)

Subgenus EUPHYLIDOREA

dispar Meigen : Motte Meadows 1982 (NCC)
fulvonervosa Schummel : Coombes Valley 14/6/1986, Mermaid Inn 23/7/1987 (MW)
lineola Meigen : Madeley 26/6/1935-1936, Burnt Wood 10/9/1939 (HB); Sandwell Valley 25/5/1980 (MGB); Coombes Valley (MW); Motte Meadows 1982 (NCC)
meigeni Verrall : Manifold Valley 15/6/1938 (HB); Coombes Valley 29/9/1985, Mermaid Inn 23/7/1987 (MW); Sandwell Valley 13/8/1989 (MGB)
phaeostigma Schummel : Coombes Valley 14/6/1986 (MW)

Subgenus LIMNOPHILA

punctata Schrank : Dimmingsdale 13/5/1952 (JE); Coombes Valley 8/6/1986- (MW); Sandwell Valley 1/6/1981 (MGB)

Subgenus BRACHYLIMNOPHILA

adjuncta Walker : Motte Meadows 1982 (NCC)
nemoralis Meigen : Coombes Valley 14/6/1986 (MW); Sandwell Valley 22/7/1987 (MGB)

PILARIA

Subgenus NEOLIMNOMYIA

batava Edwards : Madeley 24/6/1935 (HB); Dimmingsdale 29/5/1949

Subgenus PILARIA

discicollis Meigen : Sandwell Valley 22/9/1979 (MGB); Motte Meadows 1982 (NCC)

ERIOPTERINI

NEOLIMNOPHILA

carteri Tonnoir : Dimmingsdale 29/5/1949 (JE) **Notable**

CRYPTERIA

limnophiloides Bergroth : Dimmingsdale 27/10/1950 (JE); Coombes Valley 15/10/1990 (MW)

GNOPHOMYIA

viridipennis Gimmerthal : Sandwell Valley 11/9/1979 (MGB) **Notable**

GONOMYIA

Subgenus GONOMYIA

[*lucidula* de Meijere ?] : Sandwell Valley 13/7/1987 (MGB); Berrisford Dale 28/6/1991 (MW).

A new species-split will require records re-checking (AES)

LIPSOTHRIX

[*errans* Walker] : Dovedale (GHV); Cannock Chase 3/6/1895 (RCB). **Notable**

remota Walker : Madeley 5/7/1937 (HB); Dimmingsdale 13/5/1952 (JE); Coombes Valley 13/7/1991 (MW)

GONEMPEDA

flava Schummel : Coombes Valley 21/6/1991 (MW)

CHEILOTRICHIA

Subgenus CHEILOTRICHIA

imbuta Meigen : Dovedale 8/7/1991 (MW) **Notable**

Subgenus PLATYTOMA

cinerascens Meigen : Madeley 24/5/1937, Burnt Wood 10/9/1939, Dimmingsdale 21/5/1944 (JE); Dovedale May 1983 (NTBS); Sandwell Valley 12/11/1978 (MGB); Coombes Valley 10/8/1985- (MW)

ERIOPTERA

Subgenus TRIMICRA

pilipes Fabricius : Alton 30/10/1950 (JE)

Subgenus SYMPLECTA

hybrida Meigen : Wrinehill Woods and Madeley 10/7/1937 (HB)

stictica Meigen : Sandwell Valley 13/9/1981 (MGB)

Subgenus ERIOPTERA

diuturna Walker : Sandwell Valley 30/9/1981 (MGB)

divisa Walker : Coombes Valley 1986 (MW); Sandwell Valley 27/7/1987 (MGB)

fuscipennis Meigen : "common" at Madeley 3/7/1935 (HB); Dimmingsdale 1/10/1949, Coombes Valley (MW); Motte Meadows 1982 (NCC); Sandwell Valley 27/7/1989 (MGB)

gemina Tjeder : Madeley 26/6/1935 (HB); Sandwell Valley 3/8/1989 (MGB)

griseipennis Meigen : Sandwell Valley 14/6/1979 (MGB)
lutea Meigen : Dimmingsdale 14/5/1949, Newcastle 22/7/1951 (JE); Sandwell Valley 19/5/1979 (MGB); Coombes Valley (MW); Mottey Meadows 1982 (NCC)
trivialis Meigen : Dimmingsdale 16/4/1949 (JE); Sandwell Valley 19/5/1979 (MGB); Coombes Valley 2/10/1990 (MW); Mottey Meadows 1982 (NCC)

Subgenus ILISIA

areolata Siebke : (Coe, 1950)
maculata Meigen : Madeley 3/7/1937 (HB); Sandwell Valley 4/8/1984 (MGB)
occoecata Edwards : Madeley 5/7/1937 (HB); Sandwell Valley 21/6/1989 (MGB)

ORMOSIA

Subgenus ORMOSIA

albitibia Edwards : Coombes Valley 1986 6/9/1987 (MW)
hederae Curtis : Madeley 15/5/1936, Newcastle 24/9/1951 (JE); Sandwell Valley 8/6/1979 - (MGB); Coombes Valley 6/6/1991 (MW)
lineata Meigen : Burton (EB); Coombes Valley 28/4/1940 (HB); Dimmingsdale 11/5/1951, Sandwell Valley 26/4/1984 (MGB)
nodulosa Macquart : Madeley 24/5/1937 (HB); Dimmingsdale 1949 (JE); Dovedale May 1983 (NTBS); Coombes Valley, Churnet Woods 19/10/1990 (MW); Sandwell Valley 2/6/1987 (MGB)

Subgenus RHYPHOLOPHUS

bifurcata Goetghebuer : Sandwell Valley 25/9/1981 (MGB); Coombes Valley 16/10/1990 (MW)
haemorrhoidalis Zetterstedt : Sandwell Valley 21/10/1984 (MGB); Coombes Valley 19/10/1990, Churnet Woods (MW)
varia Meigen : Dimmingsdale 1948 to 1949, Alton 9/9/1950 (JE); Coombes Valley 21/9/1985-, Churnet Woods (MW); Sandwell Valley 15/9/1989 (MGB)

MOLOPHILUS

appendiculatus Staeger : Dimmingsdale 17/9/1949 (JE); Coombes Valley 22/9/1990 (MW)
cinereifrons de Meijere : Sandwell Valley 6/9/1986 (MGB); Crowgutter 5/7/1987 (MW)
griseus Meigen : "common" Madeley 3/7/1935 (HB); Coombes Valley 22/9/1990, Dovedale 9/7/1991 (MW)
medius de Meijere : Churnet Woods 14/9/1990, Coombes Valley 12/10/1990, Dovedale 9/7/1991 (MW); Sandwell Valley 16/7/1987 (MGB)
obscurus Meigen : Mottey Meadows 1982 (NCC); Sandwell Valley 5/7/1987 (MGB)
occultus de Meijere : Cannock Chase 3/8/1890 (RCB); Mermaid Inn 2/7/1991 (MW)
ochraceus Meigen : Coombes Valley 8/9/1990, Churnet Woods 14/9/1990 (MW); Mottey Meadows 1982 (NCC); Sandwell Valley 6/9/1986 (MGB)
propinquus Egger : Dovedale (GHV). **Notable**
pusillus Edwards : Coombes Valley 19/7/1991 (MW)
serpentiger Edwards : Sandwell Valley 2/6/1987 (MGB)
undulatus Tonnoir : Coombes Valley 8/9/1990 (MW)

3. PSYCHODIDAE (Owl Midges)

These flies are also known as moth-flies because of the pointed, leaf-shaped wings that are covered in hairs, making them look like diminutive moths. They are often seen on an

illuminated window either resting or moving with a characteristic jerky gait. In the wild they can be found on leaves and tree trunks (especially in damp areas or after rain), around farms, cowsheds, caves and infact any place where organic matter is present. The larvae are found in mainly aquatic situations as well as in dung or wet and decaying matter generally. Their size is only of the order of 1mm or 2 mm so they tend to be ignored by most dipterists. The nomenclature follows Withers (1989). [25/78]

TRICHOMYIINAE

TRICHOMYIA

urbica Curtis : Coombes Valley 27/6/1987 (MW)

PSYCHODINAE

BOREOCLYTOCERUS (=Clytocerus)

dalii Eaton : Coombes Valley 22/6/1988 (MW)

PERICOMA

avicularia Tonnoir : Madeley 16/9/1939 (HB); Churnet Woods 14/9/1990, Coombes Valley (MW)

blandula Eaton : Coombes Valley 12/9/1990 (MW)

compta Eaton : Coombes Valley 22/6/1988 (MW)

diversa Tonnoir : Dovedale 20/6/1939 (HB)

exquisita Eaton : Coombes Valley 6/5/1939, Dovedale 20/6/1939 (HB); Churnet Woods 12/9/1990 (MW)

extricata Eaton : Churnet Woods 7/7/1988- (MW)

fallax Eaton : Churnet Woods 12/8/1989 (MW)

fuliginosa Meigen : Churnet Woods 23/9/1989, Coombes Valley 12/10/1990 (MW); Sandwell Valley 11/8/1989 (MGB)

neglecta Eaton : Coombes Valley (MW)

nubila Meigen : Burton (EB); Madeley 17/6/1939, Dovedale 20/6/1939, Burnt Wood 10/9/1939 (HB); Coombes Valley 2/10/1990 (MW)

palustris Meigen : Madeley 17/6/1939 (HB)

pilularia Tonnoir : Coombes Valley 21/10/1990 (MW)

trifasciata Meigen : Coombes Valley 6/5/1939 (HB) and 7/7/1988 (MW)

trivialis Eaton : Madeley 19/4/1936 (HB)

PERIPSYCHODA

fusca Macquart : Madeley 2/7/1936, Wrinehill Woods 16/6/1939 (HB)

PSYCHODA

albipennis Zetterstedt (includes *severini* Tonnoir) : Coombes Valley 28/7/1987 "common all year" (MW)

brevicornis Tonnoir : Coombes Valley 10/7/1988 (MW)

grisescens Tonnoir (= *pusilla* Tonnoir) : Madeley 14/11/1936 (HB); Coombes Valley 10/8/1990 (MW)

lobata Tonnoir : Coombes Valley 14/8/1989 (MW)

phalaenoides Linnaeus : common Burton (EB); Madeley 14/11/1936-1939 (HB); Trent Vale 13/5/1987 (DWE); Coombes Valley 25/11/1990 (MW)

severini Tonnoir : Madeley 14/11/1936 (HB); Coombes Valley 28/7/1987 common all year (MW)

TELMATOSCOPIUS

albifacies Tonnoir : Madeley 4/7/1936 (HB)

labeculosus Eaton : Madeley 15/8/1936 (HB); Coombes Valley 1990 (MW)

rothschildi Eaton : Madeley 16/7/1937 and 26/6/1938 (HB)

THRETICUS

lucifugus Walker : Coombes Valley 26/8/1988-, Churnet Woods 14/9/1990 (MW)

4. PTYCHOPTERIDAE

A small family of flies resembling crane flies. They are usually shining black with yellow or brown markings on abdomen and legs, spotted wings and a U-shaped suture on the thorax rather than a V-shaped one. They are often found near water. The larvae tend to be found in places deficient in oxygen eg. stagnant pools or mud and debris beneath shallow water. The latter type of larvae have telescopic breathing tubes similar to those found in the rat-tailed maggots of certain hoverflies. [6/7]

PTYCHOPTERA

albimana Fabricius : Madeley 18/6/1938 (HB); common and widespread (DWE)

contaminata Linnaeus : Madeley 21/6/1935 (HB); Sandwell Valley May and June (MGB); Aqualate (NCC)

lacustris Meigen : Dimmingsdale 17/7/1950 (JE); Sandwell Valley 17/5/1982 (MGB); Coombes Valley 20/6/1986- (MW)

minuta Tonnoir : Madeley 16/5/1936 (HB); Coombes Valley 19/8/1985 (MW); Aqualate (NCC)

paludosa Meigen : Wrinehill Woods 10/7/1937 (HB); Dimmingsdale 1948-51 (JE); Coombes Valley, Churnet Woods 4/7/1991 (MW)

scutellaris Meigen : Dimmingsdale 29/5/1951 (JE); Sandwell Valley 30/5/1982 (MGB); Coombes Valley 24/8/1985 (MW); Motte Meadows 1982 (NCC)

5. DIXIDAE (meniscus midges)

A small family of long-legged flies with small mouth-parts, no scales and a distinctive wing venation. They take their name from the fact that the larvae live suspended from the surface film of the water, generally in the meniscus against emergent vegetation, piece of wood, etc. [10/14]

DIXA

dilatata Strobl : Churnet Woods 12/9/1990 (MW)

maculata Meigen : Coombes Valley 5/3/1991, Churnet Woods 11/11/1990 (MW) **Notable**

nebulosa Meigen : Dimmingsdale 24/9/1949 (and 12/11/1990 (MW)), Alton 11/9/1949 (JE); Churnet Woods 19/9/1990, Coombes Valley 22/9/1990 (MW); Sandwell Valley 5/8/1987 (MGB)

nubilipennis Curtis : Sandwell Valley 17/5/1989 (MGB); Coombes Valley, Churnet Woods 19/10/1990 (MW)

puberula Loew : Churnet Woods 11/11/1990, Manifold Valley 27/11/1990 (MW)

submaculata Edwards : Sandwell Valley 27/10/1984 (MGB)

DIXELLA

aestivalis Meigen : common at Madeley 16/5/1936 (HB); Dimmingsdale 3/11/1953 (JE) and 12/11/1990 (MW); Sandwell Valley 11/10/1981 (MGB); Churnet Woods 19/10/1990, Coombes Valley 10/11/1990- (MW)

amphibia Degeer : Madeley 15/5/1936 (HB); Sandwell Valley 6/10/1991 (MGB)

filicornis Edwards : Dimmingsdale 8/10/1952 (JE) and 12/11/1990 (MW); Churnet Woods 11/11/1990 (MW). **Notable**

martinii Peus : Sandwell Valley 2/9/1979 (MGB)

6. CHAOBORIDAE

Small flies resembling mosquitoes. The carnivorous, aquatic larva of the species below is the well-known 'Ghost Larva', so called because of its transparent skin which makes possible the examination of the internal organs whilst it is alive. [1/6]

CHAOBORUS

Subgenus CHAOBORUS

crystallinus Degeer : Burton (EB); Dimmingsdale 3/8/1952 (JE); Sandwell Valley 28/5/1989 (MGB)

7. CULICIDAE (mosquitoes)

The high-pitched hum of the female mosquito as she approaches for her meal of blood is well-known to all. The adults are slender, long-legged flies with body and wings covered in scales. The proboscis of the female is long and rigid, adapted for piercing and sucking whilst the males have very plumose antennae. The larvae are aquatic. The attentions of the female can cause great suffering to animals and their bite can be particularly painful to those with sensitive skins. Abroad, they are well known as carriers of a range of diseases, in particular malaria. The nomenclature follows Cranston et Al (1987). [11/33]

ANOPHELINAE

ANOPHELES

Subgenus ANOPHELES

claviger Meigen : Madeley 3/7/1935 and 21/9/1936 (HB); Sandwell Valley October (MGB)

plumbeus Stephens : Dimmingsdale 1/10/1949 (JE); Sandwell Valley 6/7/1987 (MGB)

CULICINAE

AEDES

Subgenus FINLAYA

geniculatus Olivier : Sandwell Valley 4/7/1982 (MGB); Churnet Woods 19/8/1990, Coombes Valley 23/8/1990 (MW)

Subgenus OCHLEROTATUS

annulipes Meigen : Madeley 5/7/1937 (HB); Newcastle 1948 (JE); Loynton Moss, Denford (DWE)

cantans Meigen : Madeley 21/6/1935 (HB); Sandwell Valley 16/7/1987 (MGB)

punctor Kirby : "very common" Burton (EB); Burnt Wood 5/9/1950 (JE); Consall 14/6/1986, Loynton Moss 10/5/1987 (DWE); Coombes Valley (MW)

CULEX

Subgenus CULEX

pipiens Linnaeus : "common" (RG); "very common" (VCH); Bishop's Wood, Dimmingsdale, Alton (JE); Sandwell Valley (MGB); Coombes Valley (MW), Churnet Woods; common, often in outhouses (DWE)

CULISETA

Subgenus CULICELLA

fumipennis Stephens : Madeley 21/6/1935 (HB)

morsitans Theobald : Madeley 5/7/1937 (HB)

Subgenus CULISETA

alaskaensis Ludlow : Madeley 19/9/1936, Maer Woods 16/7/1937 (HB)

annulata Schrank : very common Burton (EB); common Madeley 15/8/1936 (HB); Dimmingsdale 15/10/1949, Newcastle 19/10/1950 (JE); Sandwell Valley August (MGB); Coombes Valley, Churnet Woods (MW)

8. THAUMALEIDAE

No members of this family recorded. [0/3]

9. CERATOPOGONIDAE (Biting Midges)

Go out on a warm summer's night and you soon become aware of the attentions of these flies. For their size (1mm to 2 mm) they cause a good deal of suffering. Their bite usually leaves a small red circle but with sensitive skins a sizeable lump can result. As well as humans, the female hosts include other mammals, caterpillars, beetles and bugs. They also suck the juices of flowers. It is generally members of the genus *Culicoides* that bite humans. The larvae are either aquatic, living around the margins of pools and streams, or terrestrial and living in soggy places such as manure, rotting fungi, decaying leaves and the like. Because of their small size and the lack of identification literature they are generally ignored. [16/150+]

FORCIPOMYIINAE

FORCIPOMYIA

Subgenus FORCIPOMYIA

bipunctata Linnaeus : Madeley 17/8/1936 (HB)

picea Winnertz : "abundant beating spruce" Maer Woods 27/6/1935 (HB)

CERATOPOGONINAE

CULICOIDINI

CULICOIDES

Subgenus AVARITIA

chiopterus Meigen : Madeley 23/5/1937 (HB); Dimmingsdale 3/10/1948 (JE)

obsoletus Meigen : Madeley 23/5/1937 (HB); Sandwell Valley 28/6/1981 (MGB)

Subgenus BELTRANMYIA

circumscriptus Kieffer : "common" Madeley 30/4/1936 (HB)

Subgenus CULICOIDES

pulicaris Linnaeus : "very common" Burton (EB); Dimmingsdale 3/10/1948, Newcastle 20/4/1957 (JE); Sandwell Valley 12/4/1980 (MGB)

Subgenus MONOCULICOIDES

nubeculosus Meigen : Madeley 15/3/1936 (HB)

Subgenus OECACTA

heliophilus Edwards : Madeley 23/5/1937 (HB)

odibilis Austen : Madeley 23/5/1937 (HB)

STILOBEZZIINI

SERROMYIA

femorata Meigen : Colwich (GHV); Goldsitch Moss 19/6/1954 (JE)

STILOBEZZIA

Subgenus NEOSTILOBEZZIA

gracilis Haliday : Madeley 3/7/1935 and 28/6/1936 (HB)

HETEROMYIINI

CLINOHELEA

unimaculata Macquart : Madeley 13/7/1936 (HB)

SPHAEROMIINI

MALLOCHOHELEA

nitida Macquart : Burton (EB)

PALPOMYIINI

PALPOMYIA

fulva Macquart : Madeley 28/6/1936 (HB)

nigripes Meigen : Madeley 18/5/1936 (HB)

semifumosa Goetghebuer : "abundant" Madeley 18/6/1936 (HB)

10. CHIRONOMIDAE (non-biting midges)

Delicate gnat-like flies in which the head is over-hung by a humped thorax. There are no scales and the arrangement of the wing veins is distinctive. The majority of species have aquatic larvae and they include the well-known 'blood worms' that occur in water butts and stagnant ponds and ditches. The habit of swarming is highly developed in the males and, although these flies resemble mosquitos, they are quite harmless. Identification can only be effected by examination of the genitalia, hence they tend to be largely ignored other than by the specialist. The nomenclature follows that used in Pinder (1978). [127/440]

TANYPODINAE

MACROPELOPIINI

APSECTROTANYPUS

trifascipennis Zetterstedt : Dovedale, Colwich (GHV); Dimmingsdale 27/8/1957 (JE); Dovedale 8/7/1991 (MW)

MACROPELOPIA

nebulosa Meigen : Burton (EB); Madeley 16/9/1937 (HB); Newcastle 1949/51 (JE); Churnet Woods 7/10/1990 (MW)

notata Meigen : Madeley 24/5/1937, Roaches 24/4/1937 (HB); Newcastle 26/7/1951 (JE); Churnet Woods 14/9/1990 (MW)

PROCLADIUS

choreus Meigen : Madeley 14/7/1937 (HB); Coombes Valley 19/7/1989, Churnet Woods 23/8/1990 (MW)

PSECTROTANYPUS

varius Fabricius : Burton (EB); "common" Madeley (HB); Dimmingsdale 1948-53, Newcastle 1953 (JE); Park Hall 5/8/1986 (SOTES); Sandwell Valley 6/5/1981 (MGB)

PENTANEURINI

ABLABESMYIA

monilis Linnaeus : Bishop's Wood 21/6/1951, Dimmingsdale 27/8/1951 (JE); Coombes Valley 23/8/1990 (MW)

phatta Eggert : Coombes Valley 22/6/1991 (MW)

ARCTOPELOPIA

griseipennis van der Wulp : Rudyard 28/6/1991 (MW)

CONCHAPELOPIA

melanops Meigen : Madeley 16/6/1939 (HB); Dimmingsdale 28/5/1951, Newcastle 5/8/1957 (JE); Coombes Valley 16/10/1990, Churnet Woods 4/7/1991 (MW)

pallidula Meigen : Coombes Valley 23/8/1990- (MW)

KRENOPELOPIA

binotata Wiedemann : Dimmingsdale 6/10/1951 (JE); Coombes Valley 23/8/1990- (MW)

nigropunctata Staeger : Madeley 3/7/1936 and 16/6/1939 (HB)

NATARSIA

nugax Walker : Coombes Valley 19/7/1991 (MW)

RHEOPELOPIA

maculipennis Zetterstedt : Manifold Valley 14/7/1937 (HB); Bunster Hill 9/7/1991, Dovedale 8/7/1991 (MW)

ornata Meigen : Colwich (GHV); Dimmingsdale 21/4/1951 (JE)

THIENEMANNIMYIA

carnea f. *festiva* Meigen : Churnet Woods 14/9/1990 (MW)

lentiginosa Fries : Coombes Valley 15/9/1989 (MW)

TRISSOPELOPIA

longimana Staeger : Basford 1984/85 (NVic); Coombes Valley 22/9/1990 (MW)

XENOPELOPIA

falcigera Kieffer : Madeley 3/7/1936 (HB); Coombes Valley 23/8/1990(MW)

ZAVRELIMYIA

barbatipes Kieffer : Coombes Valley 24/6/1991 (MW)

hirtimana Kieffer : Coombes Valley 23/8/1990- (MW)

nubila Meigen : Dovedale (GHV); Burnt Wood 10/9/1939 (HB); Dimmingsdale 1951/53 (JE); Coombes Valley 23/8/1990- (MW)

TANYPODINI

TANYPUS

punctipennis Meigen : Aqualate (NCC)

DIAMESINAE

DIAMESINI

DIAMESA

bohemani Goetghebuer : Dimmingsdale 27/4/1951 (JE); Coombes Valley 13/2/1991 (MW)

insignipes Kieffer : Madeley 14/8/1936 (HB); Dimmingsdale 17/3/1952 (JE); Coombes Valley 26/3/1987- (MW)

PRODIAMESINAE

ODONTOMESA

fulva Kieffer : Colwich (GHV)

PRODIAMESA

olivacea Meigen : Madeley 24/5/1937, Cheddleton Heath 27/5/1939 (HB); Mount Pleasant 5/8/1986 (SOTES); Coombes Valley 9/9/1990 (MW)

ORTHOCLADIINAE

ORTHOCLADIINI

ACRICOTOPUS

lucens Zetterstedt : Madeley 10/9/1936 (HB); Dimmingsdale 17/9/1949 (JE)

BRILLIA

modesta Meigen : Coombes Valley 26/3/1987- "very common", Churnet Woods 11/11/1990 (MW); Sandwell Valley 7/3/1991 (MGB)

CRICOTOPUS

Subgenus CRICOTOPUS

albiforceps Kieffer : Madeley 14/7/1937 (HB)

bicinctus Meigen : Coombes Valley (MW)

fuscus Kieffer : Dimmingsdale 17/7/1951 (JE)

pulchripes Verrall : Goldsitch Moss 10/8/1955 (JE)

tremulus Linnaeus : Dovedale (GHV); Coombes Valley 14/9/1991 (MW)

Subgenus ISOCLADIUS

ornatus Meigen : Madeley 3/7/1935, 17/4/1936 (HB)

sylvestris Fabricius : Madeley 13/7/1937 and 17/4/1936 (HB); Rudyard 27/6/1991 (MW)

tricinctus Meigen : Madeley 24/5/1937 (HB)

trifasciatus Panzer : Madeley 14/7/1937 (HB); Rudyard 27/6/1991 (MW)

DIPLOCLADIUS

cultriger Kieffer : Coombes Valley 16/5/1987, Churnet Woods 17/3/1991 (MW)

EUKIEFFERIELLA

calvescens Edwards : Dimmingsdale 22/3/1991 (MW)

minor Edwards : Baldstones 5/12/1990 (MW)

HALOCLADIUS

variabilis Staeger : Dovedale (GHV)

HETEROTANYTARSUS

apicalis Kieffer : Dimmingsdale 21/4/1951 (JE); Basford 1984/85 (NVic)

HETEROTRISOCLADIUS

marcidus Walker : Dimmingsdale 25/3/1948 (JE)

ORTHOCLADIUS

Subgenus ORTHOCLADIUS

rhyacobius Kieffer : Madeley 17/4/1936 (HB)

rubicundus Meigen : Madeley 14/7/1937 (HB); Coombes Valley 23/3/1991 (MW)

PARATRICHOCLADIUS

rufiventris Meigen : Madeley 18/9/1936 (HB); Coombes Valley 14/7/1991 (MW)

PSECTROCLADIUS

Subgenus PSECTROCLADIUS

limbatellus Holmgren : Dimmingsdale 19/11/1951, Newcastle 6/12/1951 (JE)

turfaceus Kieffer : Baldstones 5/12/1990 (MW)

RHEOCRICOTOPUS

dispar Goetghebuer : Coombes Valley 5/5/1940 (HB) and 1990 (MW)

METRIOCNEMINI

BRYOPHAENOCLADIUS

ictericus Meigen : Maer Woods 22/6/1935, Madeley 26/6/1939 (HB); Dimmingsdale 1950/51 (JE); Coombes Valley 20/7/1987 (MW)

nitidicollis Goetghebuer : Coombes Valley 26/8/1990 (MW)

vernalis Goetghebuer : Dimmingsdale 27/8/1951 (JE)

CAMPTOCLADIUS

stercorarius Degeer : Newcastle 20/3/1950 (JE)

CHAETOCLADIUS

dentiforceps Edwards : Churnet Woods 10/3/1991 (MW)

melaleucus Meigen : Coombes Valley 19/2/1939 (HB) and 16/6/1987 (MW)

perennis Meigen : "common" Madeley 20/6/1937 (HB); Dimmingsdale 19/11/1957 (JE); Coombes Valley 1990, Baldstones 21/1/1991, Churnet Woods 16/2/1991, Manifold Valley 27/11/1990 (MW)

piger Goetghebuer : Madeley 21/2/1936-1937 (HB); Coombes Valley 16/2/1991 (MW)

GYMNOMETRIOCNEMUS

brumalis Edwards : Coombes Valley 6/11/1990 (MW)

LIMNOPHYES

exiguus Goetghebuer : Coombes Valley 22/3/1991, Churnet Woods 24/3/1991 (MW)

gurgicola Edwards : Mermaid Inn 2/7/1991 (MW)

minimus Meigen : Cheddleton Heath 6/5/1939 (HB); Coombes Valley 22/3/1991 (MW)

truncorum Goetghebuer : Churnet Woods 17/3/1991 (MW)

METRIOCNEMUS

atratus Zetterstedt : Madeley 23/5/1937 (HB)

atriclavus Kieffer : Basford 1984/1985 (NVic)

fuscipes Meigen : Madeley 15/8/1936, Coombes Valley 19/2/1939 (HB); Dimmingsdale 1948/1952 (JE); Coombes Valley 10/2/1989, Mermaid Inn 28/6/1991 (MW)

gracei Edwards : Churnet Woods 16/2/1991 (MW)

hirticollis Staeger : Dimmingsdale 11/5/1933 (JE); Coombes Valley 17/10/1990 (MW)

hygropetricus Kieffer : Madeley 14/11/1936, Coombes Valley 19/2/1939 (HB) and 28/7/1987 (MW)

picipes Meigen : Madeley 22/3/1936 and 20/6/1937 (HB)

tristellus Edwards : Coombes Valley 13/7/1991 (MW)

PARAKIEFFERIELLA

bathophila Kieffer : Coombes Valley 22/6/1988- (MW)

PARAPHAENOCLADIUS

impensus Walker : Coombes Valley 22/9/1990 (MW)

generasus Edwards : common Madeley 3/7/1935 (HB); Coombes Valley 22/9/1990 (MW)

SMITTIA

aterrima Meigen : abundant Madeley 21/2/1936 (HB); Newcastle 19/3/1939 (JE); Coombes Valley 22/11/1990- (MW)

contigens Walker : Baldstones 21/1/1991, Coombes Valley 15/2/1991 (MW)

foliacea Kieffer : Coombes Valley 18/4/1991 (MW)

leucopogon Meigen : Coombes Valley 8/3/1991 (MW)

pratorum Goetghebuer : Dimmingsdale 20/11/1950, Newcastle 5/4/1951 (JE); Basford 1984/85 (NVic); Coombes Valley 25/3/1988- (MW)

CHIRONOMINAE

CHIRONOMINI

CAMPTOCHIRONOMUS

tentans Fabricius : Burton (EB)

CHIRONOMUS

annularis Degeer : Cannock Chase 3/8/1890 (RCB); Coombes Valley 10/3/1991 (MW)

cingulatus Meigen : Dimmingsdale 24/4/1949 (JE); Aqualate (NCC); Rudyard Lake 27/6/1991 (MW)

dorsalis Meigen : Dimmingsdale 17/9/1949, Newcastle 1950/51 (JE); Churnet Woods 6/5/1987, Coombes Valley 26/8/1990 (MW)

dorsalis f. *viridicollis* Wulp : Madeley 15/5/1936 and 22/5/1937 (HB)

longistylus Goetghebuer : Coombes Valley 5/5/1940 (HB) and 23/8/1990 (MW)

obtusidens Goetghebuer : Roaches 24/4/1937 (HB)

pilicornis Fabricius : "abundant" Madeley 20/4/1936 (HB)

plumosus Linnaeus : "common" (RG); Burton (EB); Coombes Valley 5/5/1940 (and 26/4/1987 (MW)), Madeley 18/9/1936 (HB); Dimmingsdale 1951 (JE); Aqualate (NCC)

plumosus f. *prasinus* Meigen : Burton (EB)

riparius Meigen : "common" Madeley 17/4/1936 (HB); Dimmingsdale 11/5/1953 (JE); Basford 1984/85 (NVic); Churnet Woods 19/9/1990, Rudyard 6/7/1991 (MW)

CRYPTOCHIRONOMUS

redekei Krusemann : Aqualate (NCC)

CRYPTOCLADOPELMA

viridula Linnaeus : Colwich (GHV)

EINFELDIA

dissidens Walker : Madeley 14/7/1937 (HB)
longipes Staeger : "common" Madeley 6/7/1936 (HB)
paganus Meigen : "common" Madeley 21/6/1935 (HB)

ENDOCHIRONOMUS

albipennis Meigen : Madeley 28/6/1936 and 14/7/1937 (HB); Rudyard 6/7/1991 (MW)
dispar Meigen : Madeley 21/5/1935-15/5/1936 (HB)
impar Walker : Madeley 15/5/1936 (HB)
tendens Fabricius : Dimmingsdale 9/4/1949 (JE)

GLYPTOTENDIPES

foliicola Kieffer : Madeley 15/5/1936 (HB)
pallens Meigen : Basford 1984/1985 (NVic)
viridis Macquart : "very common" Burton (EB)

LIMNOCHIRONOMUS

notatus Meigen : Colwich (GHV)

MICROTENDIPES

britteni Edwards : Bunster Hill 9/7/1991
chloris Meigen : Dimmingsdale 22/8/1951 (JE)
pedellus Degeer : "common" Burton (EB); Dimmingsdale 28/5/1951 (JE); Coombes Valley
23/8/1990- (MW)

PARACHIRONOMUS

arcuatus Goetghebuer : Madeley 24/5/1937 (HB); Rudyard 27/6/1991, Berrisford Dale
28/6/1991 (MW)

PARATENDIPES

albimanus Meigen : Colwich (GHV); Madeley 4/7/1937 and 26/6/1939 (HB); Rudyard
27/6/1991 (MW)

PENTAPEDILUM

sordens van der Wulp : Churnet Woods 18/8/1990 (MW)

PHAENOPSECTRA

flavipes Meigen : Coombes Valley 23/8/1990 (MW)

POLYPEDILUM

convictum Walker : Dimmingsdale 28/5/1951 (JE)
nubeculosum Meigen : Madeley 14/7/1937 (HB); Berrisford Dale 28/6/1991 (MW)
pedestre Meigen : Coombes Valley 7/10/1990 (MW)

STICTOCHIRONOMUS

pictulus Meigen : Dovedale (GHV)
sticticus Fabricius : Cheddleton Heath 27/5/1939 (HB)

TANYTARSINI

CLADOTANYTARSUS

atridorsum Kieffer : Aqualate (NCC)

mancus Walker : Coombes Valley 25/8/1990- (MW)

MICROPSECTRA

aristata Pinder : Manifold Valley 24/3/1991 (MW)

atrofasciata Kieffer : Madeley 20/3/1937 (HB); Coombes Valley 16/8/1987, Churnet Woods
17/3/1991 (MW)

bidentata Goetghebuer : Berrisford Dale 16/10/1990 (MW)

contracta Reiss : Rudyard 14/3/1991 (MW)

fusca Meigen : Alton 9/4/1949 (JE); Coombes Valley 22/9/1990 (MW)

junci Meigen (= *subviridis* Goetghebuer) : Dimmingsdale 13/10/1950, Alton 21/9/1951 (JE);
Coombes Valley 16/10/1990- , Manifold Valley 27/11/1990 (MW)

notescens Walker (= *praecox* Meigen) : "common" Burton (EB); Madeley 20/3/1937 (HB);
Dimmingsdale 9/4/1949 (JE); Coombes Valley 22/9/1990- (MW)

recurvata Goetghebuer : Madeley 22/3/1936 (HB)

PARATANYTARSUS

bituberculatus Edwards : Alton 9/4/1949 (JE)

tenuis Meigen : Coombes Valley 16/10/1990 (MW)

TANYTARSUS

eminulus Walker : Coombes Valley 24/8/1990 (MW)

verralli Goetghebuer : Coombes Valley 17/9/1990 (MW)

ZAVRELIA

pentatoma Kieffer : Hem Heath 5/4/1984 (SOTES)

11. SIMULIIDAE (Black-flies)

Small flies with a short, stout body and thick legs. The mouthparts of the female are adapted for piercing and sucking the blood of mammals. The larvae are aquatic, preferring moving water, the degree of aeration determining the distribution of the various species. Abroad, the attentions of these flies are the cause immense disease and suffering. [6/35]

SIMULIUM

Subgenus EUSIMULIUM

brevicaule Dorier & Grenier : Norton Green 7/9/1983 (SOTES); Churnet Woods 17/2/1991
(MW)

Subgenus ODAGMIA

nitidifrons Edwards : Madeley 16/11/1936, Manifold Valley 14/7/1937 (HB)

ornatum Meigen : Madeley 21/3/1936, Dovedale 20/6/1939 (HB); Dimmingsdale 1948-54 (JE)
and 12/11/1990 (MW); George's Hayes, Burnt Wood, Keele University (DWE)

spinsum Doby & Deblock : Westcliffe 15/3/1984 (SOTES)

Subgenus SIMULIUM

reptans Linnaeus : Burton "very common in spring" (EB); Dimmingsdale 1948-54 (JE)

Subgenus WILHELMIA

equinum Linnaeus : "very common" Burton (EB)

12. ANISOPODIDAE (Window-flies)

Small gnat-like flies with a swarming habit in the males. The common name is derived from the fact that several species enter houses and are often seen on windows when trying to find a way out. They differ from tipulids in wing venation. The larvae are found in a variety of habitats including water-filled rot holes in trees, sewage beds, rotting plant roots etc. [4/5]

ANISOPODINAE

SYLVICOLA

cinctus Fabricius : Manifold Valley 5/5/1939, Madeley 26/6/1939, Maer Woods 16/7/1937 (HB); Dimmingsdale 1948-54 (JE); Keele University 28/8/1989 (DWE); Sandwell Valley (MGB); Coombes Valley, Churnet Woods (MW)

fenestralis Scopoli : Dimmingsdale 3/7/1948-51 (JE); Tettenhall 1954 (KGVS); Coombes Valley 20/8/1985- (MW); Basford 1984/85 (NVic); Sandwell Valley 15/5/1985 (MGB)

punctatus Fabricius : Dimmingsdale 3/10/1948-50, Newcastle 1948-49 (JE); Keele University 1987 (DWE); Sandwell Valley (MGB); Coombes Valley, Churnet Woods, Bunster Hill (MW)

zetterstedti Edwards : Coombes Valley 19/2/1939 (HB) & 6/9/1985- (MW); Basford 1984/85 (NVic)

13. BIBIONIDAE

Mostly conspicuous black, hairy flies, the heads of the males appearing to consist almost entirely of the large eyes. The males are often to be seen performing a rising and falling dance with their hind legs dangling down. The phytophagous larvae live underground and can, in some years, be of economic importance as pests. The adults, however, are important as pollinators. The nomenclature follows Freeman and Lane (1985). [16/18]

BIBIO

anglicus Verrall : Dimmingsdale 18/4/1949 (JE)

clavipes Meigen : Burton (EB)

ferruginatus Linnaeus : Burton (EB); Dimmingsdale 18/4/1949 to 1950 (JE)

edwardsii Freeman & Lane : Needwood Forest 30/4/1988 (DWE)

johannis Linnaeus : Cannock Chase 3/6/1895 (RCB); Madeley 19/4/1936 (HB); Burnt Wood, Copmere, Doxey Marshes, Loggerheads (DWE); Sandwell Valley (MGB). Widespread and common (DWE)

lanigerus Meigen : Burton (EB); Sandwell Valley 26/4/1980 (MGB); Burnt Wood 3/5/1985, Keele University 29/5/1986 (DWE)

lepidus Loew : Dimmingsdale 29/5/1951 (JE); Sandwell Valley 29/10/1978 (MGB); Loynton Moss 10/5/1987 (DWE)

leucopterus Meigen : Burton (EB); Dimmingsdale 1947-48 (JE); Sandwell Valley 10/5/1978 (MGB); Mill Dale, Loynton Moss (DWE); Coombes Valley 6/6/1986- (MW); Sandon Hall 24/5/1991 (MCB)

marci Linnaeus : "frequent" (RG); "common" (EB); "common" (VCH); widespread and common in spring; the St. Mark's Fly (DWE)

nigriventris Haliday : Madeley 26/5/1937 (HB); Dimmingsdale 21/5/1949 (JE); Sandwell Valley 10/6/1980 onwards (MGB); Coombes Valley 6/6/1986- (MW)

*pomona*e Fabricius : frequent (RG); Hawksmoor 4/7/1935 (HB); Dimmingsdale 12/7/1947 (JE); Keele University 9/7/1987 (DWE); Coombes Valley 3/7/1987- (MW)

reticulatus Loew : Dimmingsdale 15/4/1945, Newcastle 1947, Cannock Chase 1947 (JE); Walton's Wood 6/5/1985 (DWE)

venosus Meigen : Dimmingsdale 19/5/1946 (JE)

DILOPHUS

bispinosus Lunstroem : Cannock Chase 3/6/1895 (RCB)

febrilis Linnaeus : Dimmingsdale 19/5/1946 (JE); Widespread and common; the Fever Fly (DWE)

femoratus Meigen : Dimmingsdale 29/5/1948 (JE); Bishops Wood 30/5/1953 (JE); Copmere 15/6/1986 (DWE); Coombes Valley 16/7/1989 (MW)

14. MYCETOPHILIDAE (Fungus-gnats)

The adults resemble the non-biting Chironomid midges in having a humped thorax but the antennae are long and thread-like. Despite the common name of 'gnat' they are quite harmless. They can be found throughout the year preferring dark and damp situations. The larvae are found in decaying wood, fungi, dung etc. The nomenclature follows Hutson (1981) and Kloet and Hincks (1976) with additions by Peter Chandler. [173/500+]

Peter Chandler has recently gone through the Britten collections at Manchester and Merseyside Museums and has thus been able to check the Staffordshire specimens. In so doing he found a number of mis-identifications. These have been corrected in the list and I have included, in brackets, the old name so as to maintain a link with the published list of H.W Daltry. He has also gone through the collections in the City Museum and Art Gallery, including the Edwards collection. Many of the Mycetophilinae are missing and, considering the degree of mis-identification of the remaining specimens, I have decided to enclose all records not supported by specimens in [] to indicate that they are unreliable.

BOLITOPHILINAE

BOLITOPHILA

Subgenus BOLITOPHILA

cinerea Meigen : Dovedale (GHV); Madeley 14/11/1930-1937, Maer Woods 17/8/1936, Coombes Valley 6/5/1939, Burnt Wood 10/9/1939 (HB); Sandwell Valley 18/10/1984 (MGB); Coombes Valley 2/10/1990 (MW)

saundersi Curtis : Madeley 26/4/1937 and 12/6/38 (HB); Dimmingsdale 17/9/1950 (JE); Sandwell Valley 28/10/1984 (MGB); Coombes Valley 18/8/1990 (PC); Churnet Woods 19/10/1990 (MW)

tenella Winnertz : Dimmingsdale 17/9/1948 (JE); Sandwell Valley 6/12/1978 (MGB). **Notable**

Subgenus CLIOPISA

hybrida Meigen : Maer Woods 17/8/1936 (HB); Dimmingsdale 1949-50 (JE); Coombes Valley 18/8/1990 (PC)

pseudohybrida Landrock : Sandwell Valley 12/2/1978, 27/10/1984 (MGB)

DIADOCIDIINAE

DIADOCIDIA

ferruginosa Meigen : Maer Woods 8/7/1937 (HB); Dimmingsdale 20/10/1951 (JE); Upper Hulme 14/8/1975, Coombes Valley 18/8/1990 (PC)

spinosa Tollet : Maer Woods 17/8/1936 (wrongly identified as *D. ferruginosa*) (HB); Coombes Valley 18/8/1990 (PC)

KEROPLATINAE

MACROCERINI

MACROCERA

anglica Edwards : Dimmingsdale 27/8/1951 (JE)

angulata Meigen : Madeley 26/6/1939 (HB); Coombes Valley 12/7/1991 (MW)

centralis Meigen : Dovedale (GHV); Madeley 17/6/1938, Dovedale 17/6/1938 (HB)

[*crassicornis* Winnertz] : Maer Woods 27/6/1938 (HB). (probably wrong (PC)). **Notable**

fasciata Meigen : (Hutson, 1980); Maer Woods 27/6/1938 (HB)

lutea Meigen : Burton (EB)

phalerata Meigen : Maer Woods 13/7/1936 (HB)

stigma Curtis : Coombes Valley 14/6/1987 (MW); Mermaid Inn 26/8/1991 (MW)

stigmoides Edwards : Coombes Valley 27/5/1939, Madeley 4/6/1940 (HB); Dimmingsdale 2/7/1951 (JE); near Cannock 9/6/1969, Coombes Valley 18/8/1990 (PC); Sandwell Valley 4/10/1975 (MGB)

vittata Meigen : Madeley 23/6/1938 (HB); Dimmingsdale 1949-51 (JE); Sandwell Valley 21/10/1984 (MGB); Coombes Valley 14/6/1987- (MW)

KEROPLATINI

CEROTELION

lineatus Fabricius : Sandwell Valley 10/9/1989 (MGB)

MACRORRHYNCHA

flava Winnertz : Madeley 5/7/1936-1938, Maer Woods 17/8/1936 (HB); Sandwell Valley 9/7/1981 (MGB)

ORFELIA

Subgenus ISONEUROMYIA

semirufa Meigen : Maer Woods 17/8/1936 (HB); Sandwell Valley 21/9/1986 (MGB); Coombes Valley 24/8/1985 (MW) and 18/8/1990 (PC)

Subgenus MONOCENTROTA

lundstroemi Edwards : Maer Woods 7/7/1936 (HB)

Subgenus NEOPLATYURA

modesta Edwards : Dimmingsdale 6/8/1951 (JE); Sandwell Valley 18/8/1987 (MGB)

Subgenus ORFELIA

[*discoloria* Meigen] : Dimmingsdale 1951 (JE). **Notable**

fasciata Meigen : Burton (EB)

nemoralis Meigen : Madeley 12/6/1938, Dovedale 17/6/1938, Manifold Valley 18/6/1938 (HB);
Dimmingsdale 6/10/1951 (JE); Sandwell Valley 24/7/1985 (MGB); Coombes Valley
20/6/1991 (MW)

pallida Staeger : Madeley 12/7/1936-38 (HB). **Notable**

tristis Lundstroem : Sandwell Valley 5/7/1987 (MGB)

unicolor Staeger: Madeley 3/7/1935, Maer Woods 13/7/1936 (wrongly identified as *O. discoloria*), Maer Woods 24/6/1938 (wrongly identified as *O. fasciata*) (HB).

PLATYURA

marginata Meigen : (Hutson, 1980); Bishops Wood 12/7/1954 (JE)

SCIOPHILINAE

MYCOMYINI

MYCOMYA

affinis Staeger (= *flava* Winnertz) : Coombes Valley 22/8/1985- (MW)

annulata Zetterstedt (= *incisurata* Zetterstedt) : Maer Woods 17/5/1936, Cannock Chase
27/6/1939, Coombes Valley 27/5/1939 (HB) and 18/8/1990- (PC); Dimmingsdale
14/9/1951 (JE); Sandwell Valley 18/10/1987 (MGB)

cinerascens Macquart : Madeley 10/6/1932, Hawkscourt 4/7/1935 (HB); Dimmingsdale 1951
(JE); Dovedale 8/7/1991 (MW)

fimbriata Meigen : Madeley 9/9/1937, Manifold Valley 18/6/1938 (HB)

marginata Meigen : Calton 14/5/1931, Coombes Valley 6/5/1939 (HB) and 18/8/1990- (PC),
10/3/1991 (MW); Dimmingsdale 5/5/1950, (JE); Sandwell Valley 28/10/1984 (MGB)

maura Walker : Burton (EB); Madeley 10/6/1932, Maer Woods 17/8/1936 (HB)

neohyalinata Väisänen: Dimmingsdale 21/10/1954 (JE)

prominens Lundstroem : Sandwell Valley October 1987 (MGB); Coombes Valley 16/4/1988
(MW)

sigma Johannsen (= *duplicata* Edwards) : Maer Woods 17/8/1936 (HB)

tumida Winnertz : Coombes Valley 2/7/1991 (MW)

wankowiczii Dziedzicki : Sandwell Valley 21/9/1986 (MGB)

winnertzi Dziedzicki : Dimmingsdale 15/5/1958 (JE); Sandwell Valley 27/10/1984 (MGB);
Coombes Valley 18/8/1991 (PC).

NEOEMPHERIA

pictipennis Haliday : Madeley 12/6/1938 (HB); Dimmingsdale 1950 (JE); Sandwell Valley
21/10/1989 (MGB); Coombes Valley 18/8/1990 (PC)

SCIOPHILINI

ACNEMIA

nitidicollis Meigen : Manifold Valley 18/6/1938 (HB); Dimmingsdale 1951 (JE); Coombes
Valley 14/5/1987-, Mermaid Inn 28/6/1991 (MW); Sandwell Valley 17/10/1986 (MGB)

ALLOCOTOCERA

pulchella Curtis : Sandwell Valley 9/7/1989 (MGB); Coombes Valley 12/7/1991 (MW)

ANACLILEIA

dispar Winnertz : Madeley 21/3/1937, Roaches 24/4/1937 (HB)

LEPTOMORPHUS

walkeri Curtis : Madeley 19/6/1945 (HWD)

MONOCLONA

rufilatera Walker : Sandwell Valley 20/6/1984 (MGB)

NEURATELIA

nemoralis Meigen : Manifold Valley 18/6/1938 (HB); Dimmingsdale 11/10/1951, Bishops Wood 30/5/1953 (JE); Sandwell Valley 4/6/1989 (MGB); Coombes Valley 6/6/1991 (MW)

PHTHINIA

humilis Winnertz : Sandwell Valley 15/9/1989 (MGB).

SCIOPHILA

hirta Meigen : Madeley 23/6/1935 and 9/7/1937 (HB)

[*nigronitida* Landrock] : Madeley 12/6/1935 (HB). "female; needs confirmation" (PC) **Notable**

nonnisilva Hutson : Sandwell Valley 17/10/1986 (MGB). **Notable**

GNORISTINI

APOLEPHTHISA

subincana Curtis : Coombes Valley 6/5/1939 (HB); Dimmingsdale 19/5/1951 (JE); Crowgutter Wood 10/5/1987 (MW)

BOLETINA

basalis Meigen : Sandwell Valley 15/5/1987 (MGB); Coombes Valley 4/6/1991 (MW)

dubia Meigen : Madeley 17/5/1936 (HB); Sandwell Valley 30/10/1986 (MGB)

gripha Dziedzicki : Maer Woods 14/8/1936, Roaches 27/4/1937 (HB); Dimmingsdale 21/10/1951 (JE); Sandwell Valley 26/10/1985 (MGB); Coombes Valley 12/3/1987-, Baldstones 5/12/1990 (MW)

nasuta Haliday : Churnet Woods 19/10/1990 (MW) **RDB3**

plana Walker : Manifold Valley 18/6/1938 (HB); Coombes Valley 12/10/1990 (MW)

sciarina Dziedzicki : Coombes Valley 7/10/1990 (MW)

trispinosa Edwards : Coombes Valley 14/2/1990, Churnet Woods 10/3/1991 (MW)

trivittata Meigen : Colwich (GHV); Cannock Chase 4/6/1895 (RCB); Manifold Valley 18/6/1938 (HB); Dimmingsdale 21/10/1951 (JE); Sandwell Valley 21/10/1984- (MGB); Coombes Valley 12/10/1990, Churnet Woods 19/10/1990 (MW)

COELOSIA

flava Staeger : Churnet Woods 4/7/1991 (MW)

silvatica Landrock : Churnet Woods 10/3/1991 (MW) **Notable**

SYNAPHA

fasciata Meigen : Maer Woods 24/6/1938 (HB)

vitripennis Meigen : Madeley 1/7/1935, Maer Woods 24/6/1938 (HB)

LEIINI

ECTREPESTHONEURA

colyeri Chandler : Madeley 2/6/1938 (wrongly identified as *hirta* Winnertz) (HB)

DOCOSIA

gilvipes Walker : Madeley 20/2/1937, Coombes Valley 28/4/1940 (HB); Dimmingsdale 13/3/1949 (JE); Sandwell Valley 1980 (MGB)

LEIA

cylindrica Winnertz : Burnt Wood 10/5/1939 (wrongly identified as *L. subfasciata*) (HB); Dimmingsdale 5/10/1951 (JE)

fascipennis Meigen : Manifold Valley 14/7/1937, Madeley 11/9/1937, Dovedale 17/6/1938 (HB); Sandwell Valley 22/4/1979 (MGB)

MEGOPHTALMIDIA

crassicornis Curtis : (Hutson, 1980) **Notable**

RONDANIELLA

dimidiata Meigen : Dimmingsdale 19/9/1951, Alton 15/9/1954 (JE)

TETRAGONEURA

sylvatica Curtis : Madeley 26/6/1939 (HB); Dimmingsdale 9/6/1955 (JE); Sandwell Valley 8/8/1984 (MGB); Coombes Valley 24/6/1988-, Rudyard 6/7/1991 (MW)

MYCETOPHILINAE

EXECHIINI

ANATELLA

ciliata Winnertz : Sandwell Valley July 1988 (MGB)

emergens Caspers : Sandwell Valley 29/3/1989 (MGB)

longisetosa Dziedzicki : Colwich 8/6/1889 and 16/6/1889 (GHV); Coombes Valley 27/3/1991 (MW)

turi Dziedzicki : Coombes Valley 6/10/1940 (HB)

RYMOSIA

connexa Winnertz : Madeley 10/11/1936 (HB); Coombes Valley 12/10/1990 (MW)

fasciata Meigen : Colwich (GHV); Madeley 12/6/1932-2/4/1946, Maer Woods 13/7/1936 (HB); Sandwell Valley 5/10/1985 (MGB); Coombes Valley 25/6/1990 (MW) and 18/8/1990 (PC)

TARNANIA

fenestralis Meigen : (VCH); [Dimmingsdale 1948-52 (JE)]; Sandwell Valley 23/10/1984 (MGB); Coombes Valley 12/10/1990 (MW)

nemoralis Edwards : Madeley 23/3/1936 (HB). (Wrongly identified as *T. fenestralis*); Churnet Woods 14/9/1990 (MW)

ALLODIA

Subgenus ALLODIA

lugens Wiedemann : Madeley 25/3/1937 (wrongly identified as *A. ornaticollis*), Coombes Valley 6/5/1939 (HB) and 16/10/1990 (MW); [Dimmingsdale 1951-52 (JE)]

lundstroemi Edwards : Coombes Valley 28/4/1940 (HB) and 16/9/1987 (MW)

ornaticollis Meigen : Coombes Valley 31/3/1940 (HB); [Dimmingsdale 1951 (JE)]; Sandwell Valley 28/4/1987 (MGB)

Subgenus BRACHYCAMPTA

alternans Zetterstedt : Madeley 6/7/1936 (HB). **Notable**

ALLODIOPSIS

Subgenus ALLODIOPSIS

domestica Meigen : [Dimmingsdale 31/10/1948 (JE)]

rustica Edwards : Sandwell Valley 22/11/1978, October 1984 (MGB)

Subgenus GYMNOGONIA

excogitata Dziedzicki : [Dimmingsdale 20/10/1951 (JE)]; Sandwell Valley 24/10/1988 (MGB); Coombes Valley 14/3/1991 (MW)

Subgenus NOTOLOPHA

cristata Staeger : Colwich 15/6/1889 (GHV); Coombes Valley 28/4/1940 (HB)

BRACHYPEZA

Subgenus BRACHYPEZA

armata Winnertz : Dimmingsdale 7/8/1951 (JE)

radiata Jenkinson : Sandwell Valley 10/10/1983, 15/9/1985 (MGB)

BREVICORNU

Subgenus BREVICORNU

arcticoides Caspers : Sandwell Valley 1988 (MGB). New British record.

boreale Lundstroem : Madeley 20/3/1937, Dovedale 22/4/1939 (HB). **Notable**

fissicauda Lundstroem : Madeley 2/3/1937 (HB)

griseicolle Staeger : Madeley 16/11/1936 (HB); Sandwell Valley 13/10/1985 (MGB); Coombes Valley 18/8/1990 (PC)

proximum Staeger : Sandwell Valley 13/10/1985 (MGB). **Notable**

sericoma Meigen : Madeley 16/11/1936-1945, Maer Woods 8/7/1937, Roaches 24/4/1937, Coombes Valley 6/5/1939 (HB) and 18/8/1990 (PC); [Dimmingsdale 24/10/1953 (JE)]; Sandwell Valley 4/9/1985 (MGB)

verralli Edwards : Coombes Valley 9/9/1990 (MW)

Subgenus STIGMATOMERIA

crassicorne Stannius : Burton (EB); Sandwell Valley 24/10/1989 (MGB); Coombes Valley 27/3/1991 (MW)

CORDYLA

brevicornis Staeger : Madeley 27/10/1945 (HB)
crassicornis Meigen : Madeley 16/11/1936 (HB); Sandwell Valley 13/10/1985 (MGB)
fissa Edwards : Sandwell Valley 25/2/1989 (MGB)
fusca Meigen : Madeley 21/9/1936 (HB). **Notable**
murina Winnertz : Upper Hulme 14/8/1975 (PC); Coombes Valley 9/9/1990 (MW)

EXECHIA

confinis Winnertz : Coombes Valley 18/8/1990 (PC)
contaminata Winnertz : Burnt Wood 26/2/1940 (HB); [Dimmingsdale 18/10/1950, Newcastle 1950 (JE)]; Coombes Valley 20/3/1987, 14/4/1991, Churnet Woods 10/3/1991 (MW)
dorsalis Staeger : [Dimmingsdale 18/10/1953, Newcastle 6/11/1950 (JE)]; Sandwell Valley 18/10/1985 (MGB); Coombes Valley 18/8/1990 (PC)
exigua Lundstroem : Coombes Valley 14/3/1990 (MW)
fusca Meigen : Madeley 14/11/1936, Maer Woods 17/8/1936, Coombes Valley 6/5/1939 (HB) and 14/3/1990 (MW); [Newcastle 2/12/1950 (JE)]; Sandwell Valley 7/11/1980 (MGB)
nana Staeger : Sandwell Valley 9/11/1980 (MGB)
parva Lundstroem : Manifold Valley 28/3/1938, Coombes Valley 28/4/1940, Burnt Wood 25/2/1940 (HB); [Dimmingsdale 24/10/1953 (JE)]
pseudofestiva Lackschewitz : Madeley 21/9/1936 (HB) **Notable**
repanda Johannsen : Manifold Valley 28/3/1938 (HB)
spinuligera Lundstroem : Madeley 16/11/1936-1937 (HB); [Dimmingsdale 1948 (JE)]

EXECHIOPSIS

Subgenus EXECHIOPSIS

clypeata Lundstroem : Sandwell Valley 29/10/1989 (MGB)
hammi Edwards : Sandwell Valley July 1988 (MGB); Coombes Valley 16/10/1990 (MW)
intersecta Meigen : Coombes Valley 6/9/1985 (MW)
ligulata Lundstroem : Coombes Valley 18/8/1990 (PC) **Notable**
subulata Winnertz : Dimmingsdale 13/10/1950 (JE); Coombes Valley 18/8/1990 (PC)
unguiculata Lundstroem : Coombes Valley 6/5/1939-1940 (HB), 18/8/1990 (PC) and 25/10/1990, 5/3/1991, Churnet Woods 10/3/1991 (MW)

Subgenus XENEXECHIA

pollicata Edwards : Dovedale 2/4/1939 (HB). **Notable**

PSEUDEXECHIA

trisignata Edwards : Coombes Valley 19/2/1939 (HB) and (MW); Sandwell Valley 15/5/1989 (MGB). **Notable**
trivittata Staeger : Madeley 16/8/1936, Coombes Valley 19/2/1939 (HB)

PSEUDOBRACHYPEZA

helvetica Walker : Coombes Valley 6/10/1940 (HB) and 18/8/1990 (PC)

MYCETOPHILINI

DYNATOSOMA

fuscicorne Meigen : Madeley 20/9/1938 (HWD); [Dimmingsdale 1951, Newcastle 14/8/1953 (JE)]; Sandwell Valley 29/3/1987 (MGB); Coombes Valley 27/2/1986- (MW)

reciprocum Walker : Dimmingsdale 18/10/1950 (JE); Coombes Valley 18/8/1990 (PC) and 10/3/1991 (MW)

MYCETOPHILA

adumbrata Mik : Coombes Valley 18/8/1990- (PC)

britannica Lastovka & Kidd : Sandwell Valley 21/11/1978- (MGB); Coombes Valley 18/8/1990 (PC)

caudata Staeger] : Cheddleton Heath 6/5/1939 (HB). "probably wrong" (PC) **RDB2**

cingulum Meigen : Sandwell Valley 3/9/1989 (MGB); Coombes Valley 13/10/1990 (MW)

curviseta Lundstroem : Coombes Valley 18/8/1990 (PC)

dziedzickii Chandler : Madeley and Maer Woods 17/8/1936 (HB)

edwardsi Lundstroem : Sandwell Valley 12/10/1991 (MGB)

forcipata Lundstroem : Colwich 8/6/1889 (GHV); [Dimmingsdale 8/10/1957 (JE)]; Coombes Valley 18/8/1990 (PC)

formosa Lundstroem : Coombes Valley 19/2/1939, Cheddleton Heath 6/5/1939 (HB); Sandwell Valley 27/10/1984 (MGB); Coombes Valley 20/8/1988 (MW) and 18/8/1990 (PC)

fraterna Winnertz : Madeley 16/11/1936 (HB); [Dimmingsdale 1951 (JE)]; Sandwell Valley 11/11/1989 (MGB); Coombes Valley 14/3/1990 (MW) and 18/8/1990 (PC); Churnet Woods 10/3/1991 (MW)

fungorum Degeer : Burton (EB); Madeley 21/9/1936 (HB); [Dimmingsdale 1948-51 (JE)]; Sandwell Valley 23/10/1984 (MGB); Coombes Valley 10/9/1988- (MW)

ichneumonea Say : Sandwell Valley 20/12/1980 (MGB)

luctuosa Meigen : Coombes Valley 6/5/1939 (HB); [Newcastle 21/12/1950, Trentham Park 12/10/1956 (JE)]; Sandwell Valley 24/10/1984 (MGB)

lunata Meigen : Churnet Woods 19/3/1990 (MW)

marginata Winnertz : Coombes Valley 28/4/1940 (HB) and 31/10/1989, 8/3/1991 (MW); Sandwell Valley 14/11/1985- (MGB); Churnet Woods 10/3/1991 (MW)

occultans Lundstroem : Madeley 20/2/1937 (HB)

ocellus Walker : Madeley 16/11/1936, Coombes Valley 19/3/1939 (HB) and 8/7/1991 (MW); [Dimmingsdale 1951-53 (JE)]; Sandwell Valley 24/10/1984 (MGB); Churnet Woods 10/3/1991, Manifold Valley 27/11/1990 (MW)

ornata Stephens : Alton 16/5/1931, Coombes Valley 6/5/1939 (HB) and 18/8/1990 (PC), 2/10/1990, 4/3/1991 (MW); Dimmingsdale 28/9/1953 (JE); Sandwell Valley 24/10/1984 (MGB)

pictula Meigen : Colwich 8/6/1889 (GHV); Sandwell Valley 28/10/1984 (MGB). **Notable**

pumila Winnertz : Coombes Valley 31/3/1940 (HB) and 18/8/1990 (PC)

rudis Winnertz : Coombes Valley 2/10/1990 (MW)

ruficollis Meigen : Colwich (GHV); Maer Woods 17/8/1936, Coombes Valley 19/2/1939 (HB) and (MW); [Dimmingsdale 22/3/1951 (JE)]; Sandwell Valley (MGB); Churnet Woods 10/3/1991 (MW)

signatoides Dziedzicki : Madeley 19/4/1936 (HB); [Dimmingsdale 1951-52 (JE)]; Sandwell Valley 19/3/1989 (MGB)

spectabilis Winnertz : Coombes Valley 6/10/1940 (HB)

sumavica Lastovka : Coombes Valley 18/8/1990 (PC)

trinotata Staeger : [Dimmingsdale 31/10/1948-51 (JE)]; Sandwell Valley 4/9/1985 (MGB); Coombes Valley 14/3/1990 (MW) and 18/8/1990 (PC)

unicolor Stannius : Sandwell Valley 2/10/1989 (MGB)

unipunctata Meigen : Coombes Valley 19/2/1939 (HB) and 14/3/1990- (MW); [Dimmingsdale 8/10/1952(JE)]

vittipes Zetterstedt : Coombes Valley 6/5/1939 (HB) and 18/8/1990 (PC); Sandwell Valley 27/10/1984 (MGB)

PHRONIA

biarcuata Becker (= *johannae* Steenberg) : Madeley 21/2/1937, Maer Woods 1/6/1938, Coombes Valley 19/2/1939 (HB) and 18/8/1990 (PC), 5/3/1991 (MW); Upper Hulme 14/8/1975 (PC)

braueri Dziedzicki : Madeley 25/4/1937 (HB); Coombes Valley 18/8/1990 (PC)

cinerascens Winnertz : Madeley 4/2/1937, Coombes Valley 19/2/1939 (HB) and (MW)

humeralis Winnertz : Madeley 19/2/1939 (HB); Coombes Valley 14/3/1990, Churnet Woods 10/3/1991 (MW)

nigricornis Zetterstedt : Colwich (GHV); Maer Woods 17/8/1936; Roaches 29/4/1937, Coombes Valley 19/2/1939 (HB) and (PC); Sandwell Valley 28/10/1984 (MGB)

nitidiventris Wulp : Madeley 9/2/1926, 19/11/1936 (HB); Coombes Valley 18/8/1990 (PC)

strenua Winnertz : Sandwell Valley 24/10/1984 (MGB); Coombes Valley 14/3/1990 (MW)

tarsata Staeger : Coombes Valley 18/8/1990 (PC)

tenuis Winnertz : Roaches 24/4/1937 (HB); Churnet Woods 14/9/1990 (MW)

triangularis Winnertz : Sandwell Valley 20/9/1986 (MGB); Coombes Valley 14/9/1990 (MW)

PLATUROCYPTA

testata Edwards : Coombes Valley 31/3/1940 (HB) and 18/8/1990 (PC)

SCEPTONIA

nigra Meigen : Sandwell Valley 12/10/1985, 30/3/1989 (MGB)

TRICHONTA

falcata Lundstroem : Sandwell Valley 20/10/1985, 22/10/1989 (MGB)

hamata Mik : [Alton 15/9/1954 (JE)]; Coombes Valley 23/6/1988 (MW)

melanura Staeger : Sandwell Valley 28/10/1984, 17/10/1986 (MGB); Coombes Valley 18/8/1990 (PC)

terminalis Walker : Sandwell Valley July 1988 (MGB)

apicalis Strobl (= *vernalis* Landrock) : Madeley 16/11/1936 (HB); Coombes Valley 20/1/1991 (MW)

vitta Meigen : Madeley 21/2/1937 (HB); Churnet Woods 10/3/1991 (MW)

ZYGOMYIA

humeralis Wiedemann : Madeley 16/11/1936 (HB); Coombes Valley 18/8/1990 (PC)

pseudohumeralis Caspers : Maer Woods 17/8/1936 (HB)

valida Winnertz : Coombes Valley 6/5/1939-1942 (HB); and 14/10/1987 (MW)

vara Staeger : Madeley 19/9/1936 (HB); [Newcastle 12/10/1950 (JE)]

15. SCIARIDAE (Black Fungus Midges)

Small black flies under 5mm long with a characteristic wing venation and eyes that curve to meet over the antennae forming a bridge. They frequent situations with decaying plant material, rotting wood with fungi, dung etc. The larvae can be a serious pest nurseries and mushroom beds. Nomenclature follows Freeman (1983). [15/101]

SCIARA

thomae Linnaeus : Cannock Chase (RCB); Dimmingsdale 1948 (JE); Sandwell Valley 12/7/1987 (MGB); Coombes Valley 10/8/1985 (MW)

TRICHOSIA

Subgenus TRICHOSIA

caudata Walker : Coombes Valley 22/6/1988- (MW)

splendens Winnertz : Dimmingsdale 5/10/1951 (JE)

Subgenus LEPTOSCIARELLA

coarctata Winnertz : (Freeman, 1983)

SCHWENCKFELDINA

carbonaria Meigen : Dimmingsdale 28/6/1952 (JE); Coombes Valley 17/8/1985- (MW); Sandwell Valley 21/9/1986 (MGB)

ZYGONEURA

sciarina Meigen : Sandwell Valley 5/5/1985 (MGB)

PLASTOSCIARA

Subgenus SPATHOBDELLA

falcifera Lengersdorf : Coombes Valley 17/7/1990 (MW)

Subgenus PEYERIMHOFFIA

brachyptera Kieffer : Coombes Valley 12/9/1990 (MW)

LYCORIELLA

Subgenus BRADYSIOPSIS

bruckii Winnertz : Churnet Woods 10/3/1991 (MW)

PHYTOSCIARIA

Subgenus DOLICHOSCIARA

flavipes Meigen : Dimmingsdale 28/7/1951 (JE); Coombes Valley 2/10/1990 (MW)

CTENOSCIARA

hyalipennis Meigen : Newcastle 16/11/1950 (JE); Coombes Valley 14/3/1991 (MW)

BRADYSIA

praecox Meigen : Coombes Valley 2/10/1990 (MW)

triseriata Winnertz : Coombes Valley 6/10/1990 (MW)

SCATOPSCIARA

quinquelineata Macquart : Dimmingsdale 10/10/1948-51 (JE)

vivida Winnertz : Coombes Valley 21/2/1987 (MW)

16. SCATOPSIDAE

Small blackish flies resembling Bibionids but with a hairless body. They are often found in numbers on flowers such as ivy and umbellifers as well as on leaves in woods. The larvae are predominantly dung feeders, often occurring in the nests of other insects and larger animals. [13/37]

SCATOPSINAE

APILOSCATOPSE

flavicollis Meigen : Madeley 1/2/1927 and 10/3/1936 (HWD); Dimmingsdale 5/10/1950, Alton 15/9/1954 (JE); Tettenhall 30/9/1954 (KGVs); Sandwell Valley 16/9/1989 (MGB); Coombes Valley 12/9/1990 (MW)

picea Meigen : Madeley 21/9/1936 (HB); Dimmingsdale 1/10/1949 (JE); Tettenhall 29/9/1954 (KGVs); Sandwell Valley 12/10/1988 (MGB)

scutellata Loew : Dimmingsdale 31/10/1948-51 (JE); Coombes Valley 22/9/1990 (MW); Sandwell Valley 19/10/1991 (MGB)

COBOLDIA

fuscipes Meigen : Madeley 17/8/1936 (HB); Sandwell Valley 6/10/1981 (MGB)

HOLOPLAGIA

albitarsis Zetterstedt : Madeley and Wrinehill Woods 10/7/1937 (HB)

richardsi Edwards : Dimmingsdale 6/10/1951 (JE)

REICHERTELLA

geniculata Zetterstedt : Dimmingsdale 1948-51 (JE)

pulicaria Loew : Colwich (GHV)

RHEGMOCLEMA

cooki Hutson : Sandwell Valley 18/7/1988 (MGB)

coxendix Verrall : "abundant" Madeley 3/5/1935 (HB); Aqualate (NCC)

SCATOPSE

notata Linnaeus : "common round manure heaps" (EB); Sandwell Valley May to November (MGB)

SWAMMERDAMELLA

brevicornis Meigen : Madeley 26/6/1938 (HB)

PSECTROSCIARINAE

ANAPAUSIS

soluta Loew : Sandwell Valley 18/7/1988 (MGB)

17. CECIDOMYIIDAE (Gall-midges)

Small or minute, delicate insects with broad, often hairy wings. The antennae are long with bead-like segments and the legs are long and thin. However, it is the larvae, or rather the effects of the larvae, that are most often seen for approximately two-thirds are gall-causers. The female midge lays her eggs in some part of a plant and in so doing causes the plant cells around the insertion point to grow rapidly, forming a gall in which the larvae will ultimately live. The plant species, shape and position of the gall are specific to the species of gall midge concerned. With a little caution the distribution of the midges can therefore be determined by looking for the galls rather than for the adult insects. A number of this family are classed as being of economic importance. The lack of identification literature has meant that Staffordshire has been very poorly covered. [31/620+]

CECIDOMYIINAE

OLIGOTROPHIDI

CYSTIPHORA

sonchi Bremi : Alvecote Pools 23/9/1985 (G&MAA)

DASINEURA

crataegi Winnertz : Burton (EB); "common on Hawthorn" Alton September 1902 (CB); (WSP).

Causes 'button-top' galls on hawthorn.

filicina Kieffer : Alvecote Pools 1973 (G&MAA); (WSP). On bracken.

fraxini Bremi : (WSP). Causes 'pouch galls' on ash.

glechomae Kieffer : (WSP). Causes 'lighthouse galls' on ground ivy.

ranunculi Bremi : Three Lowes 22/8/1905 (CB)

rosarum Hardy : common on Dog Rose at Alton 1903 (CB)

sisymbrii Schrank : (WSP)

thomasiana Kieffer : (WSP)

trifolii Low : (WSP). Galls on clover leaves.

ulmaria Bremi : Alton July 1903 (CB); Baddeley Green 5/8/1986 (SOTES); Alton 1984 (WSP).

Cone-like galls on Meadowsweet leaves.

urticae Perris : Alton on nettle August 1903 (CB); (WSP); Coombes Valley 18/8/1990 (CWP).

Galls on nettle.

GEOCRYPTA

galii Loew : Alton and Denstone on Lady's Bedstraw 25/7/1904, Three Lowes 14/8/1905 (CB)

HARTIGIOLA

annulipes Hartig : Alton common on Beech 1902 - 1905 (CB); (WSP). 'Pouch galls' on beech.

ITEOMYIA

caprae Winnertz : Alton on Sallow August 1903 (CB)

JAAPIELLA

veronicae Vallot : Burton (EB); "common" Alton on Germander Speedwell September 1902 (CB); Alvecote Pools 1971 (G&MAA)

MIKIOLA

fagi Hartig : Dimmingsdale and Rudyard on Beech September 1902 (CB); (WSP). 'Pouch galls' on beech.

OLIGOTROPHUS

betulae Winnertz : on birch at Alton September 1902 and Coombes Valley 22/7/1905 (CB)

RHAPDOPHAGA

marginemtorquens Bremi : Alton on Osier 12/9/1902 (CB); (WSP). 'Leaf-folding' galls on osier.
rosaria Loew : (WSP). 'Rosette' galls on willow.

RHOPALOMYIA

millefolii Loew : Three Lowes 11/8/1905 (CB)

RONDANIOLA

bursaria Bremi : common Alton 1902 (CB)

TAXOMYIA

taxi Inchbald : Bradely on Yew September 1903 (CB). 'Artichoke' galls.

WACHTLIELLA

persicariae Linnaeus : Bradeley on Amphibious Bistort 25/9/1902, Alton July 1905 (CB);
Alvecote Pools 1971 (G&MAA); (WSP)

LASIOPTERIDI

LASIOPTERA

rubi Heeger : (WSP). Galls stems of blackberry and raspberry.

CECIDOMYIIDI

CLINODIPLOSI

botularia Winnertz : Alton on Ash August 1903 (CB)

CONTARINIA

loti Degeer : Alton 5/8/1905 (CB). Galls on trefoil flowers.

petioli Kieffer : (WSP). Galls on poplar.

tiliarum Kieffer : Endon 1978 (WSP); Sandwell Valley 6/6/1990 (MGB). Galls leaf petiole of lime.

tritici Kirby : on wheat Burton (EB). 'Yellow Wheat Blossom Midge'

PLUTONIELLA

pruni Kaltenbach : Pattingham 4/6/1952 (KGVS)

Sub-order : **BRACHYCERA**

18. STRATIOMYIDAE (Soldier-flies)

Ranging from 3mm to 20mm these are rather flattened flies with no bristles and only occasional spines on the scutellum of the thorax. They are often brightly coloured and some have a metallic lustre making them objects of great beauty. They tend to be rather sluggish and are more often seen at rest with the wings folded flat over the abdomen. The larvae include both terrestrial and aquatic forms; the former being found in soil, fungi, bark, rotting wood, debris in holes in trees and dung. [22/50]

BERIDINAE

BERIS

chalybeata Forster : Dimmingsdale 26/5/1946, Alton (JE); Copmere, Keele University, Froghall, Westport Lake, Trent Vale (DWE); Sandwell Valley 20/7/1977 (MGB); Coombes Valley Churnet Woods (MW); Aqualate (NCC); Clayton 31/5/1990 (CWP); Sandon Hall (MCB)

clavipes Linnaeus : Burton (EB). **Notable**

[*fuscipes* Meigen] : Madeley 15/5/1936 (HB), Dimmingsdale 1948/49 (JE), no voucher specimen. **Notable**

geniculata Curtis : Dimmingsdale 11/8/1946 (JE); Wolverhampton July 1977 (KGVs); Trent Vale, Westport Lake (DWE); Sandwell Valley 4/8/1980 (MGB); Coombes Valley, Churnet Woods (MW)

morrisii Dale : Dimmingsdale 23/6/1946-52 (JE); Sandwell Valley 23/7/1977 (MGB); Churnet Woods 31/5/1987 (MW)

vallata Forster : Madeley 26/6/1935 (HB); Dimmingsdale 1946-51 (JE); Trent Vale 15/8/1987 (DWE); Sandwell Valley 17/7/1979 (MGB); Coombes Valley, Churnet Woods (MW); Clayton 21/5/1990 (CWP)

CHORISOPS

tibialis Meigen : Trentham Park 28/8/1953 (JE); Trent Vale 29/7/1987 (DWE); Sandwell Valley 15/8/1989 (MGB); Sandon Hall 5/7/1991 (MCB)

CLITELLARIINAE

OXYCERA

morrisii Curtis : Sandwell Valley 5/8/1985 (MGB); Trent Vale 29/6/1986 (DWE). **Notable**

rara Scopoli (= *pulchella* Meigen) : Burton (EB); Aqualate, Loynton Moss, Trent Vale (DWE); Sandwell Valley 23/7/1972 (MGB)

trilineata Fabricius : Sandwell Valley 26/7/1987 (MGB). **Notable**

PACHYGASTRINAE

PACHYGASTER

orbitalis Wahlber : Sandwell Valley 19/3/1983 (MGB)

SARGINAE

CHLOROMYIA

formosa Scopoli : Burton (EB); widespread and common (DWE)

MICROCHRYSA

cyaneiventris Zetterstedt : Dimmingsdale 20/7/1946-52 (JE); Keele University 2/8/1988 (DWE); Coombes Valley 20/7/1978 (MW); Clayton 31/5/1990 (CWP)

flavicornis Meigen : Madeley 26/6/1935 (HB); Dimmingsdale 1946-52, Bishops Wood 1953 (JE); Coombes Valley 23/6/1978- (MW); Keele University (DWE); Sandwell Valley 29/6/1980 (MGB)

polita Linnaeus : Burton (EB); Madeley 5/7/1936 (HB); Newcastle, Bishops Wood, Dimmingsdale (JE); Wolverhampton July 1977 (KGVS); Trent Vale, Loggerheads (DWE); Coombes Valley, Churnet Woods (MW); Sandwell Valley 11/8/1972 (MGB)

SARGUS

bipunctatus Scopoli : Burton (EB); Dimmingsdale (JE); Copmere, Ecton, Maer Hills, Trent Vale (DWE); Ilam (NTBS); Sandwell Valley (MGB); Churnet Woods (MW)

[*cuprarius*] Linnaeus : Burton (EB); Dimmingsdale 10/7/1950 (JE); Churnet Woods, Coombes Valley (MW); Aqualate (NCC). **Notable**

iridatus Scopoli : Madeley 3/7/1935 (HB), Burnt Wood, Dimmingsdale (JE); Blithfield Reservoir, Keele University, Jacksons Coppice, Loynton Moss, Swallow Moss (DWE); Sandwell Valley 10/9/1969 (MGB); Churnet Woods, Coombes Valley (MW); Sandon Hall (MCB)

splendens Meigen : Burton (EB); Dimmingsdale 1944-50, (JE); Whitmore Common 9/9/1949 (HWD); Ilam 1984 (NTBS); Sandwell Valley 9/9/1979 (MGB); Churnet Woods, Coombes Valley 19/7/1988- (MW)

STRATIOMYINAE

ODONTOMYIA

tigrina Fabricius : Madeley 26/6/1935 (HB). **Notable**

viridula Fabricius : Madeley 15/7/1936 (HB); Belvide Reservoir 18/7/1988 (EcB); Sandwell Valley 27/6/1989 (MGB). **Notable**

STRATIOMYS

potamida Meigen : Needwood Forest 10/7/1955 (RGW); Rowley Park 6/7/1986 (MCB); Beech, Trent Vale 1987 (DWE); Sandwell Valley 25/7/1969 onwards (MGB). **RDB3**

19. XYLOMYIIDAE

A single species with blackbody and yellow legs that resembles a sawfly. It is to be found in the vicinity of rotting wood. [1/3]

SOLVA (=Xylomyia)

marginata Meigen : Sandwell Valley 30/5/1985 (MGB). **RDB2**

20. XYLOPHAGIDAE

The long, narrow abdomen of this fly makes it look very like an ichneumon. The larvae are to be found in rotting wood and its presence is an indicator of ancient woodland. [1/3]

XYLOPHAGUS

ater Degeer : Cannock Chase 1/6/1931 (HB); Madeley 21/5/1938 (HWD); Dimmingsdale 1946-51, Ipstones 1954-55, Star Wood 6/7/1955 (JE); Jackson's Coppice 2/8/1986, Loynton Moss 10/5/1987, Keele University 20/5/1987 (DWE); Brocton Coppice 5/12/1987, Hawk Hills 2/4/1989 (KNAA); Fradley Wood 20/10/1989 (NTBS); Coombes Valley 19/6/1978 (MW); Sandon Hall 24/5/1991 (MCB)

21. RHAGIONIDAE (Snipe-flies)

Small to fairly large slender, long-legged flies found in woodland, areas bordering streams or in damp meadows. It is a family little known except to collectors although casual observers will be familiar with *Rhagio scolopacea*, commonly known as the 'down-looker' on account of its habit of resting on trunks and fences facing downwards. The larvae tend to live in damp soil, leaf-mould or rotting wood and are said to be carnivorous. [7/18]

CHRYSOPILINAE

CHRYSOPILUS

asiliformis Preyssler (= *aureus* Meigen) : Burton (EB); Madeley 3/7/1935 (HB)
cristatus Fabricius : Oakamoor 9/6/1945, Swythamley (HB); Dimmingsdale, Chartley Moss, Burnt Wood (JE); Alimore Green, Copmere, Denford, Keele University, Jacksons Coppice (DWE), Hawksmoor (NTBS); Sandwell Valley (MGB); Coombes Valley (MW); Aqualate (NCC)

SYMPHOROMYIA

crassicornis Panzer : Dimmingsdale 7/6/1947, 2/7/1952 (JE); Mermaid Inn 23/7/1987 (MW)

RHAGIONINAE

ATHERIX (now in ATHERICIDAE)

ibis Fabricius : Burton (EB); Dimmingsdale 9/6/1952 (JE); Oakamoor 18/6/1987 (DWE)

RHAGIO

lineola Fabricius : Cannock Chase 3/8/1840 (RCB); Dimmingsdale 1946-52, Bishops Wood (JE); Loggerheads, Loynton Moss, Westport Lake (DWE); Hawksmoor, Kinver Edge (NTBS); Sandwell Valley (MGB); Coombes Valley (MW)

scolopacea Linnaeus : (RG); Burton (EB); widespread and common; the 'down-looker' fly (DWE)

tringarius Linnaeus : Cannock Chase 3/8/1890 (RCB); Dimmingsdale 15/8/1944-53, (JE); Alimore Green, Loynton Moss, Loggerheads (DWE); Downs Banks, Shugborough (NTBS); Sandwell Valley (MGB); Coombes Valley (MW)

22. TABANIDAE (Horse-flies)

Robust flies in which the head tends to be wider than the thorax. The females have, as most people will know, biting mouthparts and suck blood whereas the males feed only on nectar. Their attentions can cause great distress, especially to livestock etc. In life their eyes have the most beautiful coloured patterns. They are commonly called 'clegs' though this term usually applies to the genus *Haematopota*. The larvae are to be found in damp soil and mud beneath shallow water. Some are voracious carnivores and others are vegetarian. [12/28]

CHRYSOPSINAE

CHRYSOPSINI

CHRYSOPS

caecutiens Linnaeus : "common" (RG); Cannock Chase 2/6/1939 (HB), Bishops Wood 18/7/1951 (JE); Aqualate 20/7/1985, Keele University 8/8/1985 (DWE); Belvide Reservoir 10/7/1986 (EcB). 'Blinding Breeze Fly'

relictus Meigen : Sandwell Valley 1/8/1980 onwards (MGB); Hednesford July 1983 (EcB); Brocton Quarry 15/8/1987 (DWE)

TABANINAE

HAEMATOPOTINI

HAEMATOPOTA

crassicornis Wahlberg : Madeley 3/7/1935 (HB); Chartley Moss 3/8/1954 (JE); Sandwell Valley (MGB); Coombes Valley 9/7/1988 (MW)

pluvialis Linnaeus : (RG); Burton (EB); widespread and common (DWE)

TABANINI

HYBOMITRA

bimaculata Macquart : Dimmingsdale 6/7/1940, Burnt Wood 21/6/1945, Chartley Moss 3/7/1954 (JE)

distinguenda Verrall : Madeley 3/7/1935, Oakamoor 31/7/1945 (HB); Dimmingsdale 1944-1955, Bishops Wood 8/7/1951 (JE); Copmere 25/7/1985, Loynton Moss 10/7/1986 (DWE); Coombes Valley (MW)

montana Meigen : Coombes Valley 20/6/1989 (MW)

[*muhlfeldi* Brauer] : Burton (EB); Cannock Chase 4/8/1890 (RCB), Bishops Wood 18/6/1936 (HWD), Madeley 6/7/1935, Cannock Chase 26/6/1939, Oakamoor 31/7/1945 (HB).

RDB3

TABANUS

[*bovinus* Linnaeus] : Cannock Chase (EB). **Notable**

bromius Linnaeus : Coombes Valley 1990 (MW)

maculicornis Zetterstedt : Bishops Wood 8/7/1951, 22/7/1953 (JE); Jacksons Coppice 29/6/1991 (DWE)

sudeticus Zeller : Coombes Valley 1990 (MW)

23. ASILIDAE (Robber-flies)

These bristly flies are the hawks of the fly world. The mouthparts of both sexes form a rigid or semi-rigid piercing organ which is used to extract juices from insect prey. There are two main methods employed for catching their prey. One is to lie in wait for a passing victim and then to dart out and catch it, while the other is to actively chase and capture the prey. In the latter case the legs of the fly are extended forward like a scoop. It is not unknown for male Asilids to become the victim of their female partners! The larvae are mainly vegetarian. [10/27]

ASILINI

ASILUS

crabroniformis Linnaeus : "rare" Burton (EB). **Notable**

DYSMACHUS

trigonus Meigen : Madeley 3/7/1935 (HB); Dimmingsdale 16/6/1945, Threapwood 13/7/1947
voucher specimens destroyed (JE)

MACHIMUS

atricapillus Fallén : Cannock Chase 5/8/1890 (RCB), Dimmingsdale 20/8/1930 (JE)

NEOITAMUS

cyanurus Loew : Cannock Chase (RCB); Oakamoor 31/7/1945 (HB); Dimmingsdale 1947-57
(JE); Kinver Edge 31/7/1985, Shugborough 29/7/1985 (NTBS); Loggerheads 22/5/1990,
21/7/1990 (DWE)

LEPTOGASTERINI

LEPTOGASTER

cylindrica Degeer : Copmere 30/6/1985 (DWE); Kinver Edge 31/7/1985 (NTBS)
[*guttiventris* Zetterstedt] : Cannock Chase 3/8/1890 (RCB); Dimmingsdale 17/7/1951 (JE).
Notable

SAROPOGONINI

DIOCTRIA

atricapilla Meigen : Dimmingsdale 9/6/1946 (JE); Copmere 30/6/1985, Loynton Moss 10/7/1986
(DWE); Sandwell Valley 12/6/1977 (MGB); Sandon Hall 5/7/1991 (MCB)
baumhaueri Meigen : Maer Woods 13/7/1936 (HB); Bishops Wood 12/7/1954 (JE); Sandwell
Valley 6/7/1974 onwards (MGB); Loggerheads 10/6/1991 (DWE)
oelandica Linnaeus : Burton (EB); Needwood Forest 8/7/1956 (JE) **Notable**
rufipes Degeer : Burton (EB); Dimmingsdale 1944-56, Great Gate 19/6/1946 (JE); Copmere
10/6/1985, Loynton Moss 6/7/1985, Gnosall railway line 10/7/1986; Coombes Valley
22/5/1987 (MW); Sandwell Valley 10/7/1977 (MGB)

24. THEREVIDAE (Stiletto Flies)

Elongate, bristly and pubescent flies with slender legs. When at rest the pointed abdomen resembles the dagger from which the family takes its common name. The larvae are said to be predatory and live soil, leaf mould and fungi with a few in rotten wood. [3/12]

THEREVA

[*annulata* Fabricius] : Burton (EB). Inland records are rare so this must be provisional.

bipunctata Meigen : Sandwell Valley 29/5/1990 (MGB)

nobilitata Fabricius : Madeley 26/6/1933, Wrinehill Woods 26/6/1935; Dimmingsdale 1946-52, Newcastle 30/6/1953 (JE); Tettenhall 17/7/1953 (KGVs); Loynton Moss 10/7/1986, Loggerheads 6/7/1991 (DWE); Sandwell Valley 24/6/1974 onwards (MGB)

25. SCENOPINIDAE

No species recorded. [0/3]

26. ACROCERIDAE

No species recorded. [0/3]

27. BOMBYLIIDAE (Bee Flies)

Small to large furry bee-like flies with long legs. *Bombylius major* should be looked for in the spring as it hovers in front of flowers like a humming bird. Although it has not been seen since Edwards' time, it is common to the south of Staffordshire. The larvae are parasitic on species of solitary bees. There are 10 British species. [2/10]

BOMBYLIINAE

BOMBYLIUS

canescens Mikan : Madeley 18/6/1930 (JE)

major Linnaeus : Dimmingsdale 25/4/1948-53, Chartley Moss 2/5/1953 (JE)

28. EMPIDIDAE

Small to medium-sized, rather bristly flies with a roundish head, large eyes and a small to long, rigid proboscis that projects downwards or forwards and is adapted for piercing and sucking. A constant feature of all empids is an incision or nick on the inner margin of the eye, close to the base of the antennae. Most adults are actively carnivorous though many will take nectar. It is an interesting family in that the males offer the females some sort of gift prior to mating. It is thought that this distracts the female long enough for the male to mate with her, thereby preventing him from becoming her next meal! The Britten collection has been checked by Roy

Crossley. The subfamilies Hybotinae, Ocydromiinae and Tachydrominae are now considered by some to belong to a distinct family - the Hybotidae. [124/350+]

TACHYDROMINAE

TACHYDROMINI

TACHYPEZA

nubila Meigen : Sandwell Valley 15/6/1979 (MGB); Coombes Valley 10/8/1985-, Churnet Woods 20/8/1985 (MW); Clayton 31/5/1989, Copmere 2/6/1989 (ARP)

TACHYDROMIA

arrogans Linnaeus : Madeley 25/6/1935 (HB); Bishops Wood 30/5/1953 (JE); Trent Vale 7/7/1985 (DWE); Sandwell Valley 10/6/1979 (MGB); Coombes Valley (MW)

connexa Meigen : Madeley 13/7/1936 (HB) **RDB3**

umbrarum Haliday : Sandwell Valley 25/8/1979 (MGB)

PLATYPALPUS

agilis Meigen : Dovedale (GHV); common Madeley (HB); Dimmingsdale, Star Wood (JE); Westport Lake (DWE); Copmere (ARP); Coombes Valley (MW); Sandwell Valley (MGB)

annulipes Meigen : Newcastle 23/6/1952 (JE)

aristatus Collin : Sandwell Valley 13/8/1987 (MGB). **Notable**

candicans Fallén : Dimmingsdale 21/7/1946 (JE); Aqualate (NCC)

ciliaris Fallén : Churnet Woods 5/7/1987, Coombes Valley 15/6/1988 (MW); Clayton 3/5/1989, Copmere 26/6/1989 (ARP)

clarandus Collin : Sandwell Valley 18/7/1988 (MGB); Copmere 2/6/1989 (ARP)

coarctatus Collin : (JEC)

corthurnatus Macquart : Copmere 2/6/1989 (ARP). **Notable**

cursitans Fabricius : Coombes Valley 22/6/1991 (MW)

exilis Meigen : Copmere 2/6/1989 (ARP)

extricatus Collin : Sandwell Valley 18/7/1988 (MGB)

laticinctus Walker : Hawksmoor 17/6/1955 (JE)

longicornis Meigen : Hawksmoor 17/6/1955 (JE), Coombes Valley 11/6/1987- (MW); Clayton 30/5/1989, Copmere 2/6/1989 (ARP)

luteus Meigen : Madeley 13/7/1936 (HB); Dimmingsdale 14/7/1952 (JE); Keele University 31/7/1987 (DWE); Coombes Valley 6/7/1988 (MW); Sandwell Valley 16/7/1988 (MGB)

minutus Meigen : Newcastle 8/7/1952 (JE); Sandwell Valley 18/7/1988 (MGB); Coombes Valley 6/9/1985 (MW); Copmere 2/6/1989 (ARP)

nigritarsis Fallén : Madeley 9/9/1937 (HB); Sandwell Valley (MGB); Coombes Valley 12/9/1990 (MW)

pallidiventris Meigen : Dimmingsdale 22/8/1951 (JE); Coombes Valley 19/8/1985-, Mermaid Inn 28/6/1991 (MW); Sandwell Valley June 1979 (MGB); Copmere 2/6/1989 (ARP)

pallipes Fallén : Coombes Valley 20/7/1988 (MW)

verralli Collin : Sandwell Valley 26/6/1979 (MGB); Mermaid Inn 2/7/1991 (MW)

HYBOTINAE

HYBOS

culiciformis Fabricius : Dimmingsdale 7/8/1948; Sandwell Valley 8/7/1979 (MGB); Coombes Valley 5/9/1985- (MW)

femoratus Müller : Dimmingsdale 8/7/1948-50 (JE); Keele University 1987 (DWE); Coombes Valley 8/8/1985-, Mermaid Inn 2/7/1991, Rudyard 6/7/1991 (MW); Sandwell Valley 21/7/1979 (MGB)

OCYDROMIINAE

BICELLARIA

simplicipes Zetterstedt : Berrisford Dale 28/6/1991 (MW)

[*sulcata* Zetterstedt] : Madeley 8/7/1935 (HB); Copmere 2/6/1989 (ARP); Mermaid Inn 28/6/1991 (MW)

vana Collin : Coombes Valley 14/6/1953 (JE) and 19/5/1990 (ARP), Sandwell Valley 22/5/1983 (MGB); Copmere 19/5/1990 (ARP)

OCYDROMIA

glabricula Fallén : Dimmingsdale 1929/9/1947-29/7/1951 (JE); Sandwell Valley 10/8/1979 (MGB); Coombes Valley 22/8/1985- , Churnet Woods 5/7/1987 (MW); Clayton 31/5/1989, Hanchurch 1/6/1989, Copmere 19/5/1990 (ARP)

LEPTOPEZA

[*borealis* Zetterstedt] : Coombes Valley 13/6/1986- (MW). **RDB2**

TRICHONOMYIA

flavipes Meigen : Madeley 6/5/1936 (HB); Dimmingsdale 11/9/1949-50 (JE); Coombes Valley (MW); Sandwell Valley July 1988 (MGB)

TRICHINA

clavipes Meigen : Sandwell Valley July 1988 (MGB)

elongata Haliday : Copmere 19/5/1990 (ARP)

OEDALEA

apicalis Loew : Copmere 19/5/1990 (ARP) **Notable**

flavipes Zetterstedt : Madeley 6/7/1936 (HB); Hawksmoor 17/6/1955 (JE); Copmere 2/6/1989 (ARP)

holmgreni Zetterstedt : Dimmingsdale 2/7/1951 (JE); Keele University 3/6/1987 (DWE); Copmere 2/6/1989 (ARP); Coombes Valley 1990, Mermaid Inn 28/6/1991 (MW); Sandon Hall 24/5/1991 (MCB)

stigmatella Zetterstedt : Dimmingsdale 26/6/1948 (JE); Coombes Valley 10/6/1986- (MW)

zetterstedti Collin : Coombes Valley 22/6/1991 (MW)

EUTHYNEURA

gyllenhali Zetterstedt : Hanchurch 1/6/1989 (ARP)

myrtilli Macquart : Coombes Valley 14/6/1987 (MW); Hanchurch 1/6/1989 (ARP)

EMPIDINAE

GLOMA

fuscipennis Meigen : Sandwell Valley 5/7/1987 (MGB); Coombes Valley 29/9/1985- (MW); Copmere 2/6/1989 (ARP). **Notable**

EMPIDINI

RHAMPHOMYIA

Subgenus MEGACYTTARUS

anomalipennis Meigen : Coombes Valley 10/6/1986 (MW); Sandwell Valley 6/8/1987 (MGB); Clayton 2/5/1989 (ARP).

crassirostris Fallén : Dimmingsdale 11/5/1946-52, Star Wood 2/4/1952, (JE); Coombes Valley 20/6/1986- (MW); Sandwell Valley 2/6/1972 (MGB); Clayton 3/5/1989; Copmere 19/5/1990 (ARP)

Subgenus PARARHAMPHOMYIA

albipennis Fallén : Coombes Valley 10/6/1986 (MW); Sandwell Valley 22/4/1989 (MGB).

dentipes Zetterstedt : Dimmingsdale 11/6/1951, Star Wood 1952 (JE); Keele University 1987, Westport Lake 1986 (DWE); Clayton 2/6/1989, Copmere 19/5/1990 (ARP); Coombes Valley 28/5/1986 (MW); Sandwell Valley 12/5/1989 (MGB)

tarsata Meigen : Maer Hills 18/8/1949 (JE); Coombes Valley 20/6/1986 (MW); Sandwell Valley 12/6/1985 (MGB); Hanchurch 1/6/1989 (ARP)

tibiella Zetterstedt : Coombes Valley 24/5/1986 (MW); Loynton Moss 17/5/1987 (DWE); Sandwell Valley 4/7/1987 (MGB)

Subgenus RHAMPHOMYIA

stigmosa Macquart : "not uncommon" Morridge 24/6/1935 (HB); Coombes Valley 18/6/1986 (MW); Copmere 2/6/1989 (ARP)

subcinerascens Collin : Sandwell Valley 5/4/1980 (MGB).

sulcata Meigen : Burton (EB); "common" Madeley 16/5/1936 (HB); Dimmingsdale 1946-55 (JE); Farley April 1964 (KGVs); Copmere 1986, Westport Lake 1987 (DWE); Sandwell Valley 22/5/1977 (MGB); Coombes Valley 8/6/1986 (MW); Clayton 31/5/1989 (ARP); Sandon Hall 24/5/1991 (MCB)

tibialis Meigen : Coombes Valley 8/6/1986 (MW). **Notable**

variabilis Fallén : Coombes Valley 10/8/1986 (MW).

Subgenus ACLONEMPIS

albohirta Collin : Coombes Valley 10/6/1986 (MW); Copmere 2/6/1989 (ARP); Sandon Hall 24/5/1991 (MCB)

longipes Meigen : Sandwell Valley July 1988 (MGB)

Subgenus HOLOCLERA

flava Fallén : Dimmingsdale 18/5/1948 (JE); Coombes Valley 4/7/1985, Churnet Woods 10/6/1987 (MW); Keele University 10/7/1987 (DWE); Clayton 31/5/1989 (ARP)

nigripennis Fabricius : Coombes Valley 24/5/1986, Dovedale 8/7/1991 (MW); Sandwell Valley 22/7/1987 (MGB)

umbripennis Meigen : Sandwell Valley 1/5/1985 (MGB); Coombes Valley 24/5/1985- (MW); Clayton 31/5/1989, Copmere 2/6/1989 (ARP); Sandon Hall 24/5/1991 (MCB). **Notable**

Subgenus AMYDRONEURA

erythrophthalma Meigen : Burnt Wood 10/10/1939 (HB); Maer Woods 18/8/1949 (HWD), Keele University 22/9/1987 (DWE); Coombes Valley 3/9/1985 (MW); Sandwell Valley 25/10/1989 (MGB)

gibba Fallén : Sandwell Valley July 1988 (MGB)

hirsutipes Collin : Sandwell Valley 7/10/1986 (MGB)

Subgenus LUNDSTROEMIELLA

hybotina Zetterstedt : Hanchurch 1/6/1989 (ARP).

EMPIS

Subgenus XANTHEMPIS

aemula Loew : Coombes Valley 24/6/1988 (MW)

concolor Verrall : Dovedale 8/7/1991 (MW)

digramma Meigen : Coombes Valley 6/6/1986 (MW)

punctata Meigen : Morridge 24/6/1935, "common" Madeley 3/7/1935 (HB); Dimmingsdale 26/5/1946, Star Wood 24/5/1952 (JE); Copmere 2/6/1989 (ARP)

scutellata Curtis : Sandwell Valley 3/7/1988 (MGB)

stercorea Linnaeus : Dimmingsdale 26/5/1946-52 (JE); Loynton Moss 8/6/1986, Keele University 1/6/1987 (DWE); Coombes Valley 10/6/1986 (MW); Copmere 19/5/1990 (ARP); Sandon Hall 24/5/1991 (MCB)

trigramma Meigen : Dimmingsdale 18/5/1948-51 (JE); Copmere, Clayton 1989 (ARP); Coombes Valley 6/6/1986 (MW); Sandwell Valley 22/5/1977 (MGB)

Subgenus KRITEMPIS

livida Linnaeus : Burton (EB); "common" Madeley 3/7/1935 (HB); Dimmingsdale, Bishops Wood, Whitmore (JE); Keele University, Loynton Moss (DWE); Coombes Valley (MW); Sandwell Valley May and June (MGB)

Subgenus POLYBLEPHARIS

opaca Meigen : Keele University 19/5/1984, Jackson's Coppice 24/5/1987 (DWE); Coombes Valley 6/6/1986- (MW); Copmere 2/6/1989 (ARP); Sandon Hall 24/5/1991 (MCB).

Notable

Subgenus LEPTEMPIS

grisea Fallén : Keele University 29/7/1987 (DWE); Copmere 2/6/1989 (ARP); Sandwell Valley 12/7/1986 (MGB)

Subgenus PLATYPTERA

borealis Linnaeus : Dimmingsdale 7/6/1947 (JE). No voucher specimen.

Subgenus PACHYMERIA

scotica Curtis : Coombes Valley 28/6/1988, Churnet Woods 1990 (MW)

tessellata Fabricius : Burton (EB); widespread and common (DWE)

tumida Meigen : Loynton Moss 26/7/1987 (DWE)

Subgenus EMPIS

aestiva Loew : Coombes Valley 10/6/1985- (MW); Sandwell Valley 20/7/1988 (MGB)

caudatula Loew : Clayton 1989 (ARP)

chiotera Meigen : Burton (EB); Clayton 31/5/1989, Copmere 19/5/1990 (ARP); Sandon Hall 24/5/1991 (MCB)
nigripes Fabricius : Dovedale (GHV); "common" Madeley 16/5/1936 (HB); Coombes Valley 8/6/1986 (MW); Sandwell Valley 30/5/1983 (MGB); Copmere 19/5/1990 (ARP); Sandon Hall 24/5/1991 (MCB)
nuntia Meigen : Sandwell Valley 8/6/1979 (MGB); Copmere 2/6/1989, Clayton 31/5/1989 (ARP); Coombes Valley (MW)
planetica Collin : Coombes Valley 8/6/1986 (MW).
praevia Collin : Sandwell Valley 1/6/1979 (MGB); Copmere 2/6/1989, Hanchurch 1/6/1989 (ARP)

Subgenus COPTOPHLEBIA

albinervis Meigen : Wolverhampton July 1977 (KGVS); Sandwell Valley 7/7/1988 (MGB)

HILARINI

HILARA

[*abdominalis* Zetterstedt] : Coombes Valley 12/7/1986 (MW). **Notable**
albipennis von Roser : Alton 9/6/1991 (JCD)
albiventris von Roser : Coombes Valley 19/7/1991 (MW) **Notable**
anglodanica Lundbeck : Churnet Woods 4/7/1991 (MW)
augustifrons Stroble : Dimmingsdale 6/8/1951, 27/8/1951 (JE)
canescens Zetterstedt : Dimmingsdale 17/7/1950 (JE)
chorica Fallén : Sandwell Valley 7/7/1988 (MGB); Berrisford Dale 28/6/1991 (MW)
cingulata Dahlbom : (JEC)
clavipes Harris : Coombes Valley 14/7/1991 (MW)
discoidalis Lundbeck : Jackson's Coppice 24/5/1987 (DWE)
flavipes Meigen : Dimmingsdale 19/9/1951 (JE)
fuscipes Fabricius : Dovedale (GHV)
interstincta Fallén : Coombes Valley 10/6/1986 (MW); Keele University 26/5/1987 (DWE); Sandwell Valley 7/7/1988 (MGB)
litorea Fallén : Dimmingsdale 6/8/1951 (JE); Keele University 27/7/1987 (DWE); Wolverhampton July 1977 (KGVS); Sandwell Valley 6/7/1988 (MGB); Coombes Valley 7/7/1988, Manifold Valley 6/7/1987 (MW)
lugubris Zetterstedt : Coombes Valley 17/6/1987 (MW). **Notable**
manicata Meigen : Dimmingsdale 11/5/1951 (JE); Sandwell Valley 18/8/1984 (MGB)
maura Fabricius : Dovedale (GHV); "abundant" Madeley (HB); Dimmingsdale (JE); Keele University 1987/87 (DWE); Coombes Valley (MW); Sandwell Valley (MGB); Copmere 1989 (ARP); Sandon Hall 24/5/1991 (MCB)
monedula Collin : Madeley 15/6/1933 (HB); Sandwell Valley July 1988 (MGB); Copmere, 2/6/1989, Clayton 31/5/1989 (ARP)
nigrina Fallén : (JEC); Dimmingsdale 27/7/1957 (JE). No voucher specimen.
obscura Meigen : Sandwell Valley 17/7/1988 (MGB)
primula Collin : Coombes Valley 12/5/1986- (MW). **Notable**
quadrivittata Meigen : Coombes Valley 14/6/1986, Berrisford Dale 28/6/1991 (MW); Copmere 2/6/1989 (ARP)

HEMERODROMIINAE

HELEODROMIA

immaculata Haliday : Dimmingsdale 11/9/1948 (JE); Hanchurch 1/6/1989 (ARP)

PHYLLODROMIA

melanocephala Fabricius : Wrinehill Woods 10/7/1937 (HB)

CHELIFERA

diversicauda Collin : Manifold Valley 14/7/1937 (HB); Churnet Woods 14/9/1990 (MW)

pectinicauda Collin : Madeley 21/6/1935 (HB); Sandwell Valley 18/6/1989 (MGB)

preparatoria Fallén : Madeley 4/7/1936, Cheddleton Heath 27/5/1939 (HB); Coombes Valley 20/6/1986, Mermaid Inn 2/7/1991, Dovedale 8/7/1991 (MW); Sandwell Valley 30/10/1986 (MGB)

stigmatica Schiner : Churnet Woods 4/7/1991 (MW)

trapezina Zetterstedt : Manifold Valley 14/7/1937 (HB); Dovedale 8/7/1991 (MW)

HEMERODROMIA

laudatoria Collin : Dovedale 8/7/1991 (MW)

unilineata Zetterstedt : Manifold Valley 14/7/1937 (HB)

CLINOCERINAE

DOLICHOCEPHALA

guttata Haliday : Madeley 24/5/1937 (HB); Sandwell Valley 26/5/1979 (MGB)

irrorata Fallén : Madeley 23/5/1937 (HB); Sandwell Valley 7/6/1983 (MGB); Hanchurch 1/6/1989 (ARP)

TRICHOPEZA

longicornis Meigen : Dimmingsdale 17/7/1951 (JE); Coombes Valley 11/6/1987- (MW)

CLINOCERA

Subgenus HYDRODROMIA

fontinalis Haliday : Coombes Valley 20/8/1985 (MW); Sandwell Valley 9/9/1990 (MGB)

stagnalis Haliday : Sandwell Valley (MGB); Coombes Valley 5/9/1985 (MW); Copmere 2/6/1989 (ARP)

Subgenus KOWARZIA

bipunctata Haliday : Sandwell Valley July 1988 (MGB); Coombes Valley 20/6/1986 (MW)

WIEDEMANNIA

Subgenus WIEDEMANNIA

bistigma Curtis : Cannock Chase 4/6/1895 (RCB); Dimmingsdale 2/6/1955 (JE)

29. DOLICHOPODIDAE

Mostly small, bristly flies with a metallic bluish or greenish lustre. The head is characteristic, being longer than wide with the antennae being inserted at or above the middle. The front legs, and in some cases the antennae, of the males are often modified in some way. As with the Asilids and Empids these flies are often predatory but, unlike them, Dolichopodids tend to catch their prey by stalking. In many cases Dolichopodids frequent damp areas near water. When at rest they appear to stand on tip-toe, giving them a peering look. The Britten collection has been checked by Roy Crossley. [79/270+]

SCIAPODINAE

SCIAPUS

[*maritimus* Becker] : Sandwell Valley August 1980 (MGB).

platypterus Fabricius : Dimmingsdale 28/6/1947-51 (JE); Wolverhampton July 1977 (KGV); Sandwell Valley 16/7/1987 (MGB); Sandon Hall 5/7/1991 (MCB)

DOLICHOPODINAE

DOLICHOPUS

Subgenus DOLICHOPUS

agilis Meigen : Goldsitch Moss 12/6/1957 (JE). No voucher specimen. **RDB2**

atratus Meigen : Morridge 24/6/1935, Madeley 25/6/1936 (HB); Sherbrook Valley, Jackson's Coppice (DWE); Coombes Valley 12/8/1988 (MW)

brevipennis Meigen : Madeley 28/6/1936 (HB); Trent Vale 28/6/1986 (DWE); Sandwell Valley 11/6/1979 (MGB); Sandon Hall 5/7/1991 (MCB)

campestris Meigen : Madeley 3/7/1935 (HWD); Dimmingsdale 27/6/52 (JE); Sandwell Valley August 1987 (MGB)

claviger Stannius : Loynton Moss 6/7/1985 (DWE)

discifer Stannius : Loynton Moss 6/7/1985, Sherbrook Valley 3/7/1986 (DWE); Coombes Valley (MW); Sandwell Valley 7/6/1979 (MGB)

festivus Haliday : Keele University 2/7/1985 (DWE); Sandwell Valley August 1979 (MGB)

griseipennis Stannius : Sandwell Valley 30/8/1976 (MGB); Gnosall railway line 16/8/1987; Coombes Valley (MW)

latelimbatus Macquart : Sandwell Valley 8/9/1984 (MGB); Blithfield Reservoir 30/8/1986 (DWE).

lepidus Staeger : Dimmingsdale 20/5/1948 (JE); Loynton Moss 1986 (DWE)

longicornis Stannius : (Fonseca, 1978)

nubilus Meigen : Sandwell Valley 30/6/1979 (MGB)

pennatus Meigen : Madeley 28/6/1936 (HB); Consall, Cheddleton, Oakamoor (DWE); Coombes Valley (MW)

plumipes Scopoli : Morridge 24/6/1935, Madeley, Oakamoor, Swythamley (HB); Dimmingsdale (JE); Aqualate, Keele University, Morridge (DWE); Sandwell Valley (MGB); Coombes Valley (MW)

popularis Wiedemann : Dimmingsdale 21/5/1949-55; common and widespread (DWE)

trivialis Haliday : Madeley 28/6/1936, Swythamley (HB); Denford, Keele University, Loynton Moss (DWE); Sandwell Valley 25/6/1979 (MGB)

ungulatus Linnaeus : Madeley 28/6/1936 (HB); common and widespread (DWE)

urbanus Meigen : Cannock Chase 5/8/1890 (RCB)

vitripennis Meigen : Sherbrook Valley 7/7/1986; Baldstones 21/7/1986, Morridge 23/7/1987 (DWE)
wahlbergi Zetterstedt : Coombes Valley 15/7/1988 (MW); Sandwell Valley 20/7/1988 (MGB)

HERCOSTOMUS

Subgenus HERCOSTOMUS

aerosus Fallén : Sandwell Valley 17/6/1979 (MGB); Loynton Moss 21/6/1986 (DWE)
assimilis Staeger : Sandwell Valley 16/7/1988 (MGB). **Notable**
brevicornis Staeger : Sandwell Valley 8/7/1979 (MGB); Loynton Moss 16/8/1986 (DWE).
Notable
celer Meigen : Coombes Valley 19/7/1991 (MW)
chalybeus Wiedemann : Jackson's Coppice 4/8/1987 (DWE) **Notable**
chetifer Walker : Sandwell Valley 10/8/1979 (MGB)
cupreus Fallén : Oakamoor 17/6/1945 (HB); Dimmingsdale, Bishops Wood (JE); Copmere, Loynton Moss, Teanford (DWE); Coombes Valley (MW); Sandwell Valley 2/6/1979 (MGB)
germanus Wiedemann : Manifold Valley 14/7/1937 (HB); Sandwell Valley 1/7/1984 (MGB)
metallicus Stannius : Dimmingsdale 9/5/1950 (JE). No voucher specimen.
nanus Macquart : Sandwell Valley 18/6/1979 (MGB). **Notable**
nigripennis Fallén : Madeley 14/7/1937 (HB); Dimmingsdale 17/7/1951 (JE)

HYPOPHYLLUS

crinipes Staeger : Sandwell Valley 17/6/1979 (MGB).
discipes Ahrens : Sandwell Valley 11/7/1987 (MGB). **Notable**
obscurellus Fallén : Oakamoor 31/7/1945 (HB); Loynton Moss 26/7/1987 (DWE); Sandwell Valley 9/8/1979 (MGB); Coombes Valley 30/8/1985 (MW)

POECILOBOTHRUS

nobilitatus Linnaeus : Burton (EB); Greaves Wood 11/7/1957 (JE); Blithfield Reservoir, Rickerscote, Westport Lake (DWE); Shugborough (NTBS); Sandwell Valley (MGB)

HYDROPHORINAE

HYDROPHORUS

bipunctatus Lehmann : Sandwell Valley 16/10/1987 (MGB)
litoreus Fallén : "scarce" Madeley 23/3/1936 (HB)

SCELLUS

notatus Fabricius : Dimmingsdale 21/9/1952 (JE) no voucher; Sandwell Valley 30/8/1976 (MGB)

LIANCALUS

virens Scopoli : Dimmingsdale 18/5/1948-52, Dovedale 21/9/1952, Alton 8/8/1954 (JE); Coombes Valley 5/9/1985 (MW)

MEDETERINAE

MEDETERA

- ambigua* Zetterstedt : Dimmingsdale 17/7/1951 (JE); Coombes Valley (MW). **Notable**
impigra Collin : Coombes Valley 19/8/1985 (MW); Sandon Hall 5/7/1991 (MCB)
jacula Fallén : Sandwell Valley 30/9/1990 (MGB)
nitida Meigen : Wolverhampton July 1977 (KGVs). **Notable**
truncorum Meigen : Dimmingsdale 17/7/1951 (JE); Coombes Valley 19/8/1985- (MW)

RHAPHIINAE

RHAPHIUM

- albomaculatum* Becker : Manifold Valley 30/5/1986 (DWE). **Notable**
appendiculatum Zetterstedt : Sandwell Valley 29/5/1979 (MGB); Keele University 20/6/1986 (DWE); Coombes Valley 6/9/1985 (MW)
caliginosum Meigen : Sandwell Valley 4/6/1979 (MGB); Keele University 1987-88 (DWE); Coombes Valley 8/6/1986 (MW)
crassipes Meigen : Dimmingsdale 13/5/1952 (JE); Keele University 20/6/1986; Loynton Moss 16/5/1987, Oakamoor 18/6/1987 (DWE); Coombes Valley 20/6/1986 (MW)
elegantulum Meigen : Blithfield Reservoir 30/8/1986 (DWE).
laticorne Fallén : Sandwell Valley 22/7/1979 (MGB).
monotrichum Loew : Sandwell Valley 25/6/1979 (MGB); Coombes Valley 8/6/1986 (MW)
nasutum Fallén : Sandwell Valley 25/7/1990 (MGB). **Notable**
riparium Meigen : Sandwell Valley 29/7/1984 (MGB); Keele University (DWE), Westport Lake (DWE)

SYNTORMON

Subgenus SYNTORMON

- denticulatus* Zetterstedt : Burnt Wood 25/2/1940 (HB); Sandwell Valley 9/7/1979 (MGB); Coombes Valley 8/6/1986 (MW)
pallipes Fabricius : Sandwell Valley 19/5/1979 (MGB); Coombes Valley 18/6/1986 (MW)

Subgenus DRYMONAECA

- aulicus* Meigen : Sandwell Valley 7/6/1979 (MGB)

ACHALCUS

- cinereus* Haliday : Sandwell Valley 8/9/1990 (MGB). **Notable**
flavicollis Meigen : Madeley 13/7/1935 (HWD)

DIAPHORINAE

CHRYSOTUS

- angulicornis* Kowarz : Coombes Valley 2/7/1987 (MW). **Notable**
cilipes Meigen : Sandwell Valley 15/7/1988 (MGB)
cupreus Macquart : Madeley 17/6/1945; Trent Vale 1986 (DWE); Sandwell Valley 21/6/1979 (MGB)
femoratus Zetterstedt : Dimmingsdale 21/6/1952 (JE)
gramineus Fallén : Dimmingsdale 9/6/1952 (JE); Aqualate, Baldstones, Keele University, Jackson's Coppice, Gnosall, Trent Vale (DWE); Coombes Valley (MW)

neglectus Wiedemann : Whitmore Common 3/6/1952 (JE); Wolverhampton July 1977 (KGVs);
Trent Vale 29/6/1986 (DWE)

ARGYRA

argentina Meigen : Oakamoor 31/7/1945 (HB); Sandwell Valley 17/8/1982 (MGB)

argyria Meigen : Sandwell Valley 16/6/1979 (MGB); Trent Vale 1986 (DWE)

confinis Zetterstedt : Churnet Woods 2/10/1990 (MW)

diaphana Fabricius : Cannock Chase 4/6/1895 (RCB); Madeley 23/6/1935 (HB); Dimmingsdale,
Star Wood (JE); Deep Hayes, Loynton Moss, Keele University, Westport Lake (DWE);
Coombes Valley (MW); Sandwell Valley (MGB)

leucocephala Meigen : Dimmingsdale 21/7/1946-52 (JE); Copmere, Keele University, Loynton
Moss, Trent Vale (DWE); Coombes Valley (MW); Sandwell Valley 8/7/1979 (MGB)

perplexa Becker : Sandwell Valley 8/7/1979 (MGB); Coombes Valley 10/9/1985 (MW)

CAMPSICNEMINAE

CAMPSICNEMUS

Subgenus CAMPSICNEMUS

curvipes Fallén : Sandwell Valley 6/5/1979 (MGB); Loynton Moss 21/6/1986, Keele University
5/8/1987, Trent Vale 30/8/1986 (DWE); Coombes Valley (MW)

loripes Haliday : Sandwell Valley 18/10/1979 (MGB); Coombes Valley 1987-88 (DWE)

scambus Fallén : Madeley 23/2/1936 (HB); Loynton Moss 26/7/1987 (DWE); Sandwell Valley
11/9/1990 (MGB)

SYMPYCNUS

aenicoxa Meigen : (Fonseca, 1978)

desoutteri Parent : Sandwell Valley 22/7/1979 (MGB); Trent Vale 1986, Morridge 1987 (DWE)

XANTHOCHLORUS

[*ornatus* Haliday] : Dovedale 8/7/1991 (MW)

Sub-order : *CYCLORRHAPHA* Series : *ASCHIZA*

30. LONCHOPTERIDAE (Pointed-wing Flies)

Small brownish or yellowish, bristly flies with characteristically pointed wings. They can be found by examining grass tussocks or by sweeping low vegetation especially in shady areas. [4/7]

LONCHOPTERA

furcata Fallén : Dimmingsdale 3/10/1948 (JE); Coombes Valley 10/9/1985- (MW); Keele University 1987 (DWE); Sandwell Valley June-July (MGB)

lutea Panzer : abundant Madeley 18/9/1936 (HB); widespread and very common June-October (DWE)

nigrociliata Duda : Manifold Valley 28/3/1938 (HB). **Notable**

tristis Meigen : Burton (EB); Churnet Woods 1990 (MW); Coombes Valley 18/8/1990 (CWP)

31. PHORIDAE (Scuttle Flies)

These are minute to small flies with a characteristic scrambling action when they move; hence the common name. The larvae are found in a wide variety of often grisly situations such as rotting flesh (including interred corpses!), fungi and dung while others are parasites of ants. This is a difficult family to identify so it tends to be neglected. The Edwards specimens no longer exist. The nomenclature follows Disney (1983,1989). [16/315+]

METOPINIINAE

MEGASELIA

Subgenus APHIOCHAETA

obscuripennis Wood : Dimmingsdale 11/4/1951 (JE)

pleuralis Wood : Dimmingsdale 24/2/1951 (JE)

Subgenus MEGASELIA

glabrifrons Wood : Dimmingsdale 21/4/1951 (JE)

rufipes Meigen : Burton (EB); Madeley 21/3/1936 (HWD); Tettenhall 1955 (KGVS)

PHORINAE

ANEVRINA

thoracica Meigen : Sandwell Valley 25/9/1988 (MGB)

urbana Meigen : Sandwell Valley 10/9/1987 (MGB)

BOROPHAGA

Subgenus PEROMITRA

incrassata Meigen : Bishops Wood 5/9/1950 (JE)

CONICERA

Subgenus CONICERA

dauci Meigen : Tettenhall 27/9/1954 (KGVS); Sandwell Valley 8/7/1988 (MGB)

DIPLONEVRA

Subgenus DIPLONEVRA

florea Fabricius : Sandwell Valley 11/5/1985 (MGB)

nitidula Meigen : Basford May 1984 (NVic); Sandwell Valley 9/7/1988 (MGB)

PHORA

aterrima Fabricius : Dimmingsdale 28/7/1951 (JE); Coombes Valley (MW)

atra Meigen : Sandwell Valley 20/7/1988 (MGB)

dubia Zetterstedt : Coombes Valley 25/5/1986 (MW)

TRIPHLEBA

collini Schmitz : Coombes Valley 5/4/1987 (MW)

luteifemorata Wood : Sandwell Valley 17/7/1988 (MGB)

papillata Wingate : Sandwell Valley 15/5/1985 (MGB); Copmere 24/3/1991 (DWE)

32. PLATYPEZIDAE (Flat-footed Flies)

Small, thinly-haired flies with, in most species, flattened hind tarsi. Like Phorids, they have a habit of running rapidly over vegetation. Some are said to have a liking for smoke from bonfires. The larvae develop in fungi. The Edwards specimens no longer exist. [13/23]

OPETIINAE

OPETIA

nigra Meigen : Sandwell Valley 22/7/1979 (MGB)

PLATYPEZININAE

CALLOMYIA

amoena Meigen : Dimmingsdale 17/7/1951 (JE); Keele University 27/8/1987 (DWE); Sandwell Valley 24/5/1981 (MGB)

speciosa Meigen : Dimmingsdale 6/8/1951, Bishops Wood 30/5/1957 (JE); Sandwell Valley 3/9/1985 (MGB)

AGATHOMYIA

antennata Zetterstedt : Dimmingsdale 3/7/1944-52 (JE)

unicolor Oldenberg : Sandwell Valley 28/10/1979 (MGB)

PLATYPEZINAE

PROTOCLYTHIA

modesta Zetterstedt : Dimmingsdale 3/10/1948-53 (JE); Sandwell Valley 26/9/1982 (MGB)

rufa Meigen : Sandwell Valley 26/9/1982 (MGB)

PLATYPEZA

aterrima Walker : Sandwell Valley 5/10/1980 (MGB)

fasciata Meigen : Dimmingsdale 25/9/1948-51 (JE); Sandwell Valley 29/9/1979 (MGB)

PARAPLATYPEZA

atra Meigen : Sandwell Valley 19/6/1979 (MGB)

ORTHOVENA

furcata Fallén : Coombes Valley 14/6/1953 (JE) and 12/6/1985 (MW)

POLYPORIVORA

infumata Haliday : Dimmingsdale 6/10/1951 (JE); Sandwell Valley 26/6/1979 (MGB)

picta Meigen : Dimmingsdale 5/10/1950-51 (JE); Sandwell Valley 9/10/1977 (MGB)

33. PIPUNCULIDAE (Big-headed Flies)

Small, dark-coloured flies with enormous spherical eyes, taking up almost the entire head. They have a characteristic slow hovering flight as they move between the blades of grass or low vegetation. The larvae live as internal parasites of Homoptera ie. leafhoppers and froghoppers. [25/76]

CHALARINAE

CHALARUS

All records are provisional as the genus is actively being split into further species.

[*fimbriatus* Coe] : Berrisford Dale 28/6/1991 (MW)

[*latifrons* Hardy] : (Coe, 1966); Sandon Hall 5/7/1991 (MCB)

[*spurius* Fallén] : Dimmingsdale 6/6/1951; Bishops Wood 20/6/1951, Coombes Valley 14/6/1953 (JE); Dovedale 8/7/1991 (MW)

VERRALLIA

aucta Fallén : Madeley 8/7/1935 (HB); Dimmingsdale 30/7/1951, 6/8/1951 (JE); Wolverhampton July 1977 (KGVS); Trent Vale 29/6/1986, Jacksons Coppice 29/6/1991 (DWE); Sandwell Valley May-June (MGB); Coombes Valley (MW); Sandon Hall 5/7/1991 (MCB)

pilosa Zetterstedt : (Coe, 1966); Dimmingsdale 29/5/1949-3/5/1956 (JE)

setosa Verrall : Dimmingsdale 20/5/1948-52 (JE); Loynton Moss 10/5/1987 (DWE); Sandwell Valley 7/5/1981 (MGB)

villosa von Roser : Dimmingsdale 5/6/1948 (JE)

PIPUNCULINAE

TOMOSVARYELLA

kuthyi Aczel : (Coe, 1966)

nigritula Zetterstedt : (Coe, 1966)

palliditarsis Collin : Sandwell Valley 31/8/1981 (MGB). **Notable**

sylvatica Meigen : Madeley and Maer Woods 22/6/1935 (HB); Rudyard 28/6/1991 (MW)

DORYLORPHA

confusa Verrall : Coombes Valley 27/6/1988 (MW)

PIPUNCULUS

campestris Latreille : Dimmingsdale 19/5/1948, 29/5/1948, Bishops Wood 1951-54 (JE);
Coombes Valley (MW); Sandon Hall 24/5/1991 (MCB)

spinipes Meigen : Dimmingsdale 15/8/1953, 13/6/1954 (JE)

thomsoni Becker : Dimmingsdale 8/6/1946 (JE); Sandwell Valley 16/7/1987 (MGB); Coombes
Valley 9/7/1988 (MW)

CEPHALOPS

titania Coe : Maer Hills 17/8/1936 (HB in Coe, 1966)

EUDORYLAS

fascipes Zetterstedt : Trent Vale 28/6/1986 (DWE)

fuscipes Zetterstedt : Dimmingsdale 29/7/1950-51 (JE). No voucher specimen.

melanostolus Becker : Bishops Wood 12/7/1954 (JE) **Notable**

obscurus Coe : Sandwell Valley 14/6/1981 (MGB)

subfascipes Collin : Sandon Hall 5/7/1991 (MCB); Coombes Valley 19/7/1991 (MW)

subterminalis Collin : (Coe, 1966)

terminalis Thomson : Sherbrook Valley 27/8/1929 (HB) **RDB2**

zonatus Zetterstedt : (Coe, 1966)

zonellus Collin : (Coe, 1966)

34. SYRPHIDAE (Hoverflies)

Hoverflies are one of the few groups of flies that is familiar to everyone even though they may not realise just what they are looking at. They are amongst the most colourful and agile of the flies. Their habit of hovering, motionless is well known but it is as mimics that they are most interesting. The range of size and shape within a single family is exceptional and this is due largely to the varied range of hymenoptera that they copy. Their resemblance to species of bee, wasp and ant is at times uncanny. This has always been a popular family with collectors, never more so since the publication of *British Hoverflies* (1983) by Stubbs & Falk in which almost the whole family is illustrated in colour. The larvae can be found in a variety of situations including raw sewage and rotting timber while others predate aphids and are thus useful in pest control. Being attracted to blossoms, the adults are important as pollinators.

Because of the interest in the family the amount of data gathered is such that it has been possible to compile distribution maps for each species. The first such maps are to be found in Rotheray (1979) *Atlas of the Diptera of Staffordshire*; Part 1; Hoverflies, while more complete maps were produced by myself in 1988. Both these publications are available from the City Museum and Art Gallery, Hanley, Stoke-on-Trent. In the following account I have, as before, given the date or source of the first Staffordshire record. Where there are less than six records these have been listed otherwise I have given a statement as to the abundance of the species. Finally, I have summarised the distribution data by quoting the number of 10Km squares in which each species has been found eg. [10/39]; there being 20 10Km squares wholly within Staffordshire and another 19 partly in a neighbouring county. The nomenclature follows Stubbs and Falk (1983). [173/260+]

SYRPHINAE

BACCHINI

BACCHA

elongata Fabricius and *obscuripennis* Meigen : The identification of these two species is tricky and old records are certainly unreliable. The current position is to lump the two together as *Baccha* sp. They are fairly common though often go un-noticed. [18/39]

MELANOSTOMA

mellinum Linnaeus : Burton (EB); widespread and common, especially in grassy places (DWE). [31/39]

scalare Fabricius : Burton (EB); widespread and common, especially in grassy places (DWE). [30/39]

PLATYCHEIRUS

Subgenus PACHYSPHYRIA

ambiguus Fallén : Sandwell Valley 26/5/1984 (MGB). [1/39]

Subgenus PLATYCHEIRUS

albimanus Fabricius : Dimmingsdale 8/7/1944 (JE); very common. [26/39]

angustatus Zetterstedt : Dimmingsdale 25/6/1949, Goldsitch Moss 13/5/1953 (JE); Keele University 4/6/1979, Goldsitch Moss 14/7/79, Trent Vale 1981, Morridge 23/7/1987 (DWE); Sandwell Valley (MGB); Uttoxeter 29/6/1987 (MCB); Aqualate (NCC). [7/39]

clypeatus Meigen : common and widespread but see below (DWE) [6/39]

[*clypeatus* Meigen] : Burton (EB); Old records of this common and widespread species are unreliable as it has recently been shown to comprise three different species. All my records have proved to be *clypeatus*, the commoner of the three. [15/39]

discimanus Loew : Dimmingsdale 18/4/1946 (JE); Burnt Wood 14/4/1981 (DWE). [2/39].

Notable

fulviventris Macquart : Bradely Common 19/6/1949 (JE); Aqualate 27/6/1981 (DWE); Coombes Valley 6/8/1986 (MW); Sandwell Valley 15/8/1977 onwards (MGB). [4/39]

[*immarginatus* Zetterstedt] : All previous records of this species are unreliable as no voucher specimens exist.

manicatus Meigen : Burton (EB); widespread and fairly common. [28/39]

nielsenii Vockeroth (=Species A) : Goldsitch Moss 14/7/1979, Morridge 23/7/1987 (DWE); Coombes Valley (MW). This species was separated from *P. peltatus* and referred to as Species A in Stubbs and Falk (1986). [2/39]

peltatus Meigen : Keele University, Blithfield Reservoir, Burnt Wood but see below (DWE) [3/39]

[*peltatus* Meigen] : Dimmingsdale 24/6/1944 (JE). This common species has been split into several new species so all records need checking. [28/39]

perpallidus Verrall : Sandwell Valley 4/6/1974 onwards (MGB). [1/39]. **RDB3**

[*podagratus* Zetterstedt] : Alimore Green 29/7/1975 (GER); Coombes Valley 20/7/1988 (MW). [2/39] **Notable**

scambus Staeger : Bishops Wood 19/8/1951, Goldsitch Moss 10/7/1956, Barlaston 2/7/1957 (JE); Denford 9/7/1986 (DWE); Coombes Valley 29/6/1988 (MW); Sandwell Valley 28/5/1988 (MGB); Loynton Moss 5/7/1987 (MCB). [7/39]

scutatus Meigen : Dimmingsdale August 1944 (JE); common. [21/39]

tarsalis Schummel : Keele University 25/5/1980, 13/5/1984, Loynton Moss 18/5/1986 (DWE); Coombes Valley 27/6/1988 (MW); Wolverhampton 1990 (A&GK); Clayton 31/5/1990 (CWP). [4/39]. **Notable**

PYROPHAENA

granditarsa Forster : Burton (EB); fairly common in damp and marshy areas. [23/39]

rosarum Fabricius : Burton (EB); uncommon in damp and marshy areas. [10/39]

XANTHANDRUS

comtus Harris : Oldacre Valley 15/9/1986 (MCB); Sandwell Valley 27/9/1987 (MGB). [2/39].

Notable

PARAGINI

PARAGUS

Subgenus PANDASYOPHTHALMUS

haemorrhous Meigen : Milford 15/8/1987 (DWE); Sandwell Valley 7/7/1991 (MGB). [2/39].

[*tibialis* Fallén] : Burton (EB). Separation of these two species was not possible at the time of this record so, without a specimen, its validity must be in doubt.

SYRPHINI

CHRYSOTOXUM

arcuatum Linnaeus : Burton (EB); uncommon and local, generally in old woodland and moorland fringes [10/39]

bicinctum Linnaeus : Burton (EB); uncommon, often in sheltered grassy places. [12/39]

festivum Linnaeus : Sandwell Valley 24/6/1974 onwards (MGB); Wolverhampton August 1978 and 1983 (EcB) and 18/6/1989, 30/5/1990 (A&GK). [3/39]

DASYSYRPHUS

albostrigatus Fallén : Burton (EB); fairly common in woodland fringes. [19/39]

lunulatus Meigen : Dimmingsdale 27/6/1947 (JE); Keele University 1979/80 (DWE); Coombes Valley 7/7/1988 (MW); Sandwell Valley 3/6/1973 onwards (MGB); Uttoxeter 1/7/1987 (MCB). [4/39]

tricinctus Fallén : Hawksmoor 4/7/1935 (HB); common around woodland margins. [20/39]

venustus Meigen : Cannock Chase 4/6/1895 (RCB) and 9/6/1933 (HB); common in woodland fringes, especially in spring. [16/39]

DIDEA

fasciata Macquart : Dimmingsdale 25/5/1947, 25/9/1948 (JE); Keele University 1/9/1979, Maer Hills September 1981 and 1990 (DWE); Churnet Valley 10/8/1988 (MW); Sandwell Valley 19/9/1986 (MGB). There is an association with old woodland. [5/39]. **Notable**

EPISTROPHE

Subgenus EPISTROPHE

eligans Harris : Burton (EB); common, especially in spring. [18/39]

grossulariae Meigen : Dimmingsdale 8/7/1944 (JE); quite common, especially on umbels. [20/39]

nitidicollis Meigen : Sandwell Valley 26/5/1978 (MGB). [1/39]. **Notable**

EPISYRPHUS

balteatus Degeer : Burton (EB); very common, occasionally abundant; local populations reinforced by migrants. [33/39]

LEUCOZONA

Subgenus ISCHYROSYRPHUS

glaucia Linnaeus : Burton (EB); fairly common in woodlands, particularly favours umbels. [22/39]

laternaria Müller : Burton (EB); not uncommon in woodlands on umbels. [19/39]

Subgenus LEUCOZONA

lucorum Linnaeus : Burton (EB); common especially along rich woodland rides. [26/39]

MEGASYRPHUS

annulipes Zetterstedt : Dimmingsdale 12/8/1945 (JE); Keele University 22/5/1981 (DWE). [2/39]. **Notable**

MELANGYNA

Subgenus MELANGYNA

arctica Zetterstedt : Colwich (CJW); local and scarce. [14/39]

compositarum Verrall : Colwich (CJW); local and uncommon. This and the next species are difficult and uncertain to separate. [7/39]

labiatarum Verrall : Dimmingsdale 12/5/1947 (JE); Alton 17/7/1974 (GER); Coombes Valley 20/7/1988 (MW); Sandwell Valley 26/7/1973 onwards (MGB); Perton 1/8/1983 (EcB). [4/39]

lasiophthalma Zetterstedt : Madeley 2/4/1946 (HB); not uncommon in spring, probably overlooked because of its early appearance. [7/39]

quadrifaculata Verrall : Dimmingsdale 19/3/1945 (JE); Burnt Wood 29/3/1981 (DWE); Sandwell Valley 27/3/1988 (MGB). [3/39].

umbellatarum Fabricius : Burton (EB); not uncommon in woodland. [12/39]

Subgenus MELIGRAMMA

cincta Fallén : Dimmingsdale August 1944 (JE); Coombes Valley 23/6/1979, Loynton Moss 10/5/1987, Keele University 1987 (DWE); Sandwell Valley (MGB). [5/39]

guttata Fallén : Dimmingsdale 5/7/1945 (JE); Sandwell Valley 12/7/1980 (MGB). [2/39] **Notable**

triangulifera Zetterstedt : Sandwell Valley 24/7/1981 (MGB); Burnt Wood 16/6/1982 (DWE). A southern species. [2/39] **Notable**

MELISCAEVA

auricollis Meigen : Burton (EB); fairly common. [12/39]

cinctella Zetterstedt : Dimmingsdale 22/7/1944 (JE); common. [15/39]

METASYRPHUS

Subgenus LAPPOSYRPHUS

species A : Stafford Castle 16/8/1986 (MCB). This so far un-named species was separated from *Metasyrphus lapponicus* Zetterstedt by Stubbs and Falk. It is thought to be a colonist associating with conifers. [1/39]. **Notable**

Subgenus METASYRPHUS

corollae Fabricius : Burton (EB); very common. [27/39]

latifasciatus Macquart : Dimmingsdale 12/5/1941 (JE); Swallow Moss, Trent Vale, Churnet Valley, Rudyard Lake (DWE); Dapple Heath 31/8/1989 (MCB); Sandwell Valley 19/8/1979 onwards (MGB); Coombes Valley (MW); Belvide Reservoir 1983/84 (EcB); Clayton 31/5/1990 (CWP); Sandon Hall 2/9/1991 (MCB). [8/39]

latilunulatus Collin : Sandwell Valley 29/5/1983 (MGB). [1/39]. **Notable**

luniger Meigen : Dimmingsdale 8/7/1944 (JE); very common. [27/39]

nitens Zetterstedt : Alton 17/7/1974 (GER). [1/39]. **Notable**

PARASYRPHUS

lineolus Zetterstedt : Cannock Chase 8/5/1947 (JE); Keele University 1/5/1980, 1/8/1981, Burnt Wood 23/8/1980 (DWE). [3/39]

punctulatus Verrall : Dimmingsdale 18/4/1945 (JE); Keele University 8/5/1979, 25/8/1980 (DWE); Coombes Valley 5/8/1986 (MW); Stafford Castle 19/5/1987 (MCB); Sandwell Valley 29/6/1981 onwards (MGB). [5/39]

vittiger Zetterstedt : Dimmingsdale 30/7/1951, 22/4/1953, Cannock Chase 9/5/1953, Chartley Moss 21/5/1955 (JE); Coombes Valley 2/8/1988, Churnet Valley 27/7/1988 (MW). [4/39]. **Notable**

SCAEVA

pyrastris Linnaeus : Burton (EB); common, population occasionally boosted by migrants. [18/39]

selenitica Meigen : Dimmingsdale 8/7/1947 (JE); Brown Edge, Burnt Wood, Keele University (GER); Hem Heath Wood 1978 (DWE); Coombes Valley (MW). [6/39]

SPHAEROPHORIA

batava Goeldlin : Sandwell Valley 29/8/1987 (MGB); Dimmingsdale 1990 (MW). [2/39]

menthastris Linnaeus : Dimmingsdale August 1944 (JE); not uncommon. [15/39]

philanthus Meigen : Dimmingsdale 30/6/1945-46 (JE); Sandwell Valley 11/7/1989 (MGB) [2/39]

rueppellii Wiedemann : Sandwell Valley 11/7/1976 (MGB). [1/39]

scripta Linnaeus : Dimmingsdale 15/7/1944 (JE); commonest of genus. [26/39]

SYRPHUS

ribesii Linnaeus : Burton (EB); abundant and widespread. [33/39]

torvus Osten-Sacken : Burton (EB); common, especially in spring. [12/39]

vitripennis Meigen : Burton (EB); very common and widespread. [24/39]

XANTHOGRAMMA

citrofasciatum Degeer : Burton (EB). [1/39]. **Notable**

pedissequum Harris : Burton (EB); Dimmingsdale 13/8/1945 (JE), no voucher specimen. [2/39]

MILESIINAE

CALLICERINI

CALLICERA

aenea Fabricius : Dimmingsdale 12/7/1943 (JE); Wolverhampton 17/8/1988 (A&GK). [2/39].

RDB2

CHEILOSINI

CHEILOSIA

- albipila* Meigen : Dimmingsdale 12/4/1944 (JE); Coombes Valley 10/4/1988 (MW); Sandwell Valley 17/5/1976 (MGB). [3/39]
- albitarsis* Meigen : Dimmingsdale 18/6/1944; common, especially on buttercups. [21/39]
- antiqua* Meigen : Dimmingsdale 2/6/1945 (JE); not uncommon in woodland. [11/39]
- [*barbata* Loew] : Aqualate (NCC). [1/39]. As this is a limestone species it would not be expected here. Therefore, as no voucher specimen exists, there must be some doubt as to the validity of this record.
- bergenstammi* Becker : Dimmingsdale 8/5/1949, Ipstones (JE); Keele University 1/9/1979, Aqualate 9/8/1981, Oakamoor 18/6/1987 (DWE); Coombes Valley (MW); Sandwell Valley 11/8/1985 (MGB). [6/39]
- fraterna* Meigen : Oakamoor 31/7/1945 (HB); uncommon in damp meadows. [15/39]
- grossa* Fallén : Burton (EB); Manifold Valley 5/5/1979, Westport Lake 11/4/1988 (DWE); Trinity Fields 1/5/1986 (MCB); Sandwell Valley 24/4/1978 (MGB). [5/39]
- honesta* Rondani : Dimmingsdale 12/5/1945 (JE); Coombes Valley 23/6/1979 (DWE); Sandwell Valley 30/5/1984 (MGB); Hatherton 1984 (NW). A southern species. [4/39]
- illustrata* Harris : Burton (EB); widespread and not uncommon. [21/39]
- impressa* Loew : Dimmingsdale 31/8/1957, Alton 15/5/1958 (JE); Westport Lake 14/8/1987, Gnosall railway line 16/8/1987 (DWE); Sandwell Valley 8/8/1976 (MGB); Sandon Hall 24/5/1991 (MCB). [6/39]
- intonsa* Loew : Keele 26/5/1975 (GER); Sandwell Valley 12/8/1979 (MGB). [2/39]
- longula* Zetterstedt : Bishops Wood 22/7/1953 (JE). [1/39]
- [*nasutula* Becker] : Dimmingsdale 29/5/1946, Alton 9/5/1946 (JE). [1/39]
- pagana* Meigen : Dimmingsdale 8/7/1944 (JE); common and widespread. [25/39]
- proxima* Zetterstedt : Dimmingsdale 26/5/1947 (JE); fairly common. [11/39]
- pubera* Zetterstedt : Coombes Valley 5/6/1991 (MW) **Notable**
- scutellata* Fallén : Burton (EB); fairly widespread in woods but not common. [18/39]
- soror* Zetterstedt : Dimmingsdale 16/8/1945 (JE); Coombes Valley (MW); Crowgutter 19/8/1990 (DS). [2/39]. **Notable**
- variabilis* Panzer : Burton (EB); quite common. [14/39]
- velutina* Loew : Sandwell Valley 10/8/1976 onwards (MGB); Coombes Valley 15/8/1979 (MW). [2/39]. **Notable**
- vernalis* Fallén : Dimmingsdale 11/5/1946, 17/5/1947 (JE); Keele University 1981, Cheddleton 19/5/1981, Rudyard Lake 20/8/1988, Alimore Green 15/7/1991 (DWE); Trinity Fields 28/8/1987, Sandon Hall 24/5/1991 (MCB); Sandwell Valley 17/8/1978 (MGB); Coombes Valley (MW); Belvide Reservoir and Chillington (EcB). [8/39]
- vulpina* Meigen : Dimmingsdale 24/5/1947 (JE); Stafford Castle 23/8/1986 (MCB); Loynton Moss 10/7/1986 (DWE); Perton 1/8/1983, Hednesford 4/8/1983 (EcB). Southern species. [5/39]

FERDINANDEA

cuprea Scopoli : Burton (EB); Dimmingsdale 14/4/1946 (JE); Loynton Moss 8/6/1986 (DWE); Churnet Valley 4/8/1988 (MW); Sandwell Valley (MGB); Hatherton 21/8/1983 (NW).
Species of old woodland. [5/39]

ruficornis Fabricius : Sandwell Valley 29/4/1984 (MGB). [1/39]

PORTEVINIA

maculata Fallén : Needwood Forest 18/5/1952, Star Wood 24/5/52, Ipstones 30/5/54 (JE); Wettonmill 9/5/78, Churnet Valley 14/5/82 (MW); Walsall May 1987 (MGB).
Distribution is associated with that of its larval foodplant - Ramsons. [5/39]

RHINGIA

campestris Meigen : Mayfield (FJ); widespread and very common. [28/39]

[*rostrata* Linnaeus] : Burton (EB); At this time only *rostrata* was recognised but Brown's specimens probably refer to *campestris*, the commoner of the two. **RDB2**

CHRYSOGASTRINI

BRACHYOPA

[*bicolor* Fallén] : Burton (EB). Given the very restricted southern distribution, it is doubtful that this is a genuine record. Also, it was not separated from *scutellaris* until 1939, before which time all species were known as *bicolor*. [1/39]. **RDB2**

scutellaris Rob.-Des. : Newcastle 5/6/51 (JE); Sandwell Valley 5/6/1974 onwards (MGB); Sandon Hall 24/5/1991 (MCB). [3/39]

CHRYSOGASTER

chalybeata Meigen : Burton (EB); uncommon in lush meadows and fens. [12/39]

hirtella Loew : Burton (EB); not uncommon in rich water margins. [13/39]

solstitialis Loew : Burton (EB); widespread and frequent on umbels. [23/39]

LEJOGASTER

metallina Fabricius : Burton (EB); fairly common especially in damp areas. [18/39]

splendida Meigen : Coombes Valley 1990 (MW). [1/39]. **Notable**

NEOASCIA

geniculata Meigen : Ford Green 24/5/1987 (DWE). [1/39]. **Notable**

meticulosa Scopoli : Sandwell Valley 20/5/1978 (MGB); Loynton Moss 9/6/1984, Westport Lake 16/5/1987 (DWE); Coombes Valley (MW). [4/39]

obliqua Coe : Highfields 6/7/1986 (MCB); Churnet Valley 7/8/1988 (DWE); Sandwell Valley 1/5/1987 (MGB). [3/39]. **Notable**

podagrica Fabricius : Burton (EB); widespread and common. [28/39]

tenur Harris : Sandwell Valley 2/6/1977 (MGB); fairly common. [18/39]

ORTHONEVRA

brevicornis Loew : Bishops Wood 28/6/1951; Sandwell Valley 1/6/1980 (MGB). [2/39] **Notable**

nobilis Fallén : Dimmingsdale 25/7/1956 (JE); Gnosall railway line 16/8/1987 (DWE); Coombes Valley 27/6/1988 (MW). [3/39]

splendens Meigen : Burton (EB); generally distributed in wetter areas. [18/39]

SPHEGINA

clunipes Fallén : Dovedale (FJ); not uncommon in shadey places. [11/39]

kimakowiczi Strobl : Sandwell Valley 17/7/1977 (MGB); Keele University 24/8/1984, Hem Heath Wood 2/9/1984 (DWE); Churnet Valley 20/7/1986 (MW). [4/39]
verecunda Collin : Coombes Valley 14/7/1991 (MW) **Notable**

ERISTALINI

ANASIMYIA

contracta Claussen & Torp : Sandwell Valley 18/8/1984 (MGB). [1/39]. **Notable**
lineata Fabricius : Burton (EB); not uncommon in marshy areas. [10/39]
transfuga Linnaeus : Dimmingsdale 31/5/1947, Alton 25/6/1952 (JE); Westport Lake 1986/87 (DWE); Sandwell Valley 2/6/1981 onwards (MGB). [4/39]

ERISTALINUS

sepulchralis Linnaeus : Burton (EB); not uncommon in damp areas. [18/39]

ERISTALIS

Subgenus EOSERISTALIS

abusivus Collin : Sugnall 7/7/1978, Acton 15/7/1979, Aqualate 16/8/1980, Keele University 1980, Belvide Reservoir 1984 (DWE); Sandwell Valley 14/7/1984 (MGB); Blithfield Reservoir July & August 1983 (EcB). [7/39]
arbustorum Linnaeus : Burton (EB); widespread and very common. [27/39]
horticola Degeer : Burton (EB); widespread and common. [24/39]
intricarius Linnaeus : Burton (EB); widespread and common. [25/39]
nemorum Linnaeus : Burton (EB); widespread and common. [23/39]
pertinax Scopoli : Burton (EB); widespread and abundant. [33/39]
rupium Fabricius : Dimmingsdale 27/6/1952, Coombes Valley 9/6/1954 (JE) and 27/6/1988 (MW). [2/39]. **Notable**

Subgenus ERISTALIS

tenax Linnaeus : Burton (EB); widespread and abundant - the 'Drone Fly'. [32/39]

HELOPHILUS

hybridus Loew : Madeley 3/7/1935 (HB); uncommon and local in marshy areas. [12/39]
pendulus Linnaeus : Burton (EB); widespread and common. [31/39]
trivittatus Fabricius : Cannock Chase (RCB); Dimmingsdale 2/6/1951 (JE); Sandwell Valley 1/10/1988 (MGB). [3/39]

MALLOTA

cimbiciformis Fallén : Sandwell Valley 22/7/1978 (MGB). [1/39]. **Notable**

MYATHROPA

florea Linnaeus : Burton (EB); not uncommon in wooded areas. [17/39]

PARHELOPHILUS

frutetorum Fabricius : Dimmingsdale 8/7/1944-1955 (JE); Westport Lake 1987, Copmere 26/7/1987 (DWE); Sandwell Valley 2/7/1977 onwards (MGB). [4/39]. **Notable**
versicolor Fabricius : Dimmingsdale 15/7/1944, Alton 9/6/1952 (JE); Westport Lake 20/6/1987, Cheddleton 20/6/1987 (DWE); Churnet Valley 10/6/1987 (MW); Sandwell Valley 12/7/1981 onwards (MGB); Doxey Marshes 19/5/1987 (MCB). [5/39]

MERODONTINI

EUMERUS

strigatus Fallén : Burton (EB); Sandwell Valley 30/7/1976 onwards (MGB); Highfields 1988, Sandon Hall 24/5/1991 (MCB); Hatherton 23/8/1983, Bickford Meadows 1983/84 (NW). [5/39]

tuberculatus Rondani : Madeley 24/7/1933 (HWD); Clayton 1985 (CWP), Keele University 29/5/1986, Trent Vale 28/6/1986 (DWE); Sandwell Valley 15/6/1981 (MGB); Dapple Heath, Highfields, Loynton Moss, Trinity Fields, Uttoxeter (MCB). [6/39]

MERODON

equestris Fabricius : Oakamoor 17/6/1935 (HB); widespread but not common - the 'Narcissus Bulb Fly'. [16/39]

PIPIZINI

HERINGIA

heringi Zetterstedt : Sandwell Valley 6/8/1978 (MGB); Coombes Valley 23/6/1978 (MW). [2/39].

NEOCNEMODON

vitripennis Meigen : Burton (EB); Dimmingsdale 20/5/1948 (JE); Sandwell Valley 2/9/1979 (MGB); Churnet Woods 4/7/1991 (MW). [4/39]

PIPIZA

austriaca Meigen : Dimmingsdale 6/8/1947 (JE); uncommon. [8/39]

bimaculata Meigen : Burton (EB); Sandwell Valley 13/6/1987 (MGB). [2/39]. **Notable**

fenestrata Meigen : Sandwell Valley 2/6/1977 (MGB). [1/39]

luteitarsis Zetterstedt : Sandwell Valley 11/6/1978 (MGB). [1/39]

noctiluca Linnaeus : Burton (EB); uncommon and local. [10/39]

PIPIZELLA

varipes Meigen : Dimmingsdale 9/6/1949 (JE); Sandwell Valley 17/6/1979 (MGB); Loynton Moss 1985/86 (DWE); Gnosall railway line 21/6/1987, Sherbrook Valley 1/8/1987, Uttoxeter 29/6/1987 (MCB). [6/39]

virens Fabricius : Sandwell Valley 17/6/1979 (MGB). [1/39]. **Notable**

TRICHOPSOMYIA

flavitarsis Meigen : Burton (EB); Cuckoo Cliff 12/6/1988 (DWE); Coombes Valley 23/6/1991 (MW). [3/39]

TRIGLYPHUS

primus Loew : Sandwell Valley 24/8/78- (MGB). [1/39]. **Notable**

SERICOMYIINI

ARCTOPHILA

fulva Harris : Burton (EB); local and scarce around woodland fringes, more often met with in late autumn. [14/39]. **Notable**

SERICOMYIA

lapponna Linnaeus : Burton (EB); uncommon and local. [12/39]

silentis Harris : Burton (EB); associated with heaths and moors but also in old woodland clearings. [20/39]

VOLUCELLINI

VOLUCELLA

bombylans Linnaeus : Burton (EB); fairly common in wooded areas. [25/39]

pellucens Linnaeus : Burton (EB); fairly common and widely distributed. [25/28]

XYLOTINI

BRACHYPALPOIDES

lenta Meigen : Burton (EB); uncommon in old woodland. A largely southern species. [9/39].

Notable

BRACHYPALPUS

laphriformis Fallén : Coombes Valley 15/6/1988 (MW). A species of ancient woodland. [1/39].

Notable

CALIPROBOLA

[*speciosa* Rossi] : Burton (EB). [1/39] **RDB1**

CHALCOSYRPHUS

Subgenus XYLOTINA

nemorum Fabricius : Colwich (CJW); uncommon in old woodland. [8/39]

CRIORHINA

asilica Fallén : Burton (EB); Dimmingsdale 1945-49 (JE). [2/39]. **Notable**

berberina Fabricius : Dimmingsdale 4/5/1946, Ipstones, Alton (JE); Keele University 1980/85, Chillington Park 12/6/1988 (DWE); Sandwell Valley 1/6/1988 (MGB). [6/39]. **Notable**

floccosa Meigen : Burton (EB); Madeley 3/6/1935 (HB), Dimmingsdale 1947-56, Hawksmoor 17/6/1955 (JE); Keele University 29/6/1980 (DWE); Sandwell Valley 16/5/1976 onwards (MGB); Coombes Valley (MW). [7/39]

ranunculi Panzer : Dimmingsdale 8/4/1945-52 (JE); Star Wood 22/4/1953 (RGW); Needwood Forest 9/4/1989 (DWE); [2/39] **Notable**

SYRITTA

pipiens Linnaeus : Burton (EB); very common and widespread. [32/39]

TROPIDIA

scita Harris : Aqualate (NCC); Loynton Moss 10/7/1986 (DWE). [1/39].

XYLOTA

abiens Meigen : Dimmingsdale 29/6/1946-52 (JE); Burnt Wood 3/7/79 (MW), 23/8/1980 (DWE); Sandon Hall 27/6/1991 (MCB). [3/39] **Notable**

coeruleiventris Zetterstedt : Alton 29/8/1947 (JE). [1/39]. **Notable**

florum Fabricius : Dimmingsdale 13/6/1946-56 (JE); Churnet Valley 26/7/1988, Coombes Valley 3/8/1988 (MW); Betley, Brown Edge (GER). [4/39]. **Notable**

segnis Linnaeus : Burton (EB); common and widespread in woods and hedgerows. [26/39]
sylvarum Linnaeus : Burton (EB); not uncommon in woodland. [17/39]
tarda Meigen : Sandwell Valley 1/10/1981 (MGB). [1/39]. **Notable**
xanthocnema Collin : Shugborough 29/7/1985 (NTBS). [1/39] **Notable**

35. CONOPIDAE

Medium-sized flies with a strong resemblance to solitary wasps. They have a large head with long antennae, usually held forwards. The proboscis is also long and again held forwards. It may be hinged either at the base only or also in the middle, in which case it is folded in the manner of a pen-knife. The larvae are internal parasites of bees and wasps, the female laying her eggs on the host whilst in flight. The larvae gain nourishment by sucking the blood of the host which is eventually killed. [9/18]

CONOPINAE

CONOPINI

CONOPS

flavipes Linnaeus : Cannock Chase 3/8/1890 (RCB); Mayfield, Dove Valley (FJ); Madeley (HB); Dimmingsdale, Bishops Wood (JE); Keele University, Brocton (DWE); Kinver Edge (NTBS); Sandwell Valley (MGB); Coombes Valley (MW); Wolverhampton, Smestow (A&GK)

quadrifasciata Degeer : Burton (EB); Danebridge 26/8/1985 (KNAA); Burnt Wood 19/8/1990, Brocton 18/8/1987, Copmere 3/8/1991 (DWE); Sandwell Valley (MGB); Coombes Valley (MW); Blithfield Reservoir July 1983 (EcB); Wolverhampton (A&GK); Hatherton 22/8/1983 (NW); Sandon Hall 28/7/1991 (MCB)

strigatus Wiedemann : Brocton 15/5/1987 (DWE). **Notable**

vesicularis Linnaeus : Chartley Moss 13/7/1932 (HB). **Notable**

PHYSOCEPHALINI

PHYSOCEPHALA

rufipes Fabricius : Bishops Wood 14/6/1952 (JE); Keele University (DWE); Sandwell Valley (MGB); Coombes Valley (MW); Wolverhampton (A&GK); Hatherton 22/8/1983 (NW)

MYOPINAE

MYOPINI

MYOPA

buccata Linnaeus : Dimmingsdale 7/6/1947-53 (JE); Alton (JCD)

testacea Linnaeus : Cannock Chase 9/5/1953 (JE). **Notable**

THECOPHORA

atra Fabricius : Burton (EB)

SICINI

SICUS

ferrugineus Linnaeus : Burton (EB); Dimmingsdale 17/7/1950 (JE); Kinver Edge 31/7/1985; Shugborough 29/7/1985 (NTBS); Sherbrook Valley 10/8/1986 (DWE); Sandwell Valley 10/8/1976 onwards (MGB); Brocton 3/8/1983 (EcB)

Sub-order : *CYCLORRHAPHA* - Series : *SCHIZOPHORA*

Section : *ACALYPTRATAE*

36. *TEPHRITIDAE*

Small flies with mottled or pictured wings. The larvae develop in various plants with a large minority causing galls. The shape, size and location of the gall together with species of plant is diagnostic of the species of tephritid that caused it. The remaining species are either leaf-miners or non gall-causers. The larvae of nearly all the species feed on the Compositae. The nomenclature follows White (1988). [31/73]

MYOPITINAE

UROPHORA

Subgenus *UROPHORA*

cardui Linnaeus : Sandwell Valley July 1976 onwards (MGB); Coombes Valley (MW); Alvecote September 1983, Kinver Old Marina 1988-90 on Creeping Thistle (MR)

jaceana Hering : [Burnt Wood 2/7/1935 (HB)]; Keele University 23/7/1985, Trent Vale 9/7/1986 (DWE); Coombes Valley 1990 (MW)

[*solstitialis* Linnaeus] : Burton (EB); Alton 1905 (CB); Burnt Wood 2/7/1935 (HB). *U. jaceana* was not separated from this species until 1935 so these records are pending confirmation.

RDB3

stylata Fabricius : Sandwell Valley 5/7/1976 onwards (MGB); Kinver Old Marina on Spear Thistle 1988-90 (MR)

TRYPETINAE

EUPHRANTINI

EUPHRANTA

Subgenus *RHACOCOLAENA*

toxoneura Loew : Dimmingsdale 30/6/1955 (JE); Sandwell Valley 27/5/1980 (MGB); Jackson's Coppice 23/5/1990 (DWE). **Notable**

TRYPETINI

ACIDIA

cognata Wiedemann : Alton 16/8/1934 (HB); Dimmingsdale August 1951 and 1954, Trentham 27/6/1955 (JE); Sandwell Valley 17/8/1983 onwards (MGB); Pooley Fields 18/9/1985, Belgrave Lakes 22/9/1985, Hockley 20/10/1985, Hodge Lane 27/10/1985; mines in Coltsfoot and Winter Heliotrope (G&MAA); Coombes Valley 18/6/1991 (MW)

ANOMOIA

purmunda Harris : Sandwell Valley 6/8/1980 onwards (MGB). 'Barberry-seed Fly'

CRYPTACIURA

rotundriventris Fallén : mining Hogweed Sandwell Valley 27/7/1991 (JR). **Notable**

EULEIA

heracleii Linnaeus : Burton (EB); Hawksmoor 14/6/1933, Manifold Valley 18/6/1938 (HB); Madeley 9/9/1937 (HWD); Dimmingsdale 6/7/1948, Newcastle 1952-55, Ipstones 5/6/1954 (JE); Keele University 5/6/1954 (KGVs); Sandwell Valley 28/6/1981 onwards (MGB). 'Celery Fly', mines certain umbellifers.

MYOLEJA

Subgenus MYOLEJA

caesio Harris : Dimmingsdale 6/8/1951, 22/8/1951 (JE); Copmere 2/8/1985 (DWE); Sandwell Valley 8/7/1981 (MGB)

RHAGOLETIS

alternata Fallén : emerged from rose hips Madeley 16/6/1938 (HWD). 'Rose-hip Fly'

TRYPETA

Subgenus TRYPETA

artemisiae Fabricius : Burton (EB); Amington, Borrowpit Lakes, Dosthill, Pretty Pigs Pool, Hodge Lane 1985-86. Mines Mugwort (G&MAA)

cornuta Scopoli : Burton (EB). **RDB3**

immaculata Macquart : Mining a hawkweed Pooley Fields July 1987 (G&MAA)

zoe Meigen : Colwich (CJW); Oakamoor 24/5/1952, Dimmingsdale 3/6/1959 (JE); Amington 27/10/1985, Borrowpit Lakes 24/8/1986, Dosthill Hall 6/10/1985. Mines Mugwort (G&MAA); Sandwell Valley 15/8/1991 (MGB)

TEPHRITINAE

TERELLIINI

CERAJOCERA

tussilaginis Fabricius : Sandwell Valley June 1984 (MGB); Loynton Moss on burdock 2/8/1986 (DWE); Kinver on burdock 1988-90 (MR)

CHAETOSTOMELLA

cylindrica Robineau-Desvoidy : Swythamley and Oakamoor on Marsh Thistle 17/6/1945 (HB); Coombes Valley 15/7/1989 (MW); Burnt Wood 18/8/1990 (DWE)

TERELLIA

ruficauda Fabricius : Bishops Wood 12/7/1954 (JE); Sandwell Valley 24/7/1983 (MGB); Kinver on Creeping Thistle September 1988 (MR)

serratulae Linnaeus : Burton (EB); Sandwell Valley 1/9/1989 (MGB)

DITHRYCINI

DITHRYCA

guttularis Meigen : Burton (EB); Madeley 16/8/1935 (HWD)

TEPHRITINI

OXYNA

parietina Linnaeus : Burton (EB); Sandwell Valley June 1982 (MGB)

PAROXYNA

absinthii Fabricius : Sandwell Valley June 1989 onwards (MGB) **Notable**

misella Loew : Sandwell Valley 20/10/1984 onwards (MGB).

TEPHRITIS

bardanae Schrank : Needwood Forest 8/7/1956 (JE); Kinver on Lesser Burdock 1988-90 (MR);
Sandwell Valley 24/6/1990 (MGB)

conura Loew : Swythamley 17/6/1945 (HB)

leontodontis Degeer : Burton (EB)

ruralis (Lw) : Burnt Wood 10/1/1940 (HWD)

vespertina Loew : Madeley 2/4/1946 (HB); Sandwell Valley 13/4/1973 onwards (MGB)

TRUPANEA

stellata Fuessly : Burton (EB)

XYPHOSIA

Subgenus XYPHOSIA

miliaria Schrank : Madeley 8/7/1935 (HB); Dimmingsdale, Bishops Wood, Needwood Forest (JE); Shareshill 10/7/1953 (KGVs); Alimore Green, Keele University, Westport Lake (DWE); Sandwell Valley (MGB); Kinver Old Marina on Creeping Thistle 1988-90 (MR)

37. PLATYSTOMATIDAE

Small flies with a swollen lower part of the head and pictured wings. They are generally to be found in shady or damp places and the eggs are laid in plant tissue. [1/2]

PLATYSTOMA

seminationis Linnaeus : Burton (EB); Dimmingsdale 20/5/1948 (JE)

38. OTITIDAE

Small to medium flies characterised by pictured wings, a pointed or angular third antennal segment and with grooves on the face to receive the antennae. They are fairly common on vegetation bordering ponds and streams. [8/17]

ULIDIINAE

PHYSIPHORA

demandata Fabricius : Sandwell Valley 18/8/1983 onwards (MGB); Hatherton 21/8/1983 (NW)

OTITINAE

SEIOPTERA

vibrans Linnaeus : Burton (EB); Belmont Pool 14/6/1953, 23/7/1956 (JE); Sandwell Valley 29/6/1981 (MGB)

HERINA

frondescens Linnaeus : Burnt Wood 21/6/1949, Bishops Wood 28/6/1951, 12/7/1954 (JE)
germinationis Rossi : Sandwell Valley on knapweed 31/7/1991 (MGB)
lugubris Meigen : Burton (EB). **Notable**

CEROXYS

urticae Linnaeus : Burton (EB); Sandwell Valley 4/8/1976 (MGB)

MELIERIA

crassipennis Fabricius : Sandwell Valley 2/8/1980 (MGB); Belvide Reservoir 31/7/1988 (DWE). **Notable**

OTITES

guttata Meigen : Dovedale May 1983 (NTBS); Wettonmill 23/7/1985 (DWE)

39. MICROPEZIDAE (Stilt-legged Flies)

Small to medium-sized flies with slender bodies and long legs; hence their common name. They are usually to be found running over bushes or low vegetation bordering streams or in marshy areas. The adults are predatory on other insects whereas the larvae develop in rotting wood, vegetable matter and fruit. [4/9]

CALOBATINAE

CALOBATA

Subgenus COMPSOBATA

cibaria Linnaeus : Dimmingsdale 20/5/1948, 11/6/1951 (JE); Sandwell Valley 18/5/1980 onwards (MGB); Coombes Valley 22/6/1988 (MW)
commutata Czerny : Aqualate (NCC); Coombes Valley 24/6/1988 (MW)

Subgenus CALOBATA

petronella Linnaeus : Dimmingsdale July 1947-1951 (JE); Sandwell Valley 9/6/1980- (MGB); Trent Vale 29/6/1986; Oakamoor 18/6/1987, Loggerheads 6/6/1991 (DWE)
sellata Meigen : Manifold Valley 18/6/1936 (HB); Loynton Moss 10/7/1986 (DWE)

40. MEGAMERINIDAE

This sole member of the family is a medium-sized fly with a long thin abdomen. With its looks and habit of running over vegetation it bears a remarkable resemblance to an Ichneumon. [1/1]

MEGAMERINA

dolium Fabricius : Dimmingsdale 20/5/1948, 19/6/1957 (JE); Jackson's Coppice 2/8/1986, Loggerheads 3/8/1991 (DWE); Sandwell Valley 17/7/1979 (MGB); Sandon Hall 5/7/1991 (MCB). **Notable**

41. TANYPEZIDAE

No species recorded. [0/1]

42. PSILIDAE

Small to medium-sized flies of very varying shape and colour. They are characterised by a peculiar fold that crosses the base of the wing. The larvae are stem and root dwellers and so some, *Psila rosae* for example, are agricultural pests. [14/26]

LOXOCERINAE

LOXOCERA

albiseta Schrank : Madeley 19/9/1936 (HB); Dimmingsdale 1948-51, Newcastle 8/9/1945 (JE); Burnt Wood 2/7/1946 (HWD); Maer Hills 8/9/1984, Copmere 6/9/1986 (DWE); Betley Mere September 1990 (JAL); Sandwell Valley 30/8/1976 onwards (MGB)
aristata Panzer : Burnt Wood 2/7/1945 (HWD); Goldsitch Moss 10/7/1956 (JE)
ichneumonea Linnaeus : Burton (EB); Madeley 21/6/1935 (HB)
sylvatica Meigen : Ipstones 5/6/1954 (JE). **Notable**

PSILA

Subgenus PSILA

fimataria Linnaeus : Burton (EB); Manifold Valley, Madeley (HB); Dimmingsdale, Coombes Valley, Goldsitch Moss, Ipstones (JE); Denford, Ecton, Loynton Moss (DWE); Sandwell Valley (MGB)
mardaria Collin : Coombes Valley 4/7/1988 (MW)
obscuritarsis Loew : Chartley Moss 23/7/1955 (JE); Sandwell Valley 14/6/1980 (MGB); Westport Lake 24/6/1987 (DWE)

Subgenus PSILOSOMA

lefebvrei Zetterstedt : Manifold Valley 14/7/1937, Dovedale 8/6/1938-39 (HB); Goldsitch Moss 26/7/1953 (JE); Sandwell Valley 22/4/1979 onwards (MGB)

Subgenus CHAMAEPSILA

atra Meigen : Alton (JCD); Coombes Valley 15/5/1991 (MW); Sandwell Valley 30/5/1991 (MGB)
nigra Fallén : Loggerheads 30/5/1991 (DWE)
nigromaculata Strobl : Coombes Valley 5/6/1991 (MW)
pallida Fallén : Burton (EB); Coombes Valley 29/6/1987 (MW)

rosae Fabricius : Sandwell Valley 24/5/1978 (MGB); Coombes Valley 18/8/1990 (CWP).
'Carrot Fly'

CHYLIZA

Subgenus CHYLIZA

scutellata Fabricius : Sandwell Valley 3/6/1987 onwards (MGB)

43. HELCOMYZIDAE

No species recorded. [0/2]

44. DRYOMYZIDAE

Small to medium-sized flies living in damp or marshy areas. The wings are very large, overlapping the abdomen when folded and occasionally mottled. The adults are particularly attracted to rotting fungi, dung, etc. [2/2]

DRYOMYZA

analis Fallén : Cannock Chase 4/8/1890 (RCB); Manifold Valley 18/6/1938 (HB);
Dimmingsdale, Alton (JE); Tettenhall 1954 (KGVs); Copmere, Keele University,
Loynton Moss (DWE); Sandwell Valley (MGB); Coombes Valley (MW)

flaveola Fabricius : Burton (EB); Madeley 2/6/1938 (HB); Dimmingsdale 3/10/1950 (JE);
Sandwell Valley 23/10/1977 (MGB); Wetton 1984 (NTBS)

flaveola v. *zawalskii* Schummel : Tettenhall 5/10/1954 (KGVs)

45. CHAMAEMYIIDAE

No species recorded. [0/25]

46. LAUXANIIDAE

Small flies varying in colour from bright yellow to purplish-black. The adults are usually found in very shady areas and can often be picked out by their rather slow and creeping gait. The wings vary from being clear to tinged with orangey-yellow or pictured. The larvae are said to live in decaying vegetation. [23/45]

MINETTIA

Subgenus FRENDELIA

longipennis Fabricius : Sandwell Valley 24/6/1978 (MGB)

Subgenus MINETTIA

inusta Meigen : Burton (EB); Madeley 28/6/1936 (HB); Dimmingsdale 1949-54, Newcastle
6/7/1951 (JE); Wolverhampton July 1977 (KGVs); Keele University 27/8/1987,

Loggerheads 20/7/1991 (DWE); Sandwell Valley 9/9/1979 (MGB); Churnet Woods, Coombes Valley (MW); Sandon Hall 5/7/1991 (MCB)
lupulina Fabricius : Hawksmoor 28/7/1950, Bishops Wood 28/6/1951, Dimmingsdale 1950-1951 (JE); Sandwell Valley 22/7/1979 (MGB)
plumicornis Fallén : Ipstones 5/6/1954 (JE)
rivosa Meigen : Sandwell Valley 12/7/1978 (MGB)

SAPROMYZA

Subgenus SAPROMYZOSOMA

quadrupunctata Linnaeus : Sandwell Valley 8/7/1991 (MGB)

Subgenus SAPROMYZA

albiceps Fallén : Sandwell Valley 23/10/1977 (MGB). **Notable**
obsoleta Fallén : Burton (EB); Madeley 26/6/1935; Maer Hills 11/7/1936, Manifold Valley 9/7/1951 (HB). **Notable**
sordida Haliday : "common" Madeley 26/6/1935 (HB); Dimmingsdale 8/7/1951 (JE); Sandwell Valley September 1979 (MGB)

PEPLOMYZA

litura Meigen : Dimmingsdale 5/10/1950 (JE); Sandwell Valley 23/7/1981 (MGB); Churnet Woods (MW); Coombes Valley 18/8/1990 (CWP); Sandon Hall 5/7/1991 (MCB)

AULOGASTROMYIA

anisodactyla Loew : Sandwell Valley 12/9/1981 onwards (MGB) **Notable**

LYCIELLA

affinis Zetterstedt : Loynton Moss 17/5/1987 (DWE)
decempunctata Fallén : Newcastle 9/8/1953, 28/6/1947 (JE); Wolverhampton July 1977 (KGVS); Sandwell Valley June 1990 (MGB); Coombes Valley 7/7/1988 (MW)
decipiens Loew : Sandwell Valley 11/9/1979 (MGB); Coombes Valley (MW)
laeta Zetterstedt : Coombes Valley 21/6/1991 (MW). **RDB3**
[*pallidiventris* Fallén] : Sandwell Valley 8/6/1980 (MGB); Keele University 1987 (DWE); Alton (JCD); Coombes Valley 18/8/1990 (CWP). This species has recently been split so all specimens will require checking.
rorida Fallén : Madeley 6/7/1936, Oakamoor 31/7/1945 (HB); Dimmingsdale 1949 (JE); Keele University, Loynton Moss, Westport Lake (DWE); Sandwell Valley (MGB); Betley Mere (JAL); Churnet Woods, Coombes Valley (MW)
subfasciata Zetterstedt : Sandwell Valley 11/9/1979 (MGB)

TRICHOLAUXANIA

praeusta Fallén : Madeley 6/7/1936, Oakamoor 31/7/1945 (HB); Ipstones 5/6/1954 (JE); Keele University 1987 (DWE); Sandwell Valley (MGB); Coombes Valley (MW)

CALLIOPUM

aeneum Fallén : Burton (EB); Dimmingsdale 1949-52, Coombes Valley 22/7/1952, Whitmore Common 23/6/1952 (JE); Sandwell Valley 17/9/1977 onwards (MGB)
elisae Meigen : Baldstones 21/7/1986 (DWE); Coombes Valley 20/6/1991 (MW). **Notable**
simillimum Collin : Dimmingsdale 17/9/1950-3/8/1952, Coombes Valley 22/7/1952 (JE); Sandwell Valley 2/10/1977 onwards (MGB); Coombes Valley 27/6/1987 (MW); Loggerheads 1/9/1991 (DWE)

LAUXANIA

cylindricornis Fabricius : Burton (EB); Coombes Valley (MW)

47. COELOPIDAE

No species recorded. [0/3]

48. HELEOMYZIDAE

Small to medium-sized flies varying in colour from yellow to brown or grey. They are characterised by a row of spines along the leading edge of the wing. Species of *Tephrochlamys* are often found in houses, especially during the winter months. The larvae are to be found in carrion, dung and various forms of decaying matter and in some there is an association with the nests and burrows of birds and small mammals. [29/57]

SUILLIINAE

SUILLIA (includes Allophyla)

atricornis Meigen (=Allophyla) : Dimmingsdale 14/5/1950-51 (JE); Sandwell Valley 13/11/1977 (MGB); Coombes Valley 18/8/1990 (CWP)

bicolor Zetterstedt : Dimmingsdale 24/9/1949-51 (JE); Tettenhall 1954 (KGVS); Sandwell Valley 15/10/1978 onwards (MGB); Coombes Valley 4/7/1987 (MW)

[*dumicola* Collin] : Coombes Valley 2/10/1990 (MW) **Notable**

flava Meigen : Burton (EB); Dimmingsdale 9/7/1951 (JE) no voucher specimen; Sandwell Valley 7/10/1979 (MGB)

fuscicornis Zetterstedt : Dimmingsdale 5/10/1950 (JE)

humilis Meigen : Dimmingsdale 3/10/1953 (JE); Sandwell Valley 5/10/1980 (MGB)

laevifrons Loew : Cannock Chase 2/8/1890 (RCB); Dimmingsdale 21/7/1946-52 (JE); Westport Lake 14/8/1987 (DWE); Churnet Woods (MW)

notata Meigen : Madeley 16/11/1936 (HB)

notata v. *hilaris* Zetterstedt : Sandwell Valley 21/10/1984 (MGB); Keele University 18/6/1985 (DWE); Alton (JCD)

pallida Fallén : Madeley 24/5/1937 (HB); Dimmingsdale 17/9/1950 (JE); Sandwell Valley 29/9/1979 (MGB)

ustulata Meigen : Sandwell Valley 20/3/1978 (MGB); Keele University 22/10/1985 (DWE)

variegata Loew : Madeley 16/11/1936; Coombes Valley 19/2/1939 (HB); Dimmingsdale 1951 (JE); Keele University 3/6/1987, Loynton Moss 26/7/1989 (DWE); Sandwell Valley 24/10/1978 onwards (MGB); Coombes Valley, Churnet Woods (MW)

HELEOMYZINAE

HETEROMYZA

commixta Collin : Dimmingsdale 21/4/1951 (JE). **Notable**

oculata Fallén : Sandwell Valley 24/8/1989 (MGB). **Notable**

rotundicornis Zetterstedt : Sandwell Valley reared (MGB); Coombes Valley 14/3/1987, Burnt Wood 9/12/1990 on snow, Copmere 16/2/1991 (DWE). **Notable**

TEPHROCHLAMYS

flavipes Zetterstedt : Coombes Valley 19/2/1939 (HB); Dimmingsdale 3/10/1953 (JE); Sandwell Valley 13/10/1978 (MGB)

rufiventris Meigen : Coombes Valley 19/2/1939 (HB); Keele University 12/3/1987 Loggerheads 17/11/1990 (DWE); Coombes Valley (MW)

rufiventris v. *canescens* Meigen : Newcastle 13/6/1949, Dimmingsdale 11/4/1951 (JE); Alton (JCD); Sandwell Valley 3/9/1979 (MGB)

tarsalis Zetterstedt : Dimmingsdale 20/11/1950 (JE); Sandwell Valley 5/11/1983 (MGB); Coombes Valley 25/3/1988 (MW)

NEOLERIA

inscripta Meigen : Sandwell Valley 27/4/1980 (MGB)

OECOTHEA

fenestralis Fallén : Sandwell Valley 21/6/1979 (MGB)

praecox Loew : rabbit holes Dimmingsdale 30/5/1984 (JCD) **Notable**

ECCOPTOMERA

microps Meigen : mole's nest Onecote 28/3/1938 (HB); Coombes Valley 22/7/1987 (MW)

MORPHOLERIA

ruficornis Meigen : Sandwell Valley 23/9/1979 (MGB)

SCOLIOCENTRA

caesia Meigen : Newcastle 12/2/1952 (JE); Sandwell Valley 12/10/1979 (MGB)

villosa Meigen : Coombes Valley 15/6/1987 (MW)

HELEOMYZA

affinis Meigen : Dimmingsdale 31/10/1950 (JE). No voucher specimen.

brachypterna Loew : Dimmingsdale 21/4/1951 (JE). No voucher specimen.

dupliciseta Strobl : Saunt in (JEC)

modesta s. *czernyi* Collart : Coombes Valley 29/3/1988 (MW)

serrata Linnaeus : Burton (EB); Dimmingsdale 1950-53, Newcastle 3/5/1951 (JE); Trent Vale 22/3/1987, Jackson's Coppice 29/6/1991 (DWE); Sandwell Valley 15/3/1981 (MGB); Coombes Valley (MW)

49. CHYROMYIDAE

No species recorded. [0/6]

50. SEPSIDAE

Small shining black flies with a superficial resemblance to winged ants. When walking they have a characteristic habit of waving their wings above their heads. They have large, rounded heads with big eyes and the males have various modifications to their front legs. The larvae develop in carrion and decaying matter generally, but most frequently in dung. One species,

Sepsis fulgens, is worthy of note for it can occur in vast swarms covering several square metres of vegetation. The reason for this swarming is unknown for no mating or pairing has been seen even though the swarms may persist for several weeks or even months. I have encountered two such swarms at Burnt Wood. The nomenclature follows Pont (1979). [12/26]

NEMOPODA

nitidula Fallén : Madeley 17/8/1936 (HB); Dimmingsdale, Ipstones (JE); Manifold Valley, Trent Vale, Westport Lake (DWE); Sandwell Valley 1/6/1979 (MGB); Coombes Valley (MW)

SALTELLA

sphondylia Schrank : Madeley 18/5/1936 (HB)

SEPSIS

cynipsea Linnaeus : Madeley 18/5/1936 (HB); widespread and very common (DWE)

duplicata Meigen : Madeley 3/7/1936 (HB); Coombes Valley (MW)

flavimana Meigen : Copmere 2/8/1985, Alton 14/8/1988 (DWE); Coombes Valley (MW)

fulgens Meigen : Madeley 2/4/1946 (HB); Dimmingsdale (JE); Beadesert, Burnt Wood, Copmere, Keele University, Trent Vale (DWE); Sandwell Valley 17/2/1980 (MGB); Coombes Valley (MW); Clayton (CWP); Bickford Meadows (NW); Sandon Hall (MCB)

orthocnemis Frey : Dimmingsdale 29/5/1950, Whitmore Common 10/4/1953 (JE); Sandwell Valley 9/9/1979 (MGB)

punctum Fabricius : Madeley 18/5/1936, Burnt Wood 25/2/1940 (HB); Dimmingsdale 21/4/1951 (JE); Coombes Valley 1990 (MW)

violacea Meigen : Madeley 21/6/1935 (HB); Keele University (DWE); Sandwell Valley 29/9/1979 (MGB); Coombes Valley (MW)

THEMIRA

annulipes Meigen : Loynton Moss 8/6/1986; Trent Vale 22/6/1986 (DWE)

lucida Staeger : Dimmingsdale July 1947 (JE); Sandwell Valley 4/7/1989 (MGB)

superba Haliday : Coombes Valley 21/7/1952 (JE)

51. SCIOMYZIDAE (Snail-eating Flies)

Small to medium-sized yellowish-brown to brown flies living in damp or marshy areas. The head is large with the antennae often being held out from the head and with the second segment sometimes enlarged. The wings may be clear, with a few blotches or heavily mottled. The adults have a rather characteristic slow, creeping gait. The larvae feed on snails and slugs; hence the common name. [32/66]

PHAEOMYIINAE

PELIDNOPTERA

fuscipennis Meigen : Dimmingsdale 8/6/1954, 19/7/1954 (JE); Ilam Park 1984 (NTBS); Denford 7/7/1986 (DWE). **RDB3**

SCIOMYZINAE

SCIOMYZINI

PHORBELLIA

albocostata Fallén : Burton (EB); Manifold Valley 18/6/1938 (HB); Dimmingsdale 25/6/1952 (JE); Sandwell Valley 4/6/1978 (MGB)

argyra Verbeke : Burton (EB). **RDB2**

brunnipes Meigen : Sandwell Valley 16/9/1990 (MGB) **Notable**

cinerella Fallén : Burton (EB)

dubia Fallén : Sandwell Valley 29/5/1980 (MGB); Alton (JCD)

griseola Fallén : Dimmingsdale 23/10/1953 (JE). No voucher. **RDB3**

scutellaris von Roser : Sandwell Valley 21/10/1979 (MGB); Alton 23/8/1982 (JCD)

PTEROMICRA

angustipennis Staeger : Keele University 22/8/1987 (DWE); Alton (JCD); Sandwell Valley 16/8/1990 (MGB). **Notable**

TETANOCERINI

COREMACERA

tristis Harris : Burton (EB); Sandwell Valley 14/7/1990 (MGB)

ECTINOCERA

borealis Zetterstedt : Dimmingsdale 25/5/89 (JCD). **RDB3**

ELGIVA

cucularia Linnaeus : Burton (EB); Madeley 1935-1936 (HB); Sandwell Valley 1/5/1980 (MGB)

sundewalli Kloet & Hinks : "common" Madeley 3/7/1935-1936 (HB); Sandwell Valley 4/6/1979 (MGB)

EUTHYCERA

fumigata Scopoli : Burton (EB); Manifold Valley 18/6/1938, Dovedale 18/6/1938 (HB); Copmere 9/8/1985, Denford 7/7/1986, Loynton Moss 6/7/1985, Loggerheads 7/8/1989 (DWE). **Notable**

HYDROMYA

dorsalis Fabricius : Sandwell Valley 15/7/1981 (MGB); Rudyard Lake 10/8/1985 (DWE)

KNUTSONIA

albiseta Scopoli : Sandwell Valley 12/7/1979 (MGB); Blithfield Reservoir 1986, Stanley Pool 27/8/1987 (DWE)

LIMNIA

paludicola Elberg : Copmere 30/6/1985, Loynton Moss 10/8/1986, Jackson's Coppice 29/6/1991 (DWE)

unguicornis Scopoli : Sandwell Valley 18/6/1989 (MGB)

PHORBINA

coryleti Scopoli : Dimmingsdale 17/7/1950 (JE); Denford 7/7/1986 (DWE)

PSACADINA

verbekei Rozkosny : Jackson's Coppice 24/5/1987 (DWE). **Notable**

RENOCERA

fuscinervis Zetterstedt : Coombes Valley 29/6/1989 (MW)

pallida Fallén : Dimmingsdale 13/5/1952 (JE); Jackson's Coppice 24/5/1987 (DWE); Sandwell Valley 8/6/1979 (MGB)

striata Meigen : "not uncommon" Madeley 17/5/1936 (HB) **Notable**

SEPEDON

spinipes Scopoli : Burnt Wood 17/4/1987 (DWE)

TETANOCERA

arrogans Meigen : Consall 14/6/1986, Jackson's Coppice 1987 (DWE)

elata Fabricius : Cannock Chase 5/8/1890 (RCB); Dimmingsdale 17/7/1951 (JE); Deep Hayes, Denford, Keele University, Sherbrook Valley (DWE); Sandwell Valley 5/7/1980 (MGB); Coombes Valley (MW)

ferruginea Fallén : Burton (EB); Oakamoor 31/7/1945 (HB); Sandwell Valley 22/9/1979 (MGB)

hyalipennis von Roser : Sandwell Valley 27/6/1979 (MGB); Blithfield Reservoir, Keele University, Loynton Moss (DWE); Sandwell Valley (MGB); Coombes Valley (MW)

phyllophora Melander : Loynton Moss 16/8/1986 (DWE). **Notable**

robusta Loew : Burton (EB); Needwood Forest 8/7/1956 (JE); Loynton Moss 26/7/1987 (DWE); Sandwell Valley 8/8/1976 (MGB)

sylvatica Meigen : Jackson's Coppice 24/5/1987, Loynton Moss 31/8/1987 (DWE)

TRYPETOPTERA

punctulata Scopoli : Burton (EB); Sandwell Valley 14/6/1981 (MGB)

52. SPHAEROCERIDAE (Lesser Dung Flies)

Whilst we are all familiar with the large yellow dung flies that congregate around cow pats, a closer look will reveal large numbers of small black or brownish flies; the Sphaerocerids. Their main characteristic is an enlarged basal segment of the hind tarsus. The larvae are universal dung feeders with some species having a preference for the nests and burrows of birds and small mammals and others for decaying matter generally. The Edwards specimens no longer exist. The nomenclature follows Pitkin (1988). [44/114]

COPROMYZINAE

BORBORILLUS

sordidus Zetterstedt : Sandwell Valley 20/9/1990 (MGB)

uncinatus Duda : Coombes Valley 10/2/1989 (MW)

vitripennis Meigen : Madeley 22/2/1936 (HB); Dimmingsdale 18/4/1948 (JE)

COPROMYZA

equina Fallén : Burton (EB); Dimmingsdale 3/10/1948, Newcastle 18/5/1950 (JE); Coombes Valley 2/10/1988 (DWE); Sandwell Valley 25/8/1990 (MGB)

similis Collin : abundant Madeley 22/3/1936 (HB); Newcastle 3/3/1951 (JE); Coombes Valley 14/3/1987, Trent Vale 12/3/1988 (DWE); Sandwell Valley 14/4/1989 (MGB)
stercoraria Meigen : Madeley 22/3/1936 (HB); Coombes Valley 14/3/1987, Trent Vale 7/1/1989 (DWE)

CRUMOMYIA

fimataria Meigen : Dimmingsdale 19/9/1951 (JE); Alton (JCD); Coombes Valley 20/7/1987 (MW); Sandwell Valley 8/4/1989 (MGB)
nigra Meigen : Dimmingsdale 2/5/1948-50, Newcastle 2/12/1950 (JE); Alton (JCD)
nitida Meigen : Burton (EB); Coombes Valley 5/4/1987 (MW); Sandwell Valley 26/10/1989 (MGB)
*roserii*Rondani : Dimmingsdale 10/10/1948-51 (JE); Alton (JCD); Tettenhall 1954 (KGVS); Coombes Valley 20/2/1988 (MW)

LOTOPHILA

atra Meigen : common Madeley 24/2/1936 (HB); Dimmingsdale 1948-49 (JE); Loynton Moss 29/3/1987 Loggerheads 12/11/1990 (DWE); Sandwell Valley 14/4/1979 (MGB); Coombes Valley (MW)

SPHAEROCERINAE

ISCHIOLEPTA

denticulata Meigen : Coombes Valley 5/4/1987 (MW); Sandwell Valley 23/8/1990 (MGB)
pusilla Fallén : Coombes Valley (MW); Sandwell Valley 15/7/1988 (MGB)

LOTOBIA

pallidiventris Meigen : Sandwell Valley 15/8/1990 (MGB)

SPHAEROCERA

curvipes Latreille : Burton (EB); Dimmingsdale 18/4/1989 (JE); Sandwell Valley 18/3/1989 (MGB)
monilis Haliday : Coombes Valley (MW); Sandwell Valley 12/7/1988 (MGB)

LIMOSININAE

APTEROMYIA

claviventris Strobl : (Pitkin, 1988)

COPROICA

acutangula Zetterstedt : Sandwell Valley 20/8/1990 (MGB)
ferruginata Stenhammar : Sandwell Valley 18/3/1989 (MGB)
lugubris Haliday : Sandwell Valley 20/8/1990 (MGB)
vagans Haliday : Sandwell Valley 18/9/1990 (MGB)

CHAETOPODELLA

scutellaris Haliday : Loynton Moss 29/3/1987 (DWE); Alton (JCD); Coombes Valley 29/3/1988 (MW); Sandwell Valley 23/8/1990 (MGB)

ELACHISOMA

aterrimum Haliday : (Pitkin, 1988)

HALIDAYINA

spinipennis Haliday : Sandwell Valley 21/1/1991 (MGB)

HERNIOSINA

bequaerti Villeneuve : rabbit hole Alton 30/5/1984 (JCD)

LEPTOCERA

Subgenus LEPTOCERA

caenosa Rondani : Sandwell Valley 6/7/1987 (MGB)

fontinalis Fallén : Sandwell Valley 27/3/1989 (MGB); Coombes Valley (MW)

Subgenus RACHISPODA

lutosa Stenhammar : Sandwell Valley 16/9/1990 (MGB)

LIMOSINA

silvatica Meigen : Burton (EB); Madeley 7/7/1935 (HB); Dimmingsdale 10/10/1948 (JE);
Coombes Valley 5/4/1987 (MW)

MINILIMOSINA

Subgenus MINILIMOSINA

fungicola Haliday : Burton (EB)

Subgenus SVARCIELLA

vitripennis Zetterstedt : Alton May 1984, Dimmingsdale 21/8/1982 (JCD)

OPACIFRONS

coxata Stenhammar : (Pitkin, 1988); Sandwell Valley 16/9/1990 (MGB)

humida Haliday : Dimmingsdale 30/10/1948 (JE); Churnet Woods, Coombes Valley (MW);
Sandwell Valley 16/10/1987 (MGB)

OPALIMOSINA

Subgenus PAPPIELLA

liliputana Rondani : Coombes Valley 17/9/1990 (MW)

PTEREMIS

fenestralis Fallén : Newcastle 15/1/1949 (JE); Coombes Valley 1990 (MW)

PULLIMOSINA

Subgenus PULLIMOSINA

moesta Villeneuve : (Pitkin, 1988); Sandwell Valley 7/7/1988 (MGB)

pullula Zetterstedt : Coombes Valley 1990 (MW)

PUNCTICORPUS

cribratum Villeneuve : Dimmingsdale 25/10/1985 (JCD)

SPELOBIA

Subgenus EULIMOSINA

ochripes Meigen : Burton (EB); Sandwell Valley 20/7/1988 (MGB)

Subgenus SPELOBIA

clunipes Meigen : Madeley 21/2/1937 (HB); Coombes Valley 1990 (MW)

palmata Richards : Madeley 21/2/1937 (HB); Coombes Valley 1990 (MW)

parapusio Dahl : Alton (JCD); Tettenhall 1954 (KGVs); Coombes Valley 17/9/1990 (MW)

TELOMERINA

pseudoleucoptera Duda : Sandwell Valley 14/9/1990 (MGB)

TERRILIMOSINA

schmitzi Duda : (Pitkin, 1988)

53. PALLOPTERIDAE

Small flies with long, pictured wings that overlap the abdomen when folded. They are usually found by sweeping vegetation in woodland or by water. [6/10]

PALLOPTERA

arcuata Fabricius : Burton (EB); Manifold Valley 14/7/1937 (HB); Wetton Mill 14/6/1985 (DWE); Sandwell Valley July and August 1989 (MGB); Coombes Valley (MW)

muliebris Harris : Madeley 8/9/1937 (HB); Keele University 4/12/1986 (DWE); Sandwell Valley 18/8/1983 (MGB)

saltuum Linnaeus : Burton (EB); Manifold Valley 14/7/1937, Oakamoor 17/6/1945 (HB); Swinscoe 14/6/1950, Dimmingsdale 15/8/1953, Ipstones 24/7/1954 (JE); Trent Vale 29/6/1986 (DWE); Sandwell Valley May to August 1983 (MGB); Churnet Valley, Coombes Valley (MW)

trimacula Meigen : Manifold Valley 18/6/1938 (HB); Sandwell Valley July 1983 (MGB); Betley Mere 24/8/1990 (JAL); Coombes Valley 18/8/1990 (CWP)

umbellatarum Fabricius : Burton (EB); Madeley 16/5/1936-1939 (HB); Newcastle 12/6/1952 (JE); Keele University 27/8/1987, Loggerheads 10/7/1989 (DWE); Sandwell Valley 24/7/1990 (MGB); Sandon Hall 5/7/1991 (MCB)

ustulata Harris : Burton (EB); Wolverhampton July 1977 (KGVs); Copmere 29/8/1987 (DWE); Sandwell Valley August-September 1989 (MGB)

54. LONCHAEIDAE

Small, shining metallic black or bluish-black flies with clear wings, the females of which have a long, rigid ovipositor like that of a tephritid. The larvae are said to cause plant galls, but they have also been found under bark and in dung. [12/29]

DASIOPS

spatiosus Becker : Sandwell Valley 6/10/1991 (MGB)

EAROMYIA

virilis Collin : Sandon Hall 24/5/1991 (MCB)

LONCHAEA

chorea Fabricius : Burton (EB); Dimmingsdale 14/9/1950-52, Newcastle 4/9/1950 (JE); Sandwell Valley June 1986 (MGB)

flavidipennis Zetterstedt (= *limatula* Collin) : Sandon Hall 24/5/1991 (MCB)

fumosa Egger (= *flavidipennis* auctt., nec Zetterstedt): Newcastle 17/6/1951 (JE); Sandwell Valley June 1985 (MGB); Keele University 27/7/1987, Loggerheads 12/9/1990, Jackson's Coppice 29/6/1991 (DWE)

hirticeps Zetterstedt : Sandwell Valley 3/5/1985 (MGB) **Notable**

laticornis Meigen : Dimmingsdale 17/7/1951 (JE); Sandon Hall 5/7/1991 (MCB)

luticornis Meigen : Sandwell Valley bred from Black Poplar 1989 (MGB)

palposa Zetterstedt : Sandwell Valley 15/8/1991 (MGB)

patens Collin : Sandwell Valley June 1989 (MGB)

scutellaris Rondani : Sandwell Valley 10/5/1985 (MGB); Jackson's Coppice 29/6/1991 (DWE)

sylvatica Beling : Dimmingsdale 27/8/1951 (JE); Sandwell Valley June 1985 (MGB)

55. NEOTTIOPHILIDAE (Nest-flies)

A family of two species. The one below resembles a Dryomyzid or certain Heleomyzids. It is a shining reddish-yellow fly with clouding around the cross-veins and a row of spines along the leading edge. The larvae live in the nests of birds where they are said to feed on the blood of the nestlings. [1/2]

NEOTTIOPHILUM

praeustum Meigen : Sandon Hall 24/5/1991 (MCB)

56. PIOPHILIDAE

Small, shining black flies whose larvae are to be found most often in carrion. Certain species are pests of stored animal products. [5/11]

PIOPHILIA

Subgenus PIOPHILA

caesi Linnaeus : Burton (EB). 'Cheese Skipper'.

Subgenus STEARIBIA

foveolata Meigen : Sandwell Valley 19/5/1991 (MGB)

Subgenus LIOPIOPHILA

varipes Meigen : Sandwell Valley 16/7/1988(MGB)

Subgenus ALLOPIOPHILA

luteata Haliday : Sandwell Valley 26/7/1987 (MGB); Sandon Hall 5/7/1991 (MCB)

vulgaris Fallén : Trent Vale 28/6/1986 (DWE); Sandwell Valley 16/7/1988 (MGB)

57. OPOMYZIDAE

Small flies with clouded, long, narrow wings. The larvae develop in the stems of grasses and cereals and can become agricultural pests. [4/14]

GEOMYZA

balachowskyi Mesnil : Burton (EB); Madeley 26/6/1935 (HB); Newcastle 4/9/1950, Alton 17/7/1954 (JE); Sandwell Valley 11/9/1980 (MGB); Deep Hayes 22/6/1986 (DWE)

tripunctata Fallén : Warslow 28/3/1938 (HB); Dimmingsdale 6/10/1951 (JE); Sandwell Valley 15/4/1980 (MGB). 'Grass and Cereal Fly'

OPOMYZA

florum Fabricius : Burton (EB); Copmere, Jackson's Coppice, Loynton Moss, Keele University 1987 (DWE); Coombes Valley 18/8/1990 (CWP). 'Yellow Cereal Fly'

germinationis Linnaeus : Madeley 15/5/1936 (HWD); Dimmingsdale September 1950, Newcastle July 1952 (JE); Tettenhall 1954 (KGVS); Betley Mere 24/8/1990 (JAL); Trent Vale 2/9/1984 (DWE); Churnet Woods, Coombes Valley (MW); Sandwell Valley 9/6/1980 onwards (MGB). 'Dusky-winged Cereal Fly'

58. CLUSIIDAE

Small to very small dark-coloured flies found in the vicinity of rotting timber. [4/10]

CLUSIA

flava Meigen : Dimmingsdale 2/7/1951 (JE); Coombes Valley 24/6/1988 (DWE); Sandwell Valley 10/9/1984 onwards (MGB)

PARACLUSIA

tigrina Fallén : Sandwell Valley 3/9/1983 (MGB). **RDB2**

CLUSIODES

Subgenus CLUSIODES

albimana Meigen : Sandwell Valley 11/10/1984 onwards (MGB); Keele University 13/7/1988 (DWE)

gentilis Collin : Whitmore Common 3/6/1952 (JE); Sandwell Valley 20/7/1984 onwards (MGB)

59. ODINIIDAE

Small greyish-black flies attracted to exudations from wounds on trees. The larvae are to be found in fungi. [1/6]

ODINIA

boletina Zetterstedt : Sandwell Valley 2/9/1991 (MGB)

60. CARNIIDAE

The species below are minute flies, 1mm - 2mm long, that are attracted to various decomposing substances. [2/13]

MEONURA

neottiophilla Collin : Sandwell Valley 11/8/1991 (MGB)

vagans Fallén : Alton (JCD)

61. ACARTOPHTHALMIDAE

Very small blackish flies found near rotting timber or fungi. [1/2]

ACARTOPHTHALMUS

bicolor Oldenberg : Alton 25/5/1989 (JCD). **RDB3**

62. PERISCELIDIDAE

No species recorded. [0/4]

63. AULACIGASTRIDAE

Very small, shining brown species 2mm to 3mm long, the larvae of which are said to develop in decomposing sap exuding from wounds on trees. [1/2]

AULACIGASTER

leucopeza Meigen : Sandwell Valley 6/10/1991 (MGB)

64. ANTHOMYZIDAE

Very small to small flies with long, slender wings. They are to be found amongst grasses and other vegetation in marshy places. [4/15]

ANTHOMYZA

cingulata Haliday : Sandwell Valley 7/7/1988 (MGB)

gracilis Fallén : Sandwell Valley 7/7/1988 (MGB)

macra Czerny : Sandwell Valley 10/8/1988 (MGB). A new British species.

PARANTHOMYZA

[*nitida* Meigen] : Dimmingsdale 6/8/1951 (JE)

65. ASTEIIDAE

Very small to small flies with a characteristic wing venation. [3/6]

ASTEIA

amoena Meigen : Alton 25/10/1982 (JCD)

LEIOMYZA

laevigata Meigen : Sandwell Valley 29/8/1991 (MGB)

scatophagina Fallén : Dimmingsdale 19/9/1951 (JE); Tettenhall 1954 (KGVs)

66. CAMILLIDAE

Very small shining black flies related to Drosophilids. [1/5]

CAMILLA

glabrata Fallén : rabbit holes Dimmingsdale 30/5/1984 (JCD)

67. EPHYDRIDAE (Shore-flies)

Very small to small species found near water and in marshy places, hence their common name. They have a characteristic wing venation and large mouth opening which makes them look rather frog-like. The adults, which can be found throughout the year, have a variety of habits. Some predate other insects whilst others feed on decaying matter, including dung. The larvae live on a range of decomposing substances including dung and decomposing flesh, yet others are aquatic, feeding on aquatic plants. Because of the lack of identification literature (in English) this is a neglected group. The Edwards specimens no longer exist. [21/128+]

PSILOPINAE

DISCOCERININI

DISCOCERINA

obscurilla Fallén : Sandwell Valley 16/9/1990 (MGB)

PSILOPINI

PSILOPA

leucostoma Meigen : Burton (EB)

NOTIPHILINAE

NOTIPHILINI

NOTIPHILA

Subgenus NOTIPHILA

cinerea Fallén : Burton (EB)

dorsata Stenhammar : "common" Madeley 3/7/1935 (HB); Dimmingsdale 8/7/1952 (JE)

nigricornis Stenhammar : Trentham Park 28/6/1955 (JE)

HYDRELLIINI

HYDRELLIA

cochleariae Haliday : Dimmingsdale 19/9/1951 (JE)

griseola Fallén : Dimmingsdale 20/5/1948-51 (JE)

nasturtii Collin : Dimmingsdale 17/7/1951 (JE)

obscura Meigen : Dimmingsdale 31/10/1948 (JE)

PARYDRINAE

PARYDRINI

PARYDRA

coarctata Fallén : Sandwell Valley July and August (MGB)

littoralis Meigen : "common" Madeley 23/3/1936 (HWD); Dimmingsdale 17/7/1951 (JE);

Coombes Valley 20/4/1988 (MW); Sandwell Valley 18/10/1988 (MGB)

quadripunctata Meigen : Sandwell Valley 15/7/1988 (MGB)

HYADININI

HYADINA

humeralis Becker : Sandwell Valley 16/9/1990 (MGB)

EPHYDRINAE

EPHYDRINI

EPHYDRA

riparia Fallén : Burton (EB); Dimmingsdale 10/7/1949 (JE)

SCATELLINI

LIMNELLIA

fallax Czerny : Sandwell Valley 16/9/1990 (MGB)

quadrata Fallén : Dovedale 12/11/1936 (HWD)

stenhammari Zetterstedt : Dimmingsdale 9/4/1949-51 (JE)

SCATELLA

stagnalis Fallén : "common" Madeley 23/3/1936 (HB)

tenuicosta Collin : Sandwell Valley 3/7/1986 (MGB)

COENIA

palustris Fallén : "abundant" Madeley 21/3/1936 (HB)

PARACOENIA

fumosa Stenhammar : Dimmingsdale 9/9/1950 (JE)

68. DIASTATIDAE

Very small, brownish or greyish flies related to Drosophilids. [5/7]

CAMPICHOETA

basalis Meigen : Sandwell Valley 15/9/1985 (MGB)

obscuripennis Sandwell Valley 2/10/1987 (MGB)

DIASTATA

fuscula Fallén : Dimmingsdale 8/10/1952 (JE). No voucher specimen.

inornata Loew : Dimmingsdale 5/10/1951, 28/9/1953 (JE). No voucher specimen.

nebulosa Fallén : Madeley 22/2/1937 (HB)

69. DROSOPHILIDAE (Fruit-flies)

Very small to small flies attracted to fermenting substances such as rotting fruit. The adults have a slow, hovering flight and are often found in the house where they might be attracted to the rim of a glass that has had a sweet drink in it. Other species are attracted to rotting carrion or dung. [21/51]

STEGANINAE

STEGANINA

coleoptrata Scopoli : Madeley 11/7/1937 (HB). **Notable**

DROSOPHILINAE

CACOXENUS

indicator Loew : Dimmingsdale 28/5/1987 (JCD)

LEUCOPHENGA

maculata Dufour : Sandwell Valley 1/8/1991 (MGB)

SCAPTOMYZA

Subgenus PARASCAPTOMYZA

pallida Zetterstedt : Coombes Valley 28/4/1940 (HB) and 18/8/1990 (CWP); Sandwell Valley 12/9/1990 (MGB)

Subgenus SCAPTOMYZA

flava Fallén : Wilnecote 8/8/1985 (G&MAA); Keele University 22/9/1987 (DWE); Sandwell Valley July 1987 (MGB)

graminum Fallén : Sandwell Valley 16/7/1987 (MGB)

DROSOPHILA

Subgenus DROSOPHILA

cameraria Haliday : Sandwell Valley 18/10/1987 (MGB)

confusa Staeger : Tettenhall October 1954 (KGVs); Sandwell Valley 29/8/1991 (MGB)

funebria Fabricius : Madeley 23/3/1936 (HB); Newcastle 29/9/1951 (JE); Sandwell Valley common (MGB)

hydei Sturtevant : Sandwell Valley 8/8/1984 (MGB)

immigrans Sturtevant : Sandwell Valley 17/10/1982 (MGB)

phalerata Meigen : Dimmingsdale 20/10/1951, 15/7/1953 (JE); Tettenhall October 1954 (KGVs); Sandwell Valley 18/8/1984 (MGB)

Subgenus DORSILOPHA

burskii Coquillett : Tettenhall 1954 (KGVs); Sandwell Valley 1/11/1983 (MGB)

Subgenus LORDIPHOSA

fenestrarum Fallén : Madeley 20/2/1937 (HB); Sandwell Valley 28/10/1982 (MGB)

Subgenus SOPHOPHORA

helvetica Burla : Sandwell Valley 11/8/1991 (MGB)

melanogaster Meigen : Newcastle 29/9/1951 (JE); Coombes Valley (MW); Sandwell Valley 13/11/1987 (MGB)

obscura Fallén : Dimmingsdale 19/9/1950 (JE); Sandwell Valley 29/9/1990 (MGB)

subobscura Collin : Newcastle 19/9/1950-51, Dimmingsdale 1951 (JE); Tettenhall October 1954 (KGVs); Sandwell Valley 2/11/1987 (MGB)

tristis Fallén : Sandwell Valley 24/8/1991 (MGB)

70. MILICHIIDAE

No species recorded. [0/9]

71. TETHINIDAE

No species recorded. [0/10]

72. CANACIDAE

No species recorded. [0/2]

73. BRAULIDAE (Bee-louse)

A single, very unusual species. It is a wingless fly that inhabits the hives of the Honey Bee *Apis mellifera*, where it feeds on the wax and honey. It is occasionally found clinging to the bees themselves, especially to the queen. [1/1]

BRAULA

coeca Nitzsch : I have no records from dipterists but local bee-keepers tell me that it is to be found in hives, probably throughout the county.

74. AGROMYZIDAE (Leaf-miners)

Very small to small flies whose presence is more often noted by the habit of the larvae for they mine the leaves and stems of plants. The shape, pattern and location of the mine together with the species of host plant is characteristic of the species of Agromyzid. This is another neglected group. [88/333]

AGROMYZINAE

OPHIOMYIA

cunctata Hendel : Fazeley Canal on Nipplewort 22/7/1985 (G&MAA)

labiatarum Hering : Dosthill on White Dead Nettle 29/8/1987 (G&MAA)

pinguis Fallén : Sandwell Valley 27/7/1991 (JR)

AGROMYZA

abiens Zetterstedt : Hockley 18/6/1989 on Rough Comfrey (G&MAA)

albipennis Meigen : (Spencer, 1972)

alnibetulae Hendel : Pooley Fields 14/9/1985, Hopwas Wood 25/6/1983; on Birch (G&MAA); Coombes Valley (MW); Sandwell Valley 27/7/1991 (JR)

alnivora Spencer : Fazeley Canal 27/7/1985, Kettlebrook 7/9/1986; on Alder (G&MAA)

anthracina Meigen : Dosthill Hall, Amington, Hopwas Wood, Hodge Lane, Wilnecote 1983-1987; on Nettle (G&MAA)

bicophaga Hering : Sandwell Valley 27/7/1991 (JR)

filipendulae Spencer : Fazeley Canal 22/7/1985, Shuttington Bridge 7/9/1985, Pretty Pigs Pool 4/8/1987; on Meadowsweet (G&MAA); Sandwell Valley 27/7/1991 (JR)

frontella Rondani : Amington, Dosthill Hall, Kettlebrook, Stoneydelph 1984-86; on Lucerne and Ribbed Mellilot (G&MAA)

mobilis Meigen : (Spencer, 1972)

nana Meigen : Amington 27/10/1985 on Red Clover (G&MAA); Coombes Valley (MW)

nigripes Meigen : Dimmingsdale 6/8/1951 (JE)

potentillae Kaltenbach : Dosthill Hall on Creeping Cinquefoil 6/10/1985 (G&MAA); Coombes Valley 1990 (MW)

pseudoreptans Nowakowski : Sandwell Valley -/8/1991 (MGB)

reptans Fallén : Dimmingsdale 22/8/1951 (JE); Hopwas on nettle 1985 (G&MAA)
sulfuriceps Strobl : Warwickshire Moor on Dog Rose 11/6/1985, Dosthill Quarry on Strawberry
30/6/1985 (G&MAA); Coombes Valley 9/7/1988 (MW); Sandwell Valley 27/7/1991 (JR)

PHYTOMYZINAE

CALYCOMYZA

artemisiae Kaltenbach : Hodge Lane 19/7/1986, Shuttington Bridge 29/7/1989; on Mugwort
(G&MAA)

AMAUROMYZA

flavifrons Meigen : Newcastle 16/8/1951 (JE); Dosthill Quarry on Common Chickweed
31/8/1986, Hockley on Corncockle 5/7/1988 (G&MAA)

labiatarum Hendel : Hockley, Dosthill Hall, Kettlebrook, Wilnecote, Hopwas Wood 1984-1987;
on Hedge Woundwort and Common Hemp Nettle (G&MAA); Sandwell Valley 27/7/1991
(JR)

morionella Zetterstedt : Dosthill Quarry 31/8/1986, Kettlebrook Canal on Black Horehound July
1988 (G&MAA)

LIRIOMYZA

amoena Meigen : Glascote 17/8/1986, Alvecote 1987, Dosthill Quarry 19/9/1989; on Elder
(G&MAA)

centaureae Hering : Alvecote 1985 on Common Knapweed (G&MAA); Coombes Valley 1990
(MW)

cicerina Rondani : Hodge Lane on Ribbed Melilot 19/7/1986 (G&MAA)

congesta Becker : Dosthill Quarry on Kidney Vetch 21/7/1985, Glascote on *Medicago*
17/8/1986, Hockley on White Clover 8/8/1985 (G&MAA). 'Pea Leaf-miner'

eupatorii Kaltenbach : Alvecote area 1983 (G&MAA)

flaveola Fallén : Newcastle 16/8/1951, Dimmingsdale 19/9/1951 (JE), Sandwell Valley -/8/1991
(MGB)

millefolii Hering : Hodge Lane on Yarrow 27/10/1985 (G&MAA)

ptarmicae de Meijere : Railway Pool on Sneezewort 23/9/1985 (G&MAA)

pusilla Meigen : Wilnecote on *Solidago canadensis* 7/9/1985 (G&MAA)

sonchi Hendel : Railway Pool 23/9/1985, Borrowpit Lake 24/8/1986; on Sow-thistle (G&MAA)

strigata Meigen : Dosthill Quarry, Fazeley Canal, Hopwas Wood, Stoneydelph, Whateley,
1984-87; on Ragwort, Common Hemp-nettle and White Dead-nettle (G&MAA)

tanacetide Meijere : Alvecote Pools on Mugwort 13/10/1985 (G&MAA)

valerianae Hendel : Coombes Valley 10/8/1990 (MW)

virgo Zetterstedt : Newcastle 3/6/1960 (J.R. Vockeroth in Spencer, 1972)

PHYTOLIRIOMYZA

melampyga Loew : Dosthill on Himalayan Balsalm 3/8/1985 (G&MAA); Drayton Manor 1985
(RJT); Hawksmoor August 1985 (NTBS)

PARAPHYTOMYZA

cornigera Griffiths : Alvecote 3/4/1987 on Snowberry (G&MAA)

fulvicornis Hendel : Dosthill on Goat Willow 27/8/1989 (G&MAA)

hendeliana Hering : Hopwas 1985 (RJT); Wilnecote 1984, Pretty Pigs Pool on Honeysuckle
2/8/1984 (G&MAA); Coombes Valley 14/8/1990 (MW)

tremulae Hering : Dosthill on Aspen 27/8/1989 (G&MAA)

NAPOMYZA

elegans Meigen : Dimmingsdale 16/8/1949 (JE)
lateralis Fallén : Burton (EB). 'Calendula Fly'

PHYTOMYZA

aconiti Hendel : Sandwell Valley 27/7/1991 on garden Delphinium (JR)
[*affinis* Fallén] : Swythamley on Marsh Thistle 17/6/1945 (HB). The foodplant for this species is *Euphrasia*. This species was probably *P. spinaciae* (JR)
angelicae Kaltenbach : Dosthill on Angelica 1/9/1985, Warwickshire Moor 26/6/1987 on Ground Elder (G&MAA); Sandwell Valley 27/7/1991 (JR)
angelicastris Hering : Warwickshire Moor on *Angelica* 26/10/1986 (G&MAA); Swallow Moss 1983 (RJT); Coombes Valley (MW)
archangelicae Hering : Drayton Manor 1983 on Angelica (RJT)
artemisivora Spencer : Pretty Pigs Pool, Amington, Dosthill Hall, Hodge Lane 1985; on Mugwort (G&MAA); Sandwell Valley 27/7/1991 (JR)
centaurii Spencer : Whateley 1987, Wilnecote 1988 in Common Centaury (G&MAA)
chaerophylli Kaltenbach : Warwickshire Moor, Dosthill, Broad Meadow, Wilnecote 1984-1989; on Cow Parsley (G&MAA)
cirsii Hendel : Alimore Green 18/8/1985, Pooley Fields on Spear Thistle 14/9/1985 (G&MAA); Coombes Valley 10/8/1990 (MW)
conii Hering : Dosthill, Kettlebrook, Fazeley, Broad Meadow, Borrowpit Lake 1985-87; on Hemlock (G&MAA)
conyzae Hendel : Dovedale 1983 in Common Fleabane (RJT)
corvimontana Hering : Railway Pool on Sneezewort 23/9/1985 (G&MAA)
eupatorii Hendel : Fazeley on Hemp Agrimony 9/9/1985 (G&MAA)
glechomae Kaltenbach : Dosthill Quarry 20/6/1985 (G&MAA); Hawksmoor August 1985 (NTBS)
heracleana Hering : Stoneydelph on Hogweed 26/7/1987 (G&MAA); Sandwell Valley 27/7/1991 in Hogweed (JR)
horticola Goureau : Wilnecote, Dosthill Quarry, Stoneydelph, Hockley 1984-87; on a variety of plants (G&MAA); Sandwell Valley 27/7/1991 (JR). 'Chrysanthemum Leaf-miner'
ilicis Curtis : Dosthill Quarry 6/10/1985, Whateley 20/10/1985, Amington 27/10/1985, Dosthill Hall 6/10/1985; common on Holly (G&MAA); Coombes Valley (MW); Sandwell Valley 27/7/1991 (JR). Common everywhere on Holly (DWE). 'Holly Leaf-miner'
lappae Goureau (= *lappina* Goureau) : Dosthill Quarry 21/7/1985, Kettlebrook July 1988; On Lesser Burdock (G&MAA)
lonicerae Ronineau-Desvoidy : Coombes Valley 26/8/1990 (MW)
marginella Fallén : Dosthill, Pooley Fields, Hockley 1986-1988; on Nipplewort, Smooth Sow-thistle, Dandelion (G&MAA); Sandwell Valley 27/7/1991 on Hawkweed and Sow-thistle (JR).
melana Hendel : Drayton Manor 1983 in Greater Burnet-saxifrage (RJT)
miniscula Goureau : Stoneydelph on *Aquilegia* 18/12/1986 (G&MAA). 'Columbine Leaf-miner'
nigra Meigen : Alton (JCD); Sandwell Valley 27/7/1991 in Creeping Soft-grass and Bent sp. (JR).
nigripennis Fallén : Bishops Wood 17/5/1954 (JE)
notata Meigen : Coombes Valley 17/9/1990 (MW)
periclymeni de Meijere : Coombes Valley 26/8/1990 (MW)
plantaginis Goureau : Coombes Valley 28/8/1990 (MW)
primulae Goureau : Hockley on Cowslip 6/6/1987, 4/9/1988 (G&MAA)
pullula Zetterstedt : Hockley 1988 in Tansy (G&MAA)

ranunculi Schrank : Swythamley 17/6/1945 (HB); Dimmingsdale 1949-53 (JE); Warwickshire Moor, Borrowpit Lake, Hodge Lane, Hopwas Wood, Kettlebrook, Dosthill Quarry, 1983-87; on Lesser Spearwort, Creeping and Meadow Buttercups (G&MAA); Coombes Valley (MW)

spondyliivora Spencer : Sandwell Valley 27/7/1991 in Hogweed (JR)

spinaciae Hendel : Warwickshire Moor, Kettlebrook Canal, Whateley, Amington, Dosthill Quarry, Hodge Lane 1986-86; on Creeping and Spear Thistles and Lesser Burdock (G&MAA)

spondylii Robineau-Desvoidy (= *spondylii* Goureau) : Drayton Manor 1983 (RJT); Hodge Lane, Hopwas Wood, Broad Meadow, Hockley, Dosthill, Stoneydelph, Amington; on Hogweed (G&MAA); Coombes Valley (MW); Sandwell Valley 27/7/1991 on Hogweed (JR)

syngenesiae Hardy : Kettlebrook Canal, Dosthill, Glascote, Hockley, Stoneydelph; 1985-1987; on Smooth Sow-thistle, Dandelion, Hogweed, Oxford Ragwort (G&MAA)

tanacetii Hendel : Pretty Pigs Pool 13/10/1985, Glascote 17/8/1986, Wilnecote 6/7/1987; on Tansy (G&MAA)

tetrasticha Hendel : Sandwell Valley 27/7/1991 in Water-mint (JR)

tussilaginis Hendel : Fazeley Canal, Hockley, Hodge Lane, Dosthill Quarry 1985-89; on Coltsfoot and Winter Heliotrope (G&MAA); Coombes Valley 1990 (MW)

vitalbae Kaltenbach : Glascote on *Clematis* 17/8/1986 and Blackthorn 1989 (G&MAA)

CERODONTHA

Subgenus DIZYGOMYZA

ireos Goureau : Kettlebrook Canal on Yellow Flag 8/9/1985, Alvecote 1988 (G&MAA)

luctuosa Meigen : Alton (JCD)

Subgenus PHYTAGROMYZA

flavocingulata Strobl : Two Gates on False Oat Grass 26/6/1988 (G&MAA)

Subgenus POEMYZA

phragmitidis Nowakowski : Dosthill Lakes on *Phragmites* 1/9/1985 (G&MAA)

pygmaea Meigen : Sandwell Valley 27/7/1991 in Tufted Hair-grass (JR)

Subgenus ICTEROMYZA

capitata Zetterstedt : Alton (JCD)

75. CHLOROPIDAE

Very small to small flies, often black, yellow and black or green and black in colour. The larvae are mainly plant feeders; some species being significant agricultural pests eg. the Frit Fly *Oscinella frit*. [29/142+]

OSCINELLINAE

CALAMONCOSIS

glyceriae Narchuk : Sandwell Valley 7/7/1988 (MGB)

GONIOPSITA

palposa Fallén : Sandwell Valley July 1988 (MGB)

TRICIMBA

cincta Meigen : Sandwell Valley 7/7/1988 (MGB)

lineella Fallén : Alton (JCD)

DICRAEUS

vagans Meigen : Sandwell Valley 10/7/1988 (MGB)

BOTANOBI

fascipes Becker : Sandwell Valley -/8/1991 (MGB)

OSCINELLA

angularis Collin : Alton (JCD) **Notable**

cariciphila Collin : Sandwell Valley 15/7/1988 (MGB)

frit Linnaeus : Newcastle 4/9/1950 (JE). A widespread pest causing heavy losses of cereals, especially oats. 'Frit Fly'.

nitidissima Meigen : Alton (JCD)

posticata Collin : Alton (JCD)

ELACHTERA

cornuta Fallén : abundant Madeley 22/2/1936, Coombes Valley 19/2/1939 (HB); Sandwell Valley 15/7/1988 (MGB)

diastema Collin : Madeley 22/2/1936 (HB)

tuberculifera Corti : Madeley 20/6/1935 (HB); Dimmingsdale 1951-57 (JE); Sandwell Valley 17/7/1988 (MGB)

CHLOROPINAE

MEROMYZA

nigriventris Macquart : Madeley 3/7/1936 (HB)

saltatrix Linnaeus : Alton 1/9/1954 (JE). No voucher specimen.

variegata Meigen : Burton (EB)

LASIOSINA

cinctipes Meigen : Burton (EB)

CETEMA

elongata Meigen : Sandwell Valley 14/7/1988 (MGB)

myopina Loew : Alton 19/7/1954 (JE). No voucher specimen.

neglecta Tonnoir : Sandwell Valley 22/7/1988 (MGB)

EPICHLOROPS

puncticollis Zetterstedt : Madeley 19/6/1939 (HB) **Notable**

CHLOROPS

calceata Meigen : Madeley 23/6/1938 (HB)

hypostigma Meigen : Sandwell Valley 14/7/1988 (MGB)

meigeni Loew : Burton (EB)

pumilionis Bjerckander : Burton (EB); Hawksmoor 4/7/1935 (HB). 'Gout Fly', a pest on barley.

speciosa Meigen : Sandwell Valley 4/9/1988 (MGB)

CHLOROPISCA

glabra Meigen : Sandwell Valley -/8/1991 (MGB)

THAUMATOMYIA

notata Meigen : Burton (EB); Madeley 4/7/1935; Newcastle 4/9/1950, Dimmingsdale 28/7/1953 (JE); Sandwell Valley 29/9/1988 (MGB). 'Small Cluster-fly', occasionally swarms in houses. Occasional records from Public Health Department.

trifasciata Zetterstedt : Newcastle 16/8/1951, Trentham Park 20/8/1953 (JE). No voucher specimen.

Sub-order : CYCLORRHAPHA - Series : SCHIZOPHORA

Section : CALYPTRATAE

76. OESTRIDAE (Warble Flies)

This family includes flies with some rather unsavoury habits for they depend, in the larval state, on a living mammalian host; usually cattle, sheep or horses, but also related species such as deer. The adults have no functional mouthparts and are thus unable to feed, hence they are not on the wing for very long and so rarely found by collectors. Their life histories make horrific reading! Oestrinae, for example, develop in the nasal cavities of various grazing mammals where they feed on mucus whereas the Hypodermatinae larvae enter the skin, usually by the legs, make their way to the oesophagus and from there, via the chest, to the skin of the back where they form a swelling or warble. Because of the agricultural implications of their activities, they are more likely to be noticed by farmers and vets than by dipterists. Improvements in husbandry have greatly reduced the occurrence of some species. [2/7]

OESTRINAE

OESTRUS

ovis Linnaeus : "common in some years" (VCH); the 'Sheep-nostril Fly'. No recent records.

RDB3

HYPODERMATINAE

HYPODERMA

bovis Linnaeus : common (RG); Burton EB); very common some years (VCH); Dimmingsdale 21/7/1946 (JE); the 'Ox-warble Fly'. "*warble fly has been a notifiable disease for a number of years now and there has been an obligation on farmers to routinely treat cattle to eliminate the larval stage before it leaves the animal. As far as we are aware, no cases of warble fly have occurred in Staffordshire recently*" (BR). **RDB2**

77. GASTEROPHILIDAE (Bot Flies)

Parasitic flies, the larvae of which develop in the stomachs of horses, donkeys and mules. The eggs are usually laid on the legs and enter the body when the animal licks them. [1/4]

GASTEROPHILUS

intestinalis Degeer : Burton (EB); common (VCH); Sandwell Valley 18/8/1991 (MGB). 'Horse-bot Fly'. "*fairly common and many horses are treated for this condition annually*" (BR).

Notable

78. TACHINIDAE (Parasite Flies)

Small to large, usually bristly flies. The larvae are internal parasites in the bodies of living hosts, usually insects, and thus play an important role in biological control. The host is not usually killed until the adult fly is ready to emerge. The host is thus eaten alive! The Edwards specimens no longer exist. [78/230+]

PHASIINAE

PHASIINI

ALOPHORA

Subgenus ALOPHORA

hemiptera Fabricius : Sandwell Valley 20/10/1991 (MGB)

Subgenus ALOPHORELLA

obesa Fabricius : Sandwell Valley 22/8/1987 (MGB)

SUBCLYTIA

rotundiventris Fallén : Sandwell Valley 1/9/1991 (MGB) **RDB3**

DEXIINAE

DEXIINI

PROSENA

siberita Fabricius : Burton (EB)

TRIXA

oestroidea Robineau-Desvoidy : Hawksmoor 14/6/1933 (HB); Copmere 22/9/1985 (DWE);
Sandwell Valley 8/7/1978 (MGB); Hatherton 25/8/1983 (NW)

TACHININAE

VORIINI

ATHRYCIA

curvinervis Zetterstedt : Cannock Chase 29/6/1931 (HB)

trepida Meigen : Sandwell Valley 2/8/1984 (MGB)

ERIOTHRIX

rufomaculata Degeer : Hawksmoor 21/8/1946 (JE); widespread and common July-August
(DWE)

PERISCEPSIA

spathulata Fallén : Sandwell Valley 3/5/1978 (MGB); Coombes Valley 27/7/1988 (MW)

PHYLLOMYA

volvulus Fabricius : Burton (EB)

VORIA

ruralis Fallén : Madeley 29/6/1931 (HB); Sandwell Valley 20/8/1981 (MGB); Hatherton 25/8/1983, Bickford Meadows 28/8/1983 (NW)

WAGNERIA

gagatea Robineau-Desvoidy : Sandwell Valley 25/6/1979 (MGB). **RDB3**

CAMPYLOCHETINI

CAMPYLOCHETA

praecox Meigen : Sandwell Valley 8/4/1989 (MGB); Coombes Valley 3/5/1991 (MW)

ELPE

inepta Meigen : Maer Woods 13/6/1933 (HB)

THELAIRINI

THELAIRA

nigripes Fabricius : Burton (EB); Madeley 13/7/1936 (HB); Dimmingsdale 1945-53 (JE); Sandwell Valley (MGB)

solivaga Harris : Sandwell Valley 4/7/1982 (MGB)

MICROPHTHALMINI

DEXIOSOMA

caninum Fabricius : Burton (EB); Dimmingsdale 25/7/1956 (JE); Jackson's Coppice 2/8/1986 (DWE); Sandwell Valley 29/7/1984 (MGB)

MACQUARTIINI

MACQUARTIA

Subgenus BEBRICIA

praefica Meigen : Sandwell Valley 22/8/1987 (MGB)

Subgenus MACQUARTIA

tenebricosa Meigen : Sandwell Valley 25/5/1987 (MGB)

PELATACHINA

tibialis Fallén : Dimmingsdale 7/6/1947 (JE); Sandwell Valley 30/5/1977 (MGB)

LESKIINI

SOLIERIA

pacifica Meigen : (van Emden, 1954)

vacua Rondani : Sandwell Valley 7/9/1980 (MGB)

LINNAEMYINI

LINNAEMYA

Subgenus LINNAEMYA

vulpina Fallén : Burton (EB); Dimmingsdale 20/7/1947 (JE); Sherbrook Valley 22/9/1985 (DWE)

LYDINA

aenea Meigen : Sandwell Valley 14/8/1978 (MGB)

LYPHA

dubia Fallén : Coombes Valley 28/4/1940 (HB); Dimmingsdale 1951-52 (JE); Sandwell Valley 30/4/1977 (MGB); Burnt Wood 10/4/1987, Loynton Moss 10/5/1987, Westport Lake 15/5/1987, Needwood Forest 9/4/1989 (DWE); Coombes Valley (MW)

ERNESTIINI

ERNESTIA

laevigata Meigen : Sandwell Valley 3/5/1987 (MGB)

rudis Fallén : Dimmingsdale 20/5/1948-57 (JE); Beech 5/7/1987, Loynton Moss 8/6/1986 (DWE); Sandwell Valley 16/5/1980 (MGB)

truncata Zetterstedt : Cannock Chase 18/5/1931, Hawksmoor 14/6/1935, Morridge 24/6/1935 (HB); Dimmingsdale 23/5/1950, Alton 24/6/1954 (JE); Sandwell Valley 28/5/1978 (MGB)

vagans Meigen : Dimmingsdale 21/5/1951 (JE)

EURITHIA

anthophila Robineau-Desvoidy : Madeley 17/8/1936 (HB); Hawksmoor 1946, Dimmingsdale 1956 (JE); Copmere, Denstone, Trent Vale (DWE); Sandwell Valley 23/8/1978 (MGB); Hatherton 22/8/1983 (NW)

consobrina Meigen : from larva of the Emperor Moth *Saturnia parvona* Cannock Chase 3/5/1927 (HB); Westport Lake 19/8/1987, Sherbrook Valley 15/8/1987 (DWE); Sandwell Valley 18/7/1976 onwards (MGB); Coombes Valley (MW)

GYMNOCHAETA

viridis Fallén : Madeley 16/8/1936 (HB); Dimmingsdale 1946-48 (JE); Keele University 13/5/1984 (DWE); Sandwell Valley (MGB); Coombes Valley (MW)

TACHININI

NOWICKIA

Subgenus FABRICIELLA

ferox Panzer : Burton (EB)

SERVILLIA

ursina Meigen : Dimmingsdale 26/4/1947-52 (JE); Keele University 24/6/1985 (DWE); Sandwell Valley 5/4/1980 (MGB); Coombes Valley (MW)

TACHINA

fera Linnaeus : Burton (EB); Dimmingsdale 2/9/1944, 6/7/1947 (JE); Walton's Wood 1/9/1984, Maer Hills 22/9/1985, Burnt Wood 18/8/1990 (DWE); Sandwell Valley 7/9/1980 (MGB); Hatherton 22/8/1983 (NW)

grossa Linnaeus : Cannock Chase 19/7/1930 (HWD); Bishops Wood 6/7/1953 (JE); Milford 21/7/1990 (DWE)

ELOCERIINI

ELFIA

cingulata Robineau-Desvoidy : Sandwell Valley 6/9/1978 (MGB)

PHYTOMYPTERA

nigrina Meigen : Sandwell Valley 24/8/1984 (MGB)

TRIARTHRIA

spinipennis Meigen : Madeley 12/5/1936 (HWD); Sandwell Valley 10/9/1984 (MGB)

GONIINAE

SIPHONINI

ACTIA

lamia Meigen : Sandwell Valley July 1990 (MGB)

pilipennis Fallén : Wolverhampton July 1977 (KGVs); Sandwell Valley July 1978 (MGB)

PERIBAEA

fissicornis Strobl : Sandwell Valley 7/6/1983 (MGB) **Notable**

SIPHONA

cristata Fabricius : Churnet Woods (MW)

geniculata Degeer : Madeley 15/8/1936 (HB); Newcastle 1950, Bishops Wood 2/9/1951, Needwood Forest 1952, Dimmingsdale 1951 (JE); Keele University, Maer Hills (DWE); Sandwell Valley (MGB); Coombes Valley (MW); Sandon Hall (MCB)

BLONDELIINI

BLONDELIA

nigripes Fallén : Oakamoor 31/7/1945 (HB); Dimmingsdale 1951/53 (JE); Sandwell Valley 8/7/1980 (MGB)

COMPSILURA

concinata Meigen : Hatherton 30/8/1983 (NW)

LIGERIA

angusticornis Loew : Sandwell Valley 9/7/1985 (MGB)

MEDINA

collaris Fallén : Bishops Wood 16/6/1951 (JE)

luctuosa Meigen : Bishops Wood 29/5/1950 (JE); Sandwell Valley 15/6/1980 (MGB)

MEIGENIA

mutabilis Fallén : Sandwell Valley 7/8/1990 (MGB)

OSWALDIA

muscaria Fallén : Dimmingsdale 29/5/1951 (JE); Sandwell Valley 13/6/1982 (MGB)

TRICHOPAREIA

maculisquama Zetterstedt : Sandwell Valley 6/7/1981 (MGB)

VIBRISSINA

debilitata Pandellé : Sandwell Valley 27/5/1984 (MGB)

EXORISTINI**EXORISTA****Subgenus ADENIA**

rustica Fallén : Bickford Meadows 28/8/1983 (NW); Sandwell Valley 15/7/1984 (MGB);
Westport Lake 10/7/1986 (DWE)

PHOROCERA

assimilis Fallén : Dimmingsdale 11/5/1953 (JE)

obscura Fallén : Dimmingsdale 11/5/1951, 28/4/1952 (JE); Sandwell Valley 3/6/1984 (MGB)

WINTHEMIINI**NEMORILLA**

floralis Fallén : Madeley 15/8/1949 (JE); Sandwell Valley July-August 1989 (MGB)

SMIDTIA

conspersa Meigen : Dimmingsdale 29/5/1951 (JE)

WINTHEMIA

quadripustulata Fabricius : Sandwell Valley 7/8/1976 (MGB); Westport Lake 24/6/1987

GONIINI**ALLOPHOROCERA**

ferruginea Meigen : Sandwell Valley 16/9/1978 (MGB)

CYZENIS

albicans Fallén : Hawksmoor 14/6/1933 (HB); Dimmingsdale 11/5/1951 (JE); Sandwell Valley
13/5/1979 (MGB); Sandon Hall 24/5/1991 (MCB)

EUMEA

westermanni Zetterstedt : Sandwell Valley 16/7/1978 (MGB)

OCYTATA

pallipes Fallén : Madeley 22/7/1935 (HWD); Sandwell Valley July-September 1990 (MGB)

PALES

pavida Meigen : Sandwell Valley 3/6/1977 onwards (MGB); Hatherton 21/8/1983 (NW)

PHRYNO

vetula Meigen : Dimmingsdale 19/5/1951 (JE); Sandon Hall 24/5/1991 (MCB); Jackson's Coppice 29/6/1991 (DWE)

PLATYMYA

fimbriata Meigen : Sandwell Valley 30/8/1977 (MGB)

ERYCIINI

CARCELIA

Subgenus CARCELIA

lucorum Meigen : from Garden Tiger-moth *Arctia caja* pupa Madeley 6/7/1945 (JE); Sandwell Valley 4/8/1980 (MGB); Loynton Moss 10/5/1987 (DWE)

Subgenus SENOMETOPIA

pollinosa Mesnil : Maer Woods 18/6/1936 (HB)

EPICAMPOCERA

succincta Meigen : Sandwell Valley 6/7/1976 (MGB); Hatherton 22/8/1983 (NW)

LYDELLA

grisescens Robineau-Desvoidy : Sandwell Valley 30/7/1976 (MGB); Westport Lake 14/8/1987 (DWE)

stabulans Meigen : Madeley 26/6/1935 (HB); Dimmingsdale 1949/52, Needwood Forest 8/7/1956 (JE); Blithfield Reservoir 10/8/1986, Westport Lake 14/8/1987 (DWE); Sandwell Valley 30/8/1977 (MGB); Coombes Valley (MW)

NILEA

hortulana Meigen : Sandwell Valley 6/7/1980 (MGB); Hatherton 21/8/1983 (NW)

PHEBELLIA

glauca Meigen : Dimmingsdale 25/6/1952 (JE)

glirina Rondani : Coombes Valley 26/7/1988 (MW)

PHRYXE

heraclei Meigen : Madeley 18/5/1935

nemea Meigen : Madeley 9/6/1931, Oakamoor 4/7/1937, 31/7/1945 (HB); Dimmingsdale 1951-52, Cannock Chase 9/5/1953, Coombes Valley 13/5/1953 (JE); Sandwell Valley 31/5/1978 (MGB); Hatherton 21/8/1983 (NW); Loynton Moss 24/8/1986, Loggerheads 21/8/1991 (DWE)

vulgaris Fallén : Sandwell Valley 8/9/1978 (MGB); Hatherton 23/8/1983 (NW)

PSEUDOPERICHAETA

nigrolineata Walker : Sandwell Valley 19/8/1979 (MGB)

79. RHINOPHORIDAE

Rather un-distinguished flies whose larvae are said to be parasitic on beetles and woodlice. Nomenclature follows Pont (1991) [3/6]

PAYKULLIA

maculata Fallén : Sandwell Valley 16/8/1990 (MGB). **Notable**

PHYTO

discrepans Pandellé : Sandwell Valley 16/7/1978 (MGB)

RHINOPHORA

lepida Meigen : Sandwell Valley 17/8/1978 (MGB)

80. SARCOPHAGIDAE (Flesh-flies)

Familiar flies, many of which have a grey-striped thorax, chequered abdomen, red eyes and rather large feet. The larvae live in carrion and decaying animal matter generally. Nomenclature follows Pont (1991) [20/58]

MILTOGRAMMATINAE

AMOBIA

signata Meigen : Sandwell Valley 1/7/1979 (MGB). **Notable**

METOPIA

argyrocephala Meigen : Burton (EB); Hawksmoor 14/6/1933, Madeley 7/7/1936, Maer Hills 7/7/1936 (HB); Whitmore Common 3/6/1952, Hawksmoor 14/6/1953 (JE); Sandwell Valley 18/6/1978 (MGB)

campestris Fallén : Maer Hills 10/7/1935 (HWD); Oakamoor 31/7/1945 (HB); Dimmingsdale 27/8/1951, 15/7/1952, Bishops Wood 22/7/1953 (JE); Sandwell Valley 18/8/1976 (MGB)

MILTOGRAMMA

punctatum Meigen : Sandwell Valley 15/7/1978 (MGB)

OEBALIA (= Ptychoneura)

cylindrica Fallén : Madeley 7/7/1936, Maer Hills 8/7/1937 (HB); Coombes Valley 10/6/1977 (MW); Sandwell Valley 22/6/1980 (MGB)

MACRONYCHIINAE

MACRONYCHIA

polyodon Meigen : Madeley 25/6/1935 (HB)

ungulans Pandellé : Sandwell Valley 28/8/1977 (MGB)

PARAMACRONYCHIINAE

BRACHICOMA

devia Fallén : Madeley 7/7/1936 (HB); Needwood Forest 18/5/1952 (JE); Sandwell Valley 30/5/1978 onwards (MGB)

SARCOPHAGINAE

SARCOPHAGINI

HELICOPHAGELLA (includes *Sarcophaga* part)

crassimargo Pandellé : Star Wood 24/5/1952 (JE); Sandwell Valley 17/8/1978 (MGB)

melanura Meigen : Burton (EB)

HETERONYCHIA (includes *Sarcophaga* part)

dissimilis Meigen : Needwood 18/5/1952, Whitmore Common 18/6/1952 (JE); Gnosall railway line 16/8/1987 (DWE); Sandwell Valley 11/6/1978 (MGB)

haemorrhoea Meigen : Sandwell Valley 24/6/1980 (MGB)

PARASARCOPHAGA (includes *Sarcophaga* part)

aratrix Pandellé : Sandwell Valley 1/9/1991 (MGB)

caerulescens Zetterstedt (= *scoparia* Pandellé) : Swythamley 17/6/1945 (HB)

similis Meade : Dove Valley (FJ) **Notable**

PIERRETIA (includes *Sarcophaga* part)

nigriventris Meigen : Sandwell Valley 14/5/1988 (MGB)

sempunctata Fabricius (= *clathrata* Meigen) : Sandwell Valley 22/8/1987 (MGB)

SARCOPHAGA

carnaria Linnaeus : (RG); Burton (EB); generally distributed (VCH); widespread and common (DWE)

subvicina Rohdendorf : Madeley 3/7/1935 (HB); widespread and common (DWE)

THRYSOCNEMA (= *Sarcophaga* part)

incisilobata Pandellé : Madeley 3/7/1935 (HB); Sandwell Valley 11/9/1987 (MGB)

81. CALLIPHORIDAE (Blow-flies)

Medium-sized flies resembling tachinids. They include the well-known Bluebottles and Greenbottles. The larval habits are varied. Some develop in carrion while others parasitise earthworms and even toads and frogs. The Bluebottle or Blow Fly is well known for its habit of laying (blowing) eggs on fresh meat while most Greenbottles, of the genus *Lucilia*, develop in carrion. *Lucilia sericata*, however, is also a pest of sheep, developing in soiled wool around the anal area. Some species, the larvae of *Protocalliphora azurea* for example, are known to suck the blood of nestling birds. The Cluster Fly, *Pollenia rudis*, is well-known for its habit of

hibernating en-masse in sheds and outhouses during the winter; coming to windows on warm days. Nomenclature follows Pont (1989) [20/37]

CALLIPHORINAE

BELLARDIA

agilis Meigen : Bishops Wood 30/5/1952, Belmont Pool 14/6/1953 (JE); Sandwell Valley common June-August (MGB); Coombes Valley (MW); Hatherton 21/8/1983 (NW)

pusilla Meigen : Madeley 9/6/1933 (HB); Dimmingsdale 28/5/1951, Charley Moss 21/5/1955 (JE); Doxey Marshes, Keele University, Maer Hills (DWE); Sandwell Valley 24/7/1976 (MGB); Churnet Woods, Coombes Valley (MW)

CALLIPHORA

subalpina Ringdahl : Sandwell Valley 26/7/1972 (MGB). **Notable**

vicina Robineau-Desvoidy : Madeley 11/7/1935 (HB); widespread and abundant (DWE)

vomitorea Linnaeus : Burton (EB); generally distributed (VCH); widespread and abundant (DWE). Common Bluebottle.

CYNOMYA

mortuorum Linnaeus : Sandwell Valley 20/6/1976 (MGB)

LUCILIA

ampullacea Villeneuve : Sandwell Valley 4/4/1985 (MGB); Loynton Moss 24/8/1986 (DWE).

Notable

caesar Linnaeus : (VCH); Madeley 17/5/1936 (HB); Dimmingsdale 1944-51 (JE); Trent Vale 28/6/1986 (DWE); Sandwell Valley common May-October (MGB); Sandon Hall 1991 (MCB)

illustris Meigen : Burton (EB); Dimmingsdale 9/5/1948 (JE); Loynton Moss 8/6/1986; Oakamoor 18/6/1987 (DWE); Sandwell Valley 12/7/1980 (MGB); Hatherton 21/8/1983 (NW); Sandon Hall 5/7/1991 (MCB)

sericata Meigen : Dimmingsdale 26/5/1946 (JE); Trent Vale 29/6/1985, Loynton Moss

2/8/1986 (DWE); Sandwell Valley common May-October (MGB). 'Sheep Maggot Fly'

silvarum Meigen : Sandwell Valley 7/8/1984 (MGB). **Notable**

MELANOMYA (from Rhinophoridae)

nana Meigen : Manifold Valley 14/7/1937 (HB); Dimmingsdale 15/7/1952, Coombes Valley 14/6/1953 (JE); Sandwell Valley 30/8/1979 (MGB)

MELINDA

cognata Meigen : Keele University 22/8/1987 (DWE); Churnet Woods, Coombes Valley (MW)

gentilis Robineau-Desvoidy : Cannock Chase 9/6/1933 (HB); Churnet Woods, Coombes Valley (MW)

PHORMIINAE

PROTOPHORMIA (=Phormia)

terraenovae Robineau-Desvoidy : Sandwell Valley 23/10/1977 (MGB)

PROTOCOLLIPHORA

azurea Fallén (includes *sordida* Zetterstedt) : Dimmingsdale 19/5/1946, 20/9/1946 (JE); Sandwell Valley 8/8/1976 (MGB); Hatherton 30/8/1983 (NW)

POLLENIINAE

POLLENIA

angustigena Wainwright : Maer Hills 8/7/1937 (HB); common Sandwell Valley (MGB)

griseotomentosa Jacentkovsky (= *varia* Meigen) : Dimmingsdale 9/4/1949 (JE); Sandwell Valley 16/8/1980 (MGB)

nitens Zetterstedt (= *vespillo* Fabricius) : Burton (EB); Dimmingsdale 1/10/1947, 22/4/1953 (JE); Coombes Valley (MW)

rudis Fabricius : Burton (EB); widespread and common; the 'cluster fly' (DWE)

82. SCATHOPHAGIDAE (Dung Flies)

Everyone is familiar with the golden-yellow dung flies that congregate on fresh cow pats. However, the majority of this family are more sombre in colour and not all of them frequent dung. The larvae of some rely on decaying vegetable matter and others mine leaves or feed on plants. The adult flies are largely predatory on other insects. Nomenclature follows Pont (1989). [20/53]

SCATHOPHAGINAE

CLEIGASTRA

apicalis Meigen : Sandwell Valley 9/6/1979 (MGB); Jackson's Coppice 24/5/1987 (DWE)

CORDILURA

Subgenus CORDILURA

[*atrata* Zetterstedt] : Chartley Moss 27/6/1954 (JE). No voucher. **Notable**

ciliata Meigen : Bishops Wood 16/6/1951 (JE); Shugborough 29/7/1985 (NTBS); Loynton Moss 10/7/1986, Cannock Chase 15/8/1987 (DWE); Aqualate (NCC)

impudica Rondani : Sandwell Valley 2/6/1979 (MGB); Doxey Marshes 19/5/1986, Gnosall railway line 10/7/1986 (DWE)

pubera Linnaeus : Aqualate (NCC)

pudica Meigen : Madeley 15/7/1936 (HB); Jackson's Coppice 4/8/1987 (DWE); Sandwell Valley 2/9/1979 (MGB)

Subgenus CORDILURINA

albipes Fallén : Sandwell Valley 2/6/1979 (MGB); Rudyard Lake 10/8/1988 (DWE)

NANNA

fasciata Meigen : Sandwell Valley 5/5/1989 (MGB)

inermis Becker : Sandwell Valley 30/4/1988 (MGB)

tibiella Zetterstedt : Sandwell Valley 1/5/1980 (MGB)

NORELLISOMA

lituratum Meigen : Burton (EB)

spinimanum Fallén : Dimmingsdale 10/10/1948 (JE); Tettenhall 15/9/1950 (KGVS); Stanley Pool 27/8/1987 (DWE); Sandwell Valley 17/5/1978- (MGB); Coombes Valley (MW)

SCATHOPHAGA

decipiens Haliday : Newcastle 31/3/1953 (JE); Coombes Valley 14/5/1989 (MW) **Notable**
furcata Say (includes *squalida* Meigen) : "not uncommon" Madeley 16/5/1936 (HB); Trent Vale 28/3/1987, Westport Lake 1987 (DWE); Sandwell Valley 23/9/1990 (MGB); Coombes Valley 15/6/1988, Churnet Woods 28/4/1989 (MW)
inquinata Meigen : common Madeley 16/5/1936 (HB); Dimmingsdale 20/5/1954 (JE); Keele University 22/9/1985 (DWE); Sandwell Valley 24/6/1975 (MGB); Coombes Valley (MW)
lutaria Fabricius : Burton (EB); Madeley 11/7/1949 (HWD); Dimmingsdale 1950-51 (JE); Tettenhall 1954 (KGVS); Copmere 29/9/1985, Keele University 20/10/1985 (DWE); Sandwell Valley 20/10/1978 (MGB); Sandon Hall 24/5/1991 (MCB)
stercoraria Linnaeus : "common" (RG); Burton (EB); "everywhere" (VCH); widespread and abundant; the common dung fly (DWE)
suilla Fabricius : Dimmingsdale 17/7/1946 (JE); Ilam September 1984 (NTBS); Morridge 23/7/1987 (DWE); Betley Mere 24/8/1990 (JAL); Coombes Valley 27/6/1989 (MW)

SPAZIPHORA

hydromyzina Fallén : Blithfield Reservoir 30/8/1986 (DWE)

TRICHOPALPUS

fraternus Meigen : Sandwell Valley 16/8/1986 (MGB); Loynton Moss 31/8/1987 (DWE)

83. ANTHOMYIIDAE

A difficult and complex family of small to medium-sized flies resembling Muscids. Several species are agricultural pests. Lack of identification literature has meant that this family has been largely ignored. The Edwards specimens have not been checked. Nomenclature follows Pont (1989) emended by Mike Ackland. [83/228]

PEGOMYINAE

PEGOMYINI

ALLIOPSIS (=Paraprosalpia)
silvestris Fallén : Colwich (JEC)

EMMESOMYIA

socia Fallén (=villica Meigen) : Sandwell Valley 23/5/1980 (MGB)

EUTRICHOTA (=Pegomyza)

praepotens Wiedemann : Burton (EB); Sandwell Valley 30/8/1977 (MGB)

MYCOPHAGA

testacea Gimmerthal : Alton (JCD); Sandwell Valley 2/10/1980 (MGB)

PARADELIA (=Pseudonupedia)

intersecta Meigen : Wolverhampton July 1977 (KGVs); Sandwell Valley 8/4/1980 (MGB)

PARAPEGOMYIA

[*socculata* Zetterstedt] (=consanguinea Tiensuu) : Dimmingsdale 17/7/1951 (JE)

PEGOMYA

bicolor Hoffmannsegg : Madeley 18/5/1936 (HB); Dimmingsdale 1948/52, Star Wood 24/5/1952, Needwood Forest 8/7/1956 (JE); Keele University 20/6/1986 (DWE); Sandwell Valley 2/6/1985 (MGB)

exilis Meigen : Sandwell Valley 12/4/1981 (MGB)

flavifrons Walker (=albimargo Pandellé) : Madeley 2/4/1936 (HB); Sandwell Valley 4/5/1980 (MGB)

fulgens Meigen : Keele University 22/10/1985 (DWE)

geniculata Bouche : Dimmingsdale 5/10/195, 19/9/1951 (JE); Sandwell Valley 17/7/1987 (MGB)

haemorrhoea Zetterstedt : Sandwell Valley 1/5/1980 (MGB)

hyoscyami Panzer : [Burton (EB)]; Pooley Fields mining Bittersweet 1987 (G&MAA).

laticornis Fallén (=genupuncta Stein) : Alvecote Pools area 1975 (G&MAA)

nigrisquama Stein : Sandwell Valley 2/10/1983 (MGB)

notabilis Zetterstedt : Sandwell Valley 16/7/1987 (MGB)

pulchripes Loew : Dimmingsdale 2/7/1951 (JE)

rubivora Coquillett : Sandwell Valley 7/5/1981 (MGB). 'Loganberry-cane Fly'

rufina Fallén : Dimmingsdale 10/8/1950-52 (JE)

setaria Meigen : Sandwell Valley 15/8/1989 (MGB)

solenis Meigen (=nigratarsis Zetterstedt) : Madeley 12/9/1936 (HB); Drayton Manor 1983 (RJT); Pooley Fields on Water Dock 14/9/1985, Pooley Fields 1982, Railway Pool 1985, Borrowpit Lake 24/8/1986, Dosthill 11/7/1987 (G&MAA); Sandwell Valley 2/6/1979 (MGB). 'Dock Miner'

steni Hendel : Sandwell Valley mining Creeping Thistle 1991 (JR)

testacea Degeer (=silacea Meigen) : Dimmingsdale 30/7/1951 (JE)

versicolor Meigen : Dimmingsdale 25/4/1948, 30/7/1951 (JE); Sandwell Valley 22/4/1989 (MGB)

winthemi Meigen : Madeley 29/10/1945 (HWD); Dimmingsdale 27/8/1951 (JE); Sandwell Valley 18/10/1986 (MGB)

MYOPININI**PEGOPLATA** (includes Nupedia)

aestiva Meigen : Madeley 12/7/1936-1939 (HB)

infirma Meigen : Madeley 3/7/1935, Coombes Valley 5/5/1940, Oakamoor 31/7/1945 (HB); Wolverhampton July 1977 (KGVs); Sandwell Valley 8/4/1980 (MGB)

nitidicauda Schnabl (=virginea Meigen) : Sandwell Valley 21/8/1989 (MGB)

ANTHOMYIINAE

ANTHOMYIINI

ANTHOMYIA (includes *Craspedochoeta*)

confusanea Michelsen : Sandwell Valley 25/8/1989 (MGB)

liturata Robineau-Desvoidy : Sandwell Valley 5/8/1987 (MGB)

pluvialis Linnaeus : Burton (EB); Madeley 7/7/1936 (HB); Dimmingsdale 19/9/1951 (JE)

procellaris Rondani : Madeley 12/7/1937 (HB); Dimmingsdale 11/6/1951 (JE), Bishops Wood 28/6/1951 (JE); Sandwell Valley 25/5/1980 (MGB)

BOTANOPHILA (includes *Pegohylemyia*)

brunneilinea Zetterstedt : Burton (EB); Madeley 10/7/1936 (HB); Sandwell Valley 16/8/1980 (MGB)

fugax Meigen : Madeley 16/5/1936 (HB); Newcastle 18/5/1950 (JE); Wolverhampton July 1977 (KGVs); Sandwell Valley 2/10/1977 (MGB)

laterella Collin : Sandwell Valley 26/5/1991 (MGB)

sericea Malloch : Sandwell Valley 26/5/1980 (MGB)

striolata Fallén : Sandwell Valley 21/5/1980 (MGB)

varicolor Meigen : [Morridge 24/6/1935 (HB)]; Sandwell Valley 7/5/1981 (MGB)

HYLEMYA

urbica van der Wulp (= *latifrons* Schnabel & Dziedicki) : Madeley 10/7/1936; Sandwell Valley 14/5/1977 (MGB)

vagans Panzer (= *strenua* Robineau-Desvoidy) : common Madeley 3/7/1935 (HB); Dimmingsdale 25/4/1948, Bishops Wood 17/5/1954 (JE); Sandwell Valley 2/10/1977 (MGB)

variata Fallén : Madeley 26/6/1935, Coombes Valley 19/2/1939 (HB); Dimmingsdale 19/9/1951, Bishops Wood 17/5/1954 (JE); Sandwell Valley 19/4/1980 (MGB)

HYLEMYZA

partita Meigen (= *Hylemya*): Oakamoor 31/7/1945 (HB); Sandwell Valley 12/8/1980 (MGB)

CHIROSIINI

CHIROSLA

albitarsis Zetterstedt : Sandwell Valley 27/5/1980 (MGB)

betuleti Ringdahl : galling Broad Buckler Fern Alvecote 1989 (per JR)

flavipennis Fallén : Burnt Wood 8/7/1935, Madeley 27/6/1939 (HB); Dimmingsdale 17/7/1950 (JE); Sandwell Valley 3/7/1979 (MGB)

grossicauda Strobl (= *parvicornis* Zetterstedt) : Downs Banks 1/8/1985 (NTBS); Sandwell Valley 27/5/1980 (MGB).

histicina Rondani : Hawksmoor August 1985 (NTBS)

similata Tiensuu : Sandwell Valley 31/5/1981 (MGB)

EGLE

ciliata Walker (= *muscaria* Fabricius) : Madeley 2/4/1946 (HB); Dimmingsdale 1945-51, Bishops Wood 25/9/1950 (JE); Sandwell Valley 29/3/1980 (MGB)

minuta Meigen : Sandwell Valley 29/3/1980 (MGB)

parva Robineau-Desvoidy : Madeley 2/4/1946 (HB); Dimmingsdale 17/7/1951 (JE)

rhinotmeta Pandellé : Sandwell Valley 2/4/1980 (MGB)

LASIOMMA

seminitidum Zetterstedt (= *meadei* Kowarz) : Wolverhampton July 1977 (KGVS); Sandwell Valley 30/7/1978- (MGB)

strigilatum Zetterstedt (= *nitidicauda* Zetterstedt) : Wolverhampton July 1977 (KGVS); Sandwell Valley 23/10/1977- (MGB)

HYDROPHORIINI

ADIA (includes Paregle part)

cinerella Fallén : Sandwell Valley 19/8/1980 (MGB)

DELIA

antiqua Meigen : Dimmingsdale 2/5/1948 (JE). 'Onion Fly'

coarctata Fallén : Dimmingsdale 23/8/1952 (JE); Wolverhampton July 1977 (KGVS); Sandwell Valley 3/7/1979 (MGB). The 'Wheat-bulb Fly'

criniventris Zetterstedt : Sandwell Valley 23/9/1979 (MGB)

echinata Seguy : Dosthill Quarry on Common Orache 31/8/1986 (G&MAA). 'Spinach-stem Fly'

florilega Zetterstedt : Madeley 3/7/1935 (HB); Maer Hills 10/7/1935 (HWD); Wolverhampton July 1977 (KGVS); Sandwell Valley 21/5/1980 (MGB).

lamelliseta Stein : Sandwell Valley 4/7/1989 (MGB)

nuda Strobl : Madeley 10/7/1936 (HB)

platura Meigen : Wolverhampton July 1977 (KGVS); Sandwell Valley 14/5/1977 (MGB). The 'Bean Fly'

radicum Linnaeus (= *brassicae* Wiedemann) : Madeley 10/7/1936 (HB); Dimmingsdale 29/5/1948 (JE); Sandwell Valley 22/5/1977 (MGB). 'Cabbage-root Fly'

EUSTALOMYIA

festiva Zetterstedt : Sandwell Valley 1/6/1977 (MGB)

hilaris Fallén : Dimmingsdale 26/5/1946 (JE)

histrion Zetterstedt : Madeley 6/7/1936 (HB); Dimmingsdale 1948-52 (JE); Sandwell Valley 2/7/1980 (MGB)

HETEROSTYLODES

[*pratensis* Meigen] : Sandwell Valley 15/8/1980 (MGB)

HYDROPHORIA

lancifer Harris (= *conica* Wiedemann) : Burton (EB); Dimmingsdale May 1948-52 (JE); Sandwell Valley 17/6/1979 (MGB)

inogrisea Meigen : Coombes Valley 5/5/1940 (HB); Sandwell Valley 18/5/1980 (MGB)

silvicola Robineau-Desvoidy (= *annulata* Pandellé) : Sandwell Valley 2/8/1980 (MGB)

LEUCOPHORA

cinerea Robineau-Desvoidy : Sandwell Valley 29/6/1980 (MGB)

grisella Hennig : Sandwell Valley 8/7/1980 (MGB)

obtusa Zetterstedt : Hawksmoor 14/6/1933, Cannock Chase 18/5/1931 (HB); Sandwell Valley 12/5/1979 (MGB)

personata Collin : Sandwell Valley 1/5/1980 (MGB)

PAREGLE

audacula Harris (= *radicum* Linnaeus) : Burton (EB); Sandwell Valley 16/9/1977 (MGB);
Hatherton 21/8/1983 (NW). 'Cabbage-root Fly'

PHORBIA

bartaki Ackland and Michelsen : Sandwell Valley 1/5/1980 (MGB)

fumigata Meigen (= *securis* Tiensuu) : Sandwell Valley 6/5/1979 (MGB)

moliniaris Karl : Sandwell Valley 28/4/1991 (MGB)

sepia Meigen : Burton (EB); Sandwell Valley 6/5/1979 (MGB)

ZAPHNE (=Hydrophoria part)

ambigua Fallén : Sandwell Valley 12/7/1980 (MGB)

caudata Zetterstedt : Dimmingsdale 9/5/1948 (JE); Sandwell Valley 27/5/1980 (MGB)

divisa Meigen : Sandwell Valley 30/8/1984 (MGB)

84. FANNIIDAE

Small, undistinguished flies. The Lesser House-fly *Fannia canicularis* is particularly common in houses where it has the habit of slowly circling beneath a lighted lamp. The larvae are found in dung, urine-soaked areas and decaying matter. Nomenclature follows Pont (1989). [25/60]

FANNIA

aequilineata Ringdahl : Sandwell Valley May 1980 (MGB). **Notable**

armata Meigen : Dimmingsdale 20/5/1940-2/7/1951 (JE); Wolverhampton July 1977 (KGVS);
Sandwell Valley (MGB); Churnet Woods, Coombes Valley (MW); Jackson's Coppice
29/6/1991 (DWE)

canicularis Linnaeus : Burton (EB); abundant in houses (DWE). 'Lesser House-fly'

coracina Loew : Sandwell Valley 21/5/1978 onwards (MGB)

fuscula Fallén : Sandwell Valley 8/7/1979 (MGB); Coombes Valley 30/4/1989 (MW)

genualis Stein : Sandwell Valley 25/5/1979 (MGB)

incisurata Zetterstedt : Madeley 16/8/1936 (HB); Dimmingsdale 22/8/1951 (JE); Sandwell
Valley 21/6/1987 (MGB)

lepida Wiedemann (= *mutica* Zetterstedt) : Sandwell Valley 5/10/1980 (MGB)

lustrator Harris (= *hamata* Macquart) : Dimmingsdale 6/8/1951 (JE); Sandwell Valley 2/6/1977
(MGB)

manicata Meigen : Madeley 16/8/1936 (HB); Wolverhampton July 1977 (KGVS); Sandwell
Valley 30/8/1976 (MGB)

melania Dufour : Dimmingsdale 11/5/1953 (JE). No voucher. **Notable**

minutipalpis Stein : Sandwell Valley 9/6/1983 (MGB).

mollissima Haliday : Dimmingsdale 25/4/1948-11/5/1953 (JE); Sandwell Valley 7/5/1978
onwards (MGB); Churnet Woods 1/5/1989, Coombes Valley 28/4/1989 (MW)

monilis Haliday : Sandwell Valley 22/6/1979 (MGB)

pallitibia Rondani : Sandwell Valley 6/11/1977 onwards (MGB)

parva Stein : Sandwell Valley 6/9/1986 (MGB)

polychaeta Stein : Wolverhampton July 1977 (KGVS); Sandwell Valley 24/8/1989 (MGB)

postica Stein : Sandwell Valley 9/6/1979 (MGB)

rondanii Strobl : Sandwell Valley 17/5/1980 (MGB)

scalaris Fabricius : Dimmingsdale 14/4/1946 (JE); Wolverhampton July 1977 (KGVS);
Sandwell Valley -/5/1980- (MGB). 'Latrine Fly'

serena Fallén : Madeley 21/6/1935 (HB); Sandwell Valley 23/5/1979 (MGB); Hatherton 20/8/1983 (NW); Coombes Valley (MW)
sociella Zetterstedt : Dimmingsdale 6/6/1949-16/8/1951 (JE); Sandwell Valley 21/5/1984 onwards (MGB)
umbrosa Stein : Dimmingsdale 20/5/1948 (JE). No voucher specimen.
vesparia Meade : Sandwell Valley June 1977 (MGB). **Notable**

PIEZURA

graminicola Zetterstedt : Sandwell Valley 12/7/1980 onwards (MGB)

85. MUSCIDAE

Small to medium-sized flies of varying form and habit. Some adults are blood-feeders, others are predatory on insects and many are attracted to dung and decaying matter. The common House Fly *Musca domestica*, with which most people will be familiar, used to be a major health hazard but, with improved sanitation, the use of refuse bins and the demise of the horse as a means of transport, this is no longer the case. Nomenclature follows Pont (1991). [125/277]

ACHANTHIPTERINAE

ACHANTHIPTERA

rohrelliformis Robineau-Desvoidy : Dimmingsdale 19/9/1946 (JE); Sandwell Valley June 1977 (MGB)

MUSCINAE

REINWARDTIINI

MUSCINA

levida Harris (= *assimilis* Fallén) : Sandwell Valley 18/9/1977 (MGB)
prolapsa Harris (= *pabulorum* Fallén) : Sandwell Valley 2/8/1977 (MGB)
stabulans Fallén : Burton (EB); Sandwell Valley 26/7/1977 (MGB). 'False Stable Fly'

AZELIINI

AZELIA

cilipes Haliday : Dimmingsdale 19/9/1951 (JE); Sandwell Valley 29/9/1979 onwards (MGB)
nebulosa Robineau-Desvoidy (= *macquarti* Staeger) : Dimmingsdale 15/10/46, 16/7/49, Bishops Wood 17/5/1954 (JE); Sandwell Valley 20/5/1979 (MGB); Coombes Valley 16/7/1988 (MW); "swarming" Copmere 26/10/1991 (DWE)
trigonica Hennig : Sandwell Valley 20/8/1984 (MGB); Loynton Moss 26/7/1987 (DWE).
Notable
triquetra Wiedemann : Madeley 7/7/1936, Oakamoor 31/7/1945 (HB); Sandwell Valley 26/7/1987 (MGB)
zetterstedti Rondani : Madeley 3/7/1935 (HB); Dimmingsdale 9/9/1950, 19/9/1951 (JE); Wolverhampton July 1977 (KGVS); Sandwell Valley 8/7/1980 (MGB)

DRYMEIA (includes *Tricopticoides*)

hamata Fallén : Manifold Valley 14/7/1937, Oakamoor 31/7/1945 (HB); Bishops Wood 5/9/1950, Dimmingsdale 28/7/1953 (JE); Sandwell Valley 2/8/1977 onwards (MGB)
vicana Harris (= *Tricopticoides decolor* Fallén) : Sandwell Valley 18/5/1978 (MGB)

HYDROTAEA (includes *Ophyra*)

albipuncta Zetterstedt : Madeley 26/6/1935 (HB)
armipes Fallén (= *occulata* Meigen) : Madeley 16/8/1936 (HB); Dimmingsdale 25/4/1948, 9/5/1948 (JE); Wolverhampton July 1977 (KGVS); Sandwell Valley 21/5/1978 (MGB)
cinerea Robineau-Desvoidy : Loynton Moss 16/8/1986 (DWE) **Notable**
cyrtoneurina Zetterstedt : Dimmingsdale 29/9/1946-51 (JE); Coombes Valley 4/10/1985 (MW)
dentipes Fabricius : Madeley 3/7/1935 (HB); widespread (DWE)
diabolus Harris (= *bimaculata* Meigen) : Hawksmoor 21/8/1946; Dimmingsdale May 1947-52, Bishops Wood 28/6/1951, 14/8/1952 (JE); Sandwell Valley 5/9/1976 onwards (MGB); Coombes Valley (MW)
floccosa Macquart : Sandwell Valley 29/5/1980 (MGB)
ignava Harris (= *Ophyra leucostoma* Wiedemann) : Burnt Wood 21/6/1949 (JE); Sandwell Valley 9/8/1978 onwards (MGB). 'Poultry-house Fly'
irritans Fallén : Madeley 26/6/1935 (HB); widespread and common where it occurs; the Sweat Fly (DWE)
militaris Meigen : Dimmingsdale 17/7/1950 (JE); Coombes Valley (MW)
parva Meade : Sandwell Valley 12/8/1979 onwards (MGB) **Notable**
similis Meade : Madeley 26/6/1935 (HB); Bishops Wood 5/9/1950 (JE); Sandwell Valley 25/9/1977 (MGB)

POTAMIA (= *Dendrophaonia*)

littoralis Robineau-Desvoidy (= *querceti* Bouche) : Sandwell Valley 9/10/1977 (MGB)

THRICOPS (includes *Alloeostylus*)

diaphanus Wiedemann : Madeley 12/6/1938-1945 (HB); Dimmingsdale 16/6/1949, 2/7/1951 (JE); Sandwell Valley 1/10/1977 (MGB); Coombes Valley 16/7/1988 (MW)
foveolatus Zetterstedt : Sandwell Valley 2/5/1988 (MGB). **Notable**
semicinereus Wiedemann : Sandwell Valley 14/7/1984 (MGB); Coombes Valley 27/6/1988 (MW)
simplex Wiedemann : Dimmingsdale 17/9/1950 (JE); Sandwell Valley 18/9/1977 (MGB)
sudeticus Schnabl : Sandwell Valley 28/8/1977 (MGB); Churnet Woods 26/7/1988 (MW) **Notable**

MUSCINI**EUDASYPHORA** (= *Dasyphora*)

cyanella Meigen : Madeley 3/7/1935 (HB); Dimmingsdale March 1946 (JE); Beaudesert, Copmere, Keele University (DWE); Sandwell Valley (MGB); Coombes Valley (MW); Sandon Hall (MCB)
cyanicolor Zetterstedt : Dimmingsdale 13/7/1946 (JE); Sandwell Valley 6/9/1982 (MGB)

MESEMBRINA

meridiana Linnaeus : frequent (RG); Burton (EB); widespread and common (DWE)

MORELLIA

aenescens Robineau-Desvoidy : Sandwell Valley 28/8/1977 onwards (MGB); Keele University 31/8/1985, Loynton Moss 10/5/1987 (DWE); Coombes Valley (MW)

hortorum Fallén : Burton (EB); common Madeley 21/6/1935 (HB); Burnt Wood (JE); Copmere, Jackson's Coppice; Loynton Moss, Westport Lake (DWE); Sandwell Valley common (MGB); Coombes Valley (MW); Bickford Meadows (NW); Sandon Hall (MCB)

simplex Loew : Dimmingsdale 13/5/1942 (JE); Madeley 19/4/1949 (HWD); Sandwell Valley common (MGB); Coombes Valley (MW); Sandon Hall (MCB). 'Cattle Sweat Fly'

MUSCA

autumnalis Degeer : Madeley 23/3/1936 (HB); Widespread and common.

domestica Linnaeus : Burton (EB); "everywhere" (VCH); widespread and common (DWE). The common 'House-fly'.

NEOMYIA (=Orthellia)

cornicina Fabricius (= *viridis* Wiedemann) : Madeley 6/8/1936 (HB); Dimmingsdale 9/4/1945 (JE); Sandwell Valley 30/8/1976 (MGB)

viridescens (Robineau-Desvoidy) (= *cornicina* auctt., nec Fabricius) : Burton (EB); Coombes Valley 1/5/1989 (MW); Sandwell Valley 20/9/1987 (MGB)

POLIETES

domitor Harris (= *albolineata* Fallén) : "common" Madeley 3/7/1935 (HB); Sandwell Valley 29/8/1977 (MGB); Churnet Woods, Coombes Valley (MW); Sandon Hall 24/5/1991 (MCB)

hirticrura Meade : Coombes Valley 7/8/1988 (MW)

lardaria Fabricius : Burton (EB); widespread and common (DWE)

STOMOXYINI

HAEMATOBIA

irritans Linnaeus : Sandwell Valley 5/8/1987 (MGB). 'Horn Fly'

HAEMATOBOSCA

stimulans Meigen : Madeley 3/7/1935 (HB); Dimmingsdale 8/5/1949 (JE); Coombes Valley (MW). 'Cattle-biting Fly'

STOMOXYNS

calcitrans Linnaeus : Burton (EB); Dimmingsdale 8/5/1949 (JE); Sandwell Valley 12/8/1987 (MGB); Hatherton 21/8/1983 (NW); 'abundant' Copmere 3/8/1991 (DWE). 'Stable Fly', bites cattle, horses and Man.

PHAONINAE

PHAONIINI

BRONTAEA (=Gymnodia)

humilis Zetterstedt : Madeley 20/3/1937 (HB); Dimmingsdale 16/7/1949 (JE) no voucher specimen; Sandwell Valley 9/5/1978 (MGB)

HELINA

- calceata* Rondani : Sandwell Valley 6/6/1988 (MGB) **Notable**
- depuncta* Fallén : Madeley 15/8/1936 (HB); Wolverhampton July 1977 (KGVS); Sandwell Valley 13/8/1977 (MGB)
- evecta* Harris (= *laetifica* Robineau-Desvoidy) : Madeley 8/7/1935 -1936 (HB); Cannock Chase 8/5/1947, Dimmingsdale 19/5/1946, 25/6/1952 (JE); Sandwell Valley 1/10/1978 onwards (MGB); Loynton Moss 10/5/1987 (DWE)
- impuncta* Fallén : Burton (EB); "common" Madeley 21/6/1935 (HB); Sandwell Valley 18/9/1977- (MGB); Coombes Valley (MW); Sandon Hall 24/5/1991 (MCB); Jackson's Coppice 29/6/1991 (DWE)
- lasiophthalma* Macquart : Burton (EB); Sandwell Valley 2/7/1978 (MGB)
- obscurata* Meigen : Sandwell Valley 15/6/1980 (MGB)
- pertusa* Meigen : Sandwell Valley 30/8/1979 (MGB)
- quadrum* Fabricius : Sandwell Valley 13/9/1977 (MGB)
- reversio* Harris (= *duplicata* Meigen) : Madeley 14/8/1936 (HB); Dimmingsdale 19/10/1951 (JE); Wolverhampton July 1977 (KGVS); Sandwell Valley 2/10/1977 (MGB)
- setiventris* Ringdahl : Wolverhampton July 1977 (KGVS); Sandwell Valley 11/9/1977 (MGB)
- trivittata* Zetterstedt (= *atripes* Meade) : Wolverhampton July 1977 (KGVS); Sandwell Valley 19/8/1978 onwards (MGB)

LOPHOSCELES

- cinereiventris* Zetterstedt : Sandwell Valley 11/10/1977 (MGB); Coombes Valley, Churnet Woods (MW)
- mutatus* Fallén : Sandwell Valley 30/10/1978 (MGB)

PHAONIA

- angelicae* Scopoli (= *basalis* Zetterstedt) : Madeley 25/6/1936 (HB); Dimmingsdale 7/7/1946 (JE); Keele University 1985; Westport Lake 14/8/1989 (DWE); Sandwell Valley 10/8/1977 (MGB); Coombes Valley (MW)
- atriceps* Loew : Sandwell Valley 12/8/1990 (MGB)
- cincta* Zetterstedt : Sandwell Valley 20/8/1985 (MGB)
- errans* Meigen : Dimmingsdale 17/7/1950 (JE); Keele University, Westport Lake (DWE); Churnet Woods, Coombes Valley (MW); Sandwell Valley 15/5/1977- (MGB); Sandon Hall 24/5/1991 (MCB)
- erronea* Schnabl : Dimmingsdale 19/9/1951 (JE)
- falleni* Michelsen (= *vagans* Fallén) : Madeley 3/7/1935 (HB); Dimmingsdale 11/5/1933 (JE) no voucher specimen; (Fonseca, 1968); Coombes Valley 27/6/1988 (MW)
- fuscata* Fallén : Sandwell Valley 16/7/1979 (MGB)
- gobertii* Mik : Madeley 30/5/1931 (HB); Dimmingsdale 1/5/1949 (JE); Sandwell Valley 11/9/1977 onwards (MGB)
- halterata* Stein : Sandwell Valley 25/5/1988 onwards (MGB)
- incana* Wiedemann : Burton (EB); Madeley (HB); Dimmingsdale (JE); Consall, Copmere, Deep Hayes, Loynton Moss, Trent Vale (DWE); Sandwell Valley (MGB); Coombes Valley (MW)
- laeta* Fallén (= *trigonalis* Meigen) : Sandwell Valley 22/8/1991 (MGB)
- mystica* Meigen (= *vittifera* Zetterstedt) : Sandwell Valley 26/8/1978 (MGB)
- pallida* Fabricius : Madeley 3/7/1935 (HB); Dimmingsdale 1951-53 (JE); Copmere 30/6/1985 (DWE); Coombes Valley (MW); Sandwell Valley 14/8/1976 (MGB)
- palpata* Stein : Sandwell Valley 30/8/1976 (MGB)
- perdita* Meigen : Sandwell Valley 15/7/1978 (MGB)
- pratensis* Robineau-Desvoidy : Sandwell Valley 16/7/1979 (MGB) **Notable**

rufipalpis Macquart : Sandwell Valley 15/8/1977 (MGB)
rufiventris Scopoli (=populi Meigen) : common Madeley 7/7/1936 (HB); Dimmingsdale 1946-52 (JE); Keele University, Loynton Moss (DWE); Coombes Valley (MW); Sandwell Valley (MGB); Sandon Hall (MCB)
serva Meigen : Sandwell Valley 15/5/1977 (MGB); Coombes Valley 30/6/1987 (MW)
subventa Harris (=variegata Meigen) : Maer Hills 22/6/1935, Madeley 27/10/1945 (HB); Dimmingsdale 1946-1951 (JE); Tettenhall 1954 (KGVs); Keele University, Loynton Moss, Trent Vale (DWE); Sandwell Valley (MGB); Sandon Hall (MCB)
trimaculata Bouche : Sandwell Valley 16/6/1976 onwards (MGB)
tuguriorum Scopoli (=signata Meigen) : Burton (EB); widespread and common (DWE)
valida Harris (=viarum Robineau-Desvoidy) : Burton (EB); Keele University 21/8/1985 (DWE); Coombes Valley (MW); Sandwell Valley 26/7/1977 (MGB)

MYDAEINAE

GRAPHOMYA

maculata Scopoli : Burton (EB); widespread and common
minor Robineau-Desvoidy (=picta Zetterstedt) : Madeley 3/7/1935 (HB); Sandwell Valley 12/7/1979 (MGB). **Notable**

HEBECNEMA

nigra Robineau-Desvoidy (=vespertina Fallén) : Sandwell Valley 25/9/1977 (MGB)
nigricolor Fallén : Dimmingsdale 16/7/1949 (JE); Sandwell Valley 11/9/1977 (MGB)
umbratica Meigen : Madeley 28/6/1936 (HB); Dimmingsdale 13/7/1952 (JE); Sandwell Valley 29/5/1980 (MGB)
vespertina Fallén (=affinis Malloch) : Madeley 28/6/1936 (HB); Sandwell Valley 6/4/1978 onwards (MGB)

MYDAEA

ancilla Meigen : Sandwell Valley 1/10/1977 (MGB). **Notable**
corni Scopoli (=scutellaris Robineau-Desvoidy) : Burton (EB); Dimmingsdale 7/7/1946-2/7/1951 (JE); Westport Lake 14/6/1986 (DWE); Sandwell Valley (MGB); Churnet Woods, Coombes Valley (MW)
electa Zetterstedt : Sandwell Valley 29/5/1980 (MGB)
humeralis Zetterstedt (=tinctoria Zetterstedt) : Sandwell Valley 27/8/1979 (MGB)
setifemur Ringdahl : Dimmingsdale 19/9/1951 (JE); Coombes Valley 26/7/1988 (MW)
urbana Meigen : Sandwell Valley 9/9/1978 (MGB); Sandon Hall 24/5/1991 (MCB)

MYOSPILA

meditabunda Fabricius : "common" Madeley 8/7/1935, Oakamoor 31/7/1945 (HB); Dimmingsdale 12/7/1947 (JE); Coombes Valley, Gib Tor, Keele University, Morridge (DWE); Sandwell Valley 7/5/1978 (MGB)

COENOSINAE

LIMNOPHORINI

LIMNOPHORA (includes Calliophrys, Pseudolimnophora)

exuta Kowarz : Oakamoor 17/6/1945 (HB)
maculosa Meigen : Sandwell Valley 2/10/1977 (MGB)
riparia Fallén : Dimmingsdale 17/7/1950-24/4/1957 (JE); Sandwell Valley 4/6/1979 (MGB)

triangula Fallén : "abundant" Dimmingsdale 3/7/1949-8/9/1950 (JE); Sandwell Valley 14/9/1977 onwards (MGB)
tigrina Am Stein : Sandwell Valley 22/8/1987 (MGB). **Notable**

LISPE

tentaculata Degeer : Sandwell Valley 12/8/1979 onwards (MGB); Blithfield 10/8/1986 (DWE)

SPILOGONA

contractifrons Zetterstedt : Morridge 24/6/1935 (HB)
denigrata Meigen : not uncommon Morridge 24/6/1935 (HB); Sandwell Valley 24/7/1978 (MGB)
pacifica Meigen (= *vana* Zetterstedt) : Sandwell Valley 24/6/1976 onwards (MGB)
scutulata Schnabl : Sandwell Valley 10/7/1990 (MGB)
trianguligera Zetterstedt : Manifold Valley (Fonseca, 1968)

COENOSIINI

COENOSIA (includes *Allognota*)

agromyzina Fallén (= *Allognota*): Sandwell Valley 8/10/1978 (MGB)
albicornis Zetterstedt (= *lineatipes* Zetterstedt) : Madeley 13/7/1936 (HB); Dimmingsdale 25/6/1952 (JE); Wolverhampton July 1977 (KGVS); Trent Vale 28/6/1986 (DWE); Sandwell Valley 22/10/1978 (MGB)
bilineella Zetterstedt : Manifold Valley 18/6/1938 (HB). **Notable**
humilis Meigen : Sandwell Valley 15/8/1987 (MGB)
intermedia Fallén : Madeley 28/6/1936 (HB); Sandwell Valley 12/7/1978 (MGB); Coombes Valley 16/7/1988 (MW)
pumila Fallén : Sandwell Valley 26/7/1990 (MGB)
testacea Robineau-Desvoidy (= *tricolor* Zetterstedt) : Sandwell Valley 2/6/1979 (MGB)
tigrina Fabricius : Burton (EB); Madeley 25/6/1936 (HB); Dimmingsdale 23/8/1952 (JE); Sandwell Valley 1/10/1978 onwards (MGB)

LISPOCEPHALA

alma Meigen : Sandwell Valley 11/4/1979 (MGB)
brachialis Rondani : Dimmingsdale 21/4/1951 (JE). **Notable**
erythrocerata Robineau-Desvoidy : Madeley 22/3/1936 (HB); Sandwell Valley 1/4/1979 (MGB)
spuria Zetterstedt : Coombes Valley 22/9/1987 (MW). **Notable**

MACRORCHIS

meditata Fallén : Oakamoor 17/6/1945 (HB); Newcastle 18/5/1950, Dimmingsdale 28/3/1951 (JE); Sandwell Valley 11/7/1979 (MGB); Coombes Valley 7/7/1986 (MW)

PSEUDOCOENOSIA

solitaria Zetterstedt : Coombes Valley 15/9/1987 (MW); Sandwell Valley 1/7/1989 (MGB)

SPANOCHAETA

dorsalis von Roser : Dimmingsdale 22/8/1951 (JE)

86. HIPPOBOSCIDAE (Flat Flies)

Flies that are parasitic on birds and mammals. The adults live either between the feathers of birds or the hair of mammals, sucking the blood of the host. To aid movement in this unusual environment the bodies of the flies are greatly flattened. In addition, the wings may be reduced or absent and the claws are enlarged and strengthened to give a better grip. The body is also extremely tough to resist pecking etc. The larvae develop inside the body of the adult and pupate immediately on being liberated. Because of their specialised life-styles these flies are not often met with. The nomenclature follows Hutson (1984). [6/13]

ORNITHOMYINAE

CRATAERINA

hirundinis Linnaeus : Burton on martins and swallows (EB); Newcastle 14/5/1976, Werrington 1/8/1991, both in houses (SBRC); Sandwell Valley September 1987 (MGB). Mainly restricted to martins and swallows, occasionally on swifts.

pallida Latreille : Wolstanton in house 1/7/1976, Leek on swift corpse 5/8/1986, Sneyd Green on juvenile swift 1/8/1989 (SBRC).

ORNITHOMYA

avicularia Linnaeus : Burton on owls &C (EB); Madeley on Song Thrush 6/7/1945 (JE); Copmere (DWE) and Betley Mere (JAL); both on Reed Warblers. Common on a variety of woodland birds.

fringillina Curtis : Copmere on Reed Warbler 17/8/1984 (DWE). Common on a variety of woodland birds.

HIPPOBOSCINAE

HIPPOBOSCA

equina Linnaeus : Coombes Valley 22/5/1985 (MW). Parasite of horses and donkeys.

LILOPTENINAE

MELOPHAGUS

ovinus Linnaeus : "common on sheep" (EB); "on sheep everywhere" (VCH); Coombes Valley 28/4/1986 (MW). The 'Sheep Ked', a wingless parasite resembling a tick. "*a very common parasite before compulsory dipping of sheep was instigated to control sheep scab. We have not seen any sheep keds for many years now.*" (BR)

87. NYCTERIBIIDAE

No species recorded. [0/3]

Latin names of plants mentioned in the text

Alder	<i>Alnus glutinosus</i>	Hemlock	<i>Conium maculatum</i>
Amphibious Bistort	<i>Polygonum amphibium</i>	Hemp-agrimony	<i>Eupatorium cannabinum</i>
Angelica	<i>Angelica sylvestris</i>	Himalayan Balsalm	<i>Impatiens glandulifera</i>
Ash	<i>Fraxinus excelsior</i>	Hogweed	<i>Heracleum sphondylium</i>
Aspen	<i>Populus tremulus</i>	Holly	<i>Ilex aquifolium</i>
Beech	<i>Fagus sylvatica</i>	Honeysuckle	<i>Lonicera periclymenum</i>
Bent sp.	<i>Agrostis sp.</i>	Ivy	<i>Hedera ilix</i>
Birch	<i>Betula sp.</i>	Kidney Vetch	<i>Anthyllis vulneraria</i>
Blackberry.....	<i>Rubus fruticosus</i>	Lady's Bedstraw	<i>Galium verum</i>
Black Horehound.....	<i>Ballota nigra</i>	Lesser Burdock	<i>Arctium minus</i>
Black Poplar	<i>Populus nigra</i>	Lesser Spearwort	<i>Ranunculus flammula</i>
Blackthorn.....	<i>Prunus spinosa</i>	Lucerne	<i>Medicago sativa</i>
Burdock	<i>Arctium sp.</i>	Male Fern	<i>Dryopteris filix-mas</i>
Clover	<i>Trifolium sp.</i>	Meadow Buttercup	<i>Ranunculus acris</i>
Coltsfoot	<i>Tussilago farfara</i>	Meadowsweet	<i>Filipendula ulmaria</i>
Comfrey	<i>Symphylum sp.</i>	Mugwort	<i>Artemisia vulgaris</i>
Common Centaury	<i>Centaureum erythraea</i>	Nettle	<i>Urtica dioeca</i>
Common Chickweed	<i>Stellaria media</i>	Nipplewort	<i>Lapsana communis</i>
Common Fleabane.....	<i>Pulicaria dysenterica</i>	Osier	<i>Salix viminalis</i>
Common Hemp-nettle	<i>Galeopsis tetrahit</i>	Oxford Ragwort	<i>Senecio squalidus</i>
Common Knapweed.....	<i>Centaurea nigra</i>	Ragwort	<i>Senecio jacobaea</i>
Common Orache	<i>Atriplex patula</i>	Ramsons.....	<i>Allium ursinum</i>
Corncockle	<i>Agrostemma githago</i>	Raspberry	<i>Rubus idaeus</i>
Cow Parsley	<i>Anthriscus sylvestris</i>	Red Clover	<i>Trifolium pratense</i>
Cowslip	<i>Primula veris</i>	Ribbed Melilot	<i>Melilotus officinalis</i>
Creeping Buttercup	<i>Ranunculus repens</i>	Rough Comfrey.....	<i>Symphytum asperum</i>
Creeping Cinquefoil	<i>Potentilla reptans</i>	Sneezewort	<i>Achillea ptarmica</i>
Creeping Soft-grass	<i>Holcus mollis</i>	Snowberry.....	<i>Symphoricarpos rivularis</i>
Creeping Thistle	<i>Cirsium arvense</i>	Sow-thistle	<i>Sonchus sp.</i>
Dandelion	<i>Taraxacum sp.</i>	Smooth Sow-thistle	<i>Sonchus oleraceus</i>
Dog Rose	<i>Rosa canina</i>	Spear Thistle	<i>Cirsium vulgare</i>
Elder	<i>Sambucus nigra</i>	Strawberry	<i>Fragaria sp.</i>
False-oat Grass	<i>Arrhenatherum elatius</i>	Tansy	<i>Tanacetum vulgare</i>
Germander Speedwell ..	<i>Veronica chamaedrys</i>	Tufted Hair-grass	<i>Deschampsia caespitosa</i>
Goat Willow	<i>Salix caprea</i>	Water Mint.....	<i>Mentha aquatica</i>
Greater Burnet-saxifrage	<i>Pimpinella major</i>	White Clover	<i>Trifolium repens</i>
Ground-elder	<i>Aegopodium podagraria</i>	White Dead-nettle	<i>Lamium album</i>
Ground-ivy.....	<i>Glechoma hederacea</i>	Winter Heliotrope	<i>Petasites fragrans</i>
Hawkweed.....	<i>Hieracium sp.</i>	Yarrow	<i>Achillea millefolium</i>
Hawthorn	<i>Crateaegus sp.</i>	Yellow Flag	<i>Iris pseudacorus</i>
Hedge Woundwort	<i>Stachys sylvatica</i>	Yew	<i>Taxus baccata</i>

GAZETTEER

A			
Acton.....	SJ8241	Craddocks Moss.....	SJ7748
Allimore Green.....	SJ8519	Crowgutter	SK0049
Alton	SK0742	Cuckoo Cliff.....	SK1246
Alvecote Pools.....	SK2-0-		
Amington.....	SK2304		
Aqualate.....	SJ7720		
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Bar Hill	SJ7643	Denford	SJ9653
Barlaston.....	SJ8938	Denstone.....	SK0940
Basford.....	SJ8546	Dimmingsdale	SK0543
Beaudesert.....	SK0313	Dosthill Hall.....	SK2100
Beech	SJ8537	Dosthill Quarry	SP2099
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Belmont Pool.....	SK0050	Downs Banks	SJ9036
Belvide Reservoir	SJ8609	Doxey Marshes	SJ9024
Berrisford Dale	SK1258	Drayton Manor.....	SK1901
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Bickford Meadows	SJ8814		
Bishops Wood	SJ7531	E	
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Brocton Coppice.....	SJ9819	Fazeley Canal.....	SK2102
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		Gib Tor	SK0264
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		Goldritch Moss	SK0164
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Chartley Moss.....	SK0228	Hawk Hills	SK1322
Cheddleton.....	SJ9852	Hawksmoor	SK0244
Cheddleton Heath	SJ9853	Hednesford	SK0013
Churnet Woods.....	SK0-4-	Hem Heath Wood	SJ8840
Clayton.....	SJ8543	Highfields.....	SJ9122
Colwich.....	SK0-2-	Hockley	SK2200
Coombes Valley	SK0052	Hodge Lane	SK2304
Consall	SJ9848	Hopwas Wood.....	SK1605
Copmere.....	SJ8029		

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J
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K
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 Kettlebrook Canal..... SK2102
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L
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M
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 Manifold Valley.....SK0-5-
 Mayfield.....SK1-4-
 Mermaid Inn SK0359
 Milford.....SJ9720
 Mill Dale.....SK0-5-
 Morridge SK0359
 Mottey Meadows.....SJ8313
 Mount PleasantSJ8844

N
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 Norton GreenSJ9052

O
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 Oldacre Valley.....SJ9718

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 Three Lowes.....SK0746
 Trent Vale..... SJ8644
 Trentham Park..... SJ8540
 Trinity Fields..... SJ9125
 Two GatesSK2101

U
 Uttoxeter..... SK0-3-

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 Waltons Wood SJ7846
 Warwickshire Moor SK2-0-
 Westcliffe SJ8653
 Westport Lake SJ8550
 WettonmillSK0956
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