

The sciarid fauna of the British Isles (Diptera: Sciaridae), including descriptions of six new species

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The results of a revision of the Sciaridae (Diptera: Nematocera) from the British Isles are presented, carried out as a preliminary to the preparation of a new Handbook for the identification of the British and Irish fauna of this family. A total fauna of 263 species is confirmed, including many species new to the British Isles: 111 new to Great Britain and 32 new to Ireland. *Epidapus* (*Pseudoaptanogyna*) *echinatum* Mohrig & Kozánek, 1992, hitherto known only from North Korea, is newly recorded from Europe. Six species are described as new to science: *Bradysia austera* Menzel & Heller sp. nov., *Bradysia ismayi* Menzel sp. nov., *Bradysia nigripina* Menzel sp. nov., *Corynoptera flavosignata* Menzel & Heller sp. nov., *Corynoptera uncata* Menzel & Smith sp. nov. and *Epidapus subgracilis* Menzel & Mohrig sp. nov. The following new synonymies are proposed: *Leptosciarella nigrosetosa* (Freeman, 1990) = *Leptosciarella truncatula* Mohrig & Menzel, 1997; *Sciara nursei* Freeman, 1983 = *Sciara ulrichi* Menzel & Mohrig, 1998. Many misidentifications in the previous literature are corrected. Details of the collection data and location of specimens examined are provided under each species. The localities from which Sciaridae were collected in the British Isles are documented by modern county and grid references and the habitat indicated where known, to assist in assessing the ecological requirements of each species. © 2006 The Linnean Society of London, *Zoological Journal of the Linnean Society*, 2006, 146, 1–147.

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INTRODUCTION

The Sciaridae are mostly small, dark-coloured gnats with a slender body, long legs and unmarked wings with a characteristic venation. They have until recently remained one of the least well-known families of Diptera in the British fauna. This is perhaps surprising given that the family includes a number of agricultural and horticultural pests. A firm taxonomic base is essential for the study of these pests. But their study has not been popular among British dipterists, both because of the perceived difficulty of identification and because of the rather uniform appearance of most members of the family.

The Sciaridae are related to the Mycetophilidae and other families included in the superfamily Sciaroidea

(formerly known as Mycetophiloidea) and were treated by many earlier authors as a subfamily of the Mycetophilidae. For this reason the English name fungus gnats, which was formerly applied to the whole group, has also been associated with them and has led to some confusion in the application of this name in the literature. More recently, they have been termed black fungus gnats or dark winged fungus gnats. The first of these terms is perhaps more appropriate as most species are predominantly black in colour, while only some of the larger and more obvious species are particularly dark winged. The German name *Trauermücken* (= mourning midges) also refers to their dark coloration and perhaps contrasts better with *Pilzmücken* (= fungus midges), the term used for other families of Sciaroidea. In addition, although some Sciaridae do develop in fungus fruiting bodies, this is by no means as frequent a life history as in the Mycetophilidae, in which it is the dominant life history.

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Some Mycetophilidae are also mainly black but other types of coloration are more common in the family.

Before the present study began, there was little idea of the size of the British fauna of Sciaridae owing to the relative neglect of the family by British dipterists. Any estimate of the size of a fauna always has a direct relationship with the number of specimens available for study by successive workers, which is itself a consequence of the number of active collectors and the geographical coverage they achieved. K. G. V. Smith (1974), describing the ways in which changes in knowledge of the British Diptera fauna have taken place, commented that when a neglected family is studied a great change in the British list is to be expected. He particularly applied this to the leaf-mining Agromyzidae, of which knowledge had exploded in the 1950s and 1960s.

For a little over 20 years there has been a Royal Entomological Society Handbook to the British species of Sciaridae (Freeman, 1983b). The publication of such a handbook can give the impression that a group is well known and this is reinforced when non-specialists tend to conclude that their specimens belong to a species included in the key. This assumption is, of course, often correct because the species most likely to be collected are the common species that are well characterized and have long been known to be British. But it has clearly led to many misidentifications in subsequent literature, as has been shown by the examination of specimens in the present study.

However, there was a 50% increase in the number of known British species in the 15 years from the publication of the handbook to that of the latest checklist of British Diptera (Chandler, 1998). This clearly demonstrated that knowledge of the British fauna was still at an early stage and the relative ease of finding further species in new collections demonstrated that use of the existing handbook could not be a reliable means of identifying British sciarids. Consequently, the project to prepare a revised handbook was launched.

Because of the large number of additional species that were found in British collections, including several new to science, it was considered that the present account of the material examined was a necessary preliminary step to the preparation of a new handbook. With the addition of 111 species in the present paper the fauna of the family in the British Isles is now confirmed to be 263, with 261 species found in Britain and 100 species in Ireland.

HISTORY OF SCIARID STUDIES IN THE BRITISH ISLES

An account of past work on the British fauna is necessary to put the present state of knowledge in perspective. As mentioned, the Sciaridae were sometimes

regarded as a subfamily of Mycetophilidae and had this status in much of the earlier literature. The first systematic treatment was by Walker (1856), who keyed 26 species placed in three genera. This was mainly followed in the first checklist of British Diptera (Verrall, 1888), which listed 27 species of Sciarinae in four genera with few differences. A further early systematic account was by Theobald (1892), who included only 14 species in four genera, but remarked that there were a large number of species of the genus *Sciara* found in England. His remark that Winnertz (1867) had described 175 species in his monograph of the European species showed that he understood the scale involved. In his revised checklist Verrall (1901) listed 33 species in five genera, again under Sciarinae, commenting on the Mycetophilidae as a whole that 'this family, though much improved, is still in a most unfinished condition' (p. 5). Verrall (1912) reinforced this when adding *Trichosia morio* (as *Sciara longiventris*) to the British list, when he wrote 'it is rather a farce to add a single species of *Sciara* to our lists, when at least 150 more species of this genus should occur in England' (p. 20).

There were no significant advances in knowledge into the early part of the 20th century. Edwards (1913b), in his earlier work on Mycetophilidae, did not cover Sciaridae and possibly at that time preferred to regard them as a separate family as indicated in Edwards (1922). However, they were again treated as a subfamily by Edwards (1925a) when he provided the only systematic account of the entire group that has yet appeared in the British literature. He did then acknowledge that they were far less well known than other groups of fungus gnats and recognized 45 species in eight genera, most species still being retained in the genus *Sciara*. One genus and species, *Pnyxia scabiei* (Hopkins), was then included by him in the tribe Leiini. When he later (Edwards, 1941) provided an update on the British fauna he omitted the Sciaridae, stating that he was preparing a separate more detailed revision. Sadly this 1941 paper appeared posthumously due to Edwards' premature death in 1940, so his planned work on Sciaridae was never completed.

Edwards was actively planning this sciarid revision in the 1930s and material was being gathered at the Natural History Museum with this in mind. Ralph Coe was Edwards' assistant at that time and the extensive material collected by him in Scotland was presumably obtained for this purpose. Coe compiled the section on Sciaridae in the subsequent checklist (Kloet & Hincks, 1945) and referred to the arrangement following the known views of F. W. Edwards. This checklist indicated a great increase in knowledge over previously published work as it included 89 species placed in only three genera, but with 12 subgen-

era of *Sciara* recognized. Much work on sorting material to species was evidently done by Edwards and there are many specimens in the BMNH collection with genitalia preparations made by Edwards. These are, as with preparations made by him in other families of Nematocera, mounted in Canada Balsam on a strip of celluloid attached to the same pin as the insect. A good number of the species newly added to the British list in the present work were first recognized in this way by Edwards, although not always determined by him. Freeman (1983b) generally excluded these species from consideration, probably because there was no slide-mounted material available.

There was no further increase in knowledge of the British sciarid fauna in the next checklist of British Diptera (Kloet & Hincks, 1976). The Sciaridae list for this was again based on the BMNH collection and was compiled by Tony Hutson, who reduced the list to 85 named species plus seven unnamed species. However, the generic classification was revised following the monograph of the Finnish species by Tuomikoski (1960), which formed the basis for modern views on generic definitions in the family; 17 genera were recognized, several of them divided into subgenera, while 12 species remained unplaced generically. In both the 1945 and the 1976 lists the identity of several species was queried.

The identification of the British species of the family was still not practicable and this gap in the British literature remained until Paul Freeman embarked on the preparation of a Royal Entomological Society Handbook to the British species, published in 1983. In this work Freeman stated that it was based on the layout of species in the BMNH collection, 'which is a record of Edwards' work and views.' However, he made no suggestion that any manuscripts or notes on the family had been left by Edwards. Freeman (1983b) used the 1976 checklist as a basis for the species included and also followed the generic classification proposed by Tuomikoski (1960). Although this classification has been modified and refined by later work in Europe, it nevertheless provided a firm basis for further work on the British fauna. Freeman provided keys to 99 species in 18 genera, mentioning two additional doubtful species so that 101 species were claimed in the included checklist.

During the course of the present work, the BMNH collection has been fully revised, resulting in correction of some records cited by Freeman (1983b). As indicated above it was evident that Freeman had based his work principally on the slide-mounted collection. He did make fresh slides from pinned specimens of species where none was already available and cited some other distribution data from the pinned collection. However, it was apparent that he made no

attempt to revise fully the pinned collection and consequently overlooked the presence of many species. In addition to the species already recognized as distinct by Edwards, it was also found that most longer series were mixed and there was a potential for recognizing a larger fauna at the time.

The appearance of Freeman's Handbook did, nevertheless, lead to an increase in interest in the family among British dipterists and further species rapidly came to notice in freshly collected material. Subsequent papers (Freeman, 1987, 1990; Ashe & O'Connor, 1991; Hippa & Vilkkamaa, 1994; Laurence, 1994; Laurence & James, 1996; Mohrig & Menzel, 1997) added 25 further species. During this period knowledge of the family in Europe was proceeding rapidly and many of the species already added or recognized here as new to the fauna were not distinguished at the time the handbook was written.

This increase in knowledge of the family since 1983 was summarized by the account in the most recent checklist (Menzel, 1998), in which species were added that were known to be represented by British material in collections but had not previously been published as British. The main sources of these additions were the private collections of Brian Laurence and Phil Withers, who had both been actively gathering sciarids in the preceding decade. In the checklist there was a net gain of 29 species, bringing the total list to 153; one of these (*Scatopsiara pusilliformis* Mohrig & Mamaev) was later sunk in synonymy. The most significant aspect of the 1998 list was the large number of nomenclatural changes resulting from the examination of types, details of which were later published in the monograph of the Palaearctic species by Menzel & Mohrig (2000). Apart from many generic changes, this also involved changes in specific names for about one-third of the species included in the 1983 Handbook. Little has hitherto been published on the British status of the species added in the checklist apart from the account of *Bradysia lutaria* (Winnertz) by White & Smith (2000). Chandler *et al.* (2002) added a further three species from both Britain and Ireland.

The Irish sciarid fauna has remained very poorly known even compared with that of Britain, although Haliday (1833) provided some early records and Walker (1856) summarized the distribution by indicating national occurrence, citing 15 species from Ireland. This had only increased to 35 when occurrence in Ireland was similarly indicated in the 1998 checklist. Recently, a further 37 species were added, with some deletions giving a net total of 68 species (Chandler *et al.*, 2002; Withers, 2002).

There has been a recent increase in recording of the smaller species, which are not readily obtained by netting and for which passive trapping techniques such as Malaise traps and water traps are more effective.

The increased use of these techniques in recent years has, to a large extent, been responsible for these additions, many of which are reported here for the first time. The wetland surveys carried out in Wales and East Anglia, mainly using water traps and the Malaise trap surveys of some ancient forest areas, such as Epping Forest and Burnham Beeches, have resulted in the capture of many interesting additions to the British fauna.

All of the collections examined in the course of the present work have added species not seen from other sources and the rate of additions to the known fauna has not diminished throughout the 3–4 years of this study. The substantial increase in number of species over the 1983 Handbook and the 1998 checklist and the fact that so many of these are still known from relatively few records (individuals or localities) suggests that the actual number of species resident in the British Isles cannot yet be accurately assessed. The German fauna of 370 species is still being added to from new collections, with frequent description of new species. It is therefore expected that examination of further collections and coverage of more habitats and regions will add further species. Another reason why we think that there must be more species in the British Isles is because there are several species missing from our list that are widespread throughout Europe and usually occur frequently (e.g. *Bradysia meigeni* (Rübsaamen, 1894); *B. procera* (Winnertz, 1868); *Corynoptera boletiphaga* (Lengersdorf, 1940); *C. tridentata* Hondru, 1968; *Ctenosciara lutea* (Meigen, 1804); *Epidapus detriticola* (Kratochvil, 1936); *Phytosciara macrotricha* (Lengersdorf, 1926); *Scatopsiara curviforceps* (Bukowski & Lengersdorf, 1936) and *Sciara analis* Schiner, 1864). A total British fauna in excess of 300 species now seems within reach. However, the characterization of species in the new Handbook under preparation will, we hope, ensure that any species subsequently found but not yet included can be detected more reliably than has hitherto been practicable for British workers.

THE COLLECTIONS EXAMINED

It was necessary to examine material of all species previously recorded from the British Isles, and, as mentioned above, the collection of the Natural History Museum, London (BMNH) was most important in this respect. This resulted in a number of corrections and also some taxonomic and nomenclatural changes, which are indicated under the relevant species.

The examination of other museum collections has been more limited, mainly because they comprise mostly older collections of dry pinned material. However, the entire collections of the National Museums of Scotland, Edinburgh (NMS) and the National

Museum of Ireland, Dublin (NMID) were revised. A small amount of material from the Ulster Museum, Belfast (UMB) was also identified. Examination of material in the Hope Department of Entomology, Oxford University Museum (UMO) was limited to species that could be confirmed without preparation. Much work is still required on the collection there and on other major museum collections. The private collections of several British dipterists have also been fully covered, including those of the authors and of Brian Laurence, Phil Withers, David Gibbs and Jonathan Cole.

The Edinburgh collection mainly comprised the material reared from nests of birds and mammals by E. B. Basden. Basden had referred specimens to Edwards for identification and some of those named by Edwards had been deposited in BMNH but the bulk of his material remained in his private collection, which went to NMS on his death. The revision of this material has been particularly useful from the biological point of view and it is indicated where present identifications differ from those published by Basden (1933).

Much of the data presented here is based on recently collected material. Frank Menzel and Jane Smith have both collected sciarids in several parts of England in recent years and their slide-mounted material is held at their respective institutions (DEI, HRI). This material was collected from areas with several suitable localities in Devon, Gloucestershire, Leicestershire, Herefordshire, Oxfordshire, Shropshire, Staffordshire, Warwickshire, West Midlands and Worcestershire to improve the data for a new handbook.

Frank Menzel has determined in entirety the slide-mounted collection of Brian Laurence, which will now be deposited at UMO apart from some type material that will be placed at BMNH as indicated in his papers. Frank Menzel also checked some slide-mounted specimens from the private collection of Patrick Roper and a large part of the slide-mounted collection of Phil Withers, including much of the Welsh wetland material. He also determined and mounted on slides the alcohol-preserved material obtained by M. de Courcy Williams at the Gearagh, County Cork and this material will be deposited at DEI and NMID. Frank Menzel also similarly processed samples recently obtained by J. W. Ismay & B. Schulten at Chigwell Row Wood LNR and on Salisbury Plain (DEI, UMO).

Most of the material from glasshouses, mushroom cultivation and plant compost was collected by E. S. Binns, P. A. Buxton, B. Gurney, N. W. Hussey, W. J. Parr, J. E. Smith, E. R. Speyer and P. F. White. Many of the older specimens from the literature (e.g. Binns and Buxton) were found in the collection of HRI. Newer material came from farms and nurseries

throughout the UK. All of these specimens were revised by Jane Smith and Frank Menzel and are in the collections of DEI and HRI.

The collections of P. J. Chandler, D. J. Gibbs and J. H. Cole were determined by Peter Chandler but all critical material, including examples of all species additional to the British fauna, was referred to Frank Menzel for verification. These collections are mainly pinned, but often male genitalia, and in the case of the first two collections many whole specimens, are mounted in DMHF (dimethyl hydantoin formaldehyde) on glass cover slips glued to card, the specimen usually placed above a round hole in the card formed using a hole punch. Some material from P. J. Chandler's collection has been deposited at NMS and NMID.

A full list of the collectors whose names appear on labels is given below. Many of these relate to museum specimens or to material referred for identification to one of us or to Brian Laurence or Phil Withers. For example, material from the East Anglian wetland survey (collected by A. Foster and D. Procter) was initially determined by Brian Laurence and that from the Welsh wetland survey (collected by D. Boyce, P. Holmes and D. Reed) was dealt with by Phil Withers. The Malaise trap material from Epping Forest and Burnham Beeches, for which J. Dagley and J. W. Ismay were, respectively, the collectors, was similarly processed by Peter Chandler. In all cases the data given for individual specimens includes indication of both the collector and the collection in which the specimens are deposited.

A list is also given of all localities from which specimens have been examined. Because of the way in which these data were initially assembled it proved most practical to group these under the latest county boundaries, with some flexibility where counties have recently been divided into several unitary authorities (e.g. Avon and Berkshire are retained as entities for convenience). Where there has been a change in the county assignment of a locality the previous county name is indicated to assist in relating to the information on data labels. For each locality the precise location and habitat have been identified as far as practicable. In the case of recently collected specimens such information has been obtained from the collectors where it was not already stated on the label. For older museum material data given on labels is often not very precise and in these cases grid references are only given or habitats suggested where these could be reliably estimated.

MATERIAL AND METHODS

Sciarid specimens from throughout the British Isles were examined and identified to species level – a total

of 14 987 specimens were checked and recorded. These comprised 12 529 males, 2419 females, five pupae and 34 larvae. The females, pupae and/or larvae (including reared material) were only included in the species list when they were positively identified to species. Correct identifications were made by comparison against specimens from the authors' collections when necessary. The results established that the sciarid fauna of the British Isles has, to date, a total of 263 species. These are included in the following genera: *Bradysia* (74 species), *Bradysiopsis* (1), *Camptochaeta* (5), *Claustropyga* (3), *Corynoptera* (55), *Cratyna* (20), *Ctenosciara* (1), *Epidapus* (8), *Hyperlasion* (1), *Leptosciarella* (16), *Lycoriella* (14), *Phytosciara* (7), *Pnyxia* (1), *Pseudolycoriella* (6), *Scatopsiara* (22), *Schwenckfeldina* (1), *Sciara* (6), *Scythropochroa* (2), *Trichodapus* (1), *Trichosia* (11), *Xylosciara* (6) and *Zygoneura* (2).

The nomenclature and sytematics used are based on the revision by Menzel & Mohrig (2000) and Menzel & Heller (2005). The morphology of the adults and the terminology (naming and description of characteristics of Sciaridae, technical terms) comply with Menzel & Mohrig (1997b, 2000).

COLLECTIONS AND ABBREVIATIONS

This investigation included British Sciaridae from the following collections:

- BMNH The Natural History Museum, London, England, Great Britain (loans via Dr B. R. Pitkin, B. C. Townsend, J. Chainey, N. Wyatt)
- DEI Deutsches Entomologisches Institut, ZALF e.V., Müncheberg (former Eberswalde), Germany (incl. private collection Dr Frank Menzel, Eberswalde)
- HRI Horticulture Research International, Wellesbourne, England, Great Britain
- NMID National Museum of Ireland, Dublin, Ireland (loan via Dr M. de Courcy Williams, Dr J. P. O'Connor)
- NMS National Museums of Scotland, Edinburgh, Scotland, Great Britain (loan via Dr G. E. Rotheray)
- PBLN Private collection Brian R. Laurence, Northumbria, England, Great Britain [formerly School of Biological Sciences, University of East Anglia, Norwich] (loan via B. R. Laurence to be deposited in UMO)
- PDGB Private collection David J. Gibbs, Bristol (loan via D. J. Gibbs)
- PJCB Private collection Jonathan H. Cole, Brampton, Cambridgeshire, Great Britain (loan via J. H. Cole)
- PPCM Private collection Peter J. Chandler, Melksham, England, Great Britain

- PPRS Private collection Patrick Roper, Sedlescombe, East Sussex, England, Great Britain (loan via P. Roper)
- PPWM Private collection Phil Withers, Montée du Cimetière, Sainte Euphémie, France (loan via P. Withers)
- UMB Ulster Museum, Belfast, Northern Ireland (loan via R. Nash)
- UMO Oxford University Museum of Natural History, Oxford, Oxfordshire, Great Britain
- ZFMK Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn, Germany (loan via Dr H. Ulrich)

In addition, three collections need to be mentioned that have no Sciaridae material from the British Isles. The type material from newly described species, collected in other European countries, are held in these collections:

- NKME Naturkundemuseum der Stadt Erfurt, Erfurt, Germany (loan via M. Hartmann)
- PKHH Private collection Kai Heller, Heikendorf (Germany) (loan via K. Heller)
- PWMP Private collection Prof. Dr Werner Mohrig, Poseritz, OT Puddemin, Germany (loan via Prof. Dr W. Mohrig)

COLLECTORS

As collectors' initials are omitted in the list of data (except in cases where there is more than one collector with the same surname), they are given below:

D. M. Ackland, F. C. Adams, A. Al-Amidi, P. Ashe, E. C. M. d'Assis-Fonseca, E. W. Aubrook, E. E. Austen, M. A. Austin, T. Bainbridge-Fletcher, C. J. G. Baker, Barnston (initials unknown), E. B. Basden, E. G. Bayford, A. Beaumont, B. P. Beirne, H. E. J. Biggs, E. S. Binns, N. L. Birkett, R. Blackith, K. G. Blair, K. P. Bland, M. Boston, P. A. Bottomley, D. Boyce, E. S. Bradford, R. C. Bradley, C. T. H. Bradshaw, H. Britten, J. Brock, G. Brown, J. Buller, E. Burt, H. Bury, P. A. Buxton, A. Calvert, A. Cant, A. E. J. Carter, D. J. Carter, J. E. Chainey, S. J. Chambers, P. J. Chandler, C. A. Cheetham, G. A. Clout, R. L. Coe, M. Cohen, J. H. Cole, L. W. Cole, M. J. Collier, J. E. Collin, F. Collins, C. N. Colyer, J. Cooter, J. Coulson, M. de Courcy Williams, J. Cowley, P. S. Cranston, R. Crossley, J. Dagle, C. W. Dale, J. P. Dear, R. H. L. Disney, W. L. Distant, H. StJ. K. Donisthorpe, C. M. Drake, Dudgeon (initials unknown), A. B. Duncan, R. Dunne, C. E. Dyte, K. M. Edelsten, F. W. Edwards, C. Elbourn, W. Elstow, P. Entwistle, R. E. Evans, M. Eyre, J. W. Fidler, A. Foster, A. Fox-Wilson, P. Freeman, J. C. F. Fryer, R. S. George, D. J. Gibbs, D. R. Giffard, P. A. Goddard, A. Godfrey, J. Good, J. G. Gordon, A. Gordon-Smith, W. R. Grant, E. E. Green, L. W. Grensted, P. H. Grimshaw, B. Gurney, D. Hackett, J. N. Halbert, G. D.

Hale-Carpenter, H. M. Hallett, A. H. Hamm, K. M. Harris, D. J. de C. Henshaw, B. M. Hobby, W. G. Hoff, P. Holmes, E. Holmes-Smith, M. Howe, E. Hurrell, C. P. Hurst, N. W. Hussey, A. M. Hutson, J. W. Ismay, D. J. Jackson, E. A. Jarzembowski, F. Jenkinson, H. P. Jones, M. Jones, T. J. Jordan, D. Keilin, D. K. Kevan, J. J. F. X. King, D. L. Lack, R. P. Lane, Latham (initials unknown), B. R. Laurence, B. Levey, A. M. Low, M. Luff, I. MacGowan, I. F. G. McLean, J. R. Malloch, G. Mansbridge, F. Menzel, R. K. Merrifield, H. W. Miles, C. Moreby, C. Morley, J. Mousley, R. Nash, R. Newstead, C. Nicholson, G. E. Nixon, C. G. Nurse, J. P. O'Connor, M. O'Connor, J. A. Owen, L. Parmenter, W. J. Parr, M. Pavett, K. Paviour-Smith, E. C. Pelham-Clinton, J. F. Perkins, I. Perry, A. Piffard, C. G. Piffard, A. R. Plant, C. W. Plant, C. M. Port, K. Porter, D. Procter, C. H. W. Pugh, M. N. Pugh, B. Rands, C. Raper, D. Reed, J. C. Reid, O. W. Richards, N. Riddiford, Robinson (initials unknown), Rochford (initials unknown), P. Roper, G. E. Rotheray, N. C. Rothschild, W. M. Russell, B. Schulten, M. J. Service, D. Sharp, M. R. Shaw, I. Sims, P. Skidmore, J. E. Smith, K. G. V. Smith, M. C. D. Speight, E. R. Speyer, G. M. Spooner, W. H. Staunton, P. Stephens [also written as P. Stevens], G. H. H. Stokes, M. Storey, A. E. Stubbs, D. Sumner, T. H. Taylor, F. V. Theobald, I. Thomas, J. Topham, B. C. Townsend, R. W. J. Uffen, R. I. Vane-Wright, C. R. Vardy, G. H. Verrall, F. Walker, T. de G. (Lord) Walsingham, A. Warne, J. Warner, J. Warwick, C. O. Waterhouse, A. R. Waterston, J. Waterston, J. H. Watson, M. A. Watson, J. A. Webb, W. Wesche, B. Wheeler, P. F. White, O. H. Wild, C. B. Williams, S. A. Williams, P. Withers, J. H. Wood, B. Woodcock, N. P. Wyatt, P. Wycherley, J. W. Yerbury.

HABITAT DESCRIPTIONS

- Bog:** colloquial term for ombrotrophic mire (see under mire). They receive nutrients only from precipitation (oligotrophic) so are poorly fed. **Blanket bog:** large area of peat. **Raised bog:** dome-shaped peat bog that has developed in a former lake on a peat fen once the mineral-rich water supply has been cut off. **Breckland heath:** dry, sandy grass heath of Breckland, in East Anglia, with thin patterned sands overlying chalk. Some Breckland heaths are a mix of acidic and chalk-dependent plants, often growing within inches of each other.
- Carr:** an un-managed fen where small shrubs and trees start to grow, leading to the natural creation of carr woodland.
- Fen:** the first stage in the natural change, or succession, from open water to woodland. Waterlogged areas of land dominated by reeds, rushes and sedges, fens form a complicated system of plant and animal communities with a mineral-rich water supply in part at least from the groundwater table (geotrophic).

Grikes: the gaps between limestone rocks formed by water erosion.

Hanger: a wood growing on the side of a hill.

Heath: wide open landscape dominated by heathers, gorse and grasses with occasional trees such as pine and silver birch. The soil is usually sandy and thus acid, dry in summer and prone to fires. Wet heaths occur where underlying rocks or clay prevent water drainage so the water table is high; dry heaths are free draining and humid heaths are between the two.

Mire: a wetland that supports vegetation that is peat forming. Basin mire is a type of fen formed in a shallow hollow left by glacial drift; ombrotrophic mire has its water and nutrient supply directly from rainfall.

Moor: open, semi-natural habitat with dwarf shrub heaths often intermixing with farmland. It includes dry and wet heaths, blanket and raised bogs, valley mire and rough grassland.

Montane: mountainous.

Tufa: a limestone deposit that forms on cliffs, caves and quarry faces where limestone is naturally occurring. This rock can form very quickly if conditions are favourable. Plants, mosses and invertebrates often become encrusted in the calcite, and preserved as fossils.

Turlough: a flat-bottomed sinkhole in limestone areas that can be seasonally flooded.

LATIN AND COMMON NAMES OF FLORA AND FAUNA ASSOCIATED WITH HABITATS

Trees: alder, *Alnus glutinosa*; ash, *Fraxinus excelsior*; aspen, *Populus tremula*; beech, *Fagus sylvatica*; birch, *Betula (pendula)*; blackthorn, *Prunus spinosa*; cork oak, *Quercus suber*; cypress, *Chamaecyparis lawsoniana*; elder, *Sambucus nigra*; elm, *Ulmus* species; fir, *Abies* species; hawthorn, *Crataegus monogyna*; hazel, *Corylus avellana*; holly, *Ilex aquifolium*; hornbeam, *Carpinus betulus*; horse chestnut, *Aesculus hippocastanum*; large-leaved lime, *Tilia platyphyllos*; lime, *Tilia* species; maple, *Acer campestre*; mountain ash, *Sorbus aucuparia*; pedunculate oak, *Quercus robur*; pine, *Pinus* species; poplar, *Populus nigra*; sea buckthorn, *Hippophae rhamnoides*; spruce, *Picea abies*; sycamore, *Acer pseudoplatanus*; wild olive, *Olea europaea*; willow, *Salix* species.

Other plants and flowers: agrimony, *Eupatorium*; bilberry, *Vaccinium myrtillus*; black bog rush, *Schoenus nigricans*; bluebell, *Hyacinthoides nonscripta*; bog-bean, *Menyanthes trifoliata*; bog myrtle, *Myrica gale*; bramble, *Rubus fruticosus*; butterbur, *Petasites hybridus*; buttercup, *Ranunculus* species; cabbage thistle, *Cirsium oleraceum*; cinquefoil, *Potentilla* species; com-

mon mallow, *Malva sylvestris*; foxglove, *Digitalis purpurea*; hair grass, *Deschampsia* species; heather, *Calluna vulgaris*; hoary ragwort, *Senecio erucifolius*; hogweed, *Heracleum sphondylium*; horsetails, *Equisetum* species; ivy, *Hedera helix*; ivy broomrape, *Orobanche hederaceae*; marsh marigold, *Caltha palustris*; moss campion, *Silene acaulis*; nettle, *Urtica dioica*; purple moor grass, *Molinia caerulea*; ragwort, *Senecio jacobaea*; reed, *Phragmites*; reed mace, *Typha*; rhubarb, *Rheum raphaniticum*; royal fern, *Osmunda*; rushes, *Juncus* species; sea kale, *Crambe maritima*; sedges, *Carex*, *Cladium*, *Trichophorum*; thistle, *Cirsium* species; guelder rose, *Viburnum lantana*; water dropwort, *Oenanthe* species; wild parsnip, *Pastinaca sativa*; wood anemone, *Anemone nemorosa*.

Fungi: *Agaricus campestris*, *Agrocybe praecox*, *Amanita muscaria*, *A. rubescens*, *Auricularia mesenterica*, *Bjerkandera adusta*, *Calocybe gambosa*, *Collybia dryophila*, *Grifola gigantea*, *Ganoderma applanatum*, *Gymnopilus junonius*, *Hebeloma* species, *Hirneola auricula-judae*, *Hypholoma fasciculare*, *H. velutinum*, *Hypoxylon fragiforme*, *H. rubiginosum*, *Inonotus cuticularis*, *I. hispidus*, *I. nodulosus*, *I. radiatus*, *Kuehneromyces mutabilis*, *Lactarius* species, *Laetiporus sulphureus*, *Leccinum scabrum*, *Lepiota cristata*, *Peziza carnea*, *P. vesiculosa*, *Phaeolus schweinitzii*, *Piptoporus betulinus*, *Pleurotus cornucopiae*, *P. ostreatus*, *Polyporus squamosus* and other *Polyporus* species, *Russula alutacea*, *R. atropurpurea*, *R. pectinata*, *R. vesca*, *Sparassis crispa*, *Stereum sanguinolentum*, *Trametes versicolor*.

Invertebrates: ants, *Formica rufa*, *Lasius fuliginosus*, *L. niger*, *Myrmica ruginodis*; beetles, *Hylesinus fraxini*, *Ischnomera caerulea*; slug, *Testacella* species.

Birds: barn owl, *Tyto alba*; blackbird, *Turdus merula*; blue tit, *Parus caeruleus*; coot, *Fulica atra*; dunnoek, *Prunella modularis*; house sparrow, *Passer domesticus*; linnnet, *Carduelis cannabina*; little owl, *Athene noctua*; magpie, *Pica pica*; moorhen, *Gallinula chloropus*; robin, *Erithacus rubecula*; rook, *Corvus frugilegus*; sand martin, *Riparia riparia*; song thrush, *Turdus philomelos*.

Mammals: brown rat, *Rattus norvegicus*; common shrew, *Sorex araneus*; dormouse, *Muscardinus avellanarius*; field mouse, *Apodemus sylvaticus*; grey squirrel, *Sciurus carolinensis*; hedgehog, *Erinaceus europaeus*; mole, *Talpa europaea*; rabbit, *Oryctolagus cuniculus*.

LOCALITIES

There have been many changes in county names and borders since 1954 and there is considerable confusion in some areas between postal addresses and counties.

Where a change in boundary had occurred, former counties have been included and are given in []. Where available, both details of the habitat and the approximate Ordnance Survey Landranger grid references – in () – have been given. In many cases the specimens were collected too long ago for this information to be available.

ENGLAND

AVON (the former county now comprising the unitary authorities of Bath and North East Somerset, North Somerset, City of Bristol and South Gloucestershire)

- Blaise Wood [Gloucestershire] (ST5577) broad-leaved woodland
 Bristol, Redfield [Gloucestershire] (ST6173) garden of D. J. Gibbs
 Bristol, Trooper's Hill [Gloucestershire] (ST6273) acid grassland and heath
 Brown's Folly [Somerset] (ST7965) calcareous broad-leaved woodland
 Burlidge Hill [Somerset] (ST5959) neutral grassland
 Cleeve Heronry [Somerset] (ST4666) calcareous broad-leaved woodland
 Coombe Dingle [Gloucestershire] (ST5577) broad-leaved woodland
 Emerson's Green [Gloucestershire] (ST6776) pasture, hedgerow
 Folly Farm [Somerset] (ST6060) neutral broad-leaved woodland
 Gordano, Walton Moor [Somerset] (ST4372) herb-rich grassland
 Hengrove Park [Somerset] (ST5968) wasteland and scrub
 Leigh Wood [Somerset] (ST5573) calcareous broad-leaved woodland
 Lord's Wood [Somerset] (ST6363) mixed woodland
 Middle Hope [Somerset] (ST3366) calcareous grassland
 Monk Wood [Somerset] (ST7570) calcareous broad-leaved woodland
 Nailsea [Somerset] (ST4770) moorland
 Purn Hill [Somerset] (ST3357) calcareous grassland
 Tickenham Hill [Somerset] (ST4472) calcareous broad-leaved woodland and grassland
 Weston Big Wood [Somerset] (ST4574) calcareous broad-leaved woodland

BEDFORDSHIRE [= Beds.]

- Begwary Brook (TL1656) marsh, rough grassland and scrub
 Biggleswade (TL1944)
 Bromham (TL0151) reared from fungi
 Cardington (TL0847)
 Flitwick Moor (TL0435) valley mire with acid and neutral carr

- Luton Airport (TL1120) calcareous grassland on steep bank near runway
 Maulden Wood (TL0739) mixed wood on Lower Greensand
 Old Warden (TL1343) reared from fungi
 Sandy (TL1749)
 Sandy Warren (TL1948) broad-leaved woodland on Lower Greensand
 Sharpenhoe, woods at south end (TL0629) broad-leaved woodland
 Sharpenhoe, The Clappers (TL0630) beech woodland
 Shefford (TL1438)
 Tempsford (TL1654)
 BERKSHIRE [= Berks.]
 Aldermoor (SU7774) damp broad-leaved woodland
 Ashley Hill (SU8281) mixed woodland
 Barkham, reared from fungus
 Binfield (SU8471)
 Bucklebury Common (SU52-55/69-70) broad-leaved woodland
 Burghfield Common (SU6567) broad-leaved woodland
 Calcot (SU6671) floodplain meadow
 California Country Park (SU7865) carr and mixed drier woodland
 Carbins Wood (SU5668) broad-leaved woodland
 Cock Marsh (SU8886) water meadows
 Dinton Pastures Country Park (SU77-78/71-72) carr woodland (Sandford Copse), wooded bank of River Loddon, water meadows and gravel pits, old hedges (Mortimer's Meadow)
 Hambleden Weir (SU7884) reared from nests
 Hungerford (SU3368)
 Lodge Wood (SU7873) broad-leaved woodland
 Maidenhead (SU88) mushroom farm
 Newbury (SU46) reared from nests
 Pearman's Copse (SU7369) broad-leaved woodland
 Pine Wood (SU8365) acid mixed woodland
 Pinkney's Green (SU6682) reared from nests
 Searles Farm (SU67) carr woodland by gravel pit lakes (SU6970), carr by river Kennet (SU6871)
 Silwood Park (SU9468) mixed woodland
 Temple (SU8384) reared from nests
 Thatcham (SU5166) reed (*Phragmites*) bed
 Theale (SU6469-6570) carr woodland and ash coppice
 Theale, Sheffield Bottom (SU6469) broad-leaved woodland between lakes and canal
 Theale Lake (SU6870) partly wooded lake margin
 Warren Row (SU8180) reared from nests
 Wildmoor Heath (SU8257) heathland and mixed woodland
 Windsor Forest (SU9274-9373) ancient oak and beech forest

- Windsor Great Park (SU97) parkland with ancient oaks
 Wokefield Common (SU6566) broad-leaved woodland and heathland
- BUCKINGHAMSHIRE [= Bucks.]
 Beaconsfield (SU99) reared from nests
 Black Park (TQ0184) mixed woodland
 Bockmer End (SU8287) reared from nests
 Boveney and Boveney Lock (SU9477) wooded banks of river
 Brockhurst Wood (SU9684) broad-leaved woodland
 Burnham and East Burnham (SU98) reared from nests
 Burnham Beeches (SU9485, SU9584, SU9585) ancient beech woodland, bog, heath
 Cliveden (SU9083) broad-leaved woodland
 Collum Green, reared from nests
 Dancer's End (SP9009) broad-leaved woodland
 Dropmore (SU9387) reared from nests
 Farnham Common (SU9685) reared from nests
 Farnham Royal (SU9683) reared from nests
 Fawley (SU7687) reared from nests
 George Green (TQ0081) reared from nests
 Gerrard's Cross (SU9987) reared from nests
 Great Missenden (SP9102) mushroom farm
 Greenlands (SU7886) reared from nests
 Hambleden Great Wood (SU7987) broad-leaved woodland
 Iver Heath (TQ0383) reared
 Ivinghoe (SP9416) calcareous grassland
 Medmenham (SU8184) reared from nests
 Milton Keynes
 Old Slade Wood (TQ0378) broad-leaved woodland
 Seer Green (SU9792) reared from nests
 Slough
 Stoke Common (SU9885) broad-leaved woodland
 Stoke Court Park (SU9783) woodland and parkland
 Stoke Poges (SU9883) broad-leaved woodland
 Stoke Poges, Hollybush Hill (SU9984) broad-leaved woodland
 Stoke Wood (SU9785) broad-leaved woodland
 Taplow (SU9283)
 The Coombe (SP9615–9715) broad-leaved woodland
 Turville Heath (SU7491) broad-leaved woodland and grassland
 Wexham Place Wood (SU9984) broad-leaved woodland
- CAMBRIDGESHIRE [= Cambs.]
 Abbot's Ripton, Bevills Wood [Huntingdonshire] (TL2079) mixed woodland on clay
 Alconbury [Huntingdonshire] (TL1874) ditch along meadow hedge
 Archers Wood [Huntingdonshire] (TL1781) broad-leaved woodland on clay
 Aversley Wood (TL1782) broad-leaved woodland
 Babraham (TL5150)
- Badger Wood (TL3259) broad-leaved woodland
 Bedford Purlieus [Northamptonshire] (TF0300–TL0499) broad-leaved woodland with stream
 Beech, Devil's Ditch (TL66) calcareous grassland
 Bone Mill Hollow (TF0301)
 Brampton, Lenton Close [Huntingdonshire] (TL2169) house and garden of J. H. Cole
 Brampton, Ouse flood meadow [Huntingdonshire] (TL2169) rough grazing meadow and ditches
 Brampton, Portholme Meadow [Huntingdonshire] (TL2370) ditch with old willow
 Brampton Wood [Huntingdonshire] (TL1870) ancient woodland on clay
 Cambridge (TL4559)
 Chippenham Fen (TL6468-6568) fen and carr woodland
 Earith Gravel Pits [Huntingdonshire] (TL3976) scrub and rough grassland by pits
 Gamlingay Wood (TL2453) ancient broad-leaved woodland on clay and sandy loam
 Godmanchester, Osier Lake [Huntingdonshire] (TL2672) carr, marsh and pond
 Grafham Water, Savage's Creek [Huntingdonshire] (TL1369) stream through marsh into reservoir
 Hayley Wood (TL2953) ancient broad-leaved woodland
 Hemingford [Huntingdonshire] (TL2871)
 Hinchingsbrooke Country Park [Huntingdonshire] (TL2171) mixed woodland
 Holme Fen [Huntingdonshire] (TL2089) scrub and *Sphagnum* bog
 Holme Fen, Denton Covert [Huntingdonshire] (TL1989) dry birch woodland on peat
 Kirtling (TL6957)
 Lady's Wood [Huntingdonshire] (TL2482) fragment of ancient woodland
 Little Paxton Pits [Huntingdonshire] (TL1963) rough grassland and scrub
 Monkfield Wood (TL3259) broad-leaved woodland
 Monk's Wood [Huntingdonshire] (TL1979-80) ancient woodland on clay
 Newmarket (TL6162)
 Oakland Wood (TL3159) broad-leaved woodland
 Perry West Wood [Huntingdonshire] (TL1366) broad-leaved woodland
 Raveley Wood [Huntingdonshire] (TL2481) ancient woodland on clay
 St. Ives, Holt Island [Huntingdonshire] (TL3171) willow carr
 Shepreth (TL3948) reared from fungus
 Sutton Fen (TL4078) fen
 Sutton Wash (TL4178) grazing marsh on Ouse Washes
 The Oaks (TL3159) broad-leaved woodland
 Upware (TL5470)

- Upwood Meadow [Huntingdonshire] (TL2582) unimproved grassland and hedges
 Wansford Meadow [Northamptonshire] (TL0799) limestone grassland with flush
 Warboys, Pingle Cutting [Huntingdonshire] (TL3181) grassland and scrub
 Warboys, Pingle Wood [Huntingdonshire] (TL3181) ancient woodland on clay
 Warboys, Wistow Wood [Huntingdonshire] (TL2982) ancient woodland on clay
 Warboys Wood [Huntingdonshire] (TL3082) broad-leaved woodland on clay
 Welches Dam (TL4786) within Ouse Washes bird hide
 Wennington Wood [Huntingdonshire] (TL2478) broad-leaved woodland on clay
 Wicken Fen (TL5570) fen meadows and ditches
 Woodditton Wood (TL6658) broad-leaved woodland
 Woodwalton Fen [= Wood Walton; Huntingdonshire] (TL2283-84) fen and alder carr
- CHESHIRE**
 Arden Hall (SJ7683)
 Bollin Valley (SJ78)
 Chester
 Cotterill Clough (SJ8083)
 Delamere (Forest) (SJ5471) broad-leaved woodland and conifer plantations
 Longdendale [most of this valley is in Derbyshire] (SK0499)
 Poulton (SJ4059)
 Rostherne (SJ7483)
 Warrington (SJ6088)
- CORNWALL**
 Bodmin (SX0768)
 Caerhays Castle (SW9741)
 Caerkief Farm and Wood (SW7752, SW7852)
 Coombe, woods to north (SS2112-2211) broad-leaved woodland with stream
 Cottage Meadow, Redlake
 Croft Pascoe Pool (SW7319)
 Devichoys Wood (SW7738) broad-leaved woodland
 Glendurgan (SW7727)
 Goonvrea (SW7150)
 Gurnard's Head (SW4338)
 Gweek Wood (SW7026) coastal broad-leaved woodland
 Hayle Kimbro Pool (SW6917) wooded margin
 Helston (SW6627)
 Kennack Cove (SW7316) coastal broad-leaved woodland
 Land's End (SW3425) vegetable detritus on cliff top with salty spray
 Lelant (SW5437)
 Maen Porth (SW7829)
 Mevagissey (SX0145)
 Nanjizal Cove (SW3523)
- Paramoor Wood (SW9748) broad-leaved woodland
 Pentewan (SX0147) alder woodland
 Penzance (SW4730)
 Redmoor (SX0761) heath grassland and scrub
 Rosevear (SW7024) wooded cottage garden
 Shevioc (SX3755)
 St. Erth (SW5535)
 St. Ives (SW5038) mushroom farm
 Scilly Isles, Tresco (SV9015)
 Tintagel (SX0488) cliff grassland
 Tregardock Cliff (SX0483)
 Tresillian (SW8546) broad-leaved woodland
 Valency Valley (SX1091-1190) broad-leaved woodland
- CUMBRIA**
 Bleathwaite Coppice (SD2995) broad-leaved woodland
 Blelham Bog [Lancashire] (NY3600)
 Brigsteer Park [Westmorland] (SD4887)
 Burton Wood
 Clifton [Cumberland] (NY5326)
 Dent (SD5187)
 Dun Fell [Cumberland] (NY7532)
 Fish House Moss [Lancashire] (SD3382)
 Gait Barrows [Westmorland] (SD4877) broad-leaved woodland on limestone pavement
 Grange-over-Sands [Lancashire] (SD4077)
 Great Ellerside [Lancashire] (SD3586) broad-leaved woodland
 High Dam [Lancashire] (SD3688)
 Holker Moss [Lancashire] (SD3678)
 Humphrey Head [Lancashire] (SD4075)
 Ickenthwaite [Lancashire] (SD3289)
 Jonny Wood [Cumberland] (NY2514) broad-leaved woodland
 Kendal (SD4695) mushroom farm
 Lake Windermere [Westmorland] (SD3998)
 Lancelot Clark Storth Nature Reserve [Westmorland] (SD5447) open birch woodland on limestone
 Lodore [Cumberland] (NY2618)
 Meathop [Westmorland] (SD4481)
 Moorthwaite (NY5151)
 Nichol's Moss [Lancashire] (SD4382)
 Roudsea Wood [Lancashire] (SD3382) broad-leaved woodland
 Rydal Water [Westmorland] (NY3506)
 Sandscale Haws [Lancashire] (SD1875) coastal sand dunes
 Skinner's Pastures [Lancashire] (SD3487) broad-leaved woodland
 Stock Ghyll [Westmorland] (NY3906)
 Swindale Beck (NY5416)
 Thursby (NY3050) mushroom farm
 Tilberthwaite Ghyll [Lancashire] (NY2801)
 Ullswater, Glencoyne Wood [Cumberland] (NY3818)
 Walney [Cumberland] (SD1867)

- Way Beck [Westmorland] (SD4085) mixed woodland
 Whitbarrow Scar [Westmorland] (SD4387) grass-
 land and scrub on limestone escarpment
 Windermere (SD4199)
 Witherslack [Westmorland] (SD4385-87)
- DERBYSHIRE**
 Chatsworth Deer Park (SK2670) mixed woodland
 and parkland
 Chee Dale (SK1273)
 Dovedale (SK1451)
 Goyt Valley [Cheshire] (SK0177)
 Lathkill Dale (SK2066)
 Longdendale [part in Cheshire] (SK0398)
 Matlock (SK3060)
 Miller's Dale (SK1473)
- DEVON**
 Avon Valley Wood
 Aylesbeare (Common) (SY0590)
 Beaford Bridge (SS5414)
 Beesands (SX8241)
 Berry (SS9817)
 Berry Pomeroy Castle (SX8361)
 Bovey Valley (SX4595) broad-leaved woodland
 Bovey Valley, Rudge Wood (SX7879) broad-leaved
 woodland
 Brendon (SS7647)
 Brownsham (SS2925) broad-leaved woodland
 Buckfastleigh (SX7466)
 Budshead Wood
 Canonteign Falls (SX8382) ancient wet deciduous
 woodland, ferns
 Clovelly (SS3124) mixed woodland
 Cod Wood (SX7888)
 Crownhill Park (SX45)
 Dart Head (SX7767)
 Dartmeet (SX6773) riverbank woodland with
 flushes
 Dartmeet, Fernworthy Reservoir (SX6785)
 Dartmoor, Bush Down (SX6983) moorland
 Dartmouth (SX8751)
 Dawlish Warren (SX9878) fixed dune grassland and
 scrub
 Dean Wood (SX7164)
 Dendles Wood (SX6161) broad-leaved woodland
 Dowlands Cliff (SY2990)
 Edge Barton (SY1889)
 Ellerton Wood, broad-leaved woodland
 Exeter (SX9292)
 Fingle Bridge (SX7489) broad-leaved woodland
 Five Oaks
 Golden Park (SS2421)
 Harpford Common (SY0791)
 Haytor (SX7677) moorland on granite
 Hembury Wood (SX7268) broad-leaved woodland
 Holne (SX7169) woods by River Dart
 Ilfracombe (SX7069) woodland
- Ivybridge (SX6356) broad-leaved woodland
 Kismeldon Meadow (SS3416)
 Knap Mill (SX7147) shaded riverbank
 Lifton Park (SX3985)
 Linton (SS2419)
 Littlehempston (SX8162)
 Lundy Island (SS1345)
 Manaton, Becky Woods (SX7580) wet woodland on
 granite, alder, birch
 Newton Abbot (SX8772)
 Peppercombe (SS3823) stream in cliff gully
 Plymouth (SX4857)
 Plymstock (SX5153)
 Powler's Piece (SS3718)
 Putsborough (SS4541)
 Rockford, River East Lyn (SS7547) wooded river
 gorge
 Riversmead (SS5935)
 Rousdon (SY2992)
 Salcombe (SX7439)
 Seaton (SY2490)
 Sidmouth (SY1288)
 Slapton Ley Nature Reserve (SX8245) mixed vege-
 tation by coastal lake
 Spreacombe Chapel Wood (SS4841) broad-leaved
 woodland
 Stoke Gabriel [under S. Devon; = South Devon]
 (SX8457)
 Tamerton Folliatt [= Foliot] (SX4761)
 Torcross (SX8242)
 Twitchen (SS6541)
 Welcombe Valley (SS2217) broad-leaved woodland
 Whiddon Deer Park (SS5639) parkland
 Windbury (Wood) (SS2826) broad-leaved
 woodland
 Wistmans Wood (SX6176) stunted oak woodland on
 moorland
 Woolacombe (SS4644)
 Yarner Wood (SX7778) broad-leaved woodland
 Yelverton (SX5268)
- DORSET**
 Affpuddle Heath (SY8092) conifer plantation
 Arne (SY9788) dry heath and oak woodland, adja-
 cent to saltmarsh
 Aunt Mary's Bottom (ST5402) carr with chalk
 stream
 Badbury Rings (ST9603) calcareous grassland,
 woodland and seepages
 Binnegar Quarry (SY8788) sandy exposures and
 heath
 Chesil Beach (SY6182) coastal shingle
 Corfe Common (SY9680) grassland and scrub with
 stream
 Dorchester (SY6991)
 Ferndown (SU0701)
 Glanvilles Wootton (ST6808)

- Godlingstone Heath (SZ0182) sandy heathland and bog
 Hartcliff Combe (ST8009) carr woodland with chalk springs
 Hod Hill (ST8510) calcareous grassland and scrub
 Holt Forest (SU0406)
 Kingston Wood (SY9579) calcareous broad-leaved woodland
 Long Crichel (ST9811)
 Piddletrenthide (SY7100)
 Portland (SY6975)
 Rempstone Heath (SY9985)
 Ringstead (SY7682)
 Slepe Heath (SY9485) dry heathland, grassland and scrub
 Stoborough Heath (SY9485) dry heathland, grassland and scrub
 Stokeford Heath (SY8788) sandy heathland
 Sutton Common (SU0510)
 The Spittles (SY3593) coastal clay cliffs with broad-leaved woodland
 Verwood (SU1108)
 Winfrith (SY8187)
 Woolcombe Meadow and Wood (SY5595) acid grassland and wet woodland
 Yetminster (ST6011) mushroom farm
- DURHAM**
 Cassop Vale (NZ3438) calcareous grassland and mining subsidence lake
 Castle Eden Dene (NZ4138) broad-leaved woodland and stream in limestone gorge
 High Force (NY8828) vicinity of waterfall
 Nesbitt Dene (NZ4537) broad-leaved woodland and stream in limestone gorge
 Scargill (NZ0510) broad-leaved woodland by stream
 Teesdale (NY9426)
 Wemmergill Hall (NY8922)
- EAST RIDING OF YORKSHIRE** (formerly included in Humberside)
 Allerthorpe (SE7847) wooded heathland
 Barmby Moor (SE74)
- EAST SUSSEX**
 Crowborough (TQ5130)
 Duddleswell (TQ4627)
 Frant (TQ6036)
 Hailsham (TQ5909) mushroom farm
 Hastings, Hastings Castle (TQ8209) grassland on maritime, sandstone cliff top
 Hellingly (TQ5812)
 Hurtwood, Peasmarsh (TQ8823)
 Old Lodge Warren (TQ5531)
 Patcham (TQ3009)
 Rye Harbour (TQ9419) shingle beach
 Seaford (TV4899)
 Sedlescombe (TQ7819) garden of P. Roper, grassland at woodland fringe
 Wadhurst Place (TQ6432)
 Withyham (TQ5036)
- ESSEX**
 Belfairs (TQ8187) broad-leaved woodland
 Chigwell Row, Chigwell Row Wood (TQ4692–93) ancient and secondary broad-leaved woodland with sycamore, poplar, oak, hornbeam, hazel, holly, ivy, bramble and a small patch of heath (heather, *Juncus*, *Deschampsia*)
 Clacton-on-Sea (TM1715)
 Epping Forest (TQ39–43/82–98, TL43–44/00) ancient broad-leaved woodland and grassland; (Monument Field (TQ4195), field partly surrounded by woodland; Epping Thicks (TL4400), ancient beech woodland)
 Leigh-on-Sea (TQ8285) salt marsh
 Mersea (TM0513)
 Nazeing (TL4207)
 Thundersley Glen (TQ7987) broad-leaved woodland
 West Mersea (TM0112)
- GLOUCESTERSHIRE** [= Gloucs.]
 Ashwell Grove (ST5699) broad-leaved woodland
 Ban-y-Gor Wood (ST5496) calcareous broad-leaved woodland
 Chalford (SO9003)
 Chedworth (SP0512)
 Cheltenham (SP0220) mushroom farm
 Collinpark Wood (SO7427) acid broad-leaved woodland
 Crickley Hills Country Park (SO9316)
 Daneway (SO9403) broad-leaved woodland
 Dowdeswell Wood (SO9920) broad-leaved woodland
 Forest of Dean, ancient broad-leaved forest
 Hencliff Wood [Gloucestershire] (ST6371) acid broad-leaved woodland
 Hobb's Quarry (SO6919) calcareous broad-leaved woodland
 Lancaut Nature Reserve (ST5496) calcareous broad-leaved woodland
 Longborough (SP1830)
 Perrott's Brook (SP0106) broad-leaved woodland
 Randwick (SO8206) broad-leaved woodland
 Rodborough Forest (SO8505)
 Shortwood (SO8308) calcareous broad-leaved woodland
 Stroat (ST5797)
 Witcombe Wood (SO9113) broad-leaved woodland
 Wotton-under-Edge (ST7593)
- GREATER LONDON**
 Acton [Middlesex] (TQ2182)
 Addington [Surrey] (TQ3764)
 Beckenham Place Park [Kent] (TQ3870)
 Beddington [Surrey] (TQ2965)
 Bromley [Kent] (TQ4167) former garden of P. J. Chandler
 Bromley, Bickley [Kent] (TQ4369)

- Bromley, Brook Wood [Kent] (TQ4166) broad-leaved woodland
 Bromley, Fisher's Wood [Kent] (TQ4067) broad-leaved woodland
 Buckingham Palace Garden [Middlesex] (TQ2879) formal garden with wooded fringes and lake
 Bushy Park [Middlesex] (TQ1469)
 Charing Cross [Middlesex] (TQ3181)
 Chingford [Essex] (TQ3994)
 Chislehurst, Pond Wood [Kent] (TQ4369) broad-leaved woodland with pond
 Clapham [Surrey] (TQ2975)
 Coppets Wood, N12
 Coulsdon [Surrey] (TQ3158)
 Cripplegate [Middlesex] (TQ3281)
 Crofton Heath [Kent] (TQ4366) broad-leaved woodland
 Cudham [Kent] (TQ4560)
 Downe, Cuckoo Wood [Kent] (TQ4462) calcareous broad-leaved woodland
 East Ham [Essex] (TQ4383)
 East Ham, St. Mary's Nature Reserve [Essex] (TQ4383)
 Enfield Wash
 Hampstead Heath [Middlesex] (TQ2786)
 Harlesden [Middlesex] (TQ2283)
 Harrow [Middlesex] (TQ1488)
 Highgate Wood [Middlesex] (TQ2888) broad-leaved woodland
 Kew Gardens [Surrey] (TQ1876) botanical gardens
 Leaves Green [Kent] (TQ4162)
 London (TQ3081)
 Merton [Surrey] (TQ2569)
 Mitcham Common [Surrey] (TQ2968) broad-leaved woodland
 New Barnet (TQ2696)
 New Malden [Surrey] (TQ2168)
 Northwood [Middlesex] (TQ0991)
 Norwood [Surrey] (TQ1378)
 Old Coulsdon [Surrey] (TQ3157)
 Pett's Wood [Kent] (TQ4569) house and garden of P. Freeman
 Pinner [Middlesex] (TQ1290)
 Putney [Middlesex] (TQ2475)
 Richmond Park [Surrey] (TQ2072) ancient parkland and broad-leaved woodland
 Scadbury Park [Kent] (TQ4570) broad-leaved woodland
 Scratch Wood [Middlesex] (TQ2094) broad-leaved woodland
 Selsdon [Surrey] (TQ3562)
 South Kensington, Natural History Museum [Middlesex] (TQ2679) wildlife garden
 Sparrow Wood [Kent] (TQ4366) broad-leaved woodland
 Stanmore (Common) [Middlesex] (TQ1593) broad-leaved woodland
 Teddington [Surrey] (TQ1671)
 Thornton Heath [Surrey] (TQ3268)
 Tulse Hill [Middlesex] (TQ3273)
 Uxbridge [Middlesex] (TQ0684)
 Wimbledon [Surrey] (TQ2571)
 Wood Green [Middlesex] (TQ3191)
GREATER MANCHESTER
 Denton (SJ9295)
 Manchester, Fallowfield (SJ8694)
 Trafford, Sale (SJ7992)
 Warburton (SJ7090)
 Whitefield (SD8006)
 Withington [Cheshire] (SJ8593)
HAMPSHIRE [= Hants.]
 Abbot's Wood (SU8140) broad-leaved woodland
 Alice Holt Forest (SU7942-43) broad-leaved woodland and conifer plantations
 Ampfield (SU4024)
 Basingstoke (SU6351)
 Bishop's Waltham, The Moors (SU5617) wet carr woodland
 Bolderwood (SU2409)
 Bournemouth [formerly Dorset] (SZ1091) garden
 Bransgore (SZ1998)
 Chilbolton Common (SU3839) water meadows
 East Tisted (SU7133)
 Farley Down(s) (SU3929) calcareous grassland
 Fleet Pond (SU8254) pond with wooded margins and marsh
 Greywell Fen (SU7251) calcareous valley, alder carr woodland and sedge beds by River Whitewater
 Hayling Island (SU7201)
 Headley Common (SU5263)
 Hengistbury Head (SZ1891)
 Hook Common (SU7254)
 King's Somborne (SU3631)
 Leckford Estate (SU36-37/36-38) carr woodland and water meadows by River Test
 Lyndhurst (SU2908)
 New Forest [= N. Forest] (SU20-SU30) broad-leaved woodland
 New Forest, Bank (SU2908)
 New Forest, Beaulieu and Beaulieu River (SU3903)
 New Forest, Brockenhurst (SU2903-3003) broad-leaved woodland by stream
 New Forest, Brockenhurst Wood (SU3100) broad-leaved woodland
 New Forest, Burley (SU2103)
 New Forest, Cadnam (SU2915) broad-leaved woodland
 New Forest, Denny Wood (SU3306) ancient broad-leaved woodland
 New Forest, Eyeworth Wood (SU2215) ancient broad-leaved woodland

- New Forest, Fritham (SU2414)
 New Forest, Great Huntly Bank (SU2705–06) ancient broad-leaved woodland
 New Forest, Hatchett's Pond (SU3601) sparse marginal vegetation around pond
 New Forest, Ipley Manor (SU3706)
 New Forest, Linwood (SU1809) broad-leaved woodland
 New Forest, Lyndhurst Road (SU20)
 New Forest, Mark Ash Wood (SU2407) ancient broad-leaved woodland
 New Forest, Matley Bog (SU3307) bog within broad-leaved woodland
 New Forest, Oakley Inclosure (SU5751) broad-leaved woodland
 New Forest, Puttles Bridge (SU2702) broad-leaved woodland by stream
 New Forest, Rhinefields (Inclosure) (SU2504) broad-leaved woodland
 New Forest, Sowley Pond (SZ3897)
 New Forest, Wood Crates (SU2508-2608) ancient broad-leaved woodland
 Nightingale Wood (SU3818)
 Oakshott (SU7428)
 Odiham Common (SU7752) broad-leaved woodland
 Ovington (SU5631)
 Pamber Forest (SU6161) broad-leaved woodland with stream and marsh
 Pennington (SZ3295)
 Ports Down (SU6406) calcareous grassland
 Ridley Wood (SU2006) broad-leaved woodland
 Rotherfield Park (SU6931) broad-leaved woodland
 Rotherfield Park, Stonybrow Wood (SU6830) broad-leaved woodland
 Sandbanks (SZ0588)
 Selborne, The Lythes (SU7434) broad-leaved woodland by stream
 Selborne Common and Hanger (SU7333) beech woodland on dry slope
 Silchester Common (SU6262) partly wooded heathland and bog
 Sladen (SU4255)
 Swaythling (SU4315)
 Totton (SU4416)
 Waggoner's Wells (SU8534) broad-leaved woodland with ponds and stream
 Weston Common (SU6944)
 West Walk (SU6013)
 Whitmoor Vale (SU8536) broad-leaved woodland
 Winnall Moor (SU4830) rough pasture with ditches
- HEREFORDSHIRE**
 Coldborough Park (SO6429)
 Credenhill Park Wood (SO4645)
 Fishpool Valley (SO4566)
 Haugh Wood (SO5935) broad-leaved woodland
 Lower Lye, Sned Wood (SO4167) conifer plantation with broad-leaved fringe, river side
 Moccas Park (SO3342) broad-leaved woodland and parkland
 Olchon Valley (SO3131)
 Paradise Wood (SX6365) broad-leaved woodland
 Stoke Wood (SO6040) broad-leaved woodland
 Symond's Yat (SO5616) broad-leaved woodland
 Tarrington (SO6140)
 The Flits (SO3741) wet pasture and hedges
 Westhide (Wood) (SO5844)
 West Wood, Bagpiper's Tump (SO5736) mixed woodland
- HERTFORDSHIRE [= Herts.]**
 Aldbury Common (SP9711) broad-leaved woodland
 Ashridge Estate (SU9912) broad-leaved woodland
 Ayot Green
 Baldock (TL2535)
 Bayford (TL3109)
 Bishop's Stortford (TL4820) garden of C. W. Plant
 Bramfield (TL2915)
 Bushey Heath (TQ1594)
 Cheshunt (TL3602)
 Clothall (TL2832)
 Felden (TL0506)
 Frithsden Beeches (TL0109) ancient pollarded beech woodland
 Great Offley (TL1426) broad-leaved woodland
 Harpenden (TL1314)
 Hatfield Forest (TL2308) broad-leaved woodland
 Hertford, Bayfordbury Estate (TL3100) meadow hedge
 Hitchin (TL1829)
 Hitch Wood (TL1923) broad-leaved woodland
 Hoddesdon (TL3709)
 King's Walden (TL1524)
 Knebworth (TL2520)
 Lea Valley (TL1616)
 Letchworth (TL2233)
 Offley Holes (TL1729)
 Oughton Head (TL1730)
 Radwell (TL2336)
 Rickmansworth (TQ0694)
 Rothamsted (TL1314) grounds of horticultural research station
 Rothamsted, Knott Wood (TL1314)
 Royston (TL3641)
 Symondshyde [as Simonshyde] (TL1910)
 Tewin (TL2715)
 Therfield Heath (TL2339)
 Todd's Green (TL2226)
 Tring (SP9312)
 Wallington (TL2934)
 Watford (TL1197)
 Welwyn (TL2316)
 Welwyn, Sherrard's Wood (TL2316)

- Westbury Wood (TL1526)
 Weston (TL2630)
- ISLE OF MAN
 Peel (SC2584)
- ISLE OF WIGHT
 Apes Down (SZ4587) calcareous grassland
 Bembridge (SZ6588)
 Blackgang (SZ4975) coastal landslip
 Brighstone Forest (SZ4284) conifer plantation
 Corfheath Firs (SZ4490) mixed woodland
 Rowridge Valley (SZ4586) broad-leaved woodland
 and calcareous grassland
 Walter's Copse (SZ4390) broad-leaved woodland
- KENT
 Ashford (TR0549) mushroom farm
 Barming, Oaken Wood (TQ7155) broad-leaved
 woodland
 Bearsted (TQ8056)
 Bedgebury Pinetum (TQ7233) arboretum of conifers
 Blean Wood (TQ0860) broad-leaved woodland
 Chattenden Wood (TQ7571) broad-leaved woodland
 Cobham (TQ6768)
 Darenth (Wood) (TQ5771) broad-leaved woodland
 Dartford (TQ5374)
 Dover (TR3242)
 Dunton Green (TQ5258)
 Eynsford (TQ5465)
 Farningham Wood (TQ5368) broad-leaved
 woodland
 Folkestone (TR2267)
 Hothfield Bog (TQ9645) bog with wooded fringes
 Knole Park (TQ5453) parkland and woodland with
 ancient beech
 Mereworth Wood (TQ6455) broad-leaved woodland
 Orlestone Wood (TQ0035) mixed woodland
 Sevenoaks (TQ5355)
 Sevenoaks, One Tree Hill (TQ5653) broad-leaved
 woodland
 Shoreham, Dunstall Wood (TQ5361) broad-leaved
 woodland
 Stodmarsh (TR2160)
 Tunbridge Wells (TQ5839)
 West Malling (TQ6857)
 Westerham, Hosey Common (TQ4553) heathland
 and mixed woodland
 Wye (TR0647)
 Wye Downs (TR0847) calcareous grassland
- LANCASHIRE [= Lancs.]
 Colne (SD8840)
 Lower Brock Mill (SD5443) broad-leaved woodland
 Kirkham, Fairfield Experimental Horticulture
 Station (SD4332)
 Martin Mere (SD4214) lake and wildfowl reserve
 Preston (SD4432) mushroom farm
 Winmarleigh Moss (SD4447) partly wooded
 heathland
- LEICESTERSHIRE [= Leics.]
 Newtown Linford, Lea Meadows (SK5011) wet
 meadow with mixed woodland with alder, birch,
 hazel, spruce and fir
 Ravenstone, Kelham Bridge (SK4114) wet meadow
 with reed beds around pools
 Stockerston, Bolt Wood (SP8497) ancient broad-
 leaved woodland with ash, pedunculate oak,
 hazel and field maple
 Whetstone, Narborough Bog (SP5497) wet meadow
 with reed bed on peat and broad-leaved woodland
 with pedunculate oak, ash, elder and willow
- LINCOLNSHIRE [= Lincs.]
 Colsterworth (SK9224) broad-leaved woodland
 Kirton (TF3038)
 Nettleton, Long Wood (TA1000)
 Stamford (TF0308)
 Welton Wood (TF0179) broad-leaved woodland
- MERSEYSIDE
 Freshfield (SD2908)
 Liverpool (SJ3591)
- NORFOLK
 Barton Broad (TG3622)
 Boston Common
 Boughton Fen (TF7002)
 Brancaster (TF7644) sedge bed
 Bridgeham, Thetford Chase (TL8884)
 Bure Marshes (TG3617) carr woodland and fen
 Catfield (TG36-37/20–21) carr woodland and fen
 Costessey (TG1711)
 Dickleburgh (TM1782) former garden of P. Withers,
 reclaimed agricultural land
 East Harling (TM0087) glacial pool
 East Walton Common (TF7416) broad-leaved
 woodland
 Felbrigg [Great] Wood (TG1946) broad-leaved
 woodland
 Felthorpe Wood (TG1416) broad-leaved woodland
 Foulde (TL7700) broad-leaved woodland
 Fowl Mere (TL8789)
 Foxley Wood (TG0623)
 Hickling [Hickling Reed Swamp; Hickling Stubb
 Mill; Hickling Broad] (TG4120/4321) sedge bed,
 alder carr
 Holt Country Park (TG0939)
 Honingham (TG1011)
 Honingham, Warren Wood (TG1111)
 Honingham Fen
 Horning Ferry (TG3417)
 How Hill (TG3719) damp broad-leaved woodland,
 peat hollows and fen
 Hunstanton
 Lenwade Pits (TG1018)
 Lolly Moor (TF9910) fen
 Lopham Fen (TM0480) wetland in alder carr
 Middle Harling (TL9986) wetland fen

- Mills Marsh (TG3615) wet meadow
 Narford Hall (TF7613)
 Norwich (TM4497, TG2108) mushroom farm
 Norwich, The Loke (TG2309) malaise trap in former garden of B. R. Laurence
 Old Buckenham (Fen) (TM0491-92) open fen with wooded fringes
 Pashford (TL7383) poor fen
 Pulham St. Mary (TM2089) broad-leaved woodland
 Quidenham (TM0388)
 Reedham (TG4202) sedge bed
 Roydon Common (TF6822) broad-leaved woodland, marsh
 Scarning (TF9512) wetland fen
 Sea Mere (TG0300-01) damp meadow
 Snetterton (TL9990) decaying vegetation by race track
 Snettisham Beach (TF6934) sea shore
 Southrepps Common (TG2635) *Phragmites* bed and marsh
 Stanford battle area (TL8695)
 Strumpshaw (TG3406) damp meadow
 Surlingham, Wheatfen (TG3306-3205) carr woodland and fen
 Sutton Broad (TG3723) carr woodland and fen
 Thetford Forest (TL8884)
 Thompson Common (TL9395-96) broad-leaved woodland and grassland with pingo pools
 Thurgarton (TG1835)
 Upton Broad and Upton Fen (TG3813) broad-leaved woodland and fen
 Wayland Wood (TL9299) broad-leaved woodland
 Welbourne (TG0610)
 West Harling (TL98) water meadow by River Thet
 West Harling Common (TL9585) conifer plantation with streams and water meadow
 Weybourne Dunes (TG1143)
 Woodbastwick (TG3316-3416) carr woodland and fen
- NORTHAMPTONSHIRE** [= Northants.]
 Buckingham Thick Copse (SP7043) broad-leaved woodland
- NORTHUMBERLAND**
 Berwick-upon-Tweed [= Berwick] (NT0053) garden of B. R. Laurence
 Newburn (NT9347)
 Nine Nicks of Thirlwall (NY6667)
- NORTH YORKSHIRE** [= N. Yorkshire]
 Ashberry Pastures (SE5684) broad-leaved woodland and meadows
 Austwick (Moss) (SD7768) raised mire
 Aysgarth Force (SE0089) waterfall with mossy rocks
 Bishop Wood (SE5532-5633)
 Bolton Wood
 Clapham (SD7569)
- Cotterdale (SD8492) riverbank with alders
 Coverham (SE1086)
 Cowbeck, birch carr
 Crag Wood (SD9656)
 Derwent Ings, water meadows and hedges
 Driffeld, The Keld (TA0157) broad-leaved woodland
 Duncombe Park (SE6082) broad-leaved woodland
 Easington Beck (NZ7516) broad-leaved woodland
 Forge Valley (SE9887) ancient broad-leaved woodland with seepages
 Fyningdale Moor (SE8698)
 Goathland (NZ8402)
 Gunnerside (SD9598-9199) broad-leaved woodland
 Harrogate, Birk Crag Wood (SE2955)
 Hawnby, Low Pasture (SE5389)
 Hawnby, River Rye (SE5388) broad-leaved woodland
 Hole of Horcum (SE8594)
 Ingleborough (SD7475)
 Ingleton (SD6973)
 Janet's Foss Wood (SD9163)
 Jeffry Bog (SE7576)
 Langton Hall (SE3095) broad-leaved woodland
 Malham Tarn (SD8966) broad-leaved woodland, bog and lakeshore
 Marrick, Colt Park Wood (SE0899)
 Monk Fryston (SE5129) broad-leaved woodland by streams
 Mulgrave Wood (NZ8411) broad-leaved woodland
 North Grimston (SE8568)
 Park End (NZ7009)
 Pen-y-Ghent (SD8474)
 Raindale (SE8092)
 Rake Beck (NZ0805) wooded stream gorge
 Ravensworth (NZ1408)
 Rillington (SE8675)
 Rosedale Moor (SE7299)
 Selby (SE6030) mushroom farm
 Slapston Holm Wood (SE0198) broad-leaved woodland
 Tup Hag Wood (SE5867) broad-leaved woodland
- NOTTINGHAMSHIRE** [= Notts.]
 Bulwell Hall Park (SK5445)
 Nottingham (SK5742)
 Radcliffe on Trent (SK6539)
 Sherwood Forest (SK66) broad-leaved woodland with oaks
 Strelley (SK5041)
- OXFORDSHIRE** [= Oxon]
 Aston Rowant (SU7296-99) calcareous grassland
 Bagley Wood [Berkshire] (SP5102) broad-leaved woodland
 Bayswater (SP5408)
 Bix Bottom (SU7288) broad-leaved woodland and calcareous grassland
 Brasenose (SP5605)

- Charlbury (SP3519)
 Cothill [Berkshire] (SU4599) carr woodland and fen
 Ditchley (SP4021)
 Frilford Heath [Berkshire] (SU4498)
 Goring Heath (SU6579)
 Goring-on-Thames (SU6081) village garden, formerly of J. H. Cole
 Goring-on-Thames, Coneyberry Wood (SU6181) beech woodland on chalk
 Hartslock (SU6278) calcareous grassland adjacent to hanger woodland
 Headington Hill and Wick (SP5306)
 Hill End [Berkshire] (SP4606) broad-leaved woodland and wooded stream
 Hogley (Bog) [= Lye Valley] (ST6564)
 Little Wittenham Wood [Berkshire] (SU5692) broad-leaved woodland
 Lye Hill
 Marston (SP5208) reared from nests
 Nettlebed (SU7185)
 Oxy Mead (SP4810) water meadows and bank of River Thames with trees
 Oxford, Milham Ford School (SP5307) school grounds with old poplars
 Oxford, Oxford University Museum and Parks (SP5106)
 Sarsgrove Wood (SP3024) broad-leaved woodland
 Shotover (Country Park) (SP5606) broad-leaved woodland
 Spartum Fen (SP6501) carr woodland
 Stokenchurch (SU7696)
 Stonor (SU78)
 Tubney [Berkshire] (SU4398-4400) broad-leaved woodland
 Waterperry Wood (SP6009) woodland including conifer plantations
 Weston Green Fen (SP5219) partly wooded fen
 Weston-on-the-Green (SP5318)
 Whitecross Green Wood (SP6614) broad-leaved woodland
 Wormsley [Park] (SU7394)
 Wychwood [Forest] (SP3316) ancient broad-leaved woodland
 Wytham Woods [Berkshire] (SP4608) broad-leaved woodland
- SHROPSHIRE** [= Salop]
 Bromfield, River Teme
 Church Stretton (SO4694)
 Duxmoor Dingle (SO4477)
 Holly Bank (SO5695) calcareous broad-leaved woodland
 Leebotwood (SO4798) stream side with willow, alder and oak adjacent to oat field
 Llanmynach Hills (SJ2621) grassland and scrub in old limestone quarry
 Oswestry (SJ2929)
- Snailbeach (SJ3803)
 Trefonen Marsh (SJ2426) shaded stream in pasture grazed by cattle
 Whale Moss
- SOMERSET**
 Burrington Combe (ST4758) stream in rocky gully
 Castle Neroche (ST2715)
 Cogley Wood (ST7035) broad-leaved woodland
 Dunster (SS9943) broad-leaved woodland
 East Harptree Combe (ST5554) broad-leaved woodland by stream
 Ebbor Gorge and Ebbor Rocks (ST5248) broad-leaved woodland
 Edford Wood (ST6748) broad-leaved woodland
 Great Elm (ST7449)
 Ivy Thorn Hill (ST4734) calcareous broad-leaved woodland and grassland
 Loxley Wood (ST4037) broad-leaved woodland
 Pawlett Levels (ST3143) grazing marshes
 Priddy (ST5251) conifer plantation
 Shapwick Heath (ST4340) grassland and scrub on peat
 Vallis Vale (ST7549) broad-leaved woodland
 West Town (ST5335)
 Yeovil (ST5617)
- SOUTH YORKSHIRE**
 Barnsley (SE3506)
 Deffer Wood (SE2709)
 Doncaster (SE5803)
 Doncaster, Hatfield Moor (SE7006)
 Doncaster, Pot Riding Wood (SE5200)
 Doncaster, Thorne Moors (SE7316)
 Howell Wood (SE4410)
 Sheffield (SK3688)
 Sheffield, Ewden Valley (SK2597)
- STAFFORDSHIRE** [= Staffs.]
 Alvecote Pools (SK2504) alder carr and wetlands formed by mining subsidence
 Aqualate Mere, Decoy Wood (SJ7720) broad-leaved woodland
 Burton [Shropshire] (SJ4425) mushroom farm
 Cannock Chase (SJ9818-20) mixed woodland
 Colwich Park (SK0121)
 Consall Wood (SJ9849-9947) broad-leaved woodland
 Cop Mere (SJ8030) broad-leaved woodland with gully
 Crowgutter Wood (SK0350) broad-leaved woodland
 Gibridings Wood (SK0344) broad-leaved woodland
 Grindon Wood (SK0944) broad-leaved woodland
 Hatherton (SJ9510)
 Loynton Moss (SJ7825)
 Lum Pool (SK0660)
 Manifold Valley (SK0952) broad-leaved woodland
- SUFFOLK**
 Barton Mills (TL7173)

- Belstead House (TM3651)
 Benacre Broad (TM5282)
 Bradfield Wood (TL9357) broad-leaved woodland
 Butley Thicks (TM3651) broad-leaved woodland
 East Bergholt (TM0735)
 Felixstowe (TM2738) mushroom farm
 Flatford Mill (TM0733)
 Hoxne (TM1877) river margin
 Ipswich (TM0838) mushroom farm
 Lakenheath [= Laken Heath] (TL7182) damp meadow
 Kessingland (TM5286)
 Market Weston Fen (TL9878) fen with sedge pools
 Mildenhall (TL7174)
 Minsmere (TM4666) mixed damp woodland
 Monk's Soham (TM2165)
 Occold (TM1570) decaying vegetation
 Orford (TM4249)
 RAF (Royal Air Force base) Barnham (TL8779) heath grassland and mixed woodland with stream
 Redgrave Lake (TM0576) lake margin
 Reydon Wood (TM4778) damp broad-leaved woodland
 Santon Downham (TL8187)
 Scotland Fen (TM3547) poplar plantation and fen, oak woodland
 Shrubland Park (TM1252)
 Snape Maltings (TM3957)
 Stallode Wash (TL6884) marsh land
 Staverton Thicks (TM3650) ancient broad-leaved woodland
 Thelnetham Fen (TM0178) fen
 Thornham Magna (TM1071) damp broad-leaved woodland
 Tuddenham Fen (TL7472) wet heathland and birch woodland
 Tunstall Common (TM3754)
 Walberswick (TM4673-74) saltmarsh and reed beds
 Wangford (TL7584) Breckland heath
 Wortham Ling (TM0879) heath
- SURREY**
 Albury, Blackheath (TQ0346)
 Ashted (Common) (TQ1759) heath
 Blackheath, Albury (TQ0346)
 Bookham Common (TQ1256) broad-leaved woodland
 Boundless Copse (SU8936-9036) broad-leaved and mixed woodland
 Box Hill (TQ1852) broad-leaved woodland
 Byfleet (TQ0661)
 Charterhouse Alder Holt (SU9544) carr woodland by River Wey
 Chelsham (TQ3758)
 Chipstead (TQ2858)
- Chobham Common [Long Arm carr; Gracious Pond] (SU9666, SU9863, respectively)
 Cosford Mill (SU9138) carr woodland
 Devil's Punchbowl (SU8936) broad-leaved woodland by stream
 Esher, West End Common (TQ1262-63) broad-leaved woodland
 Felbridge (TQ3639)
 Gomshall, Hackhurst Farm (TQ0947)
 Hackhurst Down (TQ0948)
 Hackhurst Wood (TQ1047) broad-leaved woodland
 Horsell Common (TQ0060) heathland and pine woodland
 Horsley (TQ0954)
 Limpsfield Common (TQ4152)
 Mayford (SU9956) reared from nests
 Nutcombe Down (SU8834) broad-leaved woodland
 Oxshott (Heath) (TQ1361) heathland and pine woodland
 Puttenham (SU9347)
 Ranmore Common (TQ1451) broad-leaved woodland
 Ripley (TQ0556)
 Runnymede Meadow (TQ0072) water meadows and ponds
 Send (TQ0255)
 Staffhurst Wood (TQ4148) broad-leaved woodland
 Thundry Meadow (SU89-90/44) water meadows and carr woodland
 Thursley Common (SU9041) heathland, bog and mixed woodland
 West Horsley, Sheep Leas (TQ0851) calcareous grassland and woodland
 White Downs (TQ1249)
 Wisley (TQ0659)
 Wisley Common (TQ0758) heathland and mixed woodland
 Witley Common (SU9240)
 Woking (TQ0058)
 Wotton (TQ1247)
 Virginia Water (SU9968)
- TYNE & WEAR**
 Derwent Valley, Lockhaugh Bank Wood [= Lockhaugh Wood] (NZ1759) broad-leaved woodland
- WARWICKSHIRE** [= Warks.]
 Bishops Tachbrook, Oakley Wood (SP3059) ancient woodland, partly coniferous
 Brandon, New Close Wood (SP4076) broad-leaved woodland with pedunculate oak, birch and hazel
 Clowes Wood (SP1074) broad-leaved woodland
 Coventry, Coombe Abbey Country Park [= Coombe Abbey Park; West Midlands] (SP3979) broad-leaved woodland with ash, pedunculate oak, mountain ash and hornbeam

- Coventry, Warwick University Campus, Tocil Wood [West Midlands] (SP3075) broad-leaved woodland with pedunculate oak, mountain ash, maple and hazel
- Edge Hill (SO3748) deciduous woodland on steeply sloping sandstone
- Farnborough Park (SP4349) wooded lake margin
- Kingsbury Water Park (SP2096) parkland, wooded lake margin, reed beds
- Leamington Spa (SP3266) in house plant compost
- Leamington Spa, Newbold Comyn Park (SP3365) damp meadow, young mixed woodland
- Leamington Spa, Whitnash brook, Sydenham (SP3364) stream-side with alder, willow, blackthorn, elder and hawthorn
- Leamington Spa, Willes Meadow [in part under Newbold Comyn Park] (SP3266) meadow flooded in winter
- Moreton-in-Marsh, Long Spinney (SP3135) wet woodland on limestone
- Moreton-in-Marsh, Whichford Wood (SP3034) ancient and plantation woodland
- Moreton-in-Marsh, Wolford Wood (SP2433) ancient deciduous woodland, wet in part
- Oversley Wood (SP1056) broad-leaved woodland
- Studley, Rough Hill Wood (SP0564) ancient woodland, mainly oak, ground cover of wood anemones and bluebells
- Ufton Bridge (SP3762) disused railway cutting
- Ufton Fields (SP3761) broad-leaved woodland, pools and grassland
- Wellesbourne (SP2757) mushroom farm
- Wellesbourne, Horticulture Research International [= HRI] (SP2756) laboratory culture
- Whitacre Heath (SP2193) wetland, willow carr, birch, reed beds, old sand and gravel workings
- WEST MIDLANDS**
- Birmingham [Warwickshire] (SP08)
- Birmingham, Edgbaston [Warwickshire] (SP0683)
- Birmingham, Sutton Park [Warwickshire] (SP0998) mixed woodland, wetlands, heath and parkland
- Coventry [Warwickshire] (SP37)
- Coventry, Bubbenhall, Ryton Wood (SP3872) ancient woodland with pedunculate oak, lime, hazel and birch
- Coventry, Ryton-on-Dunsmore, Brandon Marsh (SP3875) willow carr, birch, ash and wetland, former gravel workings
- Solihull, Baddesley Clinton, Hay Wood (SP2171) mixed woodland, mainly coniferous, fir, cypress, pedunculate oak, birch
- Sutton Coldfield [Warwickshire] (SP1296)
- WEST SUSSEX**
- Ambersham Common (SU9019-9120) heathland and mixed woodland
- Cuckfield (TQ3024)
- East Grinstead (TQ3038)
- Henfield (TQ2015) flood meadow ditch by River Adur
- Inholm's Copse (SU8526) broad-leaved woodland
- Iping Common (SU8421)
- Littlehampton (TQ0403) horticultural research station and mushroom farm
- Parham (TQ0613) birch woodland
- Pulborough (TQ1117) mushroom farm
- Pulborough, Chesswood Nurseries (TQ0418)
- Rewell Wood (SU9808) broad-leaved woodland
- Rogate (SU8023) meadow
- Three Bridges (TQ2837)
- Tilgate Forest
- Worthing (TQ1403)
- Worthing, Clapham (TQ0906)
- WEST YORKSHIRE**
- Bradford (SE1633)
- Leeds (SE23)
- Leeds, Farnley (SE2147)
- Wakefield (SE2817) mushroom farm
- Wakefield, Wentbridge (SE4817)
- WILTSHIRE**
- Lackham Park (ST91-92/69-70) broad-leaved woodland
- Littlecote Park (SU2969)
- Melksham (ST8962) in house of P. J. Chandler
- Odstock (SU1324)
- Salisbury Plain Training Area East (ST94-95) unimproved calcareous grassland
- Savernake Forest (SU20-22/65-67) ancient beech woodland
- WORCESTERSHIRE**
- Bell Heath (SO97)
- Evesham (SP0645) mushroom farm
- Hunthouse Woods (SO77) broad-leaved woodland
- Redditch, Lion Wood (SP0467) oak woodland on acid soil with heather and bilberry
- Shrawley Wood (SO8065) broad-leaved woodland
- Wyre Forest (SO73-76/73-77) ancient broad-leaved woodland
- NORTHERN IRELAND**
- ANTRIM**
- Glenariff (D2120) broad-leaved woodland in gorge
- Lennymore Bay (J1175)
- CITY OF BELFAST**
- Belfast (J36) riverside with trees
- DOWN**
- Crawfordsburn Country Park (J4682) mixed woodland
- Holywood (J37-47)
- Newcastle (J33)
- Rostrevor (J1817) broad-leaved woodland

TYRONE

Moy (H8356) broad-leaved woodland

REPUBLIC OF IRELAND

CAVAN

Bellananagh (H4000) lake-side
Virginia Woods (N5987) mixed woodland

CLARE

Ballynalacken Castle (M1000) small area of broad-leaved woodland by castle
Burren, Ailladie [= Aill an Daill] (M0802)
Burren, Caher River (M1509)
Burren, Fanore (M1307) green road
Burren, Formoyle (M1705) grikes
Corker Pass (M3010)
Ennis (R2979) mixed broad-leaved woodland, mainly hazel
Lisdoonvarna [= Lisdoonvarna Spa] (R1397)
Lough Bunny (R3696)
Lough Luogh (R0593)

CORK

Ballyvourney (W1977) damp broad-leaved woodland
Castlefrecke (W3335) saline-influenced woodland
Clonpriest (X0573) saltmarsh
Coom Wood (W1273) wooded gully
Dunamarc Falls (W0153) broad-leaved woodland by waterfall
Gearagh (W2969) mature alluvial oak and ash woodland with elm, willow and birch on braided stream over limestone
Gearagh, Annahala bog (W3269) wet grassland and fen subject to flooding with streams, willow carr, *Juncus*, *Typha* and *Osmunda* over limestone
Glengarriff (State) Forest (V9057) oak woodland
Leap (W23)
Leap, Myross Wood (W23)
Rahan (W6497)
Riverstick, alder carr
Warren's Court Wood, damp broad-leaved woodland
Whites Marsh (W3738) salt marsh

DONEGAL

Inishowen

DUBLIN

Bohernabreena (O0922) vegetation beside reservoir
Clondalkin (O0631) malaise trap in garden of J. P. O'Connor
Dublin City (O1530)
Dublin, Kinsealy Research Centre (02142) horticultural research station
Dublin, Phoenix Park (O19) parkland with old trees
Howth (O23) broad-leaved woodland
Malahide Castle (O2243) mixed woodland
River Liffey, Strawberry Beds (O9586) wooded riverbank

Slade of Saggart (O0324) mixed woodland
Terenure (O1230) garden of P. Ashe

GALWAY

Newtown Lough (M4202) turlough

KERRY

Castlegregory, Lough Gill (Q6014) sand dunes
Derrycunihy Cascade (V9280) broad-leaved woodland by waterfall
Drominahassig (V9566) broad-leaved woodland
Dromore Forest (V8267) broad-leaved woodland
Kenmare (V97)
Killarney (V9586) mossy rocks by waterfall
Killarney, Castlerosse (V99)
Killarney, Galway's Bridge (V9180)
Killarney, Kenmare Estate (V9490)
Killarney, Long Range
Killarney, River Flesk
Killarney, Ross Island (V9489, V9588) wooded peninsula in lake, damp broad-leaved woodland
Killarney, Tomies Wood (V9188) broad-leaved woodland
Killarney, Torc Cascade [= Falls] (V9684) broad-leaved woodland by waterfall
Killarney, Upper Lake (V9282) wooded lake shore
Killaun Bog (N1106) raised bog
Muckross Lake and House (V98) wooded lakeshore and grounds
Muckross, Monk's Wood (V9786) old beech woodland
Uragh Wood (V8363) oak woodland

KILDARE

Ardscull Mote (S7397) broad-leaved woodland on old castle mound
Carton (N9637) mixed woodland
Maynooth (S93) mushroom farm
Newbridge Fen [= Pollardstown Fen] (N7615) *Cladium* beds with tufa, open fen
River Liffey, Victoria Bridge (N8419) riverbank
Rye Water (O0036)
Straffan (N9326)

KILKENNY

Balliologue (S6731)
Ballykeeffe Wood (S2151) broad-leaved woodland
Castlecomer (S5475)

LAOIS

Emo Park (N5307) mixed woodland

LEITRIM

Dromahaire (G8032) mixed woodland

LONGFORD

Lough Derragh (N3979)

MAYO

Brackloon Wood (M58)
Castlebar Lough (M18)
Lough Conn (G1606) broad-leaved woodland and lakeshore
Rosserk Abbey (G2526) stream margin with trees

MONAGHAN

Carrickmacross, Nuremore Lake (H80) lakeside
marsh and scrub

OFFALY

Charleville Wood (N3222-3223) ancient broad-
leaved woodland by lake

Mongan Bog (N0330) roadside ditch

ROSCOMMON

Castlerea (M6780) broad-leaved woodland

Lough Key (G8403) mixed woodland

SLIGO

Beltra Lough (G6031) wooded lakeshore

Glencar Waterfall (G7643) woodland by
waterfall

Glen of Knocknarea (G6333) wooded gorge

Templehouse Demesne (G6317) mixed woodland

TIPPERARY

Ballina (R7172)

WATERFORD

Mahon Falls (S3009)

Passage East (S6811) hillside vegetation

WESTMEATH

Ballynafid Lake [= Lough] (N4161) fen

Glen Lough (N2866) wet meadows

Lough Slevin (N4556) mixed woodland

Scragh Bog (N4259) quaking bog

WEXFORD

Ballyhighland (S8840)

Ballyteige (S9504) sand dunes

J.F. Kennedy Park (S7319)

Lady's Island Lake (T1007)

Killoughrim (S9041) oak woodland

Oaklands (S7125)

Tintern (S7810)

WICKLOW

Avoca Wood (T2079) broad-leaved woodland

Blackditch Wood

Blessington, shore of Lacken Reservoir (N8114)
open lake shore

Carrigower (O2508) broad-leaved woodland

Derrybawn (T1495) broad-leaved woodland

Devil's Glen (T29) mixed woodland in gorge

Glen of the Downs (O2611) broad-leaved
woodland

Glendalough (T1196-1396) broad-leaved and mixed
woodland by lakes

Glendalough State Forest (T1495) broad-leaved
woodland by Avoca River

Knocksink Wood (O2117) broad-leaved woodland

Murrough (including Black Ditch Wood O3103)
saline-influenced woodland and dykes

Powerscourt (O2116) parkland with old trees

Sally Gap (O1311) montane habitat

Stepaside (O1924) garden

The Quill (O2419) damp broad-leaved woodland

Wicklow town (T39) garden

SCOTLAND

ABERDEENSHIRE (formerly in Grampian Region)

Balmoral Forest (NO2387) conifer plantations

Ben Macdhui [= Ben Macdui] (NN99) high montane
habitat

Braemar (NO19)

Claybokie (NO0889) pine woodland

Den of Pitlurg

Glen Gairn (NO3399)

Glen Lui (NO0690)

Glen Quoich, Dubh Ghleann (NO0795) ancient pine
woodland

Glentamar (NO49) pine woodland

Linn of Dee (NO0689) pine woodland

Loch Callater (NO1883)

Loch Davan (NJ4400)

Luibeg (NO0393)

Mid Quoich (NO0992) ancient pine woodland

Morrone Birkwood (NO1390-1491) birch woodland
with calcareous seepages

Invercauld Bridge, Old Bridge of Dee (NO1892)
wooded riverbank

Upper Quoich (NO0995) ancient pine woodland

ANGUS (formerly in Tayside)

Abernyte [Perthshire] (NO2631) stream along
meadow hedge

Braedownie (NO2875)

Den of Alyth (NO2950) broad-leaved woodland by
stream

Glen Doll (NO2576)

ARGYLL & BUTE (formerly in Strathclyde)

Arrochar [Dunbartonshire] (NN3004)

Barcaldine Forest [Argyllshire] (NM9742)

Glasdrum [Argyllshire] (NM9945–NN0046) broad-
leaved woodland

Glen Croe [Argyllshire] (NN2404)

Lephinmore [Argyllshire] (NR99)

Port Appin [Argyllshire] (NM9045)

CITY OF EDINBURGH

Blackford Hill (NT2570)

Edinburgh (NT25)

CITY OF GLASGOW

Glasgow (NS6576) Milton of Campsie, mushroom
farm

DUMFRIES & GALLOWAY

Caerlaverock [Dumfriesshire] (NY06)

Castlehill (NX8188)

Castle Loch [Dumfriesshire] (NY0782–0881) broad-
leaved woodland

Corsemalzie [Kirkcudbright] (NX45)

Newlaw Moss [Kirkcudbright] (NX7448)

Stronord [Kirkcudbright] (NX4564) woodland in
grounds of field centre

Torr's [Wigtownshire] (NX5289)

Tynron [Dumfriesshire] (NX89)

- Wamphray Glen [Dumfriesshire] (NY1296) broad-leaved woodland
- EAST AYRSHIRE (formerly in Strathclyde)
Craufurdland Water [Ayrshire] (NS4641)
- EAST LOTHIAN
Gullane Bents (NT4784) dunes with sea buckthorn scrub
Humbie (NT4563) lush vegetation in wet meadow
North Berwick (NT5585) mushroom farm
- FALKIRK
Limerigg (NS8570) wet heath
- FIFE
Cupar (NO3714)
- HIGHLAND REGION
Ach na Bourin [Sutherland] (NC7158)
Arcan Mains [Ross & Cromarty] (NH5053) broad-leaved woodland
Aviemore [Inverness-shire] (NH8912) bank of Spey, birch woodland
Aviemore, Craigellachie [Inverness-shire] (NH8812) birch woodland
Aviemore, Spey bank [Inverness-shire] (NH9114)
Beinn Eithe [Ross & Cromarty] (NG9965) flushes in open mixed woodland
Belladrum Burn [Inverness-shire] (NH5138)
Bohuntine [Inverness-shire] (NN2983)
Braelangwell [Ross & Cromarty] (NH6903) ancient pine woodland
Cairngorm [Inverness-shire] (NJ0004 and NH9806) ancient pine woodland and open stream margin
Cairngorm, Coire Raibeirt [Inverness-shire] (NJ0003) open montane habitat
Castletown [Caithness] (NH7442)
Cawdor Wood [Nairn] (NH84) broad-leaved woodland
Conon Island [Ross & Cromarty] (NH55)
Corrimony [Inverness-shire] (NH3729) mixed woodland above deep gorge
Culbin Forest and Sands [Nairn] (NH9057) dunes and conifer plantations
Culrossie Wood [Ross & Cromarty] (NH7978) mixed woodland, mainly pine
Dingwall [Ross & Cromarty] (NH55)
Drumguish [Inverness-shire] (NN79)
Drumnadrochit [Inverness-shire] (NH52)
Drumnadrochit, Urquhart Bay [Inverness-shire] (NH5229) alder woodland
Dulicht [Morayshire] (NJ0228) poplar woodland
Easter Fearn [Ross & Cromarty] (NH6486) birch woodland
Feshiebridge [= Feshie Bridge; Inverness-shire] (NH80) wooded bank of River Feshie
Foxhole [Inverness-shire] (NH5240) broad-leaved woodland
Glen Affric [Inverness-shire] (NH1923) ancient pine woodland
Glen Coiltie [Inverness-shire] (NH4927) wet broad-leaved woodland
Glen Einich [Inverness-shire]
Glen Glass [Ross & Cromarty] (NH5568)
Glen More [Inverness-shire] (NH9809) ancient pine woodland
Glen Shiel [Ross & Cromarty] (NH0310)
Glencoe [Argyllshire] (NN0958) alder woodland
Granish [Inverness-shire] (NH8914) birch woodland
Grantown-on-Spey [Morayshire] (NJ0326) pine woodland
Insh Marshes [Inverness-shire] (NH7901) marshes by River Spey
Insh Marshes, Invertromie Wood [Inverness-shire] (NH7899) aspen woodland
Invermoriston [Inverness-shire] (NH4117)
Isle of Eigg, Galmsdale [Inverness-shire] (NM4686)
Kinrara [Inverness-shire] (NH8708) mixed woodland
Kinrive Wood [Ross & Cromarty] (NH67)
Lairig Ghru [Inverness-shire] (NH9503-9603) open montane habitats
Ledmore Wood [Sutherland] (NH6689) oak woodland
Little Kildrummie [Nairn] (NH8653) by River Nairn
Loch Achilty [Ross & Cromarty] (NH4256) mixed woodland
Loch Achnacloich [Ross & Cromarty] (NH6673)
Loch an Eilein [Inverness-shire] (NH8908) ancient pine woodland
Loch Assynt [Sutherland] (NC2024)
Loch Eye [Ross & Cromarty] (NH8480) alder woodland
Loch Fleet [Sutherland] (NH8094) heathland and scrub
Loch Garten [Inverness-shire] (NH91) ancient pine woodland
Loch Loy [Nairn] (NH9358) ancient pine woodland
Loch Meiklie [Inverness-shire] (NH4230) alder woodland
Loch Morlich [Inverness-shire] (NH9709) ancient pine woodland
Loch na Ba Ruaidhe [Inverness-shire] (NH4933)
Loch Pityoulish [Inverness-shire] (NH9113)
Loch Shildaig [Ross & Cromarty] (NG87) broad-leaved woodland
Loch Ussie [Ross & Cromarty] (NH55) mixed woodland
Lochanhully [Inverness-shire] (NH9123) birch woodland by stream
Migdale Loch and Wood [Sutherland] (NH6590) alder and birch carr by stream and pine woodland on higher ground

- Moniack, Reelig Glen [Inverness-shire] (NH5543) mixed woodland
 Morvern, Glensanda [Argyllshire] (NM6654)
 Nairn [Nairn] (NH85)
 Nethy Bridge [Inverness-shire] (NJ0121)
 Pitmaduthy (Moss) [Ross & Cromarty] (NH7676)
 Rosemarkie [Ross & Cromarty] (NH7358) broad-leaved woodland
 Rothiemurchus [Inverness-shire] (NH9110) ancient pine woodland
 Rothiemurchus, by River Druie [Inverness-shire] (NH9107) ancient pine woodland
 Skye, Moineach Mararulin [Inverness-shire] (NG4227) acid bog
 Spinningdale and Spinningdale Bog [Sutherland] (NH6690-6790) bog with stream
 Strathglass (NH3836)
 Strathglass, Cannich [Inverness-shire] (NH3331)
 Strathrory [Ross & Cromarty] (NH67)
 Strathy Bog [Sutherland] (NC8365) bog and birch woodland
 Tarradale House [Ross & Cromarty] (NH5548) wooded grounds and saltmarsh
 The Mound (Mound Alderwood) [Sutherland] (NH7698) alder woodland
 Torboll Wood [Sutherland] (NH7498) broad-leaved woodland
 Udale Bay [Ross & Cromarty] (NH7065) alder woodland and saltmarsh
 Victoria Falls [Ross & Cromarty] (NG8971) pine woodland
- MIDLOTHIAN**
 Arniston (NT3259)
 Fanninghill Loch
 Newbattle Abbey (NT3366) broad-leaved woodland
 Pentland Hills, Carnkilton (NT1863)
 Toxside Hill (NT2854)
- MORAY (formerly in Grampian Region)**
 Auchindachy [Banffshire]
 Ballindalloch [Banffshire] (NJ1836)
 Brodie Castle [Morayshire] (NH9757) mixed woodland by lake
 Convil Braes [Banffshire]
 Falls of Tarnash [Banffshire] (NJ4449)
 Forres [Morayshire] (NJ05)
 Glen of Drumloch [Banffshire]
 Loch Park [Banffshire] (NJ3543)
 Logie [Morayshire] (NJ0050)
 Tomintoul [Banffshire] (NJ11)
 Spey Bay [Morayshire] (NJ3462)
- NORTH AYRSHIRE (formerly in Strathclyde)**
 Arran, Brodick [Bute] (NS03) woodland, possibly broad-leaved (in 1919)
 Arran, Catacol [Bute] (NR94) open glen with stream
 Arran, Correin Lochan [Bute] (NR9046) open lake margin
- Arran, Corriegills [Bute] (NS03) bogs and sea cliff
 Arran, Sannox [Bute] (NS04) broad-leaved woodland
 Arran, Sliderry [Bute] (NR92)
- ORKNEY**
 Eday (HY5531)
 Kirkwall, Brandyquoi (HY4510)
 North Ronaldsay [= N. Ronaldsay] (HY7553) near shore of island
 Orphir (HY3304)
 Stronsay (HY6525)
- PERTH & KINROSS (formerly in Tayside)**
 Balnaguard Burn (NN9451) broad-leaved woodland
 Beinn a'Chreachain (NN34) open montane habitats
 Beinn Heasgarnich (MM43) open montane habitats
 Ben Lawers (NN6139) open montane habitats
 Birks of Aberfeldy (NN8547) broad-leaved woodland
 Birnam Hill (NO0440) broad-leaved woodland
 Blair Atholl (NN86)
 Camghouran (NN5257) birch woodland
 Glen Lyon, Cashlie (NN4841)
 Comrie (NN7722) broad-leaved woodland, mainly oak
 Craig na Cailloch
 Dalnaglar Castle (NO1464, NO1465)
 Dupplin Loch (NO0319)
 Fungarth (NO0343) conifer plantations and stream
 Glen Eagles, Braco (NN8309)
 Glen Lednock (NN72)
 Glendevon (NN90)
 Grandtully (NN9052) wet broad-leaved woodland
 Loch Earn (NN6423)
 Loch Tummel (NN8159)
 Lochan an Daimh (NN7157) open marsh by pool, stream with alder
 Lochan na Lairige (NN5940)
 Meall nan Tarmachan (NN5838)
 Meikleour, North Wood (NO1540) pine plantation
 Pass of Killiecrankie (NN9161) broad-leaved woodland in gorge
 Pitlochry (NO95)
 Rannoch (NN4953)
 Rannoch, Black Wood (NN5756) ancient pine woodland
 Rannoch, Carie (NN6257) conifer plantations
 Rannoch, Loch Rannoch, north shore (NN5558) broad-leaved woodland
 Tummel Forest (NN8659) conifer plantations
 Vicars Bridge (NS9898) wooded riverbank
 Weem Castle Woods (NN8449) mixed woodland on south-facing slope
- SCOTTISH BORDERS**
 Ancrum, Ale Water [Roxburghshire] (NT6125) wooded stream gully
 Gateheugh, by River Tweed

- Newtown St. Boswell's [Roxburghshire] (NT5731) broad-leaved woodland
 Selkirk [Selkirk] (NT42)
 Yarrow [Roxburghshire] (NT32)
- SHETLAND**
 Bridge of Walls (HU2651)
 Fair Isle (HZ2271)
 Gutcher Yell (HU5499)
 Kergord (HU4055)
 Mid Yell (HU5190)
 Sand (HU3447)
 Tresta (HU6090)
 Unst (HP61)
 Vidlin (HU4765)
 Weisdale (HU3852, HU3848)
 Yell (HU59)
- SOUTH AYRSHIRE** (formerly in Strathclyde)
 Culzean Castle [Ayrshire] (NS2209) mixed woodland
 Failford, by River Ayr [Ayrshire] (NS4626) broad-leaved woodland
- SOUTH LANARKSHIRE** (formerly in Strathclyde)
 Chatelherault Country Park [Lanarkshire] (NS7353) mixed woodland by river
 Gorge of Avon [Lanarkshire] (NS75) mixed woodland by river
 Lockhart Mill [Lanarkshire] (NS8745) grazing meadow and wooded riverbank
 Stonebyres, Walker Farm [Lanarkshire] (NS8544)
- STIRLING** (formerly in Central Region)
 Aberfoyle (NN5101)
 Aberfoyle, Craigmore Wood [Perthshire] (NN5101) broad-leaved woodland
 Balmaha [Dunbartonshire] (NS4291)
 Beinn nan Eachan [Perthshire] (NN5738) open montane habitats
 Ben Chalum [= Ben Challum; Perthshire] (NN33)
 Callander [Perthshire] (NN6307)
 Crianlarich [Perthshire] (NN3825)
 Glen Lochay [Perthshire] (NN5435) broad-leaved woodland
 Loch Chon [Perthshire] (NN4105) mixed woodland and lakeshore marsh
 Loch Chon/Loch Ard [Perthshire] (NN4403) mixed woodland
 Loch Katrine [Perthshire] (NN4907) mixed woodland on shore of loch
 Loch Katrine Dam [Perthshire] (NN4906) birch woodland
 Lochan Maoil Dhuinne, Rowardennan Forest [Stirlingshire] (NS3697) broad-leaved woodland with stream
 Meall a' Churain [Perthshire] (NN43) open montane habitats
 Meall Ghaordie [Perthshire] (NN53) open montane habitats
- WEST DUNBARTONSHIRE** (formerly in Strathclyde)
 Bonhill [Dunbartonshire] (NS38)
- WESTERN ISLES**
 Barra (NF60)
 Barra, Craigston (NF6601)
 Lewis, Barvas, sand dunes
 Lewis, Loch na Gainmhich (NB22-23)
 St. Kilda (NF09)
- WALES [= CYMRU]**
- BRIDGEND**
 Porthcawl [Glamorgan] (SS8177)
- CARDIFF**
 Pentyrch [Glamorgan] (ST1082)
- CARMARTHEN** (formerly in Dyfed)
 Afon Tywi (SN7538)
 Beacon Bog (SN3516) basin mire, *Molinia* bog
 Castell Cogan (SN3214)
 Carreg Cennen Castle (SN6619)
 Coed y Gelli (SN6019) broad-leaved woodland
 Cors Farlais (SN6734) *Juncus*
 Dinefwr [= Dynevor] Park (SN6122) broad-leaved woodland and parkland
 Ffrwd Fen (SN4102) *Phragmites*
 Llandeilo (SN6222)
 Llanllwch (SN3618) unburnt raised bog
 Penallt (SN5318)
 Pencarreg (SN5345)
 Pont Aber, Sawdde Gorge (SN7322) broad-leaved woodland
 Pontarffinant Wood (SN5020) broad-leaved woodland
 Rhôs Cruglas (SN6824) *Juncus*
 Rhôs Pwllgawnen (SN2929-30) *Juncus*, *Molinia* bog
 Stradey Wood (SN4801) broad-leaved woodland
 Ynys Uchaf (SN4915) fen
- CEREDIGION** [= Cardiganshire] (formerly in Dyfed)
 Comin Esgair Maen (SN6564) valley fen
 Cors Caron (SN6862/3/4 and SN7166) raised bog, grazed river fen
 Cors Caranod (SN5664) valley fen and wet heathland
 Cors Fochno (SN6392) raised bog
 Cors Gorsgoch (SN4850) valley and basin mire
 Cors Llyn Farch a Llyn Fanod (SN5963) basin mire
 Cwm Ystwyth (SN8587) watershed mire
 Figyn Blaen Brefi (SN5773) *Molinia* and *Trichophorum* bog
 Gwaun Garthenor (SN6355) wet flood meadow
 Gwaun Ystrad Caron (SN6759) floodplain mire
 Llandre
 Llynoedd Ieuan (SN8081) blanket mire
 Neuadd Fawr [= Neuadd-fawr] (SN5438)

- Pentwd Marshes (SN1845) river fen with *Glyceria*
- Rhôs Cilcennin (SN5261)
- Rhôs Llawr Cwrt (SN4249/4149) *Juncus* wet meadow, peat
- Rhôs Rhydd (SN5773) basin mire, peat *Molinia* bog
- Salem (SN6785) valley fen
- Ynys Eidiol (SN6795) *Phragmites*, *Molinia* bog
- CONWY (formerly in Gwynedd)
- Bettws [= Betws-y-Coed; Caernarvon] (SH7955)
- Blaen y Wergloedd [Denbighshire] (SH9163) grazed grassland and fen
- Bodnant [Caernarvon] (SH8072)
- Bwlch y Ddeufaen [Caernarvon] (SN7171) moorland flushes
- Coed Dolgarrog [Caernarvon] (SH7766) broad-leaved woodland
- Migneint [Caernarvon] (SH 777447) blanket bog
- Nûg [Denbighshire] (SH9350) raised bog
- Plas Islyn Bog (SH881501) poor fen
- DENBIGHSHIRE
- Cefn Geirch, by Afon Alwen (SJ0146)
- Gatewen Marsh (SJ 318514) *Typha latifolia*
- Gors Maen-llwyd (SH9858) blanket bog remnant
- Hafod Wood (SJ0068) broad-leaved woodland
- Llyn Creiniog (SH 926653) humid heath and grazed poor fen
- Llyn Fawnog (SH 852744) *Carex rostrata*
- Llyn Tyn y Llyn (SH 846704) *Carex rostrata*
- Merddwr (SH 903498) grazed *Eriophorum* bog
- FLINTSHIRE [formerly in Clwyd]
- Cefn-y-Bedd (SJ3156)
- Ffrith (SJ2855)
- GWYNEDD
- Aber Valley [Caernarvon] (SH6671) broad-leaved woodland
- Arthog Bog (SH6314) raised bog
- Bangor [Caernarvon] (SH5772)
- Brithdir-Isaf [Merioneth] (SH4751)
- Bwlch y Dolenfawr (SJ1765)
- Bwlch y Dwr (SH9929) blanket bog
- Cadair Idris [= Cader Idris] (SH7113) open montane habitats
- Chardeon (SH6417) grazed reed bed
- Coed Caeddfydd [Caernarvon] (SH6146) broad-leaved woodland
- Coed Crafnant [Caernarvon] (SH6229) broad-leaved woodland
- Coed Dol y Bebin (or Dolbebin) (SH6127) broad-leaved woodland
- Coed Gorswen [Caernarvon] (SH7571) broad-leaved woodland
- Coed Tremadog [Caernarvon] (SH54) broad-leaved woodland
- Coed y Brenin [Merioneth] (SH7326) broad-leaved woodland
- Coed y Rhygen [Merioneth] (SH6837) broad-leaved woodland on lake shore
- Cors Barfog [Merioneth] (SN6598) ungrazed basin mire
- Cors Geirch (SH3037, SH3235) *Schoenus nigricans*, *Sphagnum* and *Phragmites*, grazed *Molinia* and *Myrica*
- Cors Graianog (SH4945) *Molinia* bog, peat cutting, basin mire, grazed wet heath
- Cors Gyfelog (SH4548, SH4647) *Sphagnum*, *Carex limosa*, *Phragmites*, floodplain fen
- Crawcwellt [Merioneth] (SH6930) grazed *Molinia* bog, *Carex rostrata*
- Cwm Bychan [Merioneth] (SH6434) marginal vegetation by upland lake
- Cwm Crafnant [Caernarvon] (SH7460)
- Dolgellau [= Dolgelley; Merioneth] (SH7217)
- Glan y Wern [Merioneth] (SH6035)
- Hafod Garregog [under Caernarvon and Merioneth] (SH6044) broad-leaved woodland (Levey & Pavett), *Molinia* bog (Holmes, Boyce & Reed)
- Hermon Copper Bog (SH7325) thrift flush
- Islau dref [Merioneth] (SH61)
- Llanbedr [Merioneth] (SH5826)
- Llandecwyn [Merioneth] (SH6337)
- Llandwrog (SH4556)
- Llyn Gwynant (SH6452)
- Llyn Llennyrch (SH6537)
- Llyn Pencraig (SH7758) *Molinia* and *Phragmites*
- Llyn Tyn y Mynydd (SH6659) wet heath
- Llyn Ystumllyn (SH5338, SH5539) floodplain fen (*Sphagnum*, *Phragmites*)
- Pont Croesor [Merioneth] (SH5941)
- Rhôsgyll Fawr (SH4541) *Molinia* and *Sphagnum*
- Trawsfynydd (SH7033) *Molinia* and *Myrica*
- Vaynor Wood [Caernarvon]
- ISLE OF ANGLESEY [= Ynys Mon] (formerly in Gwynedd)
- Aberffraw (SH3569)
- Cors Bodeilio (SH5077) *Cladium* bed
- Cors Clegyrog (SH3889) acid basin mire
- Cors Erddreiniog (SH4681, SH4783) fen with *Cladium*, wetland, *Phragmites*
- Cors Goch (SH4581) *Cladium* bed
- Fedw Fawr (SH 602819) wet heath
- Fferam Paradwys (SH4270)
- Gwenfro (SH5079) *Glyceria*, wet meadow, *Phragmites*
- Llyn Hafodol (SH3989) floating fen
- Newborough Warren (SH4066) conifer plantations
- Red Wharf (SH5381)
- Rhôs-y-gad (SH5078) calcareous fen
- The Dingle (SH4576)
- Tre Wilmot (SH2281) basin mire

MONMOUTHSHIRE (formerly Gwent)

- Black Cliff (ST5398) broad-leaved woodland on limestone
 Bloreng (SO2510) upland mire
 Cleddon Bog (SO 509041) *Molinia* bog
 Glyn Wood (SO5200) broad-leaved woodland
 Grondra Great Wood (ST4993) broad-leaved woodland
 Langstone (ST3889) wet meadow
 Little Wenallt (SO5099)
 Magor Marsh (ST4286) grazed *Carex riparia*
 Skenfrith (SO4520) wooded bank of River Monnow
 The British (SO2504) old mining spoil heaps with developing vegetation and stream
 Tregate Bridge (SO4716) willow and alder carr by River Monnow

NEATH/PORT TALBOT

- Cefn Grwhyd, Neath (SN7206) valley mire
 Gors Llwyn (SN8510, SN8511) fen (*Phragmites*, *Carex*), ombrotrophic mire
 Pant-y-Sais (SS7194) *Phragmites*, *Molinia* bog

PEMBROKESHIRE (formerly in Dyfed)

- Aber Mawr (SM8834) *Phragmites* and cinquefoil
 Brynberian Moor (SN1234) *Sphagnum* and bog myrtle
 Castlemartin Corse (SR8999) meadow (*Juncus*, *Iris*)
 Cilast Isaf (SN2140)
 Coed Tycanol (SN0936) broad-leaved woodland
 Cors Penally (SS1198) fen (*Carex riparia*, *Phragmites*)
 Cwm Dewi (SN 010399) *Carex riparia*
 Dinas Head (SN0041)
 Dowrog Common (SM7827) *Carex* valley fen
 Dyffryn Gwaun (SN0434) grazed meadow, *Juncus* fen, *Molinia*
 East Trewent Wood (SR9995) broad-leaved woodland
 Freshwater East (SS0198)
 Grassholm (Island) (SM5909) rocky island with seabird colonies
 Kilgetty [= Killgety] (SN1307) mushroom farm
 Llangloffan Fen (SM8931) grazed fen
 Portheiddy Moor (SM 808314) grazed, sedge-rich fen
 St. David's Airfield (SM7826) wet heath, *Typha*
 Skokholm [Island] (SM7395) island with seabird colonies
 Skomer Island (SM7209) island with seabird colonies
 Stackpole Quay (SR9997) coastal cliffs
 The Ritec (SN1001) *Phragmites*
 Trefeiddan Moor (SM7325) basin mire, bogbean
 Waun Isaf (SN1429) damp heath
 Western Cleddau (SM9131) horsetails and *Carex paniculata* fen

POWYS

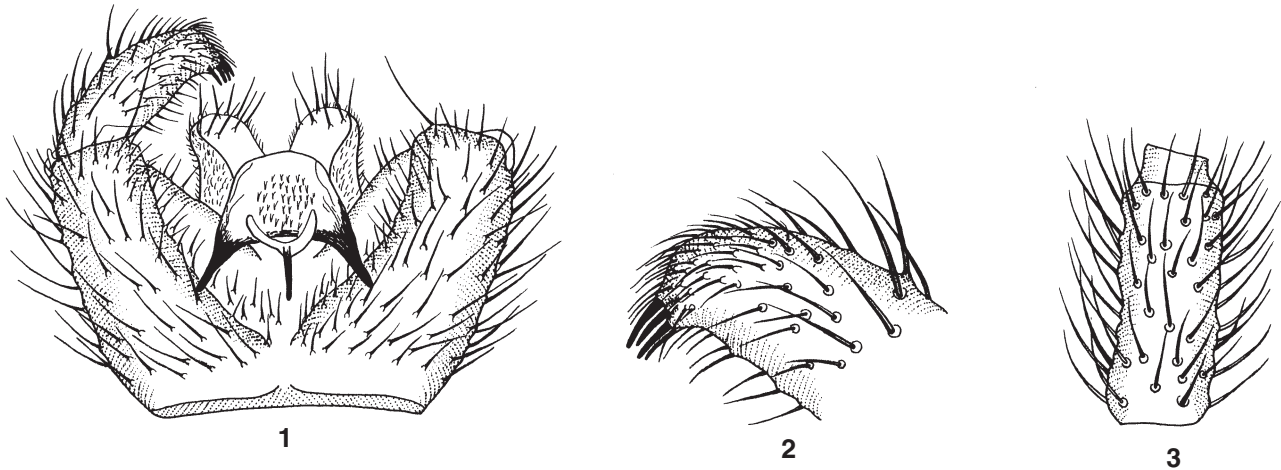
- Aberithon Turbary (SO0157) brown moss, cinquefoil
 Afon Bran [Breconshire]
 Blaen Cilieni (SN8938) *Carex paniculata*, *Molinia* heath
 Blaen Glaswen [Montgomeryshire] (SJ 031301) watershed blanket bog
 Brechfa Pool (SO1137)
 Cilkenny Dingle [Radnorshire] (SO1741) broad-leaved woodland
 Colwyn Brook (SO0755) *Carex acutiformis* fen
 Cors Lawnt (SJ0412) valley mire
 Cors-y-Llyn (SO0155) acidic mire
 Gors Goch (SN8963) blanket bog
 Crickhowell [Breconshire] (SO2118)
 Duthlas [Montgomeryshire] (SO2178)
 Grwyne Fechan [Breconshire] (SO2226)
 Illtyd Pools (SN9625) *Juncus* basin mire
 Llanbrynmair Moor (SH9404) blanket bog
 Llangammarch Wells [Breconshire] (SN9347)
 Llyn Coethlyn (SJ0114) basin mire, wet heath
 Llyn Gwynllyn [Radnor] (SN 946692) *Molinia* bog
 Rhôsgoch (SO1947) *Juncus* fen
 Ton Dingle [Montgomeryshire] (SO2690) broad-leaved woodland
 Y Gors [Breconshire] (SN 874298) floodplain mire
 SWANSEA/ABERTAW (formerly West Glamorgan)
 Cefn Bryn (SS 510909) humid heath
 Crymlyn Bog [Glamorgan] (SS6894-6994) damp heath, *Carex*
 Fairwood Common (SS5792) *Juncus*
 Llanon (SN5408) *Molinia* bog, ungrazed heather
 Oxwich (SS5087) *Phragmites*
 Rhôsili Down (SS4290) damp heath
 Welsh Moor (SS 926522) humid heath
 VALE OF GLAMORGAN (formerly Mid Glamorgan)
 Penarth (ST1871)
 St. Bride's Major [Glamorgan] (SS8974) broad-leaved woodland
 WREXHAM (formerly in Clwyd)
 Bersham (SJ3149)
 Glyn Ceiriog [Denbighshire] (SJ2038)
 Llay [Denbighshire] (SJ3255)
 Sontley Marsh (SJ3347) fen
 Vicarage Bog (SJ3653) *Sphagnum* kettlehole

DESCRIPTION OF THE NEW SPECIES

***BRADYSIA AUSTERA* MENZEL & HELLER SP. NOV.**

(FIGS 1–3)

Type locality: Lom, 2 km north-east of Libkovice [south-west of Duchcov], 50°35'10"N 13°41'30"E (Czech Republic).



Figures 1–3. *Bradysia austera* Menzel & Heller **sp. nov.**, male. Fig. 1. Hypopygium in ventral view. Fig. 2. Apical part of gonostyle in ventral view. Fig. 3. 4th flagellomere.

Holotype: male, 280 m a.s.l., small pond with willows and rich reed beds, malaise trap, 14.v.–15.vi.1998, Barták leg.

Paratypes: 1 male, same location, malaise trap, 25.vi.–23.vii.1998, Barták leg.; 1 male, Cork, Gearagh (Ireland), old oak-ash woodland on a stream with alder, willow and birch, sweep net, 31.vi.1990, de Courcy Williams leg.; 1 male, Cork, Gearagh, Annahala bog (Ireland), damp meadow and bog with willow, *Juncus*, *Typha* and *Osmunda*, sweep net, 25.viii.1990, de Courcy Williams leg.; 1 male, Sachsen, Leipzig (Germany), nature reserve ‘Burgau’ in north-west area of the town, 96 m a.s.l., riverine forest with pedunculate oak, ash, hornbeam, sycamore and maple, sweep net, 4.v.1993, Metzner leg.; 1 male, no. 865, Schleswig-Holstein, Kiel (Germany), garden in the University, light trap, 23.vii.1994, Kolligs leg.; 1 male, 2 females, nos. 870, 876 and 962, Schleswig-Holstein, nature reserve ‘Alte Sorge’ at Meggerdorf (Germany), lowland moor, damp fallow ground, photo-elector, 2.v.–14.v.1994, Heller leg.; 7 males, 4 females, nos. 862–864, 868–869, 875 and 877, same locality data, 14.v.–1.vi.1994, Heller leg.; 4 males, 1 female, nos. 835, 866–867 and 873, same locality data, 15.vii.–15.viii.1994, Heller leg.; 6 males, same locality data, 15.viii.–1.ix.1994, Heller leg.; 2 males, no. 931, same locality data, 15.ix.–1.x.1994, Heller leg.; 3 males, nos. 2694–2695, Schleswig-Holstein, Wankendorf (Germany), damp fallow grassland, photo-elector, 17.v.–31.v.1994, Hingst leg.; 1 male, no. 2724, same locality data, 13.vi.–27.vi.1995, Hingst leg.

Location of types: holotype in the collection of DEI; paratypes in the collections of DEI (10 males, 1 female), NMID (1 male) and PKHH (18 males, 6 females).

Other material: 1 male, England, Norfolk, Middle Harling (Great Britain), 28.vi.–12.ix.1988, Foster & Procter leg. (PBLN); 2 males, England, Norfolk, Reedham (Great Britain), 27.x.1988, Foster & Procter leg. (PBLN); 2 males, Scotland, Perth & Kinross, Loch Tummel, viii.1939, Edwards leg. (BMNH); 1 male, Wales, Ceredigion, Cors Caranod (Great Britain), 23.vii.1987, Holmes, Boyce & Reed leg. (PPWM); 1 male, Wales, Ceredigion, Cors Caron (Great Britain), 15.vi.1987, Holmes, Boyce & Reed leg. (PPWM); 1 male, Wales, Ceredigion, Gwaun Ystrad Caron (Great Britain), 26.vi.1987, Holmes, Boyce & Reed leg. (PPWM); 1 male, Wales, Pembrokeshire, Castlemartin Corse (Great Britain), 14.x.1987, Holmes, Boyce & Reed leg. (PPWM); 1 male, Wales, Swansea/Abertawe, Crymlyn Bog (Great Britain), 14.vi.1989, Holmes, Boyce & Reed leg. (PPWM).

Etymology: The name (Latin: *austera* = dark) comes from the dark bristles on the thorax and abdomen as well as the unicolourous dark brown base of the antenna (scape, pedicel, 1st and 2nd basal flagellomeres). In contrast, the base of the antenna of the closely related species *Bradysia subaprica* Mohrig & Krivosheina is distinctly pale yellow.

Description. Male. **HEAD:** eyebridge narrow, 2 facets wide. Antennae moderately long and dark; basal segments dark brown; 4th flagellomere (Fig. 3) 2.8–3.1 times as long as wide; setae coarse, dark and erect but curved and almost as long as flagellomere width; basal part with rough surface structure and long sensilla; necks short and well differentiated; necks of flagellomeres 1–7(8) unicolourous dark brown, necks of flagellomeres 8(9)–13 whitish and bi-coloured. Praefrons strong and long with relatively dense, pale brown bristles; clypeus almost bare (with only 1–2

bristles). Palpi moderately long, 3-segmented and yellowish; basal segment slightly hump-backed with 2–4 bristles (one distinctly longer than the others); sensory area simple, without distinct margin or pit; sensilla long, curved and pale; apical segment 0.7–0.9 times as long as basal segment; 2nd segment longish-oval, about 2/3 as long as the apical segment with distinctly longer outer bristle. THORAX: dark brown with widespread lateral bright yellow colouration. Postpronotum bare. Mesonotum with stronger, darker brown setae (yellowish on faded specimens) and long, lateral and medial bristles. Katepisternum triangular, deeper than wide. Scutellum usually with 2 (rarely 3) very long marginal bristles among other setae. Legs long and strong; coxae and femora light brown to yellow; tibiae and tarsi darker due to dense setae; anterior tibia with 2–5 spines among other setae (sometimes weakly developed); anterior femur strong but not distinctly thickened; apex of anterior tibia with narrow comb of bristles in a single row (4–6 coarse bristles); middle and posterior tibial spurs slender and subequal; posterior tibia with dorsal row of spines; apex with a circle of spines. Claws with fine teeth. Wings smoky-brown with well developed anal area; posterior wing veins strong and, like the wing membrane, without macrotrichia; fork of M long-attenuated, weakly curved with M_1 and M_2 wide apart; stem of M slightly longer than fork of M; $x = 1.1–1.4$ y, both bare or y with 1–3 distal macrotrichia; stem of $CuA = 0.5–0.7$ x; R_1 short = $0.4–0.5$ R and joining c well before base of fork of M; R_5 with only dorsal macrotrichia (very rarely with 1–2 ventral macrotrichia on apical part); $C = 2/3–4/5$ w. Halteres with short stalk, pale yellow to light brown. ABDOMEN: brown; body setae strong, long and dark (setae pale only on ventral side of abdomen). Hypopygium (Fig. 1) compact, slightly wider than high and yellowish brown; ventral base of genitalia without basal lobe or dense bristle group; ventral inner side of gonocoxites with short dark setae. Gonostyles slender, about 2.7 times as long as wide and flattened apically (Fig. 2); apex darker brown with darker, dense coarse bristles; apical tooth missing; apex rather flat, with distinct subapical spine group (4–5 curved, very closely aligned spines; all strong, dark brown and almost subequal). Tegmen slightly wider than high, brown and weakly sclerotized; apex flatly rounded; area with teeth large and circular with very coarse, long, single tipped teeth. Aedeagus short with slender genital apodeme with sclerotized, semicircular base. Body length: 1.8–2.2 mm.

Female. Antennal flagellomeres distinctly shorter; 4th flagellomere 2.0–2.2 times as long as wide; thorax laterally also partly bright yellow as in male; wings slightly larger; all other characteristics as for males. Body length: 2.3–2.5 mm.

Discussion. The new species belongs to the *Bradysia fungicola*-group. It is closely related to *Bradysia subaprica* Mohrig & Krivosheina, 1989, for which only the type material from far eastern Russia is known to date. In the past, the specimens examined from Europe were often wrongly identified as *Bradysia subaprica*, so that there are also several incorrect literature citations. *Bradysia austera* differs from *Bradysia subaprica* by the narrower, 2-facet-wide eyebridge, the unicolourous dark brown base to the antennae, the slightly longer flagellomeres (length-width index = 2.8–3.1), the bi-coloured bands on the necks from the 8th flagellomere onwards and a slightly wider apex on the gonostyles that is less narrow below the spine group particularly on the inner side. The original description for *Bradysia subaprica* gave a wider, 3-facet-wide eyebridge, pale yellow on the base of the antennae as far as 2nd flagellomere, the 4th flagellomere only 2.2 times as long as wide and a narrower and more distinct point to the apex of the gonostyles.

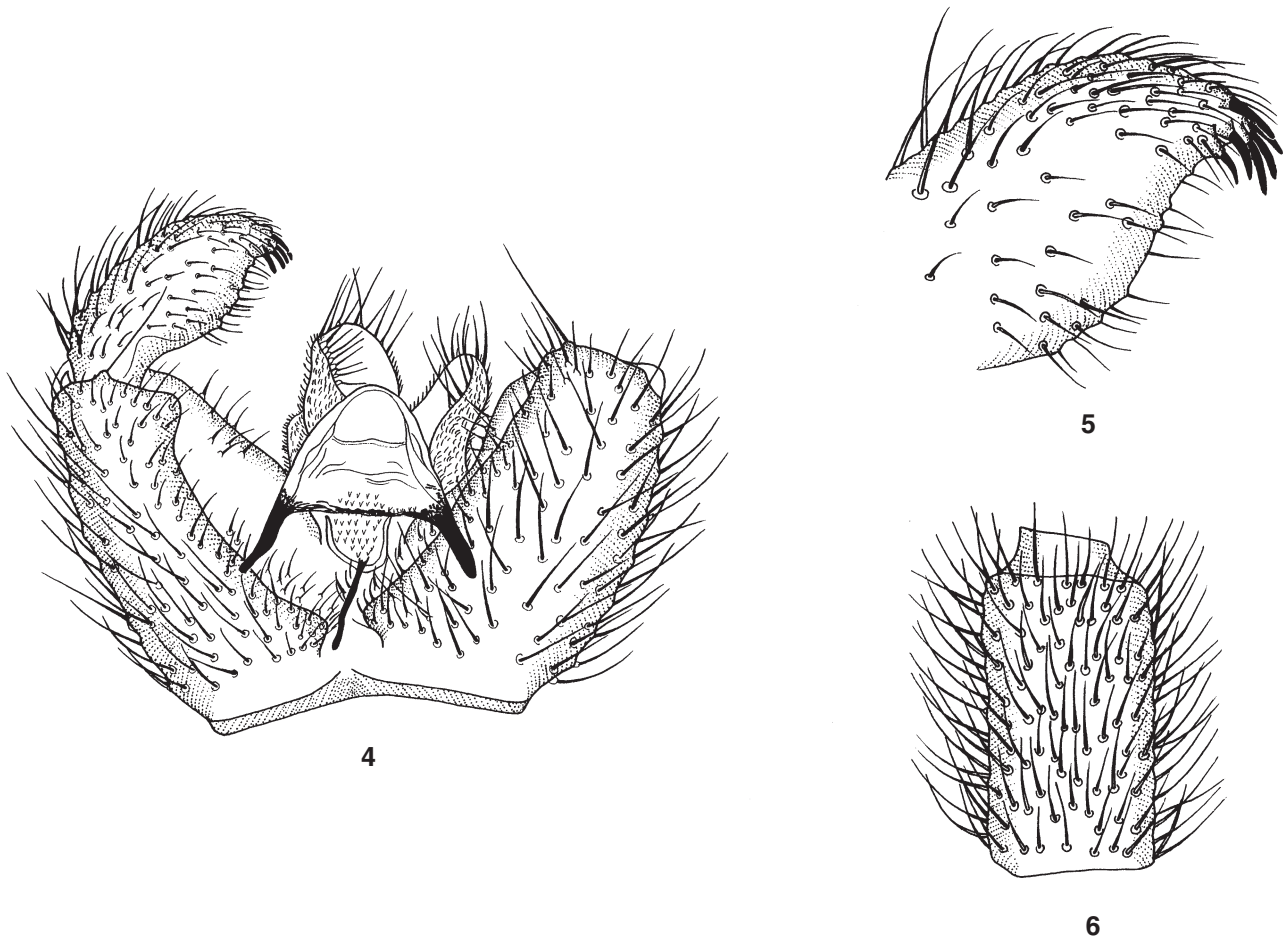
BRADYSIA ISMAYI MENZEL SP. NOV.

(FIGS 4–6)

Type locality: England, Essex, Chigwell Row, Chigwell Row Wood (Great Britain).

Holotype: male, 65–75 m a.s.l., heathland (heather) with oak and holly, aerial trap, 11.vi.2002, Ismay & Schulten leg.

Paratypes: 1 male, same locality data, 20.vi.2002, Ismay & Schulten leg.; 2 males, England, Essex, Chigwell Row, Chigwell Row Wood (Great Britain), 65–75 m a.s.l., ancient woodland with oak, hazel and bramble, aerial traps, 23.v.–27.v.2002 and 18.vi.2002, Ismay & Schulten leg.; 1 male, England, Essex, Epping Forest (Great Britain), ancient broad-leaved woodland and grassland, Malaise trap, v.1999, Dagley leg.; 3 males, England, Norfolk, Norwich, The Loke (Great Britain), garden, Malaise trap, 21.viii.–24.viii.1989, 28.iv.–4.v.1990 and 21.viii.1992, all Lawrence leg.; 1 male, England, Oxfordshire, Oxford, Milham Ford School (Great Britain), school grounds with old poplars, Malaise trap, 18.v.–22.v.2001, Webb leg.; 2 males, Wales, Pembrokeshire, Coed Tycanol (Great Britain), mixed woodland, Malaise trap, 10.vi.–29.vi.1999, Levey & Pavett leg.; 1 male, Scotland, Highland Region, Migdale Loch (Great Britain), alder and birch carr by stream surrounded by pine woodland on higher ground, sweep net, 31.v.2002, Chandler leg.; 1 male, Wales, Gwynedd, Hafod Garregog (Great Britain), broad-leaved woodland, Malaise trap, 18.ix.–28.ix.1999, Levey & Pavett leg.; 1 male, no. 1891, Rhineland-Palatinate, Eifel, Daun district, Gönners-



Figures 4–6. *Bradysia ismayi* Menzel *sp. nov.*, male. Fig. 4. Hypopygium in ventral view. Fig. 5. Apical part of gonostyle in ventral view. Fig. 6. 4th flagellomere.

dorf (Germany), grassland with fruit trees, Malaise trap, 21.v.1994, Cölln leg.

Location of types: holotype in the collection of DEI; paratypes in the collections of DEI (3 males), HRI (1 male), PBLN (3 males), PKHH (1 male) and PPCM (5 males).

Other material: 1 male, England, Hampshire, Beaulieu River (Great Britain), 22.v.1936, Edwards leg. (BMNH); 1 male, England, Hertfordshire, Letchworth (Great Britain), ix.1936, Edwards leg. (BMNH).

Etymology: The new species was named after the dipterist Dr John Ismay (Oxford University Museum of Natural History, Oxford) in recognition of his long service in collecting Diptera. He has contributed greatly to the knowledge of the British sciarid fauna.

Description. Male. HEAD: eyebridge 2–3 facets wide. Antennae short, strong and dark; basal segments dark brown; 4th flagellomere (Fig. 6) 2.0–2.2 times as long as wide; setae of flagellomere dense, pale and erect but

curved (some setae closely aligned giving the impression of a whorl); setae about 1/2 as long as flagellomere width; basal part with rough surface structure; necks well differentiated and unicolourous dark brown. Face with strong, long, dark brown bristles. Palpi long, 3-segmented and dark; basal segment hump-backed with 2–4 bristles (one distinctly longer than the others); sensory area large with deep pit; sensilla short, dark and almost straight; 2nd and 3rd segments narrow; apical segment 1.2 times as long as basal segment; 2nd segment long-rod-like, =2/3–3/4 times as long as basal segment and with long outer bristle. Thorax dark brown to black laterally with only a few paler areas. Postpronotum bare. Mesonotum with strong and coarse, dense, distinctly dark bristles as well as several longer lateral and medial bristles. Katepisternum triangular, deeper than wide. Scutellum with four longer marginal bristles among other setae. Legs long and strong; coxae, femora and tibiae unicolourous dark brown; anterior tibia with spines among other setae; anterior femur strong but not dis-

tinctly thickened; apex of anterior tibia with comb of bristles in a single row (6–9 paler bristles extending to about middle of tibia); middle and posterior tibial spurs slender and subequal; posterior tibia with dorsal spine row; apex of posterior tibia with cirlet of spines. Claws without teeth. Wings distinctly brown with well-developed anal area; posterior wing veins strong and, as membrane, without macrotrichia; fork of M long-attenuated, base uniformly curved; M_1 and M_2 diverge in apical third; stem of M slightly shorter than fork of M; $x = 1.0\text{--}1.2 y$; x bare and y with bristles (y on distal half or completely with macrotrichia); stem of CuA = $0.6\text{--}0.7 x$; R/R₁-vein complex joining c before base of fork of M (with relatively long R and short R₁); $R_1 = 0.6\text{--}0.7 R$; R₅ with macrotrichia on both sides (ventral macrotrichia on apex of wing as far as R₁-intersection, sometimes over entire R₅); $C = 2/3 w$. Halteres dark brown with short stalk. ABDOMEN: dark brown but paler than thorax; body setae strong, dense and dark. Hypopygium (Fig. 4) compact and slightly wider than high; setae distinctly coarse and dark brown to black; ventral base of genitalia without basal lobe and without dense bristle group; ventral inner side of gonocoxites with short, dark setae. Gonostyles slender, about 2.5 times as long as wide and pointed at apex (Fig. 5); inner side in middle third (especially dorsally) with cheek-like swelling; apex without apical tooth and with 5–6 strong-short spines (arranged in two groups, one above the other; 2 + 3 or 2 + 4 spines). Tegmen about as high as wide, strongly sclerotized and more tapered apically; basal structure strong, long and thick; area with teeth large and circular with coarse, single tipped teeth arranged in rows. Aedeagus short with wide, semicircular, weakly sclerotized base. Body length: 3.6–4.0 mm.

Female. Unknown.

Discussion. The new species is very similar to *Bradysia hortensis* Heller, 2000, in its genital structure. However, it differs markedly in body length (*Bradysia hortensis* Heller, contrary to the original description, is only 2.7 mm) and in the distinctly longer flagellomeres (4th flagellomere almost twice as long as in *Bradysia hortensis*). Additionally, *Bradysia ismayi* has a very dark body (incl. genitalia) with uniformly dark brown legs and halteres, large and strongly clouded wings, a higher tegmen with a smaller area of teeth and shorter teeth as well as a more distinctly narrow apex to the gonostyles. While the spines on the gonostyles of *Bradysia hortensis* are arranged in a circle and on a relatively broadly demarcated and well-marked elevation, those of *Bradysia ismayi* are in 2 narrow groups one over the other. In the new species the lobe-like elevation on which the spines are set in *B. hortensis* is missing due to the strongly pointed gonostyles.

Using the key in Menzel & Mohrig (2000), these two species could not be assigned to any of the species group concepts as currently defined. At first glance, the *Bradysia giraudii*-group or the *Bradysia melanura*-group could be considered, but because of the absence of several characters they do not fit either of these species groups. In particular, R₁ joining c before the base of the fork of M, the narrow comb of bristles on the anterior tibia, the conically narrowed tegmen, the pointed gonostyles with cheek-like swellings on their inner sides, as well as the sparse covering of spines so that the apex of the gonostyles is not extensively surrounded by the group of spines: these characters exclude the species from the *Bradysia melanura*-group. On the other hand, these species cannot be assigned to the *Bradysia giraudii*-group because they do not have clubbed gonostyles with broadly rounded apices, nor a hook-like apical tooth, and no long spines on raised sockets. For this reason the ***Bradysia hortensis*-group** is established, to which initially the two species *Bradysia hortensis* and *Bradysia ismayi* are assigned. It is distinguished in particular from the *Bradysia giraudii*-group by the following characters: antennal setae short, dense and fine, at most 1/2 as long as the antennal width; apex of anterior tibia with a narrow comb of bristles (extending at most to the middle of the tip); R₅ with an extensive covering of macrotrichia on both sides (at least isolated macrotrichia extending from wing apex to the tip of R₁); gonostyles much narrower and pointed at apex, apex without apical tooth and with only a group of apical spines; spines short, strong, closely aligned and not displaced as far as the outer side of the gonostyle; all spines on gonostyles on short sockets; middle of dorsal inner sides of gonostyles with cheek-like swelling; tegmen conically narrowed and narrowly rounded at apex.

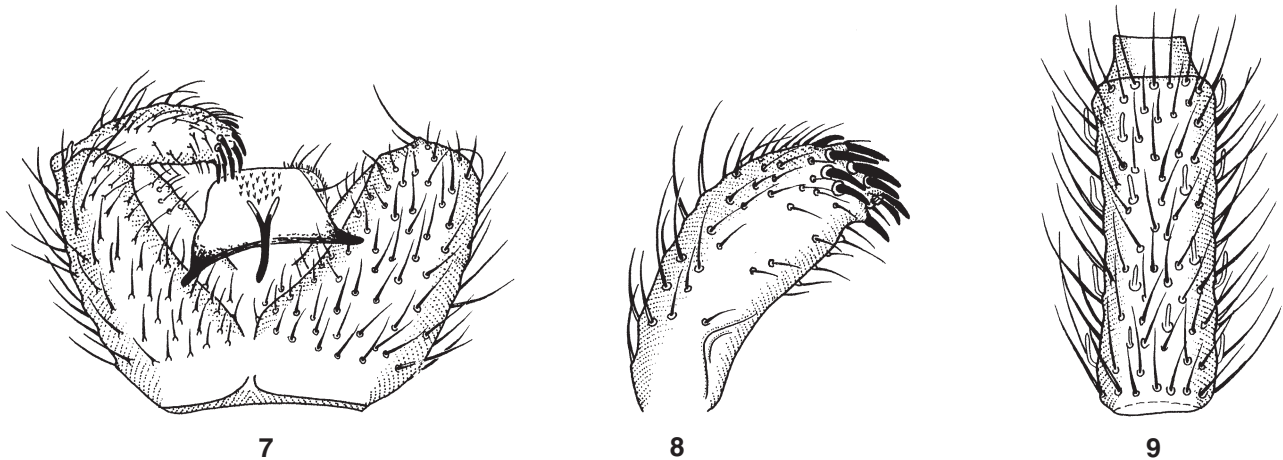
***BRADYSIA NIGRISPINA* MENZEL SP. NOV.**

(FIGS 7–9)

Type locality: Hrubý Jeseník, Velká Kotlina near Malá Morávka (Czech Republic).

Holotype: male, 1185 m a.s.l., meadow by the source of the river Moravice (Daphne-Aceretum), pitfall trap, 7.vi.1995, Frouz leg.

Paratypes: male, England, Warwickshire, Wellesbourne (Great Britain), aerial trap outside mushroom farm, 5.vii.–19.vii.2001, J.E. Smith leg.; 1 male, England, Northumberland, 'Berwick' [= Berwick-upon-Tweed] (Great Britain), garden, Malaise trap, 24.v.–7.vi.1996, Laurence leg.; 2 males, same locality data, water trap, viii.1999 and ix.1999, Laurence leg.; 1 male, Norfolk, Norwich, The Loke (Great Britain), garden, 2.iii.1993, Laurence leg.; 1 male, Silkeborg



Figures 7–9. *Bradysia nigrispina* Menzel **sp. nov.**, male. Fig. 7. Hypopygium in ventral view. Fig. 8. Gonostyle in ventral view. Fig. 9. 4th flagellomere.

(Denmark), from Lengersdorf identified as ‘? *triseriata*’, 16.v.1929, Nielsen leg.

Location of types: Holotype in the collection of DEI; paratypes in the collections of DEI (1 male), HRI (1 male), PBLN (3 males) and ZFMK (1 male).

Other material: 1 male, England, Hertfordshire, Letchworth (Great Britain), vii.1918, Edwards leg. (BMNH); 2 males, England, Shropshire, Shrewsbury (Great Britain), 21.vii.1920, Edwards leg. (BMNH).

Etymology: The name ‘*nigrispina*’ describes the distinct black colour of the spines on the gonostyles that is in distinct contrast to the pale brown colour of the genitalia (latin: *niger* = black; *spina* = spine).

Description. Male. HEAD: eyebridge 2 facets wide. Antennae long and unicolourous brown; all flagellomeres about same length and slightly rough; 4th flagellomere (Fig. 9) 2.9–3.4 times as long as wide; setae dense, erect, fine and pale, about as long as flagellomere width; basal part with long sensilla among setae; necks short, well differentiated and unicolourous brown. Face with very fine, pale yellow setae. Palpi long, 3-segmented and pale; basal segment hump-backed with 4–7 bristles (one distinctly longer than the others); sensory area on the basal segment large and dark with a deep pit; sensilla long and slightly curved; apical segment very long and narrow, 1.3 times as long as basal segment; 2nd segment longish-oval and 0.6–0.7 times as long as apical segment. THORAX: dark brown, laterally yellowish. Postpronotum bare. Mesonotum with fine, sparse, whitish setae and several strong, distinctly pale, lateral and medial bristles. Scutellum well differentiated with 2 long, strong marginal bristles. Katepisternum triangular, deeper than wide, not

elongated. Coxae and legs pale brown, anterior legs partly yellowish, anterior tibiae with several spines among other setae; apex of anterior tibia with comb of bristles in a single row (5–7 pale bristles); middle and posterior tibiae with 2 subequal spurs; posterior tibia with dorsal row of spines; apex of posterior tibia with circlet of spines. Claws without teeth. Wings large and pale with well-developed anal area; posterior wing veins weak, very pale and, as the wing membrane, without macrotrichia; stem of M longer than fork of M; fork of M long and narrow; M_1 and M_2 partially parallel, diverging towards wing margin; $x = 1.1–1.9 y$, both bare; stem of CuA = $1/2–4/5 x$; $R_1 = 0.6–0.8 R$, joining c well before base of fork of M; apical part of R_5 with macrotrichia on both sides (with 5–9 ventral macrotrichia); $C = 3/5 w$. Halteres with short stalk, whitish-yellow. ABDOMEN: brown, distinctly paler than thorax; body setae very fine, whitish and moderately long. Hypopygium (Fig. 7) wider than high, pale brown, with fine, pale bristles; ventral base of gonocoxites without basal lobe or tuft of setae; inner side v-shaped with sparse and short setae. Gonostyles (Fig. 8) long-attenuated, 2.8–3.0 times as long as wide; base distinctly tapered; inner side uniform, without emargination or excavation; apex on outer side with small, claw-like, backward set tooth; with 7–10 coarse, subequal and distinctly dark spines underneath; all spines curved inwards and downwards, closely aligned and covering whole apex; apical setae fine, short and very sparse. Tegmen wider than high and trapezoidal; apex flattened and membranous; area with teeth large and circular, with long, single tipped teeth. Genital apodeme short, with weakly sclerotized, funnel shaped base. Body length: 2.0–2.3 mm.

Female. Unknown.

Discussion. The new species has all the characteristics of the *Bradysia tilicola*-group, in particular the dark, very deep sensory area on the basal segment of the palpi, the fine comb of bristles on the anterior tibiae, the untoothed claws, the sparse-short hairs on the mesonotum, the 2 strong marginal bristles of the scutellum and the longish gonostyles with rounded apex, with apical/subapical spine group and a reduced, short hook-shaped tooth. The genitalia in *Bradysia nigrispina* and *Bradysia albochaeta* Mohrig & Mamaev, 1985 are very similar. The distinguishing characteristics in *Bradysia nigrispina* are the longer flagellomeres, the very pale halteres and the pale brown hypopygium with distinct black-brown spines. The apex of the gonostyles covered with very dark spines is very characteristic and stands in distinct contrast to the general colour of the genitalia. The whitish, extremely fine and weak body setae are very distinctive (especially on the mesonotum and scutellum, coxae and femora, abdomen and hypopygium including the stronger marginal bristles).

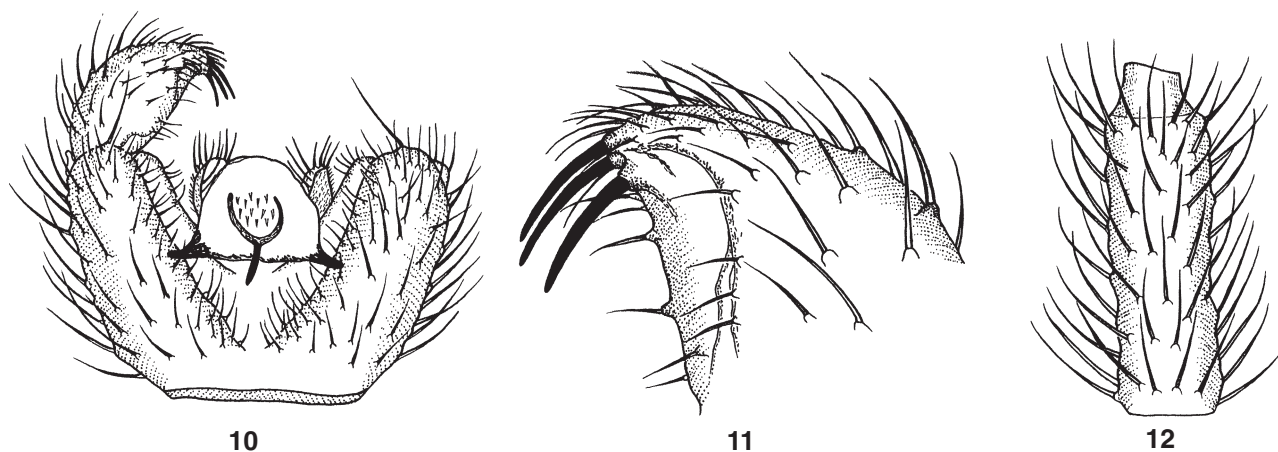
***CORYNOPTERA FLAVOSIGNATA* MENZEL & HELLER
SP. NOV. (FIGS 10–12)**

Type locality: Thuringia, nature reserve 'Apfelstädter Ried' near Apfelstädt (Germany).

Holotype: male, meadow with cabbage thistle, yellow pan trap, 1.vii.1985, Weipert leg.

Paratypes: 3 males, same data; 2 males, Thuringia, nature reserve 'Apfelstädter Ried' near Apfelstädt (Germany), meadow with cabbage thistle, yellow pan trap, 13.vii.1985, Weipert leg.; 1 male, Thuringia, Thuringian Basin, Hanfsee near Schlotheim (Germany), Barber trap, 3.vii.1989, Bellstedt leg.; 1 male, Thuringia,

Thuringian Basin, Sieblebener Teich near Gotha (Germany), broad-leaved woodland, sweep net, 28.v.1988, Menzel leg.; 5 males, 3 females, nos. 1133–1136, Brandenburg, biosphere reserve 'Schorfheide-Chorin', Altkünkendorf north-east of Joachimsthal (Germany), reeds, photo-elector, 24.vi.–24.vii.1995, Nötzold leg.; 1 male, Holibka, south-east of Bílina (Czech Republic), 50°31'20"N 13°49'40"E, 360 m a.s.l., alder woodland on a small pond, yellow pan trap, 8.viii.–9.viii.1998, Barták leg.; 2 males, no. 400, England, Berkshire, Dinton Pastures Country Park, Mortimer's Meadow (Great Britain), swampy woodland, sweep net, 26.vi.1993, Chandler leg.; 2 males, nos. 59 and 61, England, Berkshire, Dinton Pastures Country Park, Sandford Copse (Great Britain), alder woodland, sweep net, 3.vii.1994, Chandler leg.; 1 male, no. 381, England, Berkshire, Little Wittenham Wood (Great Britain), broad-leaved woodland, sweep net, 3.vii.1985, Chandler leg.; 6 males, 3 females, England, Berkshire, Reading, Searles Farm (Great Britain), carr woodland, sweep net, 26.vi.2003 and 22.vii.2003, all Chandler leg.; 10 males, England, Berkshire, Theale (Great Britain), carr woodland, sweep net, 7.vii.2003, Chandler leg.; 1 male, no. 380, England, Cambridgeshire, Badger Wood (Great Britain), broad-leaved woodland, Malaise trap, vi.1998, C.W. Plant leg.; 1 male, England, Cambridgeshire, Monkfield Wood (Great Britain), broad-leaved woodland, Malaise trap, vi.1998, C.W. Plant leg.; 1 male, no. 225, England, Durham, Castle Eden Dene (Great Britain), young mixed woodland, sweep net, 26.vi.1992, Chandler leg.; 1 male, no. 721, England, Somerset, Pawlett Levels (Great Britain), adjacent moorland with old hedges, sweep net, 13.ix.1999, Gibbs leg.; 2 males, England, Suffolk, Bradfield Wood (Great Britain), broad-leaved woodland, yellow pan trap, 6.vii.–



Figures 10–12. *Corynoptera flavosignata* Menzel & Heller sp. nov., male. Fig. 10. Hypopygium in ventral view. Fig. 11. Apical part of gonostyle in ventral view. Fig. 12. 4th flagellomere.

11.vii.1990, Laurence leg.; 1 male, no. 103, England, Wiltshire, Lackham Wood (Great Britain), broad-leaved woodland, sweep net, 2.v.2002, Chandler leg.; 1 female, England, Warwickshire, east of Coventry, Coombe Abbey Country Park (Great Britain), 52°24'53"N 01°25'12"W, 95 m a.s.l., broad-leaved woodland with ash, pedunculate oak, sycamore and elder, sweep net, 28.viii.2003, Menzel leg.; 1 male, England, Warwickshire, Leamington Spa, Newbold Comyn Park (Great Britain), damp meadow, sweep net, 15.vii.2001, J.E. Smith leg.

Location of types: holotype in the collection of DEI; paratypes in the collections of DEI (5 males, 1 female), HRI (12 males, 2 females), NKME (1 male), PBLN (2 males), PDGB (1 male), PKHH (3 males, 3 females), PPCM (14 males, 1 female) and PWMP (4 males).

Other material: 1 male, England, Hertfordshire, Letchworth (Great Britain), v.1918, Edwards leg. (BMNH); 1 male, England, Oxfordshire, Charlbury (Great Britain), 4.vii.1936, Edwards leg. (BMNH).

Etymology: The name 'flavosignata' refers to the yellow colour of the basal segments of the antennae (latin: *flavus* = yellow; *signata* = marked).

Description. Male. HEAD: eyebridge complete, 2–3 facets wide. Basal segments of antenna distinctly whitish-yellow colour; flagellomeres long, rough and unicolourous brown (also 1st flagellomere dark); 4th flagellomere (Fig. 12) 3.0–3.6 times as long as wide; basal part without sensilla; setae on basal part long, coarse, erect, slightly longer than flagellomere width; necks short, unicolourous brown and well differentiated. Face with sparse, fine, pale bristles. Palpi short, 3-segmented and pale yellow; basal segment short, slightly hump-backed and with a long outer bristle; sensory area on edge of segment and with margin; sensilla fine and slightly curved; 2nd palpal segment short-ovoid to almost spherical, about 0.7–1.0 times as long as the narrower apical segment and with several bristles (one outer bristle distinctly longer); 2nd and 3rd palpal segments together only slightly longer than basal segment. THORAX: yellow-brown, coxae and legs whitish-yellow; thorax laterally always with much paler areas (especially katapisternum and ventral areas of metanotum, often whitish-yellow). Postpronotum bare. Mesonotum with very sparse, pale setae and slightly longer and stronger lateral and medial bristles. Scutellum with 2 long and strong, pale, marginal bristles among other fine setae. Katapisternum triangular, deeper than wide. Legs long and slender; anterior tibia with fine (but distinct) spines among other setae; anterior femur strong and not distinctly thickened; apex of anterior tibia with wide patch of bristles almost in a single row without basal carina and without or with very weakly developed curved margin; tib-

ial spurs on middle and posterior legs slender and subequal; posterior tibia with dorsal row of spines; apex with circlet of spines. Claws without teeth. Wings well developed and slightly darkened (sometimes slightly narrower and then with relatively weakly developed anal area); posterior wing veins distinct and, as membrane, without macrotrichia; stem of M weak and longer than fork of M; fork of M short-curved and wide apart; $x = 0.8\text{--}1.1 y$, both bare; stem of $\text{CuA} = 0.3\text{--}0.6 x$ (CuA_1 and CuA_2 sometimes converging directly before intersection); R_1 short, = $0.5\text{--}0.7 R$ and joining c well before base of fork of M; R_1 and R_5 with only dorsal macrotrichia (rarely with additional 1–2 ventral macrotrichia in first half of R_5); $C = 3/5 w$. Halteres with short stalk, brown and with 1–2 rows of small bristles. ABDOMEN: bi-coloured with dark brown dorsal and pale yellow underside; body setae sparse and short, fine and pale. Hypopygium (Fig. 10) about as high as wide and yellow; ventral base of genitalia without basal lobe and without basal bristle group; inner side of gonocoxites with wide emargination and short, fine setae. Gonostyles strong, about twice as long as wide with coarse and sparse apical setae (Fig. 11); apex distinctly pointed, with 3 equally strong, long, evenly curved, closely grouped spines directly below apex (always 2 + 1); apical tooth, whip-lash-like hair and distinctly long bristles missing; inner side of upper half slightly emarginated. Tegmen distinctly wider than high, membranous with widely rounded apex; area with teeth small, wider than high with long, single tipped teeth. Aedeagus very short and narrow, with wide, funnel shaped base. Body length: 1.7–2.2 mm.

Female. Flagellomeres distinctly shorter; 4th flagellomere 1.8–2.1 times as long as wide; all flagellomeres with sparse setae that are distinctly shorter than flagellomere width. Palpi 3-segmented, with longer apical and 2nd segments than males; 2nd segment 2/3–3/4 times as long as apical segment; sensory area with larger, stronger margin; sensilla longer and more distinctly curved; patch of bristles on apex of anterior tibia with weak, but distinctly curved margin; wings larger and wider, with well developed anal area; stem of $\text{CuA} = 0.2\text{--}0.6 x$; $R_1 = 0.6 R$; $C = 3/5\text{--}2/3 w$; all other characters as in males. Body length: 1.9–2.3 mm.

Discussion. The new species definitely belongs to the *Corynoptera membranigera*-group falling between *Corynoptera membranigera* (Kieffer, 1903) and *Corynoptera saccata* Tuomikoski, 1960. Over the past few years, some collection data for *Corynoptera flavosignata* were incorrectly published under the name *Corynoptera trispina* Tuomikoski [a synonym of *Corynoptera membranigera* (Kieffer)]. The wrong identification was based on a small amount of mate-

rial from Thuringia (Germany), which led Menzel & Mohrig (2000: 231) to describe the base of the antennae of *Corynoptera membranigera* as 'more rarely distinctly yellow to whitish'. The new species is distinguished from *Corynoptera membranigera* and *Corynoptera saccata* particularly by the pale base of the antennae, of which only the scape and pedicel are distinctly yellow. In addition to this characteristic, *Corynoptera flavosignata* has thickened and pointed gonostyles with 3 long and strong, very closely aligned spines on the apex (2 spines above and one spine directly beneath). All spines are shorter and more dense than in *Corynoptera membranigera* and are distinctly longer than in *Corynoptera saccata*. Also the upper half of the inner side of the gonostyles of *Corynoptera membranigera* is more strongly emarginated and the 3–4 spines stand one above the other and are relatively widely isolated from each other in the upper third. There are similarities to *Corynoptera hemiacantha* Mohrig & Menzel, 1992 in the thickened gonostyles, the weak emargination of the inner side and the typical arrangement of the spines, but the basal segments of the antennae of *Corynoptera hemiacantha* are dark. Also in *Corynoptera hemiacantha* the gonostyles are wider, the inner side is more distinctly arched and the apex distinctly pointed.

CORYNOPTERA UNCATA MENZEL & SMITH *SP. NOV.*
(FIGS 13–15)

Type locality: England, West Midlands, nature reserve 'Ryton Wood' near Bubbenhall [south-east of Coventry] (Great Britain).

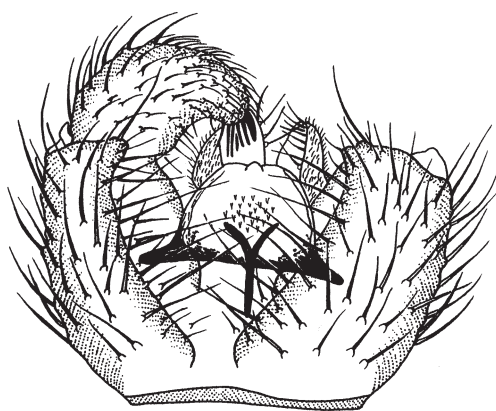
Holotype: male, broad-leaved woodland with pedunculate oak, birch, hazel and large-leaved lime, sweep net, 25.viii.2002, Menzel leg.

Paratypes: 13 males, same data, 25.viii.2002, Menzel leg.; 2 males, same data, 25.viii.2002, J.E. Smith leg.; 2 males, England, Leicestershire, nature reserve 'Kelham Bridges' south of Ravenstone [south-west of Coalville] (Great Britain), 52°42'17"N 01°23'59"W, 124 m a.s.l., area around bank of pond in damp meadow, sweep net, 24.viii.2003, Menzel leg.; 1 male, no. 398, England, Greater London, Highgate Woods, mixed woodland, Malaise trap, 1998–99, Hackett leg.; 1 male, no. 313, England, Buckinghamshire, Burnham Beeches, Moat (Great Britain), ancient beech woodland and earthworks, Malaise trap, 8.vii.–22.vii.1996, Ismay leg.; 1 male, no. 202, England, Buckinghamshire, Burnham Beeches, Pumpkin Hill (Great Britain), beech woodland, Malaise trap, 22.vii.–5.viii.1996, Ismay leg.

Location of types: holotype in the collection of DEI; paratypes in collections of DEI (12 males), HRI (5 males) and PPCM (3 males).

Other material: 3 males, Wales, Isle of Anglesey, Fedw Fawr (Great Britain), 13.vii.1988, Holmes, Boyce & Reed leg. (PPWM); 1 male, Wales, Powys, Y Gors (Great Britain), 17.vii.1989, Holmes, Boyce & Reed leg. (PPWM); 1 male, Wales, Swansea/Abertawe, Welsh Moor (Great Britain), 14.vi.1989, Holmes, Boyce & Reed leg. (PPWM).

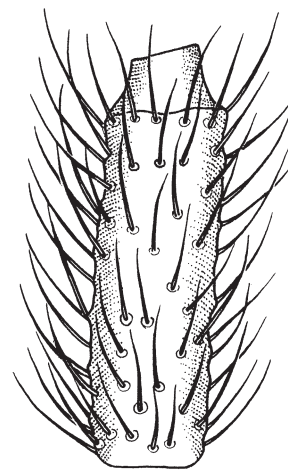
Etymology: The name was chosen because of the very strongly curved gonostyles, characteristic of the species (latin: *uncata* = curved).



13



14



15

Figures 13–15. *Corynoptera uncata* Menzel & Smith *sp. nov.*, male. Fig. 13. Hypopygium in ventral view. Fig. 14. Apical part of gonostyle in ventral view. Fig. 15. 4th flagellomere.

Description. Male. HEAD: eyebridge wide with 3–4 facets. Antennae very long and slender, unicolourous brown; basal antennal segments dark; 4th flagellomere (Fig. 15) 3.6–4.4 times as long as wide; setae on flagellomeres very long, coarse and erect, about as long or slightly longer than flagellomere width; necks uniformly dark and well differentiated; basal part without sensilla. Palpi yellow and 3-segmented; basal segment slender to weakly hump-backed, about as long as slender apical segment with an outer bristle but without deepened sensory pit; sensilla fine; 2nd segment short-oval and about 3/5 as long as apical segment. THORAX: dark brown, laterally with only a few paler, yellowish areas in front of base of wing. Postpronotum bare. Mesonotum with sparse, coarse, dark setae and long-strong lateral and medial bristles. Coxae and legs yellow to pale brown (in distinct contrast to dark thorax and abdomen); legs very long and slender; anterior legs with spines among other setae; apex of anterior tibia with patch of bristles almost in a single row, without basal carina but with curved margin (all bristles dark, coarse and spine-like); spurs on middle and posterior tibiae slender and subequal; posterior tibia with dorsal row of spines; apex with circlet of spines. Claws without teeth. Wings large and brownish; posterior wing veins strong and as membrane without macrotrichia; stem of M weak and slightly shorter or equal to fork of M; fork of M long and evenly curved (M_1 and M_2 almost parallel); $x = 0.8\text{--}1.1$ y , both bare; stem of CuA short, $= 0.3\text{--}0.5$ x ; R_1 and R_5 with only dorsal macrotrichia (more rarely R_5 with 1–3 ventral macrotrichia in first half); $R_1 = 0.6\text{--}0.7$ R and joining c well before base of fork of M; R_5 joining c at level of middle of fork of M; $C = 2/3$ w . Halteres dark brown, with short stalk and with 1–2 rows of bristles. ABDOMEN: dark brown; body setae coarse, moderately long and dark. Hypopygium (Fig. 13) about as high as wide, uniformly dark brown and without basal lobe or ventral tuft of setae; ventral inner side of gonocoxites with long setae and long bristles crossed over tegmen. Gonostyles about twice as long as wide, distinctly thickened and narrowly rounded apically (Fig. 14); apex slightly pointed with coarse and sparse bristles and with a strong, dark apical tooth; group of spines below tooth subapically (5 pale, hyaline spines about as long as or slightly longer than tooth); middle of inner side of gonostyles with cheek-like swelling, upper half distinctly emarginated and without long whiplash-like hair; longer bristles only present near group of spines ventrally. Tegmen dark brown, strongly sclerotized and distinctly wider than high; apex of tegmen evenly rounded; area with teeth circular, with fine, single tipped teeth. Aedeagus short, with funnel shaped, sclerotized base. Body length: 1.9–2.5 mm.

Female. Unknown.

Discussion. The new species belongs to the *C. subtilis*-group and is close to *Corynoptera sedula* Mohrig & Krivosheina, 1985. Both species have long flagellomeres and strong gonostyles with an inwardly curved, pointed apex. On the narrowly round apex there is a strong tooth and several slender spines. The gonostyles of *Corynoptera sedula* are relatively slender (almost the same width from the base to the apex), below the apical tooth there are always 3 spines and the inner side of the gonocoxites has relatively short bristles. It has the eyebridge three facets wide and has very fine, pale body hairs and unicolourous brown palpi, legs and halteres. By contrast, *Corynoptera uncata* has a longer body, yellow to light brown palpi and legs, sooty black halteres, dark and coarse body hairs and the eyebridge to 4 facets wide. The genitalia of the new species has thicker gonostyles (much wider in the lower half and with less deep emargination on the inner side at the upper half than *Corynoptera sedula*), always with 5 hyaline spines on the apex and distinctly long bristles on the inner side of the gonocoxites.

***EPIDAPUS (EPIDAPUS) SUBGRACILIS* MENZEL & MOHRIG SP. NOV. (FIGS 16–20)**

Type locality: Holibka [south-east of Bílina], 50°31'20"N 13°49'40"E (Czech Republic).

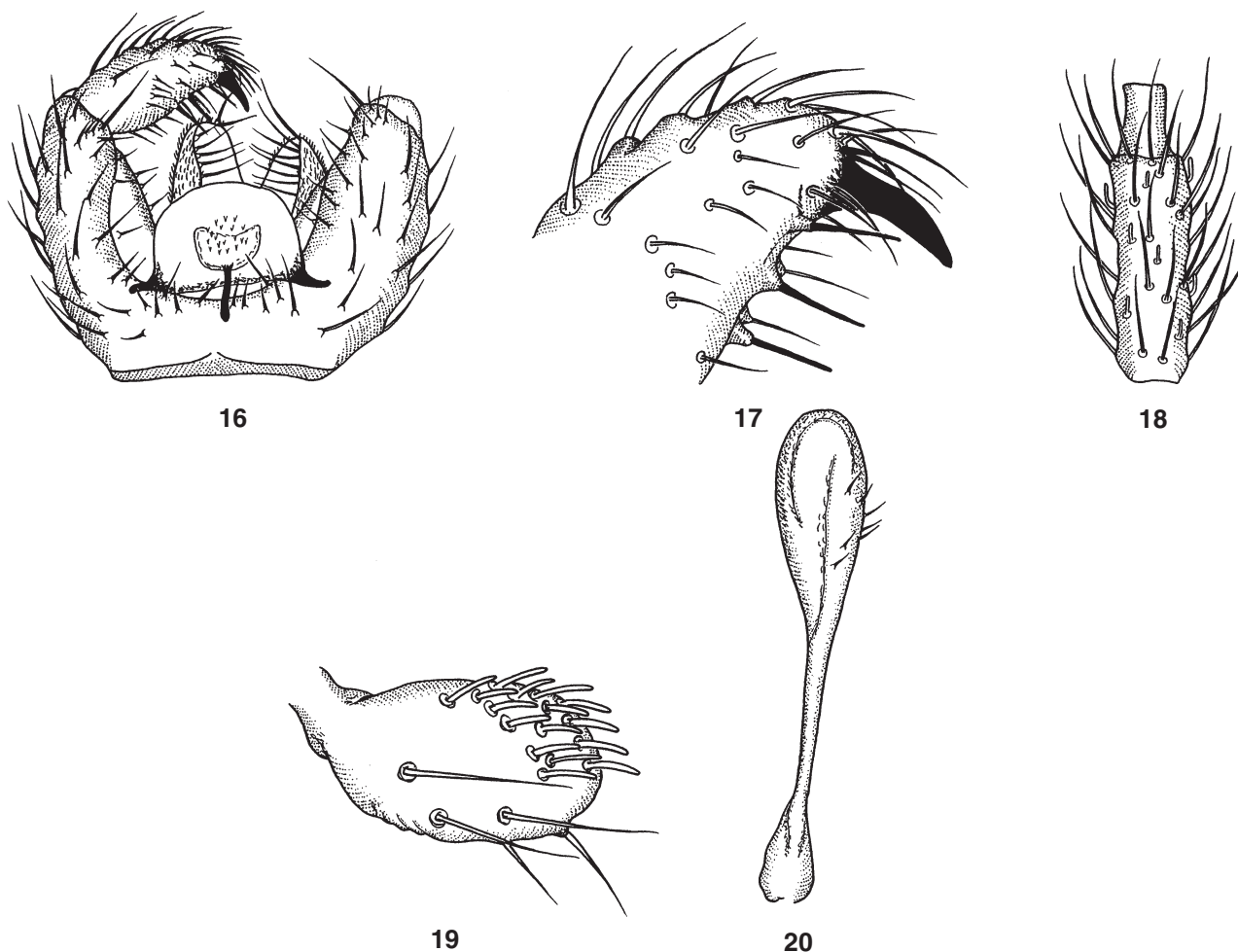
Holotype: male, 450 m a.s.l., stony steppe, yellow pan trap, 24.viii.–23.ix.1998, Barták leg.

Paratypes: 1 male, no. 233, England, Essex, Epping Forest, Monument Field (Great Britain), meadow near ancient broad-leaved woodland, Malaise trap, 29.iii.1999, Dagley leg.; 1 male, Vitosha Mountains (Bulgaria), sweep net, 9.ix.1989, Dimitrova leg.; 2 males, Andalusia, Jimena de la Frontera (Spain), valley with stream, damp cork oak woodland with bramble, wild olive and grasses, yellow pan trap, iii.–iv.1995, Wilden leg.

Location of types: holotype in the collection of DEI; paratypes in the collections of DEI (2 males), PPCM (1 male) and PWMP (1 male).

Etymology: The name '*subgracilis*' was chosen to show that the new species is closely related to *Epidapus gracilis* (Walker, 1848) (Latin: *sub* = near, almost, a little as; *gracilis* = slender, graceful).

Description. Male. HEAD: head capsule roundish, eyebridge complete, 2 facets wide. Ocelli present. Antennae long, unicolourous brown and slightly rough; basal antennal segments dark; 1st flagellomere elongated, $= 3.9\text{--}4.7$ times as long as wide; 4th flagellomere (Fig. 18) 3.6–4.2 times as long as wide; setae on flagellomeres coarse, bristle-like about 1.5 times as long as flagellomere width; neck long, $= 1/3\text{--}$



Figures 16–20. *Epidapus subgracilis* Menzel & Mohrig **sp. nov.**, male. Fig. 16. Hypopygium in ventral view. Fig. 17. Apical part of gonostyle in ventral view. Fig. 18. 4th flagellomere. Fig. 19. Palpus in lateral view. Fig. 20. Haltere.

2/5 times as long as basal part and strongly differentiated; basal part with long bristle-like setae among isolated, long sensilla. Face with moderately long, coarse, dark bristles. Palpi (Fig. 19) one-segmented, short-ovoid swollen and brownish; basal segment with 5–7 coarse bristles, almost all on underside; sensory area large, towards edge and apex of segment, simple and without margin; sensilla long and straight (not curved). THORAX: coxae and legs unicolourous brown to dark brown. Postpronotum bare. Mesonotum slightly arched; bristles coarse and dark with some longer, slightly stronger bristles on lateral and medial areas. Scutellum well differentiated with 2–3 longer marginal bristles among other finer bristles. Katepisternum flat and elongate wedge-shaped. Coxae and legs slender and elongated; bristles on underside of anterior and posterior femora not distinctly long and

erect; anterior tibia without spines among other bristles; apex of anterior tibia with patch of slightly denser bristles without margin; all tibial spurs fine, slender and pencil-like; both spurs on middle and posterior tibiae shortened so that they are almost subequal; posterior tibia with long and erect, coarse row of bristles which merge into other small fine spines in apical third; apex of posterior tibia without dense circle of spines (with only a few coarse and long bristles and some isolated, fine spines). Claws reduced in width, without teeth. Wings slightly brownish with wedge shaped, reduced anal area; posterior wing veins weak and as membrane without macrotrichia; stem of M pale and slightly shorter than wide fork of M (in Spanish specimen distinctly shorter and wider fork of M); fork of M short-triangular and wide apart (M_1 and M_2 curved and strongly diverging); $x = 1.3–1.5$ y, both

bare; stem of CuA short, = 0.4–0.5 x (in 2 paratypes not visible because overlaid by other body parts); R₁ very short, = 0.6–0.7 R and joining c well before base of fork of M; R₁ and R₅ with dorsal macrotrichia only (R₁ with 3–5 macrotrichia and R₅ with 11–14 macrotrichia); due to R₅ meeting costa early, C very long, = 3/4 w. Halteres (Fig. 20) brown, with relatively short stalk and elongated capitulum; capitulum with 6–9 bristles; haltere-capitulum index = 1.8–2.0. ABDOMEN: dark brown; setae of body sparse and fine, relatively short and dark. Hypopygium (Fig. 16) wider than high, with coarse, dark, erect bristles; ventral base of genitalia without basal lobe or tuft of setae; inner side of gonocoxites widely semicircular with short to moderately long setae. Gonostyles longish and pointed; main part of gonostyles 2.2–2.6 times as long as wide; outer side evenly arched and distinctly rounded apically; with coarse, moderately long apical tooth as elongation of inner side; apical tooth about 1/3 as long as body of gonostyles, undivided and pointing inwards and downwards; apex with lighter, coarse and longer setae; inner side of gonostyle, under apical tooth, with 3 hyaline spines which extend to middle of gonostyle (Fig. 17); several longer bristles on inner side; long whiplash-like hair missing. Tegmen wide (about 1.3–1.5 times as wide as high), membranous and with very short basal processes; apex widely rounded; area of teeth very small and round with fine-single tipped teeth. Aedeagus short with wider, weakly sclerotized base. Body length: 1.0–1.4 mm.

Female. Unknown.

Discussion. The new species is placed in the subgenus *Epidapus* s.s. in the *Epidapus atomarius*-group. This species group is distinguished in particular by triangular pointed gonostyles together with a strong and coarse tooth and hyaline spines on the apex. *Epidapus subgracilis* is similar to *Epidapus schillei* (Börner, 1903) in the short body, the eyebridge two facets wide, the short R₁ and the weak bristles on the halteres (only 6–9 macrotrichia on the capitulum of the haltere). However, because of the longer apical tooth on the gonostyles and the coarser bristles on the mesonotum and hypopygium it is also close to *Epidapus gracilis* (Walker, 1848), but the latter is distinctly larger. *Epidapus gracilis* is distinguished from the new species by a wider eyebridge three facets wide, a longer R₁ and stronger bristles on the halteres (10–18 macrotrichia). *Epidapus subgracilis* is distinguished by several characteristics that cannot be found in either of the other two species. These are the much shorter necks of the flagellomeres, the large, ovoid swollen basal segment of the palpi, the stronger shortened stalk of the halteres and the high, rounded tegmen. Also the inner side of the more slender gonostyles has 3 hyaline spines in the distal half.

THE BRITISH SPECIES

In the British checklist, Menzel (1998) listed several species that were taken from unchecked literature or were incorrect due to wrong interpretation of the literature. Because of revised material, the following corrections need to be made to Menzel (1998):

- Bradysia amoena* (Winnertz, 1867) = *Bradysia tilicola* (Loew, 1850) [synonymy by Menzel & Heller (2005)]
Bradysia brunnipes (Meigen, 1804) = *Bradysia pallipes* (Fabricius, 1787) [synonymy by Heller (2004)]
Bradysia arcana Menzel & Mohrig, 1998 [misidentification] = *Bradysia fenestralis* (Zetterstedt, 1838)
Bradysia rufescens (Zetterstedt, 1852) [misidentification] = *Bradysia rectinervis* Frey, 1948
Corynoptera acanthostyla Tuomikoski, 1960 [misidentification] = *Claustropyga brevichaeta* (Mohrig & Antonova, 1978)
Corynoptera dentiforceps (Bukowski & Lengersdorf, 1936) [misidentification] = *Corynoptera recurvispina* Freeman, 1987
Corynoptera inexpectata Tuomikoski, 1960 [recte *inexpectata*, misidentification] = *Corynoptera tetracheta* Tuomikoski, 1960
Corynoptera subtilis (Lengersdorf, 1929) [misidentification] = *Corynoptera irmgardis* (Lengersdorf, 1930)
Leptosciarella truncata (Tuomikoski, 1960) [misidentification and incorrect synonymy with *nigrosetosa* (Freeman, 1990)] = *Leptosciarella nigrosetosa* (Freeman, 1990) **restit.** (reinstated) [= *Leptosciarella truncatula* Mohrig & Menzel, 1997 **syn. nov.**]
Lycoriella venosa (Staeger, 1840) [misinterpretation of the literature (O'Connor & Ashe, 1991)] = *Lycoriella inflata* (Winnertz, 1867)
Sciara flavomarginata Mohrig & Mamaev, 1982 [misidentification and incorrectly synonymized from *Sciara nursei* to *Sciara flavomarginata* in Menzel (1998) and Menzel & Mohrig (2000)] = *Sciara nursei* Freeman, 1983 **restit.** [= *Sciara ulrichi* Menzel & Mohrig, 1998 **syn. nov.**]

BRADYSIA WINNERTZ, 1867

BRADYSIA ALBANENSIS (LENGERSDORF, 1926)

Literature: Freeman (1983b): 35 [in part]; Menzel (1998): 20.

Material examined: Beinn a' Chreachain, Perth & Kinross, 1 male, 14.vi.1932, Edwards leg. (BMNH). Meall a' Churain, Stirling, 1 male, 6.vi.1932, Edwards leg. (BMNH).

Ecological notes: found on open montane habitats and at 900–1050 m a.s.l. vi.

BRADYSIA ALPICOLA (WINNERTZ, 1867)

Synonyms: *caliginosa* (Winnertz, 1867); *concolor* (Beling, 1873); *egens* (Winnertz, 1867); *meridiana* (Lengersdorf, 1926); *morensis* (Lengersdorf, 1926); *mutabilis* (Lengersdorf, 1926); *obscura* (Winnertz, 1867); *rogenhoferi* (Winnertz, 1867).

Literature: Freeman (1983b): 36 [as *Bradysia morio*, misidentification]; Menzel (1998): 20.

Material examined: Aversley Wood, Cambridgeshire, 1 male, 24.iv.1988, J.H. Cole leg. (PJCB). Ballina, Tipperary, 1 male, 27.v.1984, J.P. O'Connor leg. (NMID). Bank, New Forest, Hampshire, 1 male, 1 female, vi.1939, Collin leg. (BMNH). Belfast, City of Belfast, 1 male, 17.v.1978, Nash leg. (UMB). Berwick-upon-Tweed, Northumberland, 1 male, v.1999; 1 male, vii.1999, all Laurence leg. (PBLN). Brandyquoy, Kirkwall, 1 male, v.–vi.2001, Laurence leg. (PBLN). Cassop Vale, Durham, 1 male, 13.viii.1986, J.H. Cole leg. (PJCB). Colt Park Wood, Marrick, North Yorkshire, 1 male, 27.viii.–30.viii.1981, Disney leg. (PBLN). Convil Braes, Highland Region, 1 male, 11.viii.1937, Coe leg. (BMNH). Dingwall, Highland Region, 1 female, 5.viii.1909; 1 male, 1 female, 16.viii.1909; 1 female, 26.viii.1909; 1 male, 30.viii.1909, all King leg. (BMNH). Dowlands Cliff, Devon, 20 males, 3 females, 9.vi.1937, Edwards leg. (BMNH). Dunton Green, Kent, 1 female, 1.v.1936, no collector detail (BMNH). East Walton Common, Norfolk, 1 male, 24.iv.1989, Stubbs leg. (PPCM). Edge Barton, Devon, 1 male, 6.vi.1937, Edwards leg. (BMNH). Forest of Dean, Gloucestershire, 1 female, 27.v.1962, K.G.V. Smith leg. (BMNH). Glen Lochay, Stirling, 1 male, 8.vi.1932, Edwards leg. (BMNH). Glendevon, Perth & Kinross, 1 male, 15.viii.1973, Dear leg. (BMNH). Gorge of Avon, South Lanarkshire, 1 male, 20.vi.1909, King leg. (BMNH). Gullane Bents, East Lothian, 2 males, 1 female, 19.vii.1990, Chandler leg. (NMS, PPCM). Hatherton, Staffordshire, 2 males, 25.viii.1983, Wyatt leg. (BMNH). Invertromie Wood, Insh Marshes, Highland Region, 1 male, 30.v.2002, Chandler leg. (PPCM). Killarney, Kerry, 1 male, 11.ix.1981, J.P. O'Connor leg. (NMID). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Letchworth, Hertfordshire, 1 male, 1.vii.1934, Edwards leg. (BMNH). Loch Park, Moray, 1 female, 12.viii.–14.viii.1937, Coe leg. (BMNH). Malham Tarn, North Yorkshire, 2 males, 26.vi.–28.vi.1982, Disney leg. (PPWM). Mark Ash Wood, New Forest, Hampshire, 1 male, 4.vi.1989, Chandler leg. (PPCM). Moccas Park, Herefordshire, 6 males, 10.vi.2002, Godfrey leg. (HRI, PPCM). Muckcross Lake, Kerry, 1 male, 8.v.1981, Chandler leg. (PPCM). Nairn, Highland Region, 2 males, 10.vi.1904, no collector detail (BMNH); 3 males, 1 female, 10.viii.1904, King leg. (BMNH). Portland, Dorset, 2 males, 7.vi.1967, Goddard leg. (PPCM). Richmond Park, Greater Lon-

don, 1 male, 6.vi.1992, Chandler leg. (PPCM). Slough, Berkshire, 1 male, 26.vi.1942, Richards leg. (BMNH). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM). Tomintoul, Moray, 11 males, 12 females, 8.viii.–11.viii.1937, Coe leg. (BMNH).

Ecological notes: very common in broad-leaved woodland; also found in aspen woodland; wooded lakeshore; mossy rocks by waterfall; wooded riverside; raised bog and bog by lakeshore; calcareous grassland and mining subsidence lake; dunes with sea buckthorn scrub. iii–ix.

BRADYSIA ANGUSTATA TUOMIKOSKI, 1960

New to British list.

Material examined: Great Ellerside, Cumbria, 1 male, 15.v.1999, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved woodland. v.

BRADYSIA ANGUSTOOCULARIS MOHRIG & KRIVOSHEINA, 1989

Synonym: *luteocoxa* Mohrig & Krivosheina, 1989.

New to British list.

Material examined: Letchworth, Hertfordshire, 1 male, v.1918, Edwards leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 26.iv.1987; 1 male, 8.v.1987, 1 male, 2.v.–6.v.1992, all Laurence leg. (PBLN).

Ecological notes: found in garden. iv–v.

BRADYSIA APRICA (WINNERTZ, 1867)

Synonym: *ingrata* var. *varicornis* (Strobl, 1910).

Literature: Freeman (1983b): 38 [in part; not fig. 148, = *Bradysia subalpina* Frey (1948)]; Laurence (1994): 110 [in part] and 118 [in part as *Bradysia nitidicollis*, misidentification]; Menzel (1998): 20.

Material examined: Ballynafid Lake, Westmeath, 1 male, 10.v.1989, Withers leg. (PPWM). Brancaster, Norfolk, 9 males, 2.ix.1988, Foster & Procter leg. (PBLN). Burnham Beeches, Buckinghamshire, 3 males, 10.v.–21.vi.1995; 1 male, 13.v.1998, all Ismay leg. (PPCM). Cothill, Oxfordshire, 6 males, 5.v.1934, Edwards leg. (BMNH); 1 male, 3.vi.1990, Chandler leg. (PPCM). Dickleburgh, Norfolk, 1 male, 21.iv.1989, Withers leg. (PPWM). Frilford Heath, Oxfordshire, 1 male, 25.iv.–25.v.1991, Porter leg. (PPCM). Glanvilles Wootton, Dorset, 2 males, viii.1939, Edwards leg. (BMNH). Greywell Fen, Hampshire, 1 male, 11.viii.1999, Chandler leg. (PPCM). Hogley, Oxfordshire, 1 male, 1.v.1915, Hamm leg. (BMNH). How Hill, Norfolk, 1 male, 8.iv.1989; 1 male, 1.x.1989 (reared),

all Withers leg. (PPWM). Leckford Estate, Hampshire, 1 male, 4.v.1974, S.A. Williams leg. (PPCM); 1 male, 18.v.1985, Chandler leg. (PPCM). Llangloffan Fen, Pembrokeshire, 1 male, 23.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Lough Gill, Castlegregory, Kerry, 1 male, 13.vii.1990, Withers leg. (PPWM). Mills Marsh, Norfolk, 1 male, 11.viii.1988, Foster & Procter leg. (PBLN). Pass of Killiecrankie, Perth & Kinross, 1 male, 19.vi.1976, Chandler leg. (PPCM). Porthydd Moor, Pembrokeshire, 1 male, 21.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Rostherne, Cheshire, 1 male, 30.vii.1932, Britten leg. (BMNH). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM). West Harling Common, Norfolk, 1 male, 30.iii.1991, Withers leg. (PPWM). Wheatfen Broad, Norfolk, 1 male, 8.x.1988; 1 male, 25.vii.1989, all Withers leg. (PPWM). Whites Marsh, Cork, 1 male, 12.v.1989, Withers leg. (PPWM). Wicken Fen, Cambridgeshire, 1 male, 12.v.1990, Withers leg. (PPWM). Wortham Ling, Suffolk, 1 male, 10.v.1987, Withers leg. (PPWM).

Ecological notes: found in broad-leaved and carr woodland; conifer plantation; very common on fens; sedge beds; common on wet meadows; sand dunes; salt marsh; garden on reclaimed agricultural land. Reared from the fungus *Leccinum scabrum* and mole nest. iii–x.

BRADYSIA ARCANA MENZEL & MOHRIG, 1998

Literature: Donisthorpe (1927): 138 [in part as *Sciara* sp.? (3)]; Menzel & Mohrig (1998): 355; Menzel & Mohrig (2000): 151.

New to British list.

Material examined: Oxshott, Surrey, 1 male, [26].iv.1901, Donisthorpe leg. (BMNH).

Ecological notes: found in a site comprising heathland and pine woodland; collected with the ant *Lasius fuliginosus*. iv.

Taxonomic note: In contradiction to the original description by Menzel & Mohrig (1998) and the version in Menzel & Mohrig (2000) the apical spine group on the holotype has 10 spines [not 6–7]; they partially overlap because of their close grouping. Also the species has a hook-like tooth above the apical spine group that is set back on the dorsal side of the gonostyle. In the holotype the small tooth is only obvious on the left gonostyle. *Bradysia fenestralis* (Zetterstedt) does not have this tooth structure.

BRADYSIA ASCENDA RUDZINSKI, 1994

New to British list.

Material examined: Blaise Wood, Avon, 1 male, 4.viii.1985, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved woodland. viii.

BRADYSIA AUSTERA MENZEL & HELLER SP. NOV.

New to British and Irish list.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 25.viii.1990, de Courcy Williams leg. [paratype of *Bradysia austera*] (DEI). Castlemartin Corse, Pembrokeshire, 1 male, 14.x.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Caron, Ceredigion, 1 male, 15.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Caranod, Ceredigion, 1 male, 23.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Crymlyn Bog, Swansea/Abertawe, 1 male, 14.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Gearagh, Cork, 1 male, 31.vi.1990, de Courcy Williams leg. [paratype of *Bradysia austera*] (NMID). Gwaun Ystrad Caron, Ceredigion, 1 male, 26.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Llyn Ystumllyn, Gwynedd, 1 male, 8.x.1988, Holmes, Boyce & Reed leg. [paratype of *Bradysia austera*] (PPWM). Loch Tummel, Perth & Kinross, 2 males, viii.1939, Edwards leg. (BMNH). Middle Harling, Norfolk, 1 male, 28.vi.–12.ix.1988, Foster & Procter leg. (PBLN). Reedham, Norfolk, 2 males, 27.x.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in damp broad-leaved and mixed woodland; wet heathland; wetlands including fens, water meadows, floodplain mire and bogs. vi–x.

BRADYSIA BICOLOR (MEIGEN, 1818)

Synonyms: *abdominalis* (Lehmann, 1824); *bicolor* var. *alpestris* (Lengersdorf, 1926); *bore* (Walker, 1848); *rufiventris* (Macquart, 1834).

Literature: Haliday (1833): 150 [as *Sciara*]; Walker (1848): 105 [as *Sciara rufiventris*]; Edwards (1915a): 164; Edwards (1925a): 538 [all as *Sciara*]; Bury (1920): 250 [as *Sciara rufiventris*]; Brindle (1963): 83 [as *Sciara*]; Disney (1976): 92; Freeman (1983b): 34; Menzel (1998): 20.

Material examined: Aviemore, Highland Region, 1 male, 11.viii.1903, King leg. (BMNH). Bagley Wood, Oxfordshire, 3 males, 27.v.1916, Hamm leg. (UMO). Barton Mills, Suffolk, 1 male, 24.v.1916; 3 males, 20.v.1920; 1 female, 26.v.1920; 2 males, 29.v.1935; 2 males, 30.v.1935, all Collin leg. (UMO). Beinn Eighe, Highland Region, 1 female, 1953, Richards leg. (NMS). Ben Lawers, Perth & Kinross, 1 male, 1 female, 10.vii.1988, Chandler leg. (NMS). Berry Pomeroy, Devon, 1 female, 11.x.1980, Chandler leg. (PPCM). Bonhill, West Dunbartonshire, 1 male, 8.viii.1908, Malloch leg. (NMS). Braedownie, Angus, 1 male, 24.vii.1937, Coe leg. (BMNH). Bwlch y Dolenfawr, Gwynedd, 1 male, 5.vii.1987, Mousley

leg. (NMS). Cambridge, Cambridgeshire, 1 male, 25.v.1904, Jenkinson leg. (BMNH). Camghouran, Perth & Kinross, 1 male, 21.vii.1990, Chandler leg. (PPCM). Cairngorm, Highland Region, 1 female, 5.viii.1972, Chandler leg. (PPCM). Cannich, Strathglass, Highland Region, 1 male, 17.vii.1936, Collin leg. (UMO). Carnkilton, Pentland Hills, Midlothian, 1 female, vii.1924, Wild leg. (NMS). Church Stretton, Shropshire, 1 female, 26.viii.1913, Bury leg. (BMNH). Comrie, Perth & Kinross, 1 male, 11.vii.1901, A.E.J. Carter leg. (UMO). Coombe, Cornwall, 1 female, 16.vi.1989, Chandler leg. (NMS). Coombe Dingle, Avon, 1 male, 22.v.–30.v.1948, d'Assis-Fonseca leg. (PPCM). Cwm Bychan, Gwynedd, 1 female, 12.vii.1976, Chandler leg. (PPCM). Dalnaglar Castle, Perth & Kinross, 1 male, 3.viii.1979, Chandler leg. (NMS). Daneway, Gloucestershire, 1 female, 12.x.1979, Chandler leg. (PPCM). Dun Fell, Cumbria, 1 male, 19.vii.1976, Coulson leg. (PPCM). Fanninghill Loch, Midlothian, 1 male, 18.vii.1990, Chandler leg. (PPCM). Folly Farm, Avon, 1 male, 23.x.2002, Gibbs leg. (PDGB). Forres, Moray, 1 male, 2 females, 3.viii.1904, King leg. (BMNH). Glen Lui, Aberdeenshire, 1 female, 12.vii.1977, Chandler leg. (NMS). Glen More, Highland Region, 1 male, 6.viii.1972, Chandler leg. (PPCM). Goyt Valley, Derbyshire, 1 male, 18.vii.–20.vii.1939, Edwards leg. (BMNH). Hobb's Quarry, Gloucestershire, 1 male, 4.ix.2002, Gibbs leg. (PDGB). Lancut Nature Reserve, Gloucestershire, 1 female, 5.ix.2002, Gibbs leg. (PDGB). Llangammarch Wells, Powys, 1 male, 27.vii.1913, Yerbury leg. (BMNH). Loch Callater, Aberdeenshire, 8 males, 2 females, 28.vii.–29.vii.1937, Coe leg. (BMNH). Mid Quoich, Strathdee, Aberdeenshire, 1 male, 22.ix.2000, Godfrey leg. (HRI). Mildenhall, Suffolk, 1 male, 22.v.1909, Collin leg. (UMO). Monk's Wood, Cambridgeshire, 1 female, 31.v.1970, Chandler leg. (PPCM). Nethy Bridge, Highland Region, 1 male, 12.vii.1906; 1 male, 1 female, 27.vii.1906; 1 female, 3.vii.1911; 1 female, 20.vii.1913; 1 female, 9.viii.1918; 1 male, 4.viii.1919; 1 female, 10.viii.1919, all King leg. (BMNH, NMS). New Forest, Hampshire, 1 male, 19.v.1902; 1 male, 29.v.1902; 1 male, 30.v.1910, all Adams leg. (BMNH). Rannoch, Perth & Kinross, 1 male, 30.vii.1917; 1 male, 31.vii.1917; 1 female, 20.viii.1917, all King leg. (BMNH); 1 male, 21.vii.1990, Chandler leg. (NMS). Rothiemurchus, by River Druie, Highland Region, 1 male, 18.viii.1986, Chandler leg. (NMS). Stoke Wood, Herefordshire, 1 female, 13.x.1906, Wood leg. (UMO). Strathy Bog, Highland Region, 1 male, 31.vii.1972, Chandler leg. (PPCM). Tarrington, Herefordshire, 2 females, 31.v.1918, Yerbury leg. (UMO). Ufton Fields, Warwickshire, 1 female, 9.vi.1991, Chandler leg. (NMS). Vallis Vale, Somerset, 1 female, 2.vii.1985, Chandler leg. (PPCM). Windsor Forest, Berkshire, 1 male, 2.ix.1995,

Chandler leg. (HRI). Woodwalton Fen, Cambridgeshire, 1 female, vi.1939; 1 male, 24.v.1940; 1 male, 7.vi.1940, all Edwards leg. (BMNH). No locality details [? Tullymore Park or Mountains of Mourne], Down, 3 females, no date, Haliday leg. (NMID).

Ecological notes: widespread in broad-leaved (incl. calcareous and neutral) and ancient pine woodland; flushes in open mixed woodland; fen and alder carr; bog; marginal vegetation by upland lake; river bank, pools and grassland; lakeshore; open montane habitats. v–x.

BRADYSIA BREVISPIA TUOMIKOSKI, 1960

New to British list.

Material examined: Aviemore, Highland Region, 2 males, v.1934, Edwards leg. (BMNH). Bradfield Wood, Suffolk, 1 male, 16.viii.–22.viii.1991, Laurence leg. (PBLN). Brancaster, Norfolk, 1 male, 2.ix.1988, Foster & Procter leg. (PBLN). Buckingham Palace Garden, Greater London, 2 males, 25.iii.–11.iv.1996, D.J. Carter & C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 15.iv.1913, Edwards leg. (BMNH); 1 male, 30.viii.–15.ix.1995; 18 males, 1.vii.–26.ix.1996, all Ismay leg. (PPCM). Catfield, Norfolk, 1 male, 12.x.1988, Foster & Procter leg. (PBLN). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 1 female, 18.vi.2002; 5 females, 28.vi.2002; 1 female, 15.ix.2002; 2 females, 23.ix.2002; 3 females, 26.ix.2002; 7 females, 8.x.2002; 2 males, 15 females, 16.x.2002; 2 females, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). Coed Tycanol, Pembrokeshire, 1 male, 10.vi.–29.vi.1999; 1 male, 29.viii.–31.x.1999, all Levey & Pavett leg. (PPCM). Denny Wood, New Forest, Hampshire, 1 male, 17.iv.1954, Colyer leg. (BMNH). Epping Forest, Essex, 2 males, 24.v.–vii.1999, Dagley leg. (PPCM). Hafod Garregog, Gwynedd, 1 male, 14.vii.–8.ix.1999, Levey & Pavett leg. (PPCM). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Poulton, Cheshire, 1 male, 26.iv.1953, Colyer leg. (BMNH). Rhôs-y-gad, Isle of Anglesey 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Rough Hill Wood, Studley, Warwickshire, 4 males, 1 female, 10.iv.2003, J.E. Smith leg. (HRI). Salisbury Plain Training Area, Warminster, Wiltshire, 2 males, 3.vii.2003, Ismay & Schulten leg. (DEI, UMO). Sedlescombe, East Sussex, 1 male, 28.ix.1996, Roper leg. (PPRS). Selsdon, Greater London, 1 male, 25.iv.1937, Coe leg. (BMNH). Sutton Park, Birmingham, West Midlands, 1 male, 4 females, 7.iv.2003, J.E. Smith leg. (HRI). Teddington, Greater London, 1 male, 1 female, 13.iv.1964, Harris leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 10.viii.1987, Laurence leg. (PBLN). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH).

Ecological notes: common in broad-leaved, mixed and carr woodland; ancient woodland with oak, hazel and bramble; heathland; wetlands including wet meadow, calcareous fen, sedge bed and river bank; grassland at woodland fringe; unimproved calcareous grassland; parkland; gardens. iii–x.

BRADYSIA BULBOSTYLA MOHRIG & MENZEL, 1990

Literature: Freeman (1987): 202 [as *Bradysia amoena*, misidentification]; Chandler (2001): 200 [as *Bradysia arcana*, misidentification].

New to British and Irish list.

Material examined: Buckingham Palace Garden, Greater London, 1 male, 11.vi.–1.viii.1996; 1 male, 27.iii.–24.iv.1997; 1 male, 19.vi.–18.vii.1997; 1 male, 18.vii.–13.viii.1997, all D.J. Carter & C.W. Plant leg. (PPCM). Buckingham Thick Copse, Northamptonshire, 1 male, 8.v.1992, Warne leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 10.v.–23.v.1995; 1 male, 31.viii.–13.ix.1996, all Ismay leg. (PPCM). Castle Neroche, Somerset, 1 male, 12.v.1936, Edwards leg. (BMNH). Chigwell Row Wood, Chigwell Row, Essex, 2 males, 1 female, 13.v.–27.v.2002; 1 male, 1 female, 20.v.2002; 2 males, 11.vi.2002; 28 males, 1 female, 18.vi.2002; 41 males, 3 females, 28.vi.2002; 4 males, 15.ix.2002; 3 males, 1 female, 23.ix.2002; 3 males, 26.ix.2002; 12 males, 8.x.2002; 6 males, 3 females, 16.x.2002; 2 males, 2 females, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). East Burnham, Buckinghamshire, 1 male, 15.vi.1931 (reared), Basden leg. (BMNH). Farnham Royal, Buckinghamshire, 1 male, 11.v.1931; 1 male, 8.iv.1932 (all reared), all Basden leg. (BMNH, NMS). Formoyle, Clare, 1 male, 17.ix.–25.ix.1991, Green leg. (PPCM). Gearagh, Cork, 1 male, 2.iv.1990, de Courcy Williams leg. (NMID). Gibridings Wood, Staffordshire, 1 male, 14.x.1997, Chandler leg. (PPCM). Hartslock, Oxfordshire, 1 male, 6.v.2000; 1 male, 14.v.2000, all Raper leg. (PDGB). Hitchin, Hertfordshire, 1 male, ix.1917, Edwards leg. (BMNH). Knebworth, Hertfordshire, 1 male, x.1922; 1 male, 29.iv.1923, all Edwards leg. (BMNH). Lackham Park, Wiltshire, 1 male, 2.vii.2002, Chandler leg. (PPCM). Lancut, Gloucestershire, 1 male, 5.ix.2002, Gibbs leg. (PDGB). Letchworth, Hertfordshire, 1 male, v.1918, Edwards leg. (BMNH). Oxey Mead, Oxfordshire, 1 male, 15.ix.1999, Chandler leg. (PPCM). Oxford, Oxfordshire, 1 male, 10.iv.1926; 1 male, 12.vii.1926 (all reared), all Hamm leg. (BMNH). Oxford University Parks, Oxford, Oxfordshire, 2 males, 8.iii.–6.iv.1926 (reared), Hamm leg. (BMNH). Pett's Wood, Greater London, 1 male, x.1984, Freeman leg. (BMNH). Temple, Berkshire, 6 males, 21.iv.–30.iv.1934 (reared), Basden leg. (BMNH, NMS). The Loke, Norwich, Norfolk, 1 male, 26.iv.1987; 1 male,

8.v.1987; 1 male, 18.vi.1987; 1 male, 5.vii.1987; 3 males, 10.viii.1987; 2 males, 15.ix.1987; 1 male, 24.x.–25.x.1987; 1 male, 5.v.1988; 1 male, 18.ix.–20.ix.1988; 1 male, 5.vi.–13.vi.1989; 1 male, 15.ix.–28.ix.1989; 1 male, 27.vii.1992; 1 male, 27.viii.–1.ix.1992; 1 male, 24.ix.–3.x.1992; 3 males, 29.ix.–3.x.1992, all Laurence leg. (PBLN). Turville Heath, Buckinghamshire, 2 males, 20.vii.2002, Chandler leg. (PPCM). No locality details, Norfolk, 2 males, 1983, no collector details (PPWM).

Ecological notes: very common in broad-leaved woodland; ancient woodland with oak, hazel and bramble; heathland; grikes; water meadows by river bank with trees; gardens; in stick insect cage. Reared from nests of blackbird, thrush, robin. iii–x.

BRADYSIA CINERASCENS (GRZEGORZEK, 1884)

Synonyms: *interstincta* (Grzegorzek, 1884); *lanicauda* Tuomikoski, 1960.

Literature: Chandler, O'Connor & Ashe (1996): 258 [as *Bradysia confinis*, misidentification].

New to British and Irish list.

Material examined: Arne, Dorset, 1 male, 17.v.–5.vi.1992, C.W. Plant leg. (PPCM). Bank, New Forest, Hampshire, 1 male, 17.v.1953, Colyer leg. (BMNH). Bellanagh, Cavan, 1 male, 3.viii.1981, J.P. & M.O'Connor leg. (NMID). Bohuntine, Highland Region, 1 male, 20.vii.1997, Chandler leg. (PPCM). Boundless Copse, Surrey, 1 male, 26.vi.2002, Chandler leg. (PPCM). Camghouran, Perth & Kinross, 1 male, 31.viii.1987, Chandler leg. (NMS). Hafod Garregog, Gwynedd, 6 males, 30.vi.–14.vii.1999; 5 males, 14.vii.–8.ix.1999, all Levey & Pavett leg. (HRI, PPCM). Islau dref, Gwynedd, 1 male, 10.x.1975, Chandler leg. (PPCM). Glen Affric, Highland Region, 1 male, 1.ix.1984, Chandler leg. (PPCM). Monk Wood, Avon, 1 male, 22.ix.2000, Gibbs leg. (PDGB). Purn Hill, Avon, 1 male, 24.v.2002, Gibbs leg. (PDGB). Scotland Fen, Suffolk, 1 male, 19.x.1996, Chandler leg. (PPCM). Staverton Thicks, Suffolk, 2 males, 19.v.1996, Chandler leg. (PPCM). Tunstall Common, Suffolk, 1 male, 19.x.1996, Chandler leg. (PPCM).

Ecological notes: widespread in broad-leaved woodland (including calcareous); also found in mixed and ancient pine woodland; fen; dry heath; calcareous grassland. v–x.

BRADYSIA CONFINIS (WINNERTZ, 1867)

Synonyms: *myrtilli* (Winnertz, 1867); *nigrescens* (Winnertz, 1869); *occulta* (Winnertz, 1867); *sororcula* (Winnertz, 1867); *tarda* (Winnertz, 1867).

Literature: Edwards (1925a): 538 [as *Sciara*]; Freeman (1983b): 35; Chandler (2001): 200; Menzel (1998): 20.

Material examined: Alice Holt Forest, Hampshire, 2 males, 10.v.1984, Chandler leg. (PPCM). Bagley Wood, Oxfordshire, 3 males, 18.v.1936, Edwards leg. (BMNH). Blean Wood, Kent, 2 males, 19.v.1973, Parmenter leg. (BMNH). Brampton Wood, Cambridgeshire, 1 male, 13.v.1989, J.H. Cole leg. (PJCB). Brockhurst Wood, Buckinghamshire, 2 males, 2 females, 5.v.1935, Basden leg. (NMS). Buckingham Palace Garden, Greater London, 1 male, 24.iv.–15.v.1997, D.J. Carter & C.W. Plant leg. (PPCM). Castle Neroche, Somerset, 4 males, 12.v.1936, Edwards leg. (BMNH). Charleville Wood, Offaly, 1 male, 27.v.1984, Chandler leg. (PPCM). Clovelly, Devon, 1 male, 8.v.1936, Edwards leg. (BMNH). Corrimony, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Darenth, Kent, 3 males, 5 females, 3.v.1898, Grant leg. (BMNH). Epping Forest, Essex, 5 males, 26.iv.–2.v.1999; 1 male, v.1999, all Dagley leg. (HRI, PPCM). Farley Down, Hampshire, 3 males, 20.v.1936, Edwards leg. (BMNH). Fungarath, Perth & Kinross, 1 male, 30.v.1998, Chandler leg. (PPCM). Hook Common, Hampshire, 3 males, 9.v.1976, Chandler leg. (PPCM). Knebworth, Hertfordshire, 3 males, 4.v.1923; 1 male, 6.v.1923; 1 male, 13.v.1923, all Edwards leg. (BMNH). Ledmore Wood, Highland Region, 1 male, 28.v.1994, Chandler leg. (PPCM). Loch Achilty, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Lolly Moor, Norfolk, 1 male, 23.v.1979, Irwin leg. (PPWM). New Forest, Hampshire, 1 male, 16.v.1968, Parmenter leg. (BMNH). Newmarket, Cambridgeshire, 1 male, 29.iv.1889, Verrall leg. (BMNH). Nuremore Lake, Carrickmacross, Monaghan, 2 males, 20.v.1976, J.H. Cole leg. (PJCB). Savernake Forest, Wiltshire, 1 male, 11.iv.–2.v.1990, Porter leg. (PPCM); 3 males, 3.v.1993, Chandler leg. (PPCM). Sedlescombe, East Sussex, 1 male, 2.v.1997; 1 male, 3.v.1997, all Roper leg. (PPRS). Staffhurst Wood, Surrey, 1 male, 18.v.1991, Chandler leg. (PPCM). Stoke Wood, Buckinghamshire, 1 male, 2 females, 29.iv.1943, Richards leg. (BMNH). Stokeford Heath, Dorset, 1 male, 7.v.2001, Gibbs leg. (PDGB). Windsor Forest, Berkshire, 2 males, 10.v.1939, Edwards leg. (BMNH).

Ecological notes: very common in broad-leaved and mixed woodland and conifer plantations; sandy heathland; lakeside marsh with scrub; fen; formal garden with wooded fringes and lake; grassland (including calcareous). iv–v.

BRADYSIA DIFFORMIS FREY, 1948

Synonyms: *agrestis* Sasakawa, 1978; *paupera* Tuomikoski, 1960.

Literature: Edwards (1925a): 540 [in part as *Sciara praecox*, misidentification]; Poinar & Doncaster (1965): 73; Binns (1981): 417; Freeman (1983b): 36 [all as *Bradysia paupera*]; Dunne & O'Connor (1989): 64 [as *Bradysia aprica*, misidentification]; Buxton (1993): 23 [as *Bradysia paupera*]; Menzel (1998): 20; White, Smith & Menzel (2000): 208; Menzel, Smith & Colauto (2003): 451.

New to Irish list.

Material examined: Berwick-upon-Tweed, Northumberland, 1 male, vi.1999; 2 males, ix.1999, all Laurence leg. (PBLN). Cheshunt, Hertfordshire, 1 male, 19.v.1939, Speyer leg. (HRI). Evesham, Worcestershire, 1 male, 1996, J.E. Smith leg. (HRI). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 2 females, 3 larvae, xi.1952–ii.1953; 2 males, 3 larvae, i.1953; 2 larvae, 19.i.1953; 5 males, 20.vi.1956; 3 males, 10.ix.1956; 4 males, 17.ix.1956; 1 male, 24.ix.1956; 1 male, 1.x.1956; 3 males, 15.x.1956; 1 male, 23.x.1956; 1 male, 5.xi.1956; 1 male, 2 females, x.1963, all Parr leg. (HRI); 1 female, 9.i.1964; 1 male, 23.iv.1965; 1 male, 1 female, 5.vii.1965; 2 males, 22.x.1965; 4 males, 1 female, no date, all Gurney leg. (HRI); 5 males, 3.ix.1966; 4 males, 1 female, no date, all Hussey leg. (HRI); 2 males, 24.ix.1975; 9 males, 2 females, 1975; 5 males, 3 females, 1977; 1 male, 1.ii.1980; 6 males, 3.v.1982; 29 males, 2 females, no date, all Binns leg. (HRI). Kinsealy Research Centre, Dublin, 2 males, 2 females, 24.ii.–25.ii.1986; 35 males, 15.ix.–26.x.1986 (reared), all Dunne leg. (NMID). Lea Valley, Hertfordshire, 1 male, 1 female, 20.iii.1965; 1 male, 20.viii.1965, all Butters leg. (HRI). Leamington Spa, Warwickshire, 3 males, 1998, J.E. Smith leg. (HRI). Mid Yell, Shetland, 1 male, ix.1990, Laurence leg. (PBLN). Nazeing, Essex, 7 males, no date, Stevens leg. (HRI). Sedlescombe, East Sussex, 1 male, xi.2001, Roper leg. (PPRS). Stanford, Norfolk, 1 male, 10.iv.–24.iv.1988, Collier leg. (PPWM). Ravensworth, North Yorkshire, 2 males, 5.v.1981, Port leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, I.–iii.1990, Laurence leg. (PBLN). Wellesbourne, Warwickshire, 1 male, 27.i.1998; 5 males, 27.vii.1998; 1 male, 4.viii.2000; 1 male, xi.2001, all J.E. Smith leg. (HRI, PPCM). No locality details, England, 11 males, 10 females, 1986, White leg. (HRI).

Ecological notes: common in glasshouses and in house plant compost; also found in gardens; grassland at woodland fringe; found damaging cucumbers in pots [Cheshunt record, Edwards (1925a)]; mushroom farm in old compost. Reared in laboratory culture. i–xii.

BRADYSIA DISTINCTA (STAEGER, 1840)

Synonyms: *egregia* (Beling, 1873); *fastuosa* (Winnertz, 1867); *insignis* (Winnertz, 1867).

Literature: Edwards (1925a): 539 [as *Sciara insignis*]; Freeman (1983b): 36 [as *Bradysia insignis*]; Menzel (1998): 20.

Material examined: Baldock, Hertfordshire, 1 female, vi.1918, Edwards leg. (BMNH). Cors Erddreiniog, Isle of Anglesey, 2 males, 27.vii.1988; 3 males, 6.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Crag Wood, North Yorkshire, 1 male, 18.vi.1920, Cheetham leg. (BMNH). Fowl Mere, Norfolk, 1 male, 1 female, vi.1939, Edwards leg. (BMNH). Ivybridge, Devon, 1 male, 18.v.1893, Yerbury leg. (BMNH). Thompson Common, Norfolk, 1 male, 7.vi.1986, Withers leg. (PPWM). Trawsfynydd, Gwynedd, 1 male, 5.viii.1988, Holmes, Boyce & Reed leg. (PPWM). No locality details, 2 males, 1 female, no date [19th century], Dale leg. (BMNH).

Ecological notes: found in broad-leaved woodland; wetlands with *Cladium*, *Phragmites*, *Molinia* and *Myrica*; grassland with pingo pools. v–viii, x.

BRADYSIA DOLOSA LAURENCE, 1994

Literature: Laurence (1994): 112; Menzel (1998): 20; Withers (2002): 114.

Material examined: Catfield, Norfolk, 7 [not 8] males, 12.x.1988, Foster & Procter leg. [holotype and paratypes of *Bradysia dolosa*] (DEI, PBLN). Foulden, Norfolk, 12 males, 10.vi.–8.vii.1988, Foster & Procter leg. [paratypes of *Bradysia dolosa*] (PBLN). Hickling, Norfolk, 1 male, 22.viii.1988, Foster & Procter leg. [paratype of *Bradysia dolosa*] (PBLN). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Middle Harling, Norfolk, 1 male, 28.vi.–12.vii.1988, Foster & Procter leg. [paratype of *Bradysia dolosa*] (PBLN).

Ecological notes: found in broad-leaved and carr woodland; wetlands including fen, sedge bed and raised bog. vi–x.

BRADYSIA FENESTRALIS (ZETTERSTEDT, 1838)

Synonym: *frigida* (Winnertz, 1867).

Literature: Freeman (1983a): 168; Freeman (1983b): 36; Menzel (1998): 20 [as *Bradysia arcana*, misidentification]; Menzel & Mohrig (1998): 354; Menzel & Mohrig (2000): 153; Menzel & Heller (2005): 350.

Material examined: Temple, Berkshire, 1 male, 23.iv.1932, leg. Basden (BMNH). The Loke, Norwich, Norfolk, 1 male, 2.v.–6.v.1992, Laurence leg. (DEI).

Ecological notes: found in garden. Reared from narcissus bulbs and nests of moorhen (Freeman, 1983a). iv–v.

Taxonomic note: Contrary to the literature study by Menzel & Mohrig (2000: 151 and 154), Freeman

(1983a, b) correctly identified in part the extremely rare species *B. fenestralis* (Zetterstedt) [nec *B. arcana* Menzel & Mohrig, 1998]. A male from BMNH [details: Temple, Berkshire, 23.iv.1932, Basden leg.] was used for Fig. 135 in Freeman (1983b). At least with this specimen there is no doubt that it is *B. fenestralis* and not *B. arcana*. There is another male from BMNH, cited in Freeman (1983b: 36) [labelled 'Kent, Cobham'], but the identification is unconfirmed as the genitalia preparation is black.

BRADYSIA FLAVIPILA TUOMIKOSKI, 1960

New to British and Irish list.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 22.iii.1990; 1 male, 15.vi.1990; 1 male, 24.ix.1990, all de Courcy Williams leg. (DEI, NMID). Brandyquoi, Kirkwall, Orkney, 1 male, 28.v.–8.vi.2001; 2 males, v.–vi.2001, all Laurence leg. (PBLN). Cadair Idris, Gwynedd, 1 male, 13.xi.1993, Laurence leg. (PBLN). Eday, Orkney, 1 male, 1.vi.–6.vi.1988, Laurence leg. (PBLN). Gearagh, Cork, 1 male, 5.viii.1990, de Courcy Williams leg. (DEI). Lundy Island, Devon, 1 male, 1 female, 11.vii.1972, Hutson leg. (BMNH); 1 male, 20.vii.–27.vii.1972, Lane leg. (BMNH). Narborough Bog, Whetstone, Leicestershire, 1 male, 24.viii.2003, J.E. Smith leg. (HRI). North Ronaldsay, Orkney, 1 male, 4.ix.–6.ix.1989; 2 males, 9.ix.1989, 2 males, ix.1989, all Laurence leg. (PBLN). Salisbury Plain Training Area, Warminster, Wiltshire, 11 males, 4.vii.2003, Ismay & Schulten leg. (DEI, UMO). The Loke, Norwich, Norfolk, 1 male, 4.vii.1987; Laurence leg. (PBLN). Tomintoul, Moray, 88 males, 11 females, 8.viii.–11.viii.1937, Coe leg. (BMNH). Unst, Shetland, 6 males, 30.v.–2.vi.1997, Laurence leg. (PBLN). Vidlin, Shetland, 1 male, 14.vi.–16.vi.1992, Laurence leg. (PBLN). Weisdale, Shetland, 4 males, viii.1996, Laurence leg. (PBLN). Wicklow town, Wicklow, 1 male, 19.x.–22.x.1998, Laurence leg. (PBLN). Willes Meadow, Leamington Spa, Warwickshire, 1 male, 27.viii.2002, Menzel leg. (DEI). No locality details, ? Wales, 1 male, ix.1988, Eyre & Luff leg. (PPWM).

Ecological notes: found in damp broad-leaved woodland; wet meadow with reed bed on peat; bog; meadow flooded in winter; unimproved calcareous grassland; open montane habitats; near shore; gardens. iii, v–xi.

BRADYSIA FUNGICOLA (WINNERTZ, 1867)

Synonyms: *fera* (Winnertz, 1867); *hercyniae* (Winnertz, 1869); *incana* (Strobl, 1910); *ingrata* (Winnertz, 1867); *sylvicola* (Winnertz, 1869).

Literature: Menzel (1998): 20; Chandler *et al.* (2002): 122.

- Material examined:* Alice Holt Forest, Hampshire, 1 male, 23.vii.1999, Chandler leg. (PPCM). Alvecote Pools, Staffordshire, 4 males, 13.x.2001, J.E. Smith leg. (HRI). Annahala bog, Gearagh, Cork, 2 males, 1.vi.1990, de Courcy Williams leg. (DEI, NMID). Ashridge Estate, Hertfordshire, 2 males, 8.vii.1999, Chandler leg. (PPCM). Aviemore, Highland Region, 1 male, v.1934, Edwards leg. (BMNH). Bix Bottom, Oxfordshire, 2 males, 23.ix.2000, Raper leg. (PDGB). Bolt Wood, Stockerston, Leicestershire, 1 male, 1 female, 24.viii.2003, Menzel leg. (DEI). Boundless Copse, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Brancaster, Norfolk, 1 male, 1.vii.–15.vii.1988, Foster & Procter leg. (PBLN). Burnham Beeches, Buckinghamshire, 1 male, 15.ix.–4.x.1995; 1 male, 22.vii.–5.viii.1996; 1 male, 17.v.–25.v.1999, all Ismay leg. (PPCM). Caerhays Castle, Cornwall, 1 male, 2.vii.1988, Chandler leg. (PPCM). California Country Park, Berkshire, 1 male, 27.vii.1996, Chandler leg. (PPCM). Castle Eden Dene, Durham, 1 male, 14.viii.1990, J.H. Cole leg. (PJCB). Charleville Wood, Offaly, 1 male, 19.ix.1999, Chandler leg. (PPCM). Chester, Cheshire, 1 male, 27.ii.1953, Gordon-Smith leg. (BMNH). Chippenham Fen, Cambridgeshire, 1 male, 2.vii.1988, Chandler leg. (PPCM). Clovelly, Devon, 1 male, 8.v.1936, Coe leg. (BMNH). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Coombe Abbey Country Park, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Cuckfield, West Sussex, 1 male, 15.i.1969 (reared), Lane leg. (BMNH). Cuckoo Wood, Downe, Greater London, 1 male, 20.vii.1985, Chandler leg. (PPCM). Culbin Sands, Highland Region, 1 male, 5.vii.–7.vii.1936, Coe leg. (BMNH). Dinton Pastures Country Park, Berkshire, 1 male, 20.xi.1992, Chandler leg. (PPCM). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Dowdeswell Wood, Gloucestershire, 1 male, 16.ix.2001, Gibbs leg. (PDGB). Epping Forest, Essex, 10 males, vii.–ix.1998; 1 male, 1999, all Dagley leg. (PPCM). Felbrigg Wood, Norfolk, 1 male, 10.vii.1993, Chandler leg. (PPCM). Folly Farm, Avon, 1 male, 25.vii.2001, Gibbs leg. (PDGB). Frithsden Beeches, Hertfordshire, 1 male, 16.x.1997, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 7.iv.1990; 1 male, 11.v.1990; 1 male, 12.vi.1990; 1 male, 30.vi.1990; 1 male, 5.viii.1990; 1 male, 8.ix.1990; 1 male, 26.ix.1990, all de Courcy Williams leg. (DEI, NMID). Glen Coiltie, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Goring-on-Thames, Oxfordshire, 1 male, 19.iv.1962, J.H. Cole leg. (PJCB). Grange-over-Sands, Cumbria, 1 male, 20.iii.1996, Birkett leg. (PPCM). Highgate Wood, Greater London, 1 male, 1998–99, Hackett leg. (PPCM). Hitch Wood, Hertfordshire, 1 male, 26.ix.1937, Edwards leg. (BMNH). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Lackham Park, Wiltshire, 1 male, 2.vii.2002, Chandler leg. (PPCM). Lea Meadows, Newtown Linford, Leicestershire, 3 females, 24.viii.2003, Menzel leg. (DEI). Leckford Estate, Hampshire, 1 male, 5.v.1984; 1 male, 1.ix.1999, all Chandler leg. (PPCM). Loch Achilty, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Loch Loy, Highland Region, 1 male, 14.vii.1984, Chandler leg. (PPCM). Monk's Wood, Muckross, Kerry, 1 male, 4.v.1981, Chandler leg. (PPCM). Narborough Bog, Whetstone, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). New Close Wood, Brandon, Warwickshire, 1 male, 28.viii.2003, Menzel leg. (DEI). New Forest, Hampshire, 1 male, 17.x.1937, Edwards leg. (BMNH). Newbattle Abbey, Midlothian, 3 males, 6.vi.1994 (reared), Rothery leg. (NMS). Nuremore Lake, Carrickmacross, Monaghan, 2 males, 20.v.1976, J.H. Cole leg. (PJCB). Paradize Wood, Herefordshire, 1 male, 9.x.1998, Chandler leg. (PPCM). Redgrave Lake, Suffolk, 1 male, 24.v.1987, Withers leg. (PPWM). Rhôs Rydd, Ceredigion, 1 male, 25.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Ringstead, Dorset, 1 male, viii.1939, Edwards leg. (BMNH). Rosevear, Cornwall, 1 male, 6.vii.1983, Chandler leg. (PPCM). Rotherfield Park, Hampshire, 1 male, 3.vii.2002; 1 male, 2.x.2002, all Chandler leg. (PPCM). Savernake Forest, Wiltshire, 1 male, 3.v.1993, Chandler leg. (PPCM). Scargill, Durham, 1 male, 5.viii.1979, Chandler leg. (PPCM). Sedlescombe, East Sussex, 1 male, 11.ix.1999, Roper leg. (PPRS). Sidmouth, Devon, 1 male, 10.v.1936, Edwards leg. (BMNH). Spartum Fen, Oxfordshire, 1 male, 15.x.1999, Chandler leg. (PPCM). Spey Bay, Moray, 1 male, 2.vii.1936, Coe leg. (BMNH). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM). Stony-brow Wood, Rotherfield Park, Hampshire, 1 male, 2.x.2002, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 26.iv.1987; 1 male, 15.v.–18.v.1992, all Laurence leg. (PBLN). The Spittles, Dorset, 1 male, 2.vii.1998, Perry leg. (PPCM). Torboll Wood, Highland Region, 1 male, 26.v.2002, Chandler leg. (PPCM). Udale Bay, Highland Region, 1 male, 29.v.2002, Chandler leg. (PPCM). Uragh Wood, Kerry, 1 male, 8.vii.1990, Withers leg. (PPWM). West End Common, Esher, Surrey, 1 male, 19.v.2002, Chandler leg. (PPCM). Wheatfen Broad, Norfolk, 1 male, 8.x.1988, Withers leg. (PPWM). Wicken Fen, Cambridgeshire, 1 male, 12.v.1990, Withers leg. (PPWM). Woodbastwick, Norfolk, 1 male, viii.1932, Edwards leg. (BMNH). Wychwood, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, Menzel leg. (DEI). No locality details, Wales, 1 male, no date, Holmes, Boyce & Reed leg. (PBLN).
- Ecological notes:* very common in broad-leaved and carr woodland; conifer plantations; ancient pine woodland; wetlands including water meadows, sedge bed,

wooded river banks and lake shores, bogs; grassland (including calcareous); gardens; old hedges; salt-marsh; dunes; coastal clay cliffs. Reared from fallen beech trunk and rotten wood. ii–xi.

BRADYSIA GIRAUDII (EGGER, 1862)

Synonyms: *clavigera* (Lengersdorf, 1926); *nemorum* (Winnertz, 1867).

Literature: Freeman (1983b): 36; Chandler *et al.* (1996): 259 [all as *Bradysia giraudi* (Schiner) [recte *giraudii* (Egger)]; Menzel (1998): 20.

Material examined: Bayfordbury Estate, Hertford, Hertfordshire, 1 male, 10.vi.1975, J.H. Cole leg. (PJCB). Bickley, Bromley, Greater London, 2 males, 12.v.1978 (reared), Dear leg. (BMNH). Bishop's Stortford, Hertfordshire, 1 male, vii.1993, C.W. Plant leg. (HRI). Buckingham Palace Garden, Greater London, 1 male, 23.v.–6.vi.1998, D.J. Carter & C.W. Plant leg. (PPCM). Byfleet, Surrey, 1 male, 14.v.1932, Coe leg. (BMNH). California Country Park, Berkshire, 1 male, 8.vii.1998, Chandler leg. (PPCM). Cothill, Oxfordshire, 1 male, 7.v.1972, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 9.vii.1994, Chandler leg. (PPCM). Ennis, Clare, 1 male, 30.v.1984, J.P. O'Connor leg. (NMID). Failford, by River Ayr, South Ayrshire, 1 male, 3.vii.1995, Chandler leg. (PPCM). Goring-on-Thames, Oxfordshire, 1 male, 15.v.1962, J.H. Cole leg. (PJCB). Hogley, Oxfordshire, 1 male, 25.iv.1924 (reared), Hamm leg. (UMO). Lackham Park, Wiltshire, 1 male, 2.viii.2002, Chandler leg. (PPCM). Leckford Estate, Hampshire, 1 male, 6.vii.1991, Chandler leg. (PPCM). Mark Ash Wood, New Forest, Hampshire, 1 male, 2.vi.1984, Chandler leg. (NMS). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998, Good leg. (PPWM). Oversley, Warwickshire, 1 male, ix.1969; 1 male, 4 females, x.1969 (reared), all Evans leg. (BMNH). Rostherne, Cheshire, 1 female, 29.v.1932, Britten leg. (BMNH). Runnymede Meadow, Surrey, 1 male, 2.vii.1990, Chandler leg. (NMS). Scadbury Park, Greater London, 3 males, 21.vii.1975, Chandler leg. (PPCM). Seaton, Devon, 1 male, v.1937 (reared), Blair leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 12.vii.1987; 1 male, 15.v.–18.v.1992, all Laurence leg. (PBLN). Theale, Berkshire, 1 male, 7.vii.2003, Chandler leg. (HRI). Thompson Common, Norfolk, 1 male, 11.vii.1997, Chandler leg. (PPCM). Toxside Hill, Midlothian, 1 male, 4 females, 1.xi.–9.xi.2001 (reared), Bland leg. (NMS). Walton Moor, Gordano, Avon, 3 males, 6 females, 20.iv.1952, d'Assis-Fonseca leg. (NMS, PPCM). Welbourne, Norfolk, 1 male, 18.viii.1983 (reared), Evans leg. (PPWM). Windbury Wood, Devon, 1 male, 18.v.1980, Chandler leg. (NMS). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg.

(BMNH); 1 male, 4.vi.1977, J.H. Cole leg. (PJCB). No locality details, Devon, 2 males, 4 females, iv.1942, Perkins leg. (BMNH).

Ecological notes: common in broad-leaved and carr woodland; mixed drier woodland; fen; *Cladium* beds with tufa; herb-rich grassland; grassland with pingo pools; water meadows and gravel pits; wooded river bank; gardens; meadow hedge. Reared from dead stem of foxglove, decaying pith of old thistle stems, dead stem of agrimony, stem of old nettles, stem of common mallow, thistle stem, rotten wood. iv–x.

BRADYSIA HELLERI MENZEL & MOHRIG, 1998

Literature: Laurence (1994): 118; Laurence (1996): 87 [all as *Bradysia brunripes*, misidentification].

New to British list.

Material examined: The Loke, Norwich, Norfolk, 2 males, 8.v.1987; 1 male, 15.vi.–19.vi.1987, all Laurence leg. (PBLN).

Ecological notes: found in garden. v–vi.

BRADYSIA HEYDEMANNI (LENGERSDORF, 1955)

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 2 males, 7.vi.–21.vi.1995; 10 males, 26.v.–26.xi.1996, all Ismay leg. (HRI, PPCM). Cadair Idris, Gwynedd, 1 male, 4.ix.1993, Laurence leg. (PBLN). Epping Forest, Essex, 1 male, x.1998, Dagley leg. (PPCM). Stanford battle area, Norfolk, 1 male, 27.iii.–10.iv.1988, Withers leg. (PPWM).

Ecological notes: found in ancient broad-leaved woodland and grassland; open montane habitats. iii–xi.

BRADYSIA HILARIFORMIS TUOMIKOSKI, 1960

Literature: Freeman (1983b): 38 [as *Bradysia hilaris*, misidentification]; Menzel (1998): 20.

New to Irish list.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 1.vi.1990, de Courcy Williams leg. (NMID). Brownsham, Devon, 1 male, 18.v.1987, Chandler leg. (PPCM). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Falls of Tarnash, Moray, 1 male, 1.vii.1936, Coe leg. (BMNH). Gearagh, Cork, 2 males, 30.vi.1990, de Courcy Williams leg. (DEI). Glen Coiltie, Highland Region, 1 male, 20.v.2002, Chandler leg. (PPCM). Lackham Park, Wiltshire, 4 males, 20.ix.2002, Chandler leg. (PPCM). Leckford, Hampshire, 1 male, 25.vii.1998, Chandler leg. (PPCM). Malham Tarn, North Yorkshire, 1 male, 3.vi.–5.vi.1982,

Disney leg. (PPWM). Savernake Forest, Wiltshire, 1 male, 3.v.1993, Chandler leg. (PPCM). Tre Wilmot, Isle of Anglesey, 1 male, 14.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Wychwood, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 5 males, 2 females, 21.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI).

Ecological notes: widespread in broad-leaved woodland; also found in bogs; lakeshore; basin mire. v–ix.

BRADYSIA HILDAE HELLER, 2000

New to British list.

Material examined: Bromley, Greater London, 1 male, 11.vii.1953, Biggs leg. (NMS). Cadair Idris, Gwynedd, 1 male, 22.x.1993, Laurence leg. (PBLN). Epping Forest, Essex, 1 male, iv.–v.1999, Dagley leg. (PPCM). Letchworth, Hertfordshire, 1 male, iii.1936; 1 male, vi.1936, all Edwards leg. (BMNH).

Ecological notes: found in ancient broad-leaved woodland; grassland; open montane habitats. iii–vii, x.

BRADYSIA HOLSATICA HELLER, 2004

New to British list.

Material examined: Blaen y Wergloedd, Conwy, 1 male, 4.viii.1988; 1 male, 13.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Brynberian Moor, Pembrokeshire, 1 male, 12.x.1987, Holmes, Boyce & Reed leg. (PPWM). Cefn Grwyd, Neath/Port Talbot, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Colwyn Brook, Powys, 1 male, 18.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Comin Esgair Maen, Ceredigion, 1 male, 15.x.1987, Holmes, Boyce & Reed leg. (PPWM). Coombe Abbey Country Park, Coventry, Warwickshire, 1 male, 28.viii.2003, Menzel leg. (DEI). Cors Caron, Ceredigion, 1 male, 27.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Caranod, Ceredigion, 1 male, 15.vi.1987; 2 males, 1.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Cors Erddreiniog, Isle of Anglesey, 2 males, 14.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Farlais, Carmarthen, 1 male, 28.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Geirch, Gwynedd, 1 male, 28.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 1 male, 28.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Dyffryn Gwaun, Pembrokeshire, 1 male, 6.vii.1987; 1 male, 20.vii.1987; 1 male, 26.ix.1987; 1 male, 28.ix.1987, all Holmes, Boyce & Reed leg. (PPWM). Fairwood Common, Swansea/Abertawe, 1 male, 4.x.1989, Holmes, Boyce & Reed leg. (PPWM). Illtyd Pools, Powys, 1 male, 5.vii.1989; 1 male, 19.vii.1989; 1 male, 11.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Llanon, Swansea/Abertawe, 1 male,

13.vii.1989; 4 males, 3.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Llyn Coethlyn, Powys, 2 males, 26.x.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Creiniog, Denbighshire, 1 male, 6.vii.1988; 1 male, 13.x.1988; 1 male, 27.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Llyn Tyn y Mynydd, Gwynedd, 1 male, 20.vii.1988; 3 males, 18.viii.1988, all Holmes, Boyce & Reed leg. (PPWM). Merddwr, Denbighshire, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Magor Marsh, Monmouthshire, 1 male, 28.ix.1988, Holmes, Boyce & Reed leg. (PPWM). Nûg, Conwy, 1 male, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Rhôs Cruglas, Carmarthen, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôs Llawr Cwrt, Ceredigion, 3 males, 6.x.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôsili Down, Swansea/Abertawe, 2 males, 12.vii.1989; 1 male, 3.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Trawsfynydd, Gwynedd, 1 male, 7.vii.1988, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found in broad-leaved woodland; common on wetlands in Wales including damp heathland, fens, bogs, valley and basin mires; grazed meadow. vi–x.

BRADYSIA INUSITATA TUOMIKOSKI, 1960

Literature: Freeman (1983a): 169; Freeman (1983b): 34; Laurence (1997b): 228; Menzel (1998): 20.

New to Irish list.

Material examined: Balmaha, Stirling, 1 male, 5.vii.1909, King leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 male, 10.v.–23.v.1995, Ismay leg. (PPCM). Crickhowell, Powys, 1 male, v.1937, Edwards leg. (BMNH). Dickleburgh, Norfolk, 1 male, 5.viii.1989, Withers leg. (PPWM). Eday, Orkney, 1 male, 30.v.–31.v.1988; 9 males, 1.vi.–6.vi.1988, all Laurence leg. (PBLN). Gearagh, Cork, 1 male, 10.vi.1990; 1 male, 12.vi.1990, all de Courcy Williams leg. (DEI, NMID). Holt Island, St. Ives, Cambridgeshire, 1 male, 13.ix.2002, J.H. Cole leg. (PJCB). Malham Tarn, North Yorkshire, 1 male, 2.vi.–3.vi.1982, no collector detail (BMNH). Milham Ford School, Oxford, Oxfordshire, 1 male, 18.v.2001, Webb leg. (PPCM). North Ronaldsay, Orkney, 1 male, 1.ix.1989, Laurence leg. (PBLN). Oakland Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). Pawlett Levels, Somerset, 1 male, 13.ix.1999, Gibbs leg. (PDGB). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM). Stradey Wood, Carmarthen, 1 male, 13.x.1995, Chandler leg. (PPCM). Vidlin, Shetland, 4 males, 14.vi.–16.vi.1992, Laurence leg. (PBLN). Wicken Fen, Cambridgeshire, 1 male, 25.ix.1990, J.H. Cole leg. (PJCB).

Ecological notes: found in broad-leaved woodland; willow carr; bog and lakeshore; fen meadows and ditches;

grazing marshes; school grounds with old poplars; near shore; gardens. iii–x.

BRADYSIA ISMAYI MENZEL SP. NOV.

New to British list.

Material examined: Beaulieu River, Hampshire, 1 male, 22.v.1936, Edwards leg. (BMNH). Coed Tycanol, Pembrokeshire, 2 males, 10.vi.–29.vi.1999, Levey & Pavett leg. [paratypes of *Bradysia ismayi*] (HRI, PPCM). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 23.v.–27.v.2002; 1 male, 11.vi.2002; 1 male, 18.vi.2002; 1 male, 20.vi.2002, all Ismay & Schulten leg. [holotype and paratypes of *Bradysia ismayi*] (DEI). Epping Forest, Essex, 1 male, v.1999, Dagley leg. [paratype of *Bradysia ismayi*] (PPCM). Hafod Garregog, Gwynedd, 1 male, 18.ix.–28.ix.1999, Levey & Pavett leg. [paratype of *Bradysia ismayi*] (PPCM). Letchworth, Hertfordshire, 1 male, ix.1936, Edwards leg. (BMNH). Migdale Loch, Highland Region, 1 male, 31.v.2002, Chandler leg. [paratype of *Bradysia ismayi*] (PPCM). Milham Ford School, Oxford, Oxfordshire, 1 male, 18.v.–22.v.2001, Webb leg. [paratype of *Bradysia ismayi*] (PPCM). The Loke, Norwich, Norfolk, 1 male, 21.viii.–24.viii.1989; 1 male, 28.iv.–4.v.1990; 1 male, 21.viii.1992, all Laurence leg. [paratypes of *Bradysia ismayi*] (PBLN).

Ecological notes: found in broad-leaved woodland; ancient woodland with oak, hazel and bramble; pine woodland on higher ground; school grounds with old poplars; alder and birch carr by stream; heathland (heather) with oak and holly; garden. v–vi, viii–ix.

BRADYSIA KASSEBEERI HELLER, 1998

Literature: Laurence (1994): 110 [in part as *Bradysia aprica* and *Bradysia fungicola*, misidentification].

New to British list.

Material examined: Cadair Idris, Gwynedd, 6 males, 13.x.–19.xii.1988, Laurence leg. (DEI). Catfield, Norfolk, 3 males, 29.ix.–12.x.1988; 19 males, 13.x.–12.xii.1988, all Foster & Procter leg. (PBLN). Dowrog Common, Pembrokeshire, 1 male, 13.x.1987, Holmes, Boyce & Reed leg. (PPWM). Gatwen Marsh, Denbighshire, 4 males, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Reedham, Norfolk, 1 male, 21.x.1988, Foster & Procter leg. (PBLN). Sutton, Norfolk, 1 male, 9.vi.–23.vi.1988, Foster & Procter leg. (PBLN). Thompson Common, Norfolk, 1 male, 13.ix.–27.ix.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in carr woodland and fen including *Carex*, *Typha latifolia* beds; open montane habitats. vi, viii–xii.

BRADYSIA LAPPONICA (LENGERSDORF, 1926)

Synonyms: *nigerrima* (Lengersdorf, 1940); *pseudopraecox* Frey, 1948; *quinquedentata* (Lengersdorf, 1936).

Literature: Menzel (1998): 20.

Material examined: Cadair Idris, Gwynedd, 1 male, 1.viii.1993; 1 male, 16.viii.1993, all Laurence leg. (PBLN). Coed y Gelli, Carmarthen, 2 males, 12.x.1995, McLean leg. (PPCM). Cotterdale, North Yorkshire, 1 male, 22.ix.1986, J.H. Cole leg. (PJCB). Hafod Garregog, Gwynedd, 1 male, 16.vi.–30.vi.1999, Levey & Pavett leg. (HRI). Loch Callater, Aberdeenshire, 1 male, 22.vii.1938, Coe leg. (BMNH). Loch Tummel, Perthshire, 1 male, 8.vii.1933, Collin leg. (BMNH). Loch Ussie, Highland Region, 1 male, 18.vi.1976, Chandler leg. (PPCM). Strathrory, Highland Region, 1 male, 15.vi.1976, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved and mixed woodland; riverbank with alders; open montane habitats. v–x.

BRADYSIA LEMBKEI MOHRIG & MENZEL, 1990

Literature: Freeman (1983b): 35 [in part as *Bradysia albanensis*, misidentification].

New to British list.

Material examined: Glen of Drumloch, Moray, 1 male, 16.viii.1937, Coe leg. (BMNH). Harpenden, Hertfordshire, 1 male, 7.x.1934, C.B. Williams leg. (BMNH). Shefford, Bedfordshire, 1 male, x.1917, Edwards leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 26.iv.1987, Laurence leg. (PBLN). Tomintoul, Moray, 1 male, 8.viii.–11.viii.1937, Coe leg. (BMNH). Tresco, Scilly Isles, Cornwall, 1 male, 6.x.1970, Hutson leg. (BMNH).

Ecological notes: found in garden and at 335 m a.s.l. iv, viii, x.

BRADYSIA LEPTOPTERA TUOMIKOSKI, 1960

Literature: Chandler *et al.* (2002): 122 [in part *Bradysia normalis*, misidentification].

Material examined: Ailladie, Clare, 1 male, 24.v.1985, J.P. & M.A. O'Connor leg. (NMID). California Country Park, Berkshire, 1 male, 19.v.1998, Chandler leg. (PPCM). North Ronaldsay, Orkney, 1 male, 9.ix.–10.ix.1989, Laurence leg. (PBLN). Tomintoul, Moray, 1 male, 8.vii.–11.vii.1937, Coe leg. (BMNH).

Ecological notes: found in carr and mixed drier woodland; sea shore on island. v, vii, ix.

BRADYSIA LEUCOPEZA MOHRIG & MAMAEV, 1989

Literature: Menzel (1998): 20.

Material examined: Cors Goch, Isle of Anglesey, 1 male, 28.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Gors Llwyn, Neath/Port Talbot, 1 male, 28.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Illtyd Pools, Powys, 1 male, 19.vii.1989, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found on wetlands including mire with *Juncus*, fens with *Phragmites* and *Carex*, *Cladium* bed. vi, vii.

BRADYSIA LOBATA HONDRU, 1968

New to British and Irish list.

Material examined: Chilbolton Common, Hampshire, 1 male, 6.vii.1991, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 7.iv.1990, de Courcy Williams leg. (DEI). Glyn Ceiriog, Wrexham, 1 male, 26.vi.–7.vii.1995, Brock leg. (PPCM). Moy, Tyrone, 1 male, 24.ix.–30.ix.1984, Boston leg. (PPCM). Woolcombe Meadow, Dorset, 1 male, 3.vii.1998, Chandler leg. (PPCM).

Ecological notes: found in damp broad-leaved woodland; water meadows; acid grassland. iv, vi–vii, ix.

BRADYSIA LOBULIFERA FREY, 1948

Literature: Edwards (1938): 201 [as *Sciara* (*Neosciara*) *pullula*, misidentification]; Freeman (1983b): 35; Laurence (1997b): 228 [all as *Bradysia pullula*, misidentification]; Menzel (1998): 20 [in part as *Bradysia rufescens*, misidentification].

Material examined: Birnam Hill, Perth & Kinross, 1 male, 13.vii.1991, Chandler leg. (PPCM). Brandyquoi, Orkney, 1 male, v.–vi.2001, Laurence leg. (PBLN). Crickhowell, Powys, 1 male, v.1937, Edwards leg. (BMNH). Failford, by River Ayr, South Ayrshire, 1 male, 3.vii.1995, Chandler leg. (PPCM). Falls of Tarnash, Moray, 1 male, 1.vii.1936; 4 males, 9.vii.1936, all Coe leg. (BMNH). Glen Coiltie, Highland Region, 1 male, 23.vi.1999; 1 male, 28.v.2002, all Chandler leg. (PPCM). Lackham Park, Wiltshire, 1 male, 20.ix.2002, Chandler leg. (PPCM). Migdale Wood, Highland Region, 1 male, 26.vi.1999, Chandler leg. (PPCM). Reelig Glen, Moniac, Highland Region, 3 males, 23.vi.1999, Chandler leg. (PPCM). Teesdale, Durham, 1 male, 22.vi.1924, Edwards leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 18.vii.1981, Laurence leg. (PBLN). Tomintoul, Moray, 1 male, 8.viii.–11.viii.1937, Coe leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 1 male, 2 females, 21.viii.2002, J.E. Smith leg. (HRI).

Ecological notes: widespread in broad-leaved woodland; also found in mixed woodland; alder and birch carr by stream; pine woodland on higher ground; garden. v–ix.

BRADYSIA LONGICUBITALIS (LENGERSDORF, 1924)

Synonym: *cinereovittata* Frey, 1948.

Literature: Edwards (1938): 201 [in part as *Sciara* (*Neosciara*) *brunnipes*, misidentification]; Freeman (1983a): 168 [as *Bradysia cinereovittatum* (recte *cinereovittata*)]; Freeman (1983b): 35 [as *Bradysia cinereovittata*]; Menzel (1998): 20.

Material examined: Craigmore Woods, Aberfoyle, Stirling, 1 male, 22.vi.1999, Chandler leg. (NMS). Crymlyn Bog, Swansea/Abertawe, 1 male, 19.vi.1906, Yerbury leg. (BMNH). Duddleswell, East Sussex, 1 male, 9.x.1976, Chandler leg. (PPCM). Fungarth, Perth & Kinross, 1 male, 30.v.1998, Chandler leg. (PPCM). Harpenden, Hertfordshire, 14 males, 1934, C.B. Williams leg. (BMNH). Loch Chon/Loch Ard, Stirling, 1 male, 22.vi.1999, Chandler leg. (PPCM). Migdale Wood, Highland Region, 1 male, 31.v.2002, Chandler leg. (PPCM). Rhôs Rydd, Ceredigion, 1 male, 25.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Sherrard's Wood, Welwyn, Hertfordshire, 1 male, 22.x.1936, Edwards leg. (BMNH).

Ecological notes: found in broad-leaved and mixed woodland; pine woodland on higher ground; conifer plantations with stream; alder and birch carr by stream; damp heath with *Carex*. v–vi, x.

BRADYSIA LONGISTYLIA MOHRIG & KRIVOSHEINA, 1982

Synonym: *longistyla* Mohrig & Krivosheina, 1989.

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 9.x.–26.xi.1996, Ismay leg. (PPCM). Lackham Park, Wiltshire, 1 male, 14.x.2002, Chandler leg. (PPCM). Sedlescombe, East Sussex, 1 male, xi.2001, Roper leg. (PPRS). The Loke, Norwich, Norfolk, 1 male, 8.v.1987; 4 males, 15.ix.1987, all Laurence leg. (PBLN). Upton Fen, Norfolk, 1 male, 11.x.2002, Chandler leg. (PPCM). West End Common, Esher, Surrey, 1 male, 19.x.2001, Chandler leg. (PPCM).

Ecological notes: widespread in ancient beech and other broad-leaved woodland; grassland at woodland fringe; fen; garden. v, ix–xi.

BRADYSIA LUCICHAETA MOHRIG & KRIVOSHEINA, 1989

New to British list.

Material examined: North Ronaldsay, Orkney, 1 male, 4.ix.–6.ix.1989, Laurence leg. (DEI).

Ecological notes: taken in a water trap on the shore of an island. ix.

BRADYSIA LUTARIA (WINNERTZ, 1869)

Synonym: *postbicolor* Mohrig & Krivosheina, 1983.

Literature: Laurence (1994): 118; Laurence (1996): 87 [all as *Bradysia brunripes*, misidentification]; Menzel (1998): 20; White *et al.* (2000): 208; White & Smith (2000): 165.

Material examined: Cors Erddreiniog, Isle of Anglesey, 2 males, 20.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cuckfield, West Sussex, 4 males, 16.i.1969 (reared), Lane leg. (BMNH). Dyffryn Gwaun, Pembrokeshire, 1 male, 20.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Glasshouse Crops Research Station, Littlehampton, West Sussex, 2 males, 13.viii.1956; 2 males, 15.viii.1956, all Hussey leg. (HRI); 1 male, 26.iv.1965; 1 female, 26.v.1965, all Gurney leg. (HRI). Lephinmore, Argyll & Bute, 1 female, 14.iv.1951; 2 females, 20.iv.1951 (all reared), all Pelham-Clinton leg. (NMS). Monkfield Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. (PPCM). Rhôs-y-gad, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Rothamsted, Harpenden, Hertfordshire, 10 males, 1950, Laurence leg. (PBLN). The Loke, Norwich, Norfolk, 1 male, 23.iv.1987; 1 male, 8.v.1987; 7 males, 18.vi.1987; 1 male, 4.vii.1987; 2 males, 5.vii.1987; 1 male, 25.vi.–19.vi.1988; 1 male, 15.ix.–28.ix.1989, all Laurence leg. (PBLN). Waun Isaf, Pembrokeshire, 1 male, 20.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Wellesbourne, Warwickshire, 7 males, 26.vi.1997, White leg. (DEI); 8 males, 29 females, 16.x.2000; 2 males, 11 females, xi.2000; 8 males, 29.xi.2001, all J.E. Smith leg. (DEI, HRI, PPCM). Yarrow, Scottish Borders, 4 males, 2 females, 20.iv.1951 (reared), Pelham-Clinton leg. (NMS). No locality details, England, 3 females, 14.x. [no year]; 2 males, 1 female, 16.x.1950, all no collector details (PBLN); 1 male, 1 female, 2 larvae, no date, Speyer leg. (HRI).

Ecological notes: found in broad-leaved woodland; damp heathland; wetlands including fens, reed beds and water meadows; garden; grounds of horticultural research station; in glasshouses on cucumber roots. Reared from rotten wood, dung, mushroom farm and laboratory cultures. iv–ix.

BRADYSIA MOESTA FREY, 1948

Synonym: *albosetosa* Frey, 1948.

New to British list.

Material examined: Bix Bottom, Oxfordshire, 1 male, 6.vii.2002, Chandler leg. (PPCM).

Ecological notes: found in site comprising broad-leaved woodland and calcareous grassland. vii.

BRADYSIA NERVOSA (MEIGEN, 1818)

Synonyms: *fucata* (Meigen, 1818); *variabilis* (Zetterstedt, 1838).

Literature: ? Walker (1848): 107 and 108 [as *Sciara fucata* and *Sciara nervosa*]; ? Walker (1856): 54 [as *Sciara fucata*]; ? Edwards (1938): 201 [as *Sciara (Neosciara)*]; Freeman (1983b): 37; Menzel (1998): 20.

Material examined: Bucklebury Common, Berkshire, 1 male, 27.v.1990, Chandler leg. (PPCM). Colsterworth, Lincolnshire, 1 male, 3.vi.1987, Chandler leg. (PPCM). Corrimony, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Craigellachie, Aviemore, Highland Region, 1 male, 30.v.2002, Chandler leg. (PPCM). Decoy Wood, Aqualate Mere, Staffordshire, 1 male, 23.v.1994, Chandler leg. (PPCM). Dubh Ghleann, Glen Quoich, Aberdeenshire, 3 males, 15.vi.2003, Chandler leg. (PPCM). Epping Thicks, Epping Forest, Essex, 2 males, 14.vi.–20.vi.1999, Dagley leg. (HRI). Frithsden Beeches, Hertfordshire, 1 male, 6.vi.1997, Chandler leg. (PPCM). High Force, Durham, 1 male, 27.vi.–28.vi.1987, Disney leg. (BMNH). Migdale Wood, Highland Region, 1 male, 11.vi.1984; 2 males, 31.v.2002, all Chandler leg. (PPCM, PPWM). Roydon Common, Norfolk, 1 male, 5.vi.1993, Chandler leg. (PPCM). Selborne Common, Hampshire, 1 male, 28.v.1988, Chandler leg. (PPCM). Staffhurst Wood, Surrey, 1 male, 19.v.1991, Chandler leg. (NMS). Windsor Forest, Berkshire, 1 male, 30.v.1997; 1 male, 15.v.1988, all Chandler leg. (NMS).

Ecological notes: widespread in broad-leaved and carr woodland; mixed and pine woodland; by waterfall. v–vi.

BRADYSIA NIGRISPINA MENZEL SP. NOV.

Literature: Freeman (1983b): 37 [in part as *Bradysia regularis*, misidentification].

New to British list.

Material examined: Berwick-upon-Tweed, Northumberland, 1 male, 24.v.–7.vi.1996; 1 male, viii.1999; 1 male, ix.1999, all Laurence leg. [paratypes of *Bradysia nigrispina*] (DEI, PBLN). Letchworth, Hertfordshire, 1 male, vii.1918, Edwards leg. (BMNH). Shrewsbury, Shropshire, 2 males, 21.vii.1920, Edwards leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 2.iii.1993, leg. Laurence [paratype of *Bradysia nigrispina*] (PBLN). Wellesbourne, Warwickshire, 1

male, 5.vii.–19.vii.2001, J.E. Smith leg. [paratypes of *Bradysia nigripina*] (HRI).

Ecological notes: found in gardens; outside mushroom farm. iii, v–viii, ix.

BRADYSIA NITIDICOLLIS (MEIGEN, 1818)

Synonyms: *alacris* (Winnertz, 1867); *albicans* (Winnertz, 1867); *aprilina* (Meigen, 1818); *atroparva* Frey, 1948; *fenestrata* (Meigen, 1818); *inornata* (Winnertz, 1867); *reforma* Rudzinski, 1993; *scatopsoides* (Meigen, 1818); *tenella* (Winnertz, 1867); *trichoptera* (Lengersdorf, 1926).

Literature: ? Walker (1848): 107 and 108; ? Walker (1856): 52, 54 and 55 [as *Sciara nitidicollis*, *Sciara fenestrata*, *Sciara aprilina* and *Sciara scatopsoides*]; Edwards (1925a): 540 [as *Sciara albinervis*, misidentification]; Edwards & Collin (1932): 264; Edwards (1934b): 34 [all as *Sciara*]; Edwards (1938): 201 [as *Sciara (Neosciara)*]; Freeman (1983b): 38 [in part as *Bradysia aprica*, misidentification]; Laurence (1994): 113; Chandler *et al.* (1996): 259; Laurence (1997a): 85; Laurence (1996): 85; Laurence (1997b): 228; Laurence & James (1997): 166; Menzel (1998): 20.

Material examined: Ailladie, Clare, 1 male, 24.v.1985, J.P. & M.A. O'Connor leg. (NMID). Ambersham Common, West Sussex, 1 male, 9.vi.1979, Chandler leg. (PPCM). Annahala bog, Gearagh, Cork, 4 males, 30.iii.1990; 2 males, 1 female, 6.iv.1990; 6 males, 1 female, 10.viii.1990; 4 males, 1 female, 25.viii.1990; 8 males, 1 female, 24.ix.1990, all de Courcy Williams leg. (DEI, NMID). Ashberry Pastures, North Yorkshire, 1 male, 12.x.1990, Chandler leg. (NMS). Ashtead, Surrey, 1 male, 8.v.1937, Coe leg. (BMNH). Austwick, North Yorkshire, 1 male, 10.x.1930; 1 male, v.1943, all Cheetham leg. (BMNH). Aversley Wood, Cambridgeshire, 1 male, 24.iv.1988, J.H. Cole leg. (PJCB). Ballyvourney, Cork, 1 male, 10.vii.1990, Withers leg. (PPWM). Balmoral Forest, Aberdeenshire, 9 males, 1.viii.–4.viii.1937; 2 males, 19.vii.–30.vii.1938, all Coe leg. (BMNH). Beaulieu River, Hampshire, 1 male, 22.vi.1936, Edwards leg. (BMNH). Ben Lawers, Perth & Kinross, 1 male, 1.vi.1932, Edwards leg. (BMNH). Blean Wood, Kent, 1 male, 19.v.1973, Parmenter leg. (BMNH). Blaen y Wergloedd, Wrexham, 1 male, 4.viii.1988; 1 male, 13.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Bodnant, Conwy, 1 male, 2.v.1953, Colyer leg. (BMNH). Bonhill, West Dunbartonshire, 1 male, 28.vii.1908, Malloch leg. (NMS). Boveney Lock, Buckinghamshire, 1 male, 18.iv.1981, Chandler leg. (PPCM). Bradfield Wood, Suffolk, 2 males, 6.vii.–11.vii.1990; 1 male, 11.vii.–16.vii.1990; 5 males, 19.x.–16.x.1990; 2 males, 16.viii.–22.viii.1991; 4 males, 23.v.–30.v.2000, all Laurence leg. (PBLN). Braedownie,

Angus, 2 males, 24.vii.1937, Coe leg. (BMNH). Braemar, Aberdeenshire, 1 male, 19.vii.–30.vii.1938, Coe leg. (BMNH). Brancaster, Norfolk, 1 male, 16.ix.–8.x.1988, Foster & Procter leg. (PBLN). Brockenhurst, Hampshire, 1 male, 10.ix.1977, Chandler leg. (PPCM). Brynberian Moor, Pembrokeshire 1 male, 6.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Burley, Hampshire, 1 male, 30.vii.1953, Colyer leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 male, 4.x.1999, Chandler leg. (NMS). Cadair Idris, Gwynedd, 2 males, 19.vi.1993; 3 males, 3.vii.1993; 1 male, 13.vii.1993; 1 male, 17.vii.1993; 1 male, 1.viii.1993; 4 males, 4 ix.1993; 8 males, 22.x.1993; 12 males, 13.xi.1993, all Laurence leg. (PBLN). Caerkief Farm, Cornwall, 1 male, 3.vii.1983, Chandler leg. (PPCM). Cannock Chase, Staffordshire, 1 male, 21.x.1983, Chandler leg. (NMS). Carton, Kildare, 1 male, 29.iv.1987, J.P. O'Connor leg. (NMID). Castlemartin Corse, Pembrokeshire, 2 males, 22.vii.1987; 2 males, 14.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Catfield, Norfolk, 1 male, 12.x.–13.xii.1988, Foster & Procter leg. (PBLN). Cefn Bryn, Swansea/Abertawe, 1 male, 28.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Cefn Geirch, Denbighshire, 1 male, 15.x.1994, Chandler leg. (PPCM). Cefn Grwyd, Neath/Port Talbot, 4 males, 12.vii.1989; 1 male, 4.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 4 females, 28.vi.2002; 4 males, 3 females, 15.ix.2002; 1 male, 7 females, 3.x.2002; 2 males, 2 females, 8.x.2002; 3 males, 8 females, 16.x.2002; 2 males, 3 females, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). Chilbolton Common, Hampshire, 2 males, 6.vii.1991, Chandler leg. (NMS, PPCM). Chippenham Fen, Cambridgeshire, 1 male, 2.vii.1988, Chandler leg. (NMS). Clothall, Hertfordshire, 1 male, 4.v.1918, Edwards leg. (BMNH). Clovelly, Devon, 2 males, 8.v.1936, Edwards leg. (BMNH). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Colne, Lancashire, 3 males, 7 females, 28.v.1927, Britten leg. (BMNH). Consall Wood, Staffordshire, 1 male, 12.x.1997, Chandler leg. (PPCM). Convil Braes, Moray, 1 male, 11.viii.1937, Coe leg. (BMNH). Correin Lochan, Arran, North Ayrshire, 3 males, 29.v.1919, Edwards leg. (BMNH). Corriegills, Arran, North Ayrshire, 1 male, 2.vi.–4.vi.1919, Edwards leg. (BMNH). Cors Caron, Ceredigion, 1 male, 29.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Erddreiniog, Isle of Anglesey, 4 males, 6.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Fochno, Ceredigion, 1 male, 1.ix.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 2 males, 28.vii.1988; 1 male, 7.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors-y-Llyn, Powys, 1 male, 11.vii.1989; 2 males, 10.x.1989, Holmes, Boyce & Reed leg. (PPWM). Cothill, Oxfordshire, 1 male, 14.x.1999, Chandler leg. (NMS). Craig na Cailloch, Perth & Kin-

- ross, 1 male, 5.vi.–8.vi.1932, Edwards leg. (BMNH). Credenhill Park Wood, Herefordshire, 1 male, 11.x.1998, Chandler leg. (NMS). Croft Pascoe Pool, Cornwall, 1 male, 2.x.1983, Chandler leg. (PPCM). Crymlyn Bog, Swansea/Abertawe, 5 males, 5.x.1989, Holmes, Boyce & Reed leg. (PPWM). Culbin Forest, Highland Region, 1 male, 27.v.2002, Chandler leg. (PPCM). Culbin Sands, Highland Region, 3 males, 5.vii.–7.vii.1936, Coe leg. (BMNH). Cwm Bychan, Gwynedd, 2 males, 12.vii.1976, J.H. Cole & Chandler leg. (PJCB, PPCM). Cwm Dewi, Pembrokeshire, 1 male, 28.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Dartford, Kent, 1 male, 22.iv.1957, Parmenter leg. (BMNH). Dartmoor, Bush Down, Devon, 2 males, 28.v.1978, J.H. Cole leg. (PJCB). Dendles Wood, Devon, 1 male, 29.v.1978, J.H. Cole leg. (PJCB). Derrycunihy Cascade, Kerry, 1 male, 16.x.1973, Chandler leg. (PPCM). Derwent Valley, Tyne & Wear, 1 male, 26.vii.–13.viii.1990, Jessop leg. (PBLN). Devil's Glen, Wicklow, 1 male, 4.x.1980, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 18.ix.1993; 2 males, 23.iv.1994; 1 male, 17.x.1998, all Chandler leg. (NMS, PPCM). Ditchley, Oxfordshire, 2 males, v.1937, Edwards leg. (BMNH). Dromore Forest, Kerry, 1 male, 15.x.1973, Chandler leg. (PPCM). Dublin City, Dublin, 1 male, 13.v.1982, J.P. O'Connor leg. (NMID). Dyffryn Gwaun, Pembrokeshire, 1 male, 20.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Epping Forest, Essex, 1 male, 28.vi.2000; 1 male, 11.x.2000, all Chandler leg. (NMS). Fair Isle, Shetland, 2 males, 21.vii.–3.viii.1966, Moreby leg. (BMNH); 3 males, 31.viii.2000, Riddiford leg. (PBLN). Falls of Tarnash, Moray, 2 males, 9.vi.1936; 22 males, 9.vii.1936, all Coe leg. (BMNH). Fferam Paradwys, Isle of Anglesey, 1 male, 5.vii.1987, Chandler leg. (NMS). Fleet Pond, Hampshire, 1 male, 15.vii.1990, Chandler leg. (NMS). Gearagh, Cork, 3 females, 9.iii.1990; 3 males, 31.iii.1990; 17 males, 7.iv.1990; 7 males, 20.iv.1990; 7 males, 7.vi.1990; 3 males, 9.vi.1990; 2 males, 10.vi.1990, all de Courcy Williams leg. (DEI, NMID). Glen Coiltie, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Glendalough, Wicklow, 1 male, 16.x.1973, Chandler leg. (PPCM). Glen Einich, Highland Region, 1 male, 30.vi.1933, Coe leg. (BMNH). Glen Lough, Westmeath, 1 male, 28.vi.1987, Chandler leg. (PPCM). Glen of Drumloch, Moray, 1 male, 16.viii.1937, Coe leg. (BMNH). Godlingstone Heath, Dorset, 1 male, 1.vii.1998, Chandler leg. (PPCM). Gors Llwyn, Neath/Port Talbot, 1 male, 28.vi.1988; 2 males, 12.vii.1989, all Holmes, Boyce & Reed leg. (PPWM). Grassholm, Pembrokeshire, 2 males, 25.viii.1934, Edwards leg. (BMNH). Great Huntly Bank, New Forest, Hampshire, 1 male, 29.vi.1989, Chandler leg. (NMS). Greywell Fen, Hampshire, 1 male, 15.vii.1990; 1 male, 7.vii.1991, all Chandler leg. (PPCM). Gwaun Garthenor, Ceredigion, 1 male, 14.x.1986, Holmes, Boyce & Reed leg. (PPWM). Gwaun Ystrad Caron, Ceredigion, 1 male, 4.ix.1986; 1 male, 11.ix.1986; 1 male, 18.ix.1986, all Holmes, Boyce & Reed leg. (PPWM). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Hayle Kimbro Pool, Cornwall, 1 male, 4.x.1983, Chandler leg. (PPWM). Haytor, Devon, 8 males, 23.vi.2002, J.E. Smith leg. (HRI). Hengrove Park, Avon, 1 male, 23.iv.2003, Gibbs leg. (PDGB). Hickling, Norfolk, 12 males, 23.vi.–7.vii.1988; 1 male, vii.1988; 6 males, x.1988; 3 males, 1988; 8 males, 18.v.1989; 5 males, v.1989, all Foster & Procter leg. (PBLN). Hickling Broad, Norfolk, 2 males, 1 female, 17.ix.–19.ix.1932, Coe leg. (BMNH). Hinchingsbrooke Country Park, Cambridgeshire, 1 male, 30.iv.1989, J.H. Cole leg. (PJCB). Hosey Common, Kent, 1 male, 29.x.1968, Chandler leg. (PPCM). How Hill, Ludham, Norfolk, 1 male, 24.vi.1990, Withers leg. (PPWM). Illtyd Pools, Powys, 2 males, 11.x.1989, Holmes, Boyce & Reed leg. (PPWM). Ingleborough, North Yorkshire, 1 male, 13.v.1921, Edwards leg. (BMNH). Iping Common, West Sussex, 2 males, 12.x.1984, Godfrey leg. (PPCM). Ivybridge, Devon, 1 male, 11.x.1980, Chandler leg. (PPCM). Kenmare, Kerry, 1 male, 15.x.1973, Chandler leg. (PPCM). Kessingland, Suffolk, 1 male, 22.iv.–25.iv.1933, Edwards leg. (BMNH). Killaun Bog, Offaly, 5 males, ix.2000, Withers leg. (PPWM). Lakenheath, Suffolk, 2 males, 24.vi.–8.vii.1988, Foster & Procter leg. (PBLN). Leckford Estate, Hampshire, 1 male, 3.x.1970, Stubbs leg. (PPCM); 1 male, 30.iv.1977; 1 male, 12.iv.1981; 1 male, 27.vii.1985; 1 male, 1.ix.1999, all Chandler leg. (NMS, PPCM). Leebotwood, Shropshire, 2 females, 14.vii.2003, J.E. Smith leg. (HRI). Lenwade Pits, Norfolk, 1 male, 6.x.1980 (reared), Evans leg. (BMNH). Letchworth, Hertfordshire, 2 males, vii.1939, Edwards leg. (BMNH). Limerigg, Falkirk, 1 male, 18.vii.1990, Chandler leg. (PPCM). Linn of Dee, Aberdeenshire, 1 male, 31.x.1998, Chandler leg. (NMS). Llanbedr, Gwynedd, 1 male, 16.x.1992, Chandler leg. (PPCM). Llandwrog, Gwynedd, 6 males, 9.vii.1914 [in part labelled as '*albinervis* Winnertz'], Edwards leg. (BMNH, ZFMK). Llangloffan Fen, Pembrokeshire, 1 male, 29.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Llanon, Swansea/Abertawe, 2 males, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Llyn Hafodol, Isle of Anglesey, 1 male, 11.vii.1987, Chandler leg. (NMS). Llyn Llennyrch, Gwynedd, 2 males, 16.vii.1976, Chandler leg. (PPCM). Llyn Pencraig, Gwynedd, 1 male, 27.x.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Tyn y Llyn, Denbighshire, 1 male, 4.viii.1988; 5 males, 13.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Llyn Ystumllyn, Gwynedd, 1 male, 13.vii.1988; 1 male, 24.vii.1988; 1 male, 5.x.1988; 3 males, 8.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Loch Callater, Aberdeenshire, 1 male, 28.vi.–29.vi.1937; 1 male, 28.vii.–29.vii.1937; 4 males, 22.vii.1938, all Coe leg. (BMNH). Loch na

- Ba Ruaidhe, Highland Region, 1 male, 13.vi.1984, Chandler leg. (NMS). Loch Park, Moray, 4 males, 12.viii.–14.viii.1937, Coe leg. (BMNH). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 2 males, 24.vii.–13.viii.1990, Jessop leg. (PBLN). Lough Key, Roscommon, 1 male, 11.v.1970, Chandler leg. (PPCM). Lough Slevin, Westmeath, 1 male, 28.vi.1987, Chandler leg. (PPCM). Lower Brock Mill, Lancashire, 2 males, 14.vi.1999, Chandler leg. (PPCM). Lundy Island, Devon, 1 male, 20.vii.–27.vii.1972, Lane leg. (BMNH). Maen Porth, Cornwall, 1 male, 5.x.1983, Chandler leg. (NMS). Mid Yell, Shetland, 1 male, 29.v.1987; 1 male, 5.ix.1990, all Laurence leg. (PBLN). Mills Marsh, Norfolk, 1 male, 27.vi.–11.vii.1988; 7 males, 11.viii.1988, all Foster & Procter leg. (PBLN). Monument Field, Epping Forest, Essex, 5 males, 19.iv.–25.iv.1999, Dagley leg. (HRI). Nanjizal Cove, Cornwall, 1 male, 3.iv.1972, Chambers leg. (BMNH). Newbold Comyn Park, Leamington Spa, Warwickshire, 67 males, 15 females, 29.vii.2001, J.E. Smith leg. (HRI). Newborough Warren, Isle of Anglesey, 1 male, 9.vii.1987, Chandler leg. (NMS). Newbridge Fen, Kildare, 1 male, 12.iv.1982, J.P. & M.A. O'Connor leg. (NMID); 1 male, 27.vi.1984, Chandler leg. (NMS); 1 male, 16.vii.1990, Withers leg. (PPWM). New Malden, Greater London, 1 male, 8.v.1932, Coe leg. (BMNH). Nine Nicks of Thirlwall, Northumberland, 2 males, 1.viii.1923, Edwards leg. (BMNH). North Ronaldsay, Orkney, 1 male, 4.iv.1989; 1 male, 12.ix.1989, all Laurence leg. (PBLN). Nûg, Conwy, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Odiham Common, Hampshire, 1 male, 7.vii.1984, Chandler leg. (PPCM). Oswestry, Shropshire, 1 male, 10.v.1913, Colyer leg. (BMNH). Oxey Mead, Oxfordshire, 2 males, 15.x.1999, Chandler leg. (PPCM). Oxford, Oxfordshire, 1 male, 10.v.1924, Hamm leg. (BMNH). Peel, Isle of Man, 4 males, 1 female, 7.v.1988, Laurence leg. (PBLN). Pingle Wood, Warboys, Cambridgeshire, 2 males, 2.v.1990, J.H. Cole leg. (PJCB). Port Appin, Argyll & Bute, 1 male, 30.ix.1951, Pelham-Clinton leg. (NMS). Powerscourt, Wicklow, 1 male, 1.x.1909, Halbert leg. (NMID). Redgrave Lake, Suffolk, 1 male, 24.v.1987, Withers leg. (PPWM). Reedham, Norfolk, 1 male, 11.vii.–12.viii.1988; 1 male, 26.viii.–27.x.1988, all Foster & Procter leg. (PBLN). Rhinefields, New Forest, Hampshire, 1 male, 16.iv.1934, Colyer leg. (BMNH). Rhôs Llwrw Cwrt, Ceredigion, 1 male, 15.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôs Pwllgawnen, Carmarthen, 2 males, 11.vii.1989; 1 male, 12.viii.1989, all Holmes, Boyce & Reed leg. (PPWM). Rhôs-y-gad, Isle of Anglesey, 2 males, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Rhôsili Down, Swansea/Abertawe, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôs-goch, Powys, 1 male, 10.x.1989, Holmes, Boyce & Reed leg. (PPWM). Rosserk Abbey, Mayo, 2 males, 30.ix.1977, Chandler leg. (PPCM). Rothiemurchus, by River Druie, Highland Region, 1 male, 18.viii.1986, Chandler leg. (PPCM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 3.vii.2003, Ismay & Schulten leg. (UMO). Sandscale Haws, Cumbria, 2 males, 18.vi.1999, Chandler leg. (NMS). Scadbury Park, Greater London, 1 male, 18.vi.1983, Chandler leg. (NMS). Scargill, Durham, 2 males, 2.vi.2002, Chandler leg. (PPCM). Shapwick Heath, Somerset, 1 male, 7.ix.1930, Edwards leg. (BMNH); 1 male, 30.vi.1985, J.H. Cole leg. (PJCB). Sidmouth, Devon, 1 male, 19.iv.1925, Edwards leg. (BMNH). Slepe Heath, Dorset, 1 male, 1.vii.1998, Chandler leg. (NMS). Sned Wood, Lower Lye, Herefordshire, 2 females, 14.vii.2003, J.E. Smith leg. (HRI). Spartum Fen, Oxfordshire, 1 male, 15.x.1999, Chandler leg. (PPCM). St. Kilda, Western Isles, 1 male, 28.vii.1931, Lack leg. (BMNH); 1 male, 13.vii.–22.vii.1960, Giffard leg. (NMS); 1 male, 3.vi.–17.vi.1961, Russell leg. (NMS). Stoborough Heath, Dorset, 1 male, 1.vii.1998, Chandler leg. (NMS). Stradey Wood, Carmarthen, 1 male, 13.x.1995, McLean leg. (PPCM). Templehouse, Sligo, 1 male, 1.x.1977, Chandler leg. (PPCM). The Flits, Herefordshire, 1 male, 11.x.1998, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 26.iv.1987; 2 males, 4.v.1987; 5 males, 8.v.1987; 16 males, 9.v.1987; 2 males, 15.ix.–28.ix.1989; 1 male, 27.vii.1992, all Laurence leg. (PBLN). The Ritec, Pembrokeshire, 1 male, 8.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Thompson Common, Norfolk, 1 male, 11.vii.1993, Chandler leg. (PPCM). Tomintoul, Moray, 26 males, 6.viii.–11.viii.1937; 3 males, 8.viii.–11.viii.1937, all Coe leg. (BMNH). Torboll Wood, Highland Region, 1 male, 18.x.1995, Chandler leg. (PPCM). Trawsfynydd, Gwynedd, 1 male, 14.x.1988, Holmes, Boyce & Reed leg. (PPWM). Tresta, Shetland, 1 male, 10.vi.1993, Laurence leg. (PBLN). Trooper's Hill, Bristol, Avon, 1 male, 23.iv.2001, Gibbs leg. (PDGB). Tup Hag Wood, North Yorkshire, 1 male, 12.x.1990, Chandler leg. (NMS). Uragh Wood, Kerry, 3 males, 10.vii.1990, Withers leg. (PPWM). Vidlin, Shetland, 1 male, 18.vi.–21.vi.1993, Laurence leg. (PBLN). Virginia Water, Surrey, 1 male, 6.x.1974, Chandler leg. (NMS). Watford, Hertfordshire, 3 males, 21.x.1944, no collector detail (BMNH). Waun Isaf, Pembrokeshire, 2 males, 20.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Wellesbourne, Warwickshire, 10 males, 6.iv.–13.iv.2000; 1 male, 17.viii.–31.viii.2000; 10 males, 2 females, 28.iii.–26.iv.2001; 19 males, 10.v.–24.v.2001; 3 males, 13.ix.–4.x.2001, all J.E. Smith leg. (HRI). West End Common, Esher, Surrey, 1 male, 16.vii.2002, Chandler leg. (PPCM). West Harling Common, Norfolk, 2 males, 20.x.1990; 1 male, 23.iv.1991, all Withers leg. (PPWM). West Walk, Hampshire, 1 male, 6.vi.1998, Chandler leg. (NMS). Whitacre Heath, War-

wickshire, 2 males, 13.x.2001, Chandler & J.E. Smith leg. (HRI). Whitnash brook, Sydenham, Leamington Spa, Warwickshire, 5 males, 4.ix.2003, J.E. Smith leg. (HRI). Wicken Fen, Cambridgeshire, 2 males, 8.vii.1989, Chandler leg. (NMS). Willes Meadow, Leamington Spa, Warwickshire, 4 males, 5 females, 27.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Windsor Forest, Berkshire, 1 male, 27.vii.1991, Chandler leg. (PPCM). Windsor Great Park, Berkshire, 1 male, no date, Coe leg. (BMNH). Winnall Moor, Hampshire, 6 males, 7.vii.1990, Chandler leg. (NMS, PPCM); 2 males, 7.vii.1990, J.H. Cole leg. (PJCB). Wood Crates, New Forest, Hampshire, 2 males, 8.vii.1990, Chandler leg. (NMS, PPCM). Wyre Forest, Worcestershire, 1 male, 14.x.1984, Chandler leg. (NMS). Yell, Shetland, 2 males, 3.ix.–10.ix.1990, Laurence leg. (PBLN). No locality details, Wicklow, 1 male, 19.x.–22.x.1998, Laurence leg. (PBLN).

Ecological notes: very common in all types of woodland; wet and dry heathland; wetlands including water meadows, fens, mires and bogs; dry grassland; old hedges; old sand and gravel workings; on rocky island with seabird colonies; coastal sand dunes; salt-marsh; gardens; in thousands on rhubarb flowers; open montane habitats; near shore; in house. Reared from the fungus *Russula alutacea*. iii–xi.

Taxonomic note: All data under '*Sciara? nitidicollis*' listed by Edwards (1925a) related to *Lycoriella ingenua* [misidentification].

BRADYSIA NOCTURNA TUOMIKOSKI, 1960

Literature: Edwards (1938): 201 [in part as *Sciara (Neosciara) brunripes*, misidentification]; Chandler *et al.* (1996): 258 [in part as *Bradysia brunripes*, misidentification]; Chandler *et al.* (2002): 122.

Material examined: Alconbury, Cambridgeshire, 1 male, 3.v.1976, J.H. Cole leg. (PJCB). Annahala bog, Gearagh, Cork, 1 male, 22.v.1990, de Courcy Williams leg. (NMID). Austwick, North Yorkshire, 1 male, 18.x.1930, Cheetham leg. (BMNH). Aversley Wood, Cambridgeshire, 1 male, 24.iv.1988, J.H. Cole leg. (PJCB). Bagpiper's Tump, West Wood, Herefordshire, 1 male, 10.x.1998, Chandler leg. (PPCM). Baldock, Hertfordshire, 1 male, vii.1918, Edwards leg. (BMNH). Ballyteige, Wexford, 1 male, 3.vi.1987, J.P. O'Connor leg. (NMID). Beinn Eighe, Highland Region, 1 male, 10.vi.1984, Chandler leg. (PPCM). Black Cliff, Monmouthshire, 1 male, 9.vii.1986, Chandler leg. (PPCM). Brampton, Cambridgeshire, 1 male, 8.v.1977; 1 male, 13.v.1989, all J.H. Cole leg. (PJCB). Bransgore, Hampshire, 1 male, 10.viii.1933 (reared), Basden leg. (NMS). Brodie Castle, Moray, 1 male, 23.x.2000, Chandler leg. (PPCM). Burnham Beeches, Buckingham-

shire, 2 males, 2 females, 5.vi.–11.vi.1931 (reared); 2 males, 9.vi.1939, all Basden leg. (BMNH, NMS); 1 male, 9.x.1990, Chandler leg. (PPCM); 2 males, 30.viii.–15.ix.1995; 1 male, 5.viii.–31.viii.1996; 1 male, 9.x.–26.xi.1996; 7 males, 26.vi.–7.vii.1999, all Ismay leg. (HRI, PPCM). Cambridge, Cambridgeshire, 11 males, 3 females, 14.vi.–15.ix.1934, Basden leg. (NMS). Carie, Rannoch, Perth & Kinross, 1 male, 23.x.1990, Chandler leg. (PPCM). Carreg Cennen Castle, Carmarthen, 1 male, 14.x.1995, Chandler leg. (PPCM). Chatsworth Deer Park, Derbyshire, 1 male, 11.x.1991, Chandler leg. (PPCM). Coed Tremadog, Gwynedd, 1 male, 14.vii.1976, Chandler leg. (PPCM). Cogley Wood, Somerset, 1 male, 19.x.1986, Chandler leg. (PPCM). Coombe Abbey Country Park, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Cotterdale, North Yorkshire, 1 male, 22.ix.1956, J.H. Cole leg. (PJCB). Dancer's End, Buckinghamshire, 1 male, 8.iv.1984, Merrifield leg. (PPCM). Denton, Greater Manchester, 3 males, 7 females, 15.iv.1923 (reared), Newton leg. (BMNH). Derwent Ings, North Yorkshire, 1 male, 4.viii.1989, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 21.viii.1993; 1 male, 7.x.1998, all Chandler leg. (PPCM). Dubh Ghleann, Glen Quoich, Aberdeenshire, 2 males, 21.vii.2000, Godfrey leg. (PPCM). Farnham Royal, Buckinghamshire, 5 females, 13.v.–15.v.1931 (reared), Basden leg. (NMS). Foxhole, Highland Region, 1 male, 26.x.2000, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 22.v.1990, de Courcy Williams leg. (DEI). Glenariff, Antrim, 1 male, 12.xi.1986, Chandler leg. (PPCM). Goring-on-Thames, Oxfordshire, 1 male, 29.x.1962, J.H. Cole leg. (PJCB). Greenlands, Buckinghamshire, 23 males, 12 females, 13.v.–17.v.1933 (reared), Basden leg. (NMS). Hambleton Weir, Berkshire, 9 males, 1 female, 7.iv.–23.iv.1932 (reared), Basden leg. (NMS). Harpenden, Hertfordshire, 1 male, 7.v.1934; 1 male, 30.vii.1934; 1 male, 8.viii.1934, all C.B. Williams leg. (BMNH). Hemingford, Cambridgeshire, 1 male, ix.1938, Edwards leg. (BMNH). Invertromie Wood, Insh Marshes, Highland Region, 1 male, 30.v.2002, Chandler leg. (PPCM). Loch Assynt, Highland Region, 1 male, 24.vii.1911, Yerbury leg. (BMNH). Loch an Eilein, Highland Region, 1 male, 29.v.1973, Chandler leg. (PPCM). Loch Morlich, Highland Region, 1 male, 14.vii.1936, Coe leg. (BMNH). Mahon Falls, Waterford, 1 male, 3.vii.1988, J.P. O'Connor leg. (NMID). Marston, Oxfordshire, 1 male, 25.xii.1932; 24 males, 14 females, 25.xii.1932–19.v.1933 (all reared), all Basden leg. (BMNH, NMS). Martin Mere, Lancashire, 1 male, 30.iv.1996, Underwood leg. (PPCM). Medmenham, Buckinghamshire, 1 male, 15.vi.1931; 4 males, 1 female, 12.v.–19.v.1932 (all reared), all Basden leg. (BMNH, NMS). Old Buckenham Fen, Norfolk, 1 male, 9.v.1990, Chandler leg. (PPCM). Old Lodge Warren, East Sussex, 1 male,

9.x.1996, Chandler leg. (PPCM). Pass of Killiecrankie, Perth & Kinross, 1 male, 18.x.1971, Chandler leg. (PPCM). Penallt, Carmarthen, 1 male, 14.x.1995, Chandler leg. (PPCM). Peppercombe, Devon, 1 male, 14.vi.1984, J.H. Cole leg. (PJCB). Portholme Meadow, Brampton, Cambridgeshire, 3 males, 3.vi.1976, J.H. Cole leg. (PJCB). Radwell, Hertfordshire, 1 male, 22.v.1921, Edwards leg. (BMNH). Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 3.vii.2003, Ismay & Schulten leg. (UMO). Scotland Fen, Suffolk, 1 male, 10.xi.1996, Chandler leg. (PPCM). Selsdon, Greater London, 1 male, 26.iv.1930; 1 male 10.iv.1939, all Coe leg. (BMNH). Sheep Leas, West Horsley, Surrey, 1 male, 16.vi.1999, Chandler leg. (PPCM). Skenfrith, Monmouthshire, 1 male, 12.vi.1997, Chandler leg. (PPCM). Spartum Fen, Oxfordshire, 1 male, 1.vi.1991, Chandler leg. (PPCM). Stonybrow Wood, Rotherfield Park, Hampshire, 1 male, 23.x.2002, Chandler leg. (PPCM). Temple, Berkshire, 1 male, 22.iv.1932; 2 males, 5 females, 21.iv.–22.iv.1934; 2 females, 7.iv.–16.vi.1934, all Basden leg. (BMNH, NMS). Warren Row, Berkshire, 1 male, 19.ii.1932; 3 males, 1 female, 21.ii.–19.iii.1932 (all reared), all Basden leg. (BMNH, NMS). West Harling Common, Norfolk, 1 male, 28.x.1989, Withers leg. (PPWM).

Ecological notes: common in all types of woodland; calcareous grassland; wetlands including fen, bog, raised mire, lake and wildfowl reserve, water meadows with hedges and gravel pits; parkland; garden; sand dunes. Reared from nests of moles (several rearings), common shrew, red squirrel, rabbit and from old wasp's nest. ii–xi.

BRADYSIA NORMALIS FREY, 1948

Literature: Freeman (1983a): 168; Freeman (1983b): 35; Freeman (1987): 197; Laurence (1994): 118; Menzel (1998): 20; Chandler *et al.* (2002): 122 [in part as *Bradysia leptoptera*, misidentification and locality given in error as Lennymore Bog].

New to Irish list.

Material examined: Barvas, Lewis, Western Isles, 9 males, 2 females, 26.vi.1984, Laurence leg. (DEI, PBLN). Lennymore Bay, Antrim, Northern Ireland, 1 male, 22.iv.1976, Reid leg. (PPCM). Loch Morlich, Highland Region, 29 males, 14.vii.1936, Coe leg. (BMNH). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM). Walberswick, Suffolk, 1 male, 15.vi.–29.vi.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in ancient pine woodland; salt-marsh and reed beds; males swarming in shelter of dunes, in sand among marram in an exposed situation

facing the Atlantic Ocean; in debris on shore of lake. iii–iv, vi–vii.

BRADYSIA OCELLARIS (COMSTOCK, 1882)

Synonyms: *garretti* (Shaw, 1952); *johannseni* (Shaw, 1952); *laffooni* (Shaw, 1952); *prothalliorum* (de Meijere, 1946); *rubicundula* Frey, 1948; *tritici* (Coquillett, 1895).

Literature: Edwards & Williams (1916): 259 [as *Sciara tritici*]; Edwards (1925a): 539 [as *Sciara pectoralis*, misidentification]; Kloet & Hincks (1945): 350; Kloet & Hincks (1976): 31; Menzel (1998): 23 [all as *Bradysia radicum*, misidentification]; Freeman (1983b): 36 [as *Bradysia tritici*]; O'Connor & Ashe (1991): 29 [as *Bradysia tritici*]; Menzel (1998): 20; Menzel *et al.* (2003): 454.

Material examined: Edgbaston, Birmingham, West Midlands, 1 male, 13.ix.1922, Edwards leg. (BMNH). Glasshouse Crops Research Institute, Littlehampton, Sussex, 1 male, no date, Binns leg. (HRI). Kew Gardens, Greater London, 2 males, no date, Edwards leg. (BMNH). London, Greater London, 1 female, no date, Baker leg. (BMNH). Merton, Greater London, 3 males, x.1911, C.B. Williams leg. (BMNH). Milton Keynes, Buckinghamshire, 7 males, 2 females, ii.1986, no collector detail (BMNH). Rillington, North Yorkshire, 4 males, 4 females, 4.vi.1915 (reared), Staunton leg. (BMNH). Terenure, Dublin City, Dublin, 1 male, 25.x.1989, Ashe leg. (NMID). Wellesbourne, Warwickshire, 4 males, 1.iv.1999, J.E. Smith leg. (HRI).

Ecological notes: found in gardens; glasshouses, buildings, soil of pot plants. Reared from decaying roots of young orchids; primula seedlings. ii, iv, vi, ix–x.

BRADYSIA PALLIPES (FABRICIUS, 1787)

Synonyms: *agilis* (Winnertz, 1867); *brunnipes* (Meigen, 1804); *conica* (Grzegorzek, 1884); *dispar* (Winnertz, 1867); *engadinica* (Winnertz, 1867); *fallax* (Winnertz, 1867); *kowarzii* (Grzegorzek, 1884); *laeta* (Grzegorzek, 1884); *luctuosa* (Winnertz, 1867); *morbosea* (Winnertz, 1867); *picipes* (Zetterstedt, 1838); *rufipodex* (Frey, 1945); *rufipodex* var. *elysiaca* (Frey, 1945); *spretta* (Winnertz, 1867); *tristis* (Winnertz, 1867); *umbratica* (Zetterstedt, 1851).

Literature: ? Walker (1848): 105 [as *Sciara brunnipes* and *Sciara annulata*, misidentification]; ? Walker (1856): 52 [as *Sciara brunnipes*]; Edwards (1925a): 538 [in part as *Sciara brunnipes* and *Sciara annulata*, misidentification]; ? Edwards (1938): 201 [as *Sciara (Neosciara) umbratica*]; Chandler (1978): 209 [as *Bradysia umbratica*, misidentification]; Skidmore, Limbert & Eversham (1978): 76; Freeman (1983b): 34;

Skidmore (1991): 149; Laurence (1994): 118 [in part]; Laurence (1996): 87 [in part]; Laurence & James (1997): 166; Chandler *et al.* (1996): 258 [in part]; Menzel (1998): 20; White *et al.* (2000): 207 [all as *Bradysia brunripes*]; Heller (2004): 248 [*brunnipes* (Meigen) as synonym to *pallipes* (Fabricius)].

Material examined: Ardsclull Mote, Kildare, 1 male, 23.vi.1975, Chandler leg. (PPCM). Beddington, Greater London, 4 males, 14.iii.1935 (reared), Parmenter leg. (BMNH). Bone Mill Hollow, Cambridgeshire, 1 male, 29.vi.1996, Drake leg. (NMS). Cadair Idris, Gwynedd, 1 male, 13.xi.1993, Laurence leg. (PBLN). Cors Erddreiniog, Isle of Anglesey, 1 male, 20.x.1988, Holmes, Boyce & Reed leg. (PPWM). Dyffryn Gwaun, Pembrokeshire, 1 male, 12.x.1987, Holmes, Boyce & Reed leg. (PPWM). Eday, Orkney, 1 male, 1.vi.1988, Laurence leg. (PBLN). Epping Forest, Essex, 1 male, 29.iii.1999; 1 male, 20.ix.–10.x.1999, all Dagley leg. (HRI, PPCM). Felden, Hertfordshire, 1 male, 19.xi.1896, A. Piffard leg. (BMNH). Glen Gairn, Aberdeenshire, 1 male, 17.vii.1997, Chandler leg. (PPCM). Glendurgan, Cornwall, 1 male, 3.x.1983, Chandler leg. (PPWM). Glyn Ceiriog, Wrexham, 2 males, 26.vi.–7.vii.1995, Brock leg. (HRI). Goonvrea, Cornwall, 1 male, 2.vii.–3.vii.1983, Chandler leg. (PPCM). Goring-on-Thames, Oxfordshire, 1 male, 24.iv.1962; 1 male, 21.vi.1963, all J.H. Cole leg. (PJCB). Harlesden, Greater London, 5 males, 20.vi.1894, Austen leg. (BMNH). Hickling, Norfolk, 3 males, no date, Foster & Procter leg. (PBLN). Ingleborough, North Yorkshire, 2 males, 13.v.1921, Edwards leg. (BMNH). King's Walden, Hertfordshire, 1 male, 26.iv.1964, Colyer leg. (BMNH). Leckford Estate, Hampshire, 1 male, 4.x.1970, Stubbs leg. (PPCM). Letchworth, Hertfordshire, 1 male, viii.1917, Edwards leg. (BMNH). Llyn Ystumlyn, Gwynedd, 1 male, 19.x.1988, Holmes, Boyce & Reed leg. (PPWM). Lopham Fen, Norfolk, 1 male, 22.ii.1990, Withers leg. (PPWM). Meall nan Tarmachan, Perth & Kinross, 8 males, 8 females, 2.x.–20.x.2002 (reared), Bland leg. (NMS). Newlaw Moss, Dumfries & Galloway, 1 male, 20.viii.1979, Chandler leg. (NMS). Newmarket, Cambridgeshire, 1 male, 21.iii.1897, Verrall leg. (BMNH). Oxford University Parks, Oxford, Oxfordshire, 1 male, 1 female, 18.iv.1913; 1 male, 29.iv.1914, all Hamm leg. (BMNH). Pont Aber, Carmarthen, 1 male, 12.x.1995, Chandler leg. (PPCM). Rhôs-y-gad, Isle of Anglesey, 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Taplow, Buckinghamshire, 1 male, 1 female, 26.iv.1968, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 20.iv.1987; 3 males, 26.iv.1987; 1 male, 21.iv.1988, all Laurence leg. (PBLN). Thornham Magna, Suffolk, 1 male, 23.ii.1990, Withers leg. (PPWM). No locality details, Kent, 3 males, vi.1928, Theobald leg. (BMNH).

Ecological notes: common in broad-leaved and carr woodland; wetlands including fens, water meadows and sedge beds; grazed meadow; grassland; gardens; open montane habitats; mushroom beds. Reared from cow and sheep dung. ii–xi.

BRADYSIA PECTORALIS (STAEGER, 1840)

Synonym: *castanea* Mohrig & Menzel, 1990.

Literature: Freeman (1983b): 38; O'Connor & Ashe (1991): 29; Chandler *et al.* (1996): 259; Laurence (1994): 118 [all as *Bradysia fungicola*, misidentification]; Menzel (1998): 20; Chandler *et al.* (2002): 122.

Material examined: Aber Valley, Gwynedd, 1 male, 7.vii.1987, Chandler leg. (NMS). Archers Wood, Cambridgeshire, 1 male, 27.v.1990, J.H. Cole leg. (PJCB). Ashberry Pastures, North Yorkshire, 1 male, 14.x.1990, Chandler leg. (NMS). Ballynalacken Castle, Clare, 1 male, 19.v.1979, Chandler leg. (PPCM). Ban-y-Gor Wood, Gloucestershire, 1 male, 12.ix.2002, Gibbs leg. (PDGB). Bedford Purlieu, Cambridgeshire, 2 males, 14.v.1988, J.H. Cole leg. (PJCB). Beltra Lough, Sligo, 1 male, 13.vi.1985, Chandler leg. (PPCM). Birk Crag Wood, Harrogate, North Yorkshire, 1 male, 16.vii.1977, Chandler leg. (NMS). Bolt Wood, Stockerston, Leicestershire, 2 males, 24.viii.2003, Menzel leg. (DEI). Bolton Wood, North Yorkshire, 4 males, 14.ix.1931, Cheetham leg. (BMNH). Boundless Copse, Surrey, 1 male, 26.vii.2002; 1 male, 8.x.2002, all Chandler leg. (PPCM). Brancaster, Norfolk, 12 males, 2.ix.1988; 15 males, 2.ix.–16.ix.1988; 10 males, 28.x.1988, all Foster & Procter leg. (PBLN). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 1 male, 22.viii.2002, Menzel leg. (DEI). Brasenose, Oxfordshire, 1 male, 28.viii.1915, Hamm leg. (BMNH). Brigsteer Park, Cumbria, 1 male, 14.vi.1999, Howe leg. (NMS). Brithdir-Isaf, Gwynedd, 3 males, 25.ix.1971; 1 male, 25.x.1971, all Hutson leg. (BMNH). Bucklebury Common, Berkshire, 1 male, 30.viii.1983; 1 male, 5.iii.1997 (reared), all Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 13.v.1990, Chandler leg. (PPCM). California Country Park, Berkshire, 2 males, 19.v.1998, Chandler leg. (NMS). Carie, Rannoch, Perth & Kinross, 1 male, 29.v.1998, Chandler leg. (NMS). Castle Loch, Dumfries & Galloway, 1 male, 16.ix.1989, Chandler leg. (PPCM). Castlereau, Roscommon, 1 male, 28.ix.1977, Chandler leg. (PPCM). Chalford, Gloucestershire, 1 male, 12.x.1979, Chandler leg. (PPCM). Charleville Wood, Offaly, 1 male, 27.v.1984; 4 males, 15.vi.1985; 2 males, 19.ix.1999, all Chandler leg. (NMS, PPCM, PPWM). Chigwell Row Wood, Chigwell Row, Essex, 1 female, 8.x.2002; 1 female, 16.x.2002; 1 female, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). Chippenham Fen, Cambridgeshire, 1 male, 21.x.1990, Chandler leg.

- (NMS). Chobham Common, Surrey, 1 male, 8.ix.1974, Chandler leg. (PPCM). Cilast Isaf, Pembrokeshire, 1 male, 7.x.1973, Chandler leg. (PPCM). Cleeve Heronry, Avon, 1 male, 11.ix.2000, Gibbs leg. (PDGB). Coed Dolgarrog, Conwy, 1 male, 6.vii.1987, Chandler leg. (NMS). Coombe Abbey Country Park, Coventry, Warwickshire, 2 males, 28.viii.2003, Menzel leg. (DEI). Cop Mere, Staffordshire, 1 male, 23.v.1994, Chandler leg. (PPCM). Cosford Mill, Surrey, 1 male, 15.ix.1973, Chandler leg. (PPCM). Cothill, Oxfordshire, 1 male, 14.vi.1986; 1 male, 3.vi.1990, all Chandler leg. (NMS). Cotterdale, North Yorkshire, 1 male, 27.ix.1986, J.H. Cole leg. (PJCB). Craigmere Wood, Aberfoyle, Stirling, 1 male, 21.vi.1999, Chandler leg. (PPCM). Crickhowell, Powys, 1 female, ix.1936, Edwards leg. (BMNH). Culbin Forest, Highland Region, 1 male, 27.v.2002, Chandler leg. (PPCM). Dartmeet, Devon, 2 males, 27.v.1978, J.H. Cole leg. (PJCB). Dowlands Cliff, Devon, 1 male, 9.vi.1937, Edwards leg. (BMNH). Dromore Forest, Kerry, 1 male, 15.x.1973, Chandler leg. (PPCM). Ebbor Gorge, Somerset, 1 male, 16.x.1986, Chandler leg. (NMS). Epping Forest, Essex, 1 male, 3.v.–9.v.1999; 1 male, vi.1999, all Dagley leg. (HRI, PPCM); 1 male, 25.v.1999, Chandler leg. (PPCM). Ewden Valley, Sheffield, South Yorkshire, 1 female, 21.ix.1971, Chandler leg. (NMS). Forest of Dean, Gloucestershire, 1 male, 27.v.1962, K.G.V. Smith leg. (BMNH). Galway's Bridge, Killarney, Kerry, 1 male, 1 female, 9.ix.1981, J.P. & M.A. O'Connor leg. (NMID). Gatewen Marsh, Denbighshire, 1 male, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Gearagh, Cork, 1 male, 1 female, 26.ix.1990, de Courcy Williams leg. (DEI, NMID). Glanvilles Wootton, Dorset, 1 male, viii.1939, Edwards leg. (BMNH). Glen Coiltie, Highland Region, 1 male, 29.v.1994, Chandler leg. (PPCM). Glengarriff Forest, Cork, 1 male, 4.vii.1985, J.P. & M.A. O'Connor leg. (NMID). Glen of the Downs, Wicklow, 1 male, 27.vii.1981; 1 male, 3.x.1982, all J.P. O'Connor leg. (NMID). Goathland, North Yorkshire, 5 males, 5.ix.1937, Edwards leg. (BMNH). Gorge of Avon, South Lanarkshire, 1 female, 30.v.1909; 1 male, 18.viii.1909; 1 male, 24.x.1910, all King leg. (BMNH). Great Ellerside, Cumbria, 1 male, 15.vi.1999, Chandler leg. (PPCM). Great Elm, Avon, 2 males, 16.x.1986, Chandler leg. (PPCM). Great Offley, Hertfordshire, 1 male, 29.ix.1968, Chandler leg. (NMS). Greywell Fen, Hampshire, 1 male, 15.x.1989; 2 males, 11.viii.1999, all Chandler leg. (NMS, PPCM). Grindon Wood, Staffordshire, 1 male 13.x.1997, Chandler leg. (PPCM). Hafod Wood, Denbighshire, 1 male, 24.v.1994, Chandler leg. (PPCM). Haugh Wood, Herefordshire, 1 male, 12.x.1998, Chandler leg. (PPCM). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Hembury Wood, Devon, 1 male, 29.v.1978, J.H. Cole leg. (PJCB). Hickling, Norfolk, 1 male, v.1989, Foster & Procter leg. (PBLN). How Hill, Norfolk, 1 male, 13.viii.1989, Withers leg. (PPWM). Knebworth, Hertfordshire, 1 male, vi.1922, Edwards leg. (BMNH). Lady's Island Lake, Wexford, 1 male, 25.v.1987, J.P. O'Connor leg. (NMID). Lady's Wood, Cambridgeshire, 1 male, 3.vi.1989, J.H. Cole leg. (PJCB). Lancut Nature Reserve, Gloucestershire, 1 male, 5.ix.2002, Gibbs leg. (PDGB). Lea Meadows, Newtown Linford, Leicestershire, 2 males, 1 female, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Leckford Estate, Hampshire, 1 male, 5.x.1995; 1 female, 23.ix.1997; 1 male, 12.x.1997; 2 males, 25.vii.1998, all Chandler leg. (NMS, PPCM). Linton, Devon, 1 male, 16.vi.1989, Chandler leg. (NMS). Loch Achilty, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Logie, Moray, 1 male, 1 female, 8.ix.1910, Jenkinson leg. (BMNH). Lough Slevin, Westmeath, 2 males, 28.vi.1987, Chandler leg. (NMS). Low Pasture, Hawnby, North Yorkshire, 1 male, 12.x.1990, Chandler leg. (NMS). Maen Porth, Cornwall, 1 male, 5.x.1983, Chandler leg. (PPCM). Matley Bog, New Forest, Hampshire, 1 male, viii.1936, Edwards leg. (BMNH). Mulgrave Wood, North Yorkshire, 6 males, 23.viii.–3.ix.1937, Edwards leg. (BMNH). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998; 1 male, 8.ix.–19.ix.2000, all Withers leg. (PPWM). Oaklands, Wexford, 1 male, 29.v.1987, J.P. O'Connor leg. (NMID). Oakshott, Hampshire, 1 male, 14.vi.1979, Chandler leg. (PPCM). Olchon Valley, Herefordshire, 1 male, 21.v.1977, Chandler leg. (PPCM). Richmond Park, Greater London, 1 male, 6.vi.1992, Chandler leg. (NMS). Roudsea Wood, Cumbria, 1 male, 16.vi.1999, Chandler leg. (PPCM). Roydon Common, Norfolk, 1 male, 5.vi.1993, Chandler leg. (PPCM). Santon Downham, Suffolk, 1 male, viii.1935, Edwards leg. (BMNH). Sladen, Hampshire, 1 male, vi.1939, Edwards leg. (BMNH). Sherwood Forest, Nottinghamshire, 1 male, 22.x.–24.x.1922, Edwards leg. (BMNH). Spartum Fen, Oxfordshire, 1 male, 1.vi.1991, Chandler leg. (PPCM). Stradey Wood, Carmarthen, 1 male, 13.x.1995, McLean leg. (PPCM). Strawberry Beds, River Liffey, Dublin, 1 male, 26.ix.1999, Chandler leg. (NMS). Templehouse Demesne, Sligo, 1 male, 1.x.1977, Chandler leg. (PPCM). Thompson Common, Norfolk, 1 male, 1.vi.1985, Chandler leg. (NMS). Tickenham Hill, Avon, 1 male, 30.v.2001, Gibbs leg. (PDGB). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 4 males, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Tomies Wood, Killarney, Kerry, 1 female, 25.ix.1981, J.P. O'Connor leg. (NMID). West Walk, Hampshire, 2 males, 6.vi.1998, Chandler leg. (NMS). Whale Moss, Shropshire, 1 male, 29.viii.1931, C.H.W. Pugh leg. (BMNH). Whiddon Deer Park, Devon, 1 male, 2.vi.2000, Chandler leg. (PPCM). Wicken Fen, Cambridgeshire, 1 male, 21.v.1990; 1 male, 14.v.1992,

all J.H. Cole leg. (PJCB). Windsor Forest, Berkshire, 1 male, 8.vi.1979; 6 males, 6.ix.1986; 2 males, 13.vi.1987; 2 males, 8.viii.1987; 2 males, 27.v.1989; 1 male, 15.vi.1991; 1 male, 15.v.1994, all Chandler leg. (NMS, PPCM, PPWM). Witcombe Wood, Gloucestershire, 1 male, 2 females, 12.x.1979, Chandler leg. (NMS). Witherslack, Cumbria, 2 males, 15.vi.1999, Chandler leg. (NMS). Woodwalton Fen, Cambridgeshire, 4 males, 24.v.1940, Edwards leg. (BMNH); 1 male, 4.vi.1977, J.H. Cole leg. (PJCB). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: very common in broad-leaved and mixed woodland; conifer plantations; wooded river and lake sides; common in carr woodland; heathland; wetlands including fen, bog, wet meadows, grassland with pingo pools, sedge beds *Typha latifolia* and marsh; former gravel workings; calcareous grassland; ancient parkland; dunes. Reared from the fungus *Laetiporus sulphureus*. v–x.

BRADYSIA PERAFFINIS TUOMIKOSKI, 1960

New to British and Irish list.

Material examined: Birks of Aberfeldy, Perth & Kinross, 1 male, 23.vi.1999, Chandler leg. (PPCM). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PPCM). Coombe Dingle, Avon, 1 male, 18.vii.1987, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 2.iv.1990; 2 males, 26.iv.1990, all de Courcy Williams leg. (DEI, NMID). Peppercombe, Devon, 1 male, 13.vii.2001, Chandler leg. (PPCM).

Ecological notes: found in damp and acid broad-leaved woodland; by stream in cliff gully. iv, vi–vii, ix.

BRADYSIA PLACIDA (WINNERTZ, 1867)

Synonym: *fimbricauda* Tuomikoski, 1960.

Literature: Freeman (1983a): 169; Freeman (1983b): 37; O'Connor & Ashe (1991): 29; Laurence (1994): 118; Chandler *et al.* (1996): 259; Laurence (1996): 86; Laurence (1997a): 85; Laurence (1997b): 228; Laurence & James (1997): 166 [all as *Bradysia fimbricauda*]; Menzel (1998): 20; Chandler (2001): 201.

Material examined: Allerthorpe, East Riding of Yorkshire, 1 male, 18.ix.1923, Edwards leg. (BMNH). Ampfield, Hampshire, 1 male, 20.xi.1932, Edwards leg. (BMNH). Annahala bog, Gearagh, Cork, 1 male, 6.iv.1990; 1 male, 23.vi.1990, all de Courcy Williams leg. (DEI, NMID). Ashridge Estate, Hertfordshire, 1 male, 8.vii.1999, Chandler leg. (NMS). Austwick, North Yorkshire, 2 males, 26.v.–27.v.1934, Edwards leg. (BMNH). Baldock, Hertfordshire, 1 male,

10.v.1934, Edwards leg. (BMNH). Ballynafid Lake, Westmeath, 1 male, 10.v.1989, Withers leg. (PPWM). Bayford, Hertfordshire, 1 male, 15.x.1931, Edwards leg. (BMNH). Beaford Bridge, Devon, 1 male, 14.vi.1989, Chandler leg. (NMS). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Blean Wood, Kent, 1 male, 19.v.1973, Parmenter leg. (BMNH). Bleathwaite Coppice, Cumbria, 1 male, 8.x.2001, Gibbs leg. (PDGB). Bradfield Wood, Suffolk, 1 male, 9.iv.–16.iv.1990; 1 male, 16.viii.–22.viii.1991, all Laurence leg. (PBLN). Brendon, Devon, 2 males, viii.1935, Edwards leg. (BMNH). Bridgeham, Thetford Chase, Norfolk, 1 male, 26.iv.1969, Cogan leg. (BMNH). Brockenhurst, New Forest, Hampshire, 1 male, 23.v.1969, Hutson leg. (BMNH). Brockenhurst Wood, New Forest, Hampshire, 1 male, 8.vii.1990, Chandler leg. (PPCM). Brook Wood, Bromley, Greater London, 2 males, 3 females, 21.iv.1966, Chandler leg. (PPCM). Buckingham Palace Garden, Greater London, 1 male, 19.ii.–27.iii.1997, D.J. Carter & C.W. Plant leg. (NMS). Burnham Beeches, Buckinghamshire, 1 male, 5.vii.–20.vii.1995, Ismay leg. (PPCM); 1 male, 20.iv.1998; 1 male, 4.x.1999, all Chandler leg. (NMS, PPCM). Byfleet, Surrey, 2 males, 14.v.1932, Coe leg. (BMNH). Cadair Idris, Gwynedd, 1 male, 19.vi.1993; 1 male, 22.x.1993; 1 male, 13.xi.1993, all Laurence leg. (PBLN). California Country Park, Berkshire, 1 male, 6.vii.1997, Chandler leg. (PPCM). Canonteign Falls, Devon, 1 female, 22.vi.2002, J.E. Smith leg. (HRI). Castle Neroche, Somerset, 1 male, 12.v.1936, Edwards leg. (BMNH). Cefn Grwhyd, Neath/Port Talbot, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Charterhouse Alder Holt, Surrey, 1 male, 16.vii.1989, Chandler leg. (PPCM). Chatelherault, South Lanarkshire, 1 male, 27.v.1994, Chandler leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 2 males, 28.vi.2002; 1 male, 16.x.2002, all Ismay & Schulten leg. (DEI, UMO). Clowes Wood, Warwickshire, 2 males, 19.iv.1987, Withers leg. (PPWM). Coed Crafnant, Gwynedd, 1 male, 16.x.1992, Chandler leg. (NMS). Coed Dolbebin, Gwynedd, 1 male, 16.x.1992, Chandler leg. (NMS). Coombe Abbey Country Park, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Craig na Cailloch, Perth & Kinross, 1 male, 5.vi.–18.vi.1932, Edwards leg. (BMNH). Crowgutter Wood, Staffordshire, 1 male, 12.x.1997, Chandler leg. (PPCM). Cuckoo Wood, Downe, Greater London, 1 male, 20.vii.1985, Chandler leg. (PPCM). Cwm Bychan, Gwynedd, 1 male, 16.x.1982, Chandler leg. (PPCM). Dickleburgh, Norfolk, 2 males, 7.i.–15.i.1989; 1 male, 29.i.–12.ii.1989, all Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 21.v.1995; 1 male, 17.x.1998, all Chandler leg. (PPCM). Duthlas, Powys, 1 male, 17.x.1987, McLean leg. (PPCM). Epping Forest, Essex, 2 males, 19.iv.1999, Dagley leg. (NMS). Fritham, New

- Forest, Hampshire, 2 males, 17.iv.1954, Colyer leg. (BMNH). Gearagh, Cork, 1 male, 2.iv.1990, de Courcy Williams leg. (NMID). Gibridings Wood, Staffordshire, 1 male, 14.x.1997, Chandler leg. (PPCM). Glen Affric, Highland Region, 1 male, 25.vi.1999, Chandler leg. (PPCM). Glendalough, Wicklow, 1 male, 24.iv.1989, J.P. & M.A. O'Connor leg. (NMID). Glengarriff, Cork, 1 male, 6.vii.1985, J.P. & M.A. O'Connor leg. (NMID). Glen Lochay, Stirling, 1 male, 5.vi.–18.vi.1932, Edwards leg. (BMNH). Greywell Fen, Hampshire, 1 male, 2.viii.1998, Chandler leg. (PPCM). Grindon Wood, Staffordshire, 1 male, 13.x.1997, Chandler leg. (PPCM). Hafod Garregog, Gwynedd, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Haytor, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Hencliff Wood, Avon, 1 male, 14.ii.2001, Gibbs leg. (PDGB). Hickling, Norfolk, 1 male, 1.vi.1988; 5 males, x.1988, all Foster & Procter leg. (PBLN). Holker Moss, Cumbria, 2 males, 20.v.1938, Edwards leg. (BMNH). Humphrey Head, Cumbria, 1 male, 1.viii.–8.viii.1923, Edwards leg. (BMNH). Inholm's Copse, West Sussex, 1 male, 20.vii.1974, Chandler leg. (NMS). Ipley Manor, New Forest, Hampshire, 1 male, 17.vii.1990, Chandler leg. (PPCM). Killaun Bog, Offaly, 2 males, ix.2000, Withers leg. (PPWM). Knebworth, Hertfordshire, 2 males, 10.x.1917, Edwards leg. (BMNH). Knole Park, Kent, 1 male, 12.xi.1967, Chandler leg. (NMS). Leckford Estate, Hampshire, 2 males, 12.iv.1981; 2 males, 27.vii.1985; 1 male, 15.iii.1992, all Chandler leg. (NMS, PPCM). Letchworth, Hertfordshire, 2 males, vii.1915; 1 male, xi.1917, all Edwards leg. (BMNH). Lion Wood, Redditch, Worcestershire, 2 males, 10.iv.2003, J.E. Smith leg. (HRI). Loch Morlich, Highland Region, 1 male, 4.vii.1936, Coe leg. (BMNH). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 7.vi.–23.vi.1990; 1 male, 24.vii.–13.viii.1990, all Jessop leg. (PBLN). Lopham Fen, Norfolk, 1 male, 2.vii.1989, Withers leg. (PPWM). Lum Pool, Staffordshire, 1 male, 1.ix.1997, Chandler leg. (PPCM). Lundy Island, Devon, 6 males, 20.vii.–27.vii.1972, Lane leg. (BMNH). Mark Ash Wood, New Forest, Hampshire, 5 males, 4.vi.1989; 1 male, 29.vi.1989, all Chandler leg. (NMS, PPCM). Market Weston Fen, Suffolk, 1 male, 18.iii.1990; 1 male, 12.v.1991, all Withers leg. (PPWM). Minsmere, Suffolk, 1 male, 18.x.1996, McLean leg. (PPCM). Moccas Park, Herefordshire, 1 male, 11.x.1998, Chandler leg. (NMS). Monk's Wood, Cambridgeshire, 1 male, 25.ix.1922, Edwards leg. (BMNH). Mulgrave Wood, North Yorkshire, 1 male, 23.viii.–3.ix.1937, Edwards leg. (BMNH). Murrrough, Wicklow, 2 males, v.1989, Blackith leg. (PPWM). Newbold Comyn Park, Leamington Spa, Warwickshire, 1 male, 15.vii.2001, J.E. Smith leg. (HRI). North Ronaldsay, Orkney, 1 male, 7.ix.1989, Laurence leg. (PBLN). Oakley Wood, Bishops Tachbrook, Warwickshire, 1 male, 14.x.2001, Chandler leg. (HRI). Paramoor Wood, Cornwall, 2 males, 7.vii.1983, Chandler leg. (PPCM). Pashford, Norfolk, 1 male, 24.vi.–8.vii.1988, Foster & Procter leg. (PBLN). Pentewan, Cornwall, 2 males, 7.vii.1983, Chandler leg. (NMS). Pine Wood, Berkshire, 1 male, 10.ix.2001, Gibbs leg. (PDGB). Pond Wood, Chislehurst, Greater London, 6 males, 20.iii.1966 (reared), Chandler leg. (PPCM). Powler's Piece, Devon, 1 male, 13.x.1988, Chandler leg. (PPCM). Pulham St. Mary, Norfolk, 1 male, 2.v.1988, Withers leg. (PPWM). Radwell, Hertfordshire, 2 males, 21.x.1917, Edwards leg. (BMNH). Rahan, Cork, 1 male, 6.vii.1989, J.P. O'Connor leg. (NMID). Rhinefields, New Forest, Hampshire, 3 males, 16.v.1956, Colyer leg. (BMNH). Ringstead, Dorset, 1 male, viii.1939, Edwards leg. (BMNH). Riversmead, Devon, 1 male, 13.x.1988, M.N. Pugh leg. (NMS). Rosevear, Cornwall, 1 male, 6.vii.1983, Chandler leg. (PPCM). Rough Hill Wood, Studley, Warwickshire, 1 male, 10.iv.2003, J.E. Smith leg. (HRI). Ryton Wood, Bubbenhall, Coventry, West Midlands, 3 males, 12.x.2001, Chandler & J.E. Smith leg. (HRI). Sand-scale Haws, Cumbria, 1 male, 18.vi.1999, Chandler leg. (NMS). Savernake Forest, Wiltshire, 2 males, 13.xi.1978, Chandler leg. (PPCM). Scadbury Park, Greater London, 1 male, 3.xi.1984; 2 males, 21.vii.1985, all Chandler leg. (NMS). Seer Green, Buckinghamshire, 1 male, 10.xii.1932; 7 males, 13.xii.–21.xii.1932 (all reared), all Basden leg. (BMNH, NMS). Shapwick Heath, Somerset, 1 male, 5.vii.1985, Chandler leg. (NMS). Shefford, Bedfordshire, 14 males, x.1917 [in part labelled as 'sp. no. 4']; 7 males, 17.xi.1917, all Edwards leg. (BMNH, ZFMK). Shotover Country Park, Oxfordshire, 1 male, 17.x.1999, Chandler leg. (PPCM). Slade of Saggart, Dublin, 1 male, 1.xi.1981, J.P. O'Connor leg. (NMID). Spey Bay, Moray, 1 male, 2.vii.1936, Coe leg. (BMNH). Spinningdale, Highland Region, 2 males, 14.v.1994, Entwistle leg. (NMS). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM). Sutton Park, Birmingham, West Midlands, 8 males, 7.iv.2003, J.E. Smith leg. (HRI). Thelnetham Fen, Suffolk, 1 male, 20.vi.1989, Withers leg. (PPWM). Thornham Magna, Suffolk, 1 male, 25.iv.1991, Withers leg. (PPWM). Thursley Common, Surrey, 1 male, 20.v.1966, Chandler leg. (PPCM). Tomies Wood, Killarney, Kerry, 1 male, 15.ix.1981, J.P. O'Connor leg. (NMID). Tomintoul, Moray, 16 males, 8.viii.–11.viii.1937, Coe leg. (BMNH). Torc Falls, Killarney, Kerry, 1 male, 11.vii.1990, Withers leg. (PPWM). University Museum, Oxford, Oxfordshire, 1 male, 28.i.1921, Hamm leg. (UMO). Uragh Wood, Kerry, 1 male, 8.vii.1990, Withers leg. (PPWM). Walberswick, Suffolk, 2 males, 1.vi.–15.vi.1988, Foster & Procter leg.

(PBLN). Waterperry Wood, Oxfordshire, 1 male, 5.v.1940, Edwards leg. (BMNH). Welcombe Valley, Devon, 1 male, 15.x.1988, Chandler leg. (PPWM). Wellesbourne, Warwickshire, 1 male, 5.viii.–17.viii.2000, J.E. Smith leg. (HRI). West Harling Common, Norfolk, 1 male, 25.v.1987; 1 male, 1.iv.1989, all Withers leg. (PPWM). Weston, Hertfordshire, 2 males, 4.x.1931, Edwards leg. (BMNH). West Town, Avon, 1 male, 22.iii.1953, d'Assis-Fonseca leg. (NMS). Wheatfen Broad, Norfolk, 1 male, 8.x.1988, Withers leg. (PPWM). Whichford Wood, Moreton-in-Marsh, Warwickshire, 7 females, 11.x.2001, J.E. Smith leg. (HRI). Whitacre Heath, Warwickshire, 1 female, 13.x.2001, J.E. Smith leg. (HRI). Windsor Forest, Berkshire, 1 male, 10.vi.1939, Edwards leg. (BMNH); 4 males, 1.v.1966; 1 male, 3.xi.1990, all Chandler leg. (NMS, PPCM). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH). Yarner Wood, Devon, 1 male, 28.v.1978, Chandler leg. (NMS).

Ecological notes: very common in all types of woodland and carr; heathland; moorland; wetlands including fens, mires, bogs and water meadows; grassland; scrub; old hedges; old sand and gravel workings; marginal vegetation by upland lake; calcareous valley; parkland; gardens; saltmarsh and reed beds; coastal sand dunes; open montane habitats. On ivy. Reared from squirrel's nest and rotten wood. I–x.

BRADYSIA POLONICA (LENGERSDORF, 1928)

Synonyms: *edwardsi* Freeman, 1983; *spinidensa* Hondru, 1968.

Literature: Freeman (1983a): 166; Freeman (1983b): 35; Laurence (1997b): 228 [all as *Bradysia edwardsi*]; Menzel (1998): 20; Menzel & Mohrig (2000): 132; Withers (2002): 114.

Material examined: Badger Wood, Cambridgeshire, 1 male, 1.iv.–3.iv.1998, C.W. Plant leg. (NMS). Bagley Wood, Oxfordshire, 3 males, 20.v.–21.v.1933, Edwards leg. [holotype and paratypes of *Bradysia edwardsi*] (BMNH); 1 male, 18.v.1936, Edwards leg. (BMNH). Bedford Purlieus, Cambridgeshire, 1 male, 19.v.1988, J.H. Cole leg. (PJCB). Brampton, Ouse flood meadow, Cambridgeshire, 1 male, 23.v.1976, J.H. Cole leg. (PJCB). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 35 males, 8 females, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Cothill, Oxfordshire, 1 male, 26.v.1936, Edwards leg. [paratype of *Bradysia edwardsi*] (BMNH). Dinton Pastures Country Park, Berkshire, 1 male, 24.viii.1995; 1 male, 9.vi.1996, all Chandler leg. (PPCM). Clonpriest, Cork, 1 male, 13.vii.1994, Withers leg. (PPWM). Gearagh, Cork, 1 male, 2.iv.1990, de Courcy Williams leg. (NMID). Coombe Abbey Country Park, Coventry, Warwick-

shire, 2 males, 2 females, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Grafham Water, Savage's Creek, Cambridgeshire, 1 male, 30.v.1988, J.H. Cole leg. (PJCB). Greywell Fen, Hampshire, 3 males, 29.viii.2002, Chandler leg. (HRI). Hartslock, Oxfordshire, 1 male, 10.vii.1999, Chandler leg. (NMS); 1 male, 14.v.2000, Raper leg. (PDGB). Hemingford, Cambridgeshire, 3 males, ix.1938, Edwards leg. [paratypes of *Bradysia edwardsi*] (BMNH). Highgate Wood, Greater London, 1 male, 1998–99, Hackett leg. (NMS). Lackham Park, Wiltshire, 1 male, 5.viii.2002; 3 males, 20.ix.2002, all Chandler leg. (PPCM). Leckford Estate, Hampshire, 1 male, 11.x.1999, Chandler leg. (PPCM). Letchworth, Hertfordshire, 1 male, 1 female, vi.1917; 1 male, ix.1917, all Edwards leg. [paratypes (males) of *Bradysia edwardsi*] (BMNH). Lopham Fen, Norfolk, 1 male, 16.iv.1984, Withers leg. (PPWM). Monkfield Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. (PPCM). Mulgrave Wood, North Yorkshire, 2 males, 23.viii.–3.ix.1937, Edwards leg. [paratypes of *Bradysia edwardsi*] (BMNH). Narborough Bog, Whetstone, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Newbridge Fen, Kildare, 1 male, no date, Withers leg. (PPWM). Newtown Lough, Galway, 1 male, 3.v.1999, Withers leg. (PPWM). North Ronaldsay, Orkney, 1 male, 8.ix.1989, Laurence leg. (PBLN). Odstock, Wiltshire, 1 male, 1 female, 13.viii.1972, Cranston & Dear leg. (BMNH). Pingle Cutting, Warboys, Cambridgeshire, 1 male, 26.v.1985, J.H. Cole leg. (PJCB). Pingle Wood, Warboys, Cambridgeshire, 1 male, 2.v.1990, J.H. Cole leg. (PJCB). Ringstead, Dorset, 1 male, viii.1939, Edwards leg. (BMNH). Rotherfield Park, Hampshire, 2 males, 2.x.2002, Chandler leg. (PPCM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Salisbury Plain Training Area, Warminster, Wiltshire, 4 males, 29.v.2003; 1 male, 30.v.2003, all Ismay & Schulten leg. (DEI, UMO). Searles Farm, Reading, Berkshire, 1 male, 9.vii.2003, Chandler leg. (PPCM). Selsdon, Greater London, 1 male, 27.v.1934, Coe leg. (BMNH). St. Bride's Major, Vale of Glamorgan, 1 male, 27.v.1968, Chandler leg. (PPCM). Theale, Berkshire, 1 male, 6.viii.2003, Chandler leg. (PPCM). Thornham Magna, Suffolk, 2 males, 20.v.1989, Withers leg. (PPWM). Trawsfynydd, Gwynedd, 1 male, 5.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Ufton Fields, Warwickshire, 1 male, 9.vi.1991, Chandler leg. (PPCM). Warrington, Cheshire, 1 male, 10.v.1934 (reared), Holmes-Smith leg. [paratype of *Bradysia edwardsi*] (BMNH). Welwyn, Hertfordshire, 1 male, vii.1934; 7 males, 21.vii.–24.vii.1934, all Edwards leg. [paratypes of *Bradysia edwardsi*] (BMNH). Willes Meadow, Leamington Spa, Warwickshire, 2 males, 27.viii.2002, J.E. Smith leg. (HRI). Whitnash brook, Sydenham, Leamington Spa, Warwickshire, 2 males, 1 female, 4.ix.2003, J.E. Smith

leg. (HRI). Wytham Woods, Wytham, Oxfordshire, 49 males, 27 females, 21.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI).

Ecological notes: very common in broad-leaved and carr woodland; common in wetlands including fens, sedge beds, water meadows, stream sides and turloughs; unimproved calcareous grassland; scrub; near shore; saltmarsh. iv–x.

BRADYSIA POSTRUFESCENS MOHRIG & MENZEL, 1990
New to British list.

Material examined: The Loke, Norwich, Norfolk, 1 male, 26.iv.1987; 1 male, 8.v.1987; 2 males, 9.v.1987; 1 male, 10.viii.1987; 2 males, 15.viii.1987; 2 males, 16.viii.1988, all Laurence leg. (DEI, PBLN). West Harling by River Thet, Norfolk, 1 male, 5.v.1986, Withers leg. (PPWM).

Ecological notes: found in water meadow by river; garden. iv–v, viii.

BRADYSIA PRAECOX (MEIGEN, 1818)

Synonyms: *albinervis* (Winnertz, 1867); *brevipalpis* (Winnertz, 1868); *leclerqi* (Lengersdorf, 1950); *macilentata* (Winnertz, 1867); *morosa* (Winnertz, 1867); *nocticolor* (Winnertz, 1867); *simplex* (Winnertz, 1867); *simplex* var. *subsimplis* (Lengersdorf, 1926); *unicolor* (Winnertz, 1868).

Literature: ? Walker (1848): 107; ? Walker (1856): 53 [all as *Sciara*]; Freeman (1983b): 38; Menzel (1998): 20.

Material examined: Austwick, North Yorkshire, 2 males, 1 female, 26.v.–27.v.1934, Edwards leg. (BMNH). Aversley Wood, Cambridgeshire, 1 male, 24.iv.1988, J.H. Cole leg. (PJCB). Baldock, Hertfordshire, 1 male, v.1918; 1 male, 1 female, 10.v.1934, all Edwards leg. (BMNH). Bank, New Forest, Hampshire, 1 male, vi.1939 (reared), Collin leg. (BMNH). Brampton, Cambridgeshire, 1 male, 30.iv.1977; 1 male, 1.vii.1987, all J.H. Cole leg. (PJCB). Carrigower, Wicklow, 1 male, 26.v.1984, Chandler leg. (PPCM). Chilbolton Common, Hampshire, 2 males, 6.vii.1991, Chandler leg. (PPCM). Chippenham Fen, Cambridgeshire, 1 male, 2.vii.1988, Chandler leg. (NMS). Cothill, Oxfordshire, 1 male, 10 females, 5.v.1934, Edwards leg. (BMNH). Greywell Fen, Hampshire, 5 males, 3 females, 29.viii.2002, Chandler leg. (HRI, PPCM). Insh Marshes, Highland Region, 1 male, 28.v.2002, Uffen leg. (PPCM). Leckford Estate, Hampshire, 1 female, 8.v.1976; 3 males, 2 females, 18.ix.–19.ix.1976; 1 male, 21.ix.1977; 1 male, 23.ix.1977; 3 males, 2 females, 12.iv.1981; 1 male, 6.vii.1991; 1

male, 1.ix.1999, all Chandler leg. (NMS, PPCM). Letchworth, Hertfordshire, 2 males, vi.1937, Edwards leg. (BMNH). Lough Slevin, Westmeath, 1 male, 28.vi.1987, Chandler leg. (NMS). Nethy Bridge, Highland Region, 1 male, 27.viii.1906, King leg. (BMNH). Old Bridge of Dee, Aberdeenshire, 1 male, 3.viii.1979, Chandler leg. (PPCM). Scargill, Durham, 1 male, 27.vii.1988, Chandler leg. (NMS). Tomintoul, Moray, 17 males, 13 females, 8.viii.–11.viii.1937, Coe leg. (BMNH). Trawsfynydd, Gwynedd, 1 male, 5.viii.1988, Holmes, Boyce & Reed leg. (PBLN). Wheatfen Broad, Norfolk, 1 male, 13.vii.1986, Withers leg. (PPWM). Woodwalton Fen, Cambridgeshire, 1 male, 4.vi.1977, J.H. Cole leg. (PJCB). Wyre Forest, Worcestershire, 1 male, 7.viii.1988, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved, mixed and carr woodland; wetlands including fen, sedge beds, *Molinia* and *Myrica*, raised mire, marshes and water meadows; garden. iv–ix.

BRADYSIA PRATINCOLA TUOMIKOSKI, 1960

Literature: Menzel (1998): 20; Withers (2002): 114.

Material examined: Dickleburgh, Norfolk, 1 male, 26.iv.1979 (reared), Withers leg. (PPWM). Killaun Bog, Offaly, 4 males, ix.2000, Withers leg. (PPWM). Loch Callater, Aberdeenshire, 1 male, 28.viii.–29.viii.1937, Coe leg. (BMNH). Sontley Marsh, Wrexham, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found on fen; raised bog; garden on reclaimed agricultural land. Reared from elm log. iv, viii–ix.

BRADYSIA PSEUDOCAMPESTRIS MOHRIG, 1978

New to British list.

Material examined: Salisbury Plain Training Area, Warminster, Wiltshire, 2 males, 4.vii.2003, Ismay & Schulten leg. (DEI, UMO). Stanford battle area, Norfolk, 3 males, 10.iv.–24.iv.1988, Withers leg. (PPWM).

Ecological notes: found on unimproved calcareous grassland. iv, vii.

BRADYSIA PSEUDODALMATINA MOHRIG & RÖSCHMANN, 1993

New to British list.

Material examined: Cadair Idris, Gwynedd, 1 male, 4.ix.1993, Laurence leg. (PBLN). Hastings Castle, Hastings, East Sussex, 2 males, 20.xi.2001, Roper leg. (PPRS).

Ecological notes: found on grassland on maritime sandstone cliff top; open montane habitats. ix, xi.

BRADYSIA RECTINERVIS FREY, 1948

Literature: Menzel (1998): 20 [in part as *Bradysia rufescens*, misidentification].

New to British and Irish list.

Material examined: Alvecote Pools, Staffordshire, 2 males, 13.x.2001, J.E. Smith leg. (HRI). Becky Woods, Manaton, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Bradfield Wood, Suffolk, 2 males, 9.x.–16.x.1990, Laurence leg. (PBLN). Brancaster, Norfolk, 1 male, 1.vii.–15.vii.1988, Foster & Procter leg. (PBLN). Burnham Beeches, Buckinghamshire, 5 males, 28.v.–1.vii.1996; 5 males, 26.ix.–26.xi.1996, all Ismay leg. (PPCM). Cadair Idris, Gwynedd, 29 males, 19.vi.1993; 1 male, 3.vii.1993; 3 males, 17.vii.1993; 4 males, 1.viii.1993; 8 males, 16.viii.1993; 39 males, 4.ix.1993; 1 male, 22.x.1993; 1 male, 4.ix.1997, all Laurence leg. (DEI, PBLN). Canonteign Falls, Devon, 1 male, 22.vi.2002, J.E. Smith leg. (HRI). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 15.ix.2002, Ismay & Schulten leg. (DEI). Coed Tycanol, Pembrokeshire, 1 male, 2.vi.–10.vi.1999; 1 male, 20.vi.–29.vi.1999; 1 male, 29.vi.–7.ix.1999, all Levey & Pavett leg. (PPCM). Gearagh, Cork, 1 male, 26.ix.1990, de Courcy Williams leg. (DEI). Gwaun Ystrad Caron, Ceredigion, 1 male, 18.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Hafod Garregog, Gwynedd, 1 male, 16.vi.–30.vi.1999, Levey & Pavett leg. (PPCM). Illtyd Pools, Powys, 1 male, 11.ix.1989, Holmes, Boyce & Reed leg. (PPWM). Lackham Park, Wiltshire, 1 male, 14.x.2002, Chandler leg. (PPCM). Loch Callater, Aberdeenshire, 1 male, 27.vi.1938, Coe leg. (BMNH). Loch Park, Moray, 15 males, 12.viii.–14.viii.1937, Coe leg. (BMNH). Mark Ash Wood, New Forest, Hampshire, 1 male, 2.vi.1984, Chandler leg. (PPCM). Market Weston Fen, Suffolk, 1 male, 12.v.1991, Withers leg. (PPWM). Mid Yell, Shetland, 1 male, ix.1990, Laurence leg. (PBLN). Murrough, Wicklow, 1 male, 8.v.1989, Withers leg. (PPWM). New Forest, Hampshire, 1 male, 21.ix.1909, Adams leg. (BMNH). Rhôsili Down, Swansea/Abertawe, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Rotherfield Park, Hampshire, 1 male, 2.x.2002, Chandler leg. (PPCM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 4 males, 12.x.2001, J.E. Smith leg. (HRI); 4 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Sutton Common, Dorset, 1 male, 24.v.–31.v.1999, George leg. (PPCM). West End Common, Esher, Surrey, 1 male, 19.x.2001; 1 male, 17.vii.2002, all Chandler leg. (PPCM). Witherslack, Cumbria, 1 male, 15.vi.1999, Chandler leg. (PPCM). Yell, Shetland, 1 male, 3.ix.–19.ix.1990, Laurence leg. (PBLN).

Ecological notes: very common in broad-leaved and carr woodland; amongst fallen pine needles; heath-

land; fen with sedge pools; sedge bed; wetlands formed by mining subsidence; *Juncus* basin mire; floodplain mire; open montane habitats; decaying vegetation. v–xi.

BRADYSIA REFLEXA TUOMIKOSKI, 1960

New to British list.

Material examined: Manifold Valley, Staffordshire, 1 male, 15.vi.1938, Britten leg. (BMNH).

Ecological notes: found in broad-leaved woodland. vi.

BRADYSIA REGULARIS (LENGERSDORF, 1934)

Synonym: *subnervosa* Frey, 1948.

Literature: Freeman (1983b): 37 [in part]; Laurence & James (1997): 166; Menzel (1998): 20.

Material examined: Cadair Idris, Gwynedd, 2 males, 4.ix.1993; 1 male, 22.x.1993, all Laurence leg. (PBLN). Cors Caranod, Ceredigion, 1 male, 10.ix.1986; 1 male, 17.ix.1986; 1 male, 24.ix.1986; 1 male, 1.x.1986, all Holmes, Boyce & Reed leg. (PPWM). Cors Geirch, Gwynedd, 1 male, 28.vii.1988; 1 male, 21.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 1 male, 28.vii.1988; 1 male, 4.viii.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Llyn Farch a Llyn Fanod, Ceredigion, 1 male, 10.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Culrossie Wood, Highland Region, 1 male, 24.x.2000, Chandler leg. (PPCM). Hickling Broad, Norfolk, 1 male, viii.1937, Edwards leg. (BMNH). Rhôsgyll Fawr, Gwynedd, 1 male, 14.vii.1988, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found in mixed woodland, mainly pine; alder carr; grazed wet heath; wetlands including valley fen, bog, sedge bed, basin mire with *Schoenus nigricans*, *Sphagnum* and *Phragmites* and grazed *Molinia* and *Myrica*; open montane habitats. vii–x.

Taxonomic note: Highland Region record in Freeman (1983b) was of *Scatopsciara subciliata*. The Salop [= Shropshire] and Herts [= Hertfordshire] records were *Bradysia nigrispina* Menzel sp. nov.

BRADYSIA SCABRICORNIS TUOMIKOSKI, 1960

Literature: Laurence (1994): 116 [in part as *Bradysia triseriata*, misidentification]; Menzel (1998): 20.

New to Irish list.

Material examined: Black Cliff, Monmouthshire, 1 male, 9.vii.1985, Chandler leg. (PPCM). Blackditch Wood, Wicklow, 1 male, vi.1989, Withers leg. (PPWM). Bolt Wood, Stockerston, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Coed Tycanol, Pem-

brokeshire, 1 male, 10.v.–20.v.1999; 1 male, 10.vi.–27.vi.1999, all Levey & Pavett leg. (PPCM). Corfe Common, Dorset, 1 male, 29.vi.1998, Chandler leg. (PPCM). Cors Erddreiniog, Isle of Anglesey, 1 male, 27.vii.1988; 1 male, 6.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Epping Forest, Essex, 1 male, ix.–x.1999, Dagley leg. (PPCM). Falls of Tarnash, Moray, 1 male, 9.vii.1936, Coe leg. (BMNH). Gearagh, Cork, 1 male, 10.x.1990, de Courcy Williams leg. (DEI). Gors Llwyn, Neath/Port Talbot, 1 male, 28.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Greywell Fen, Hampshire, 1 male, 5.viii.2003, Chandler leg. (PPCM). Gwenfro, Isle of Anglesey, 3 males, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PPCM). Knebworth, Hertfordshire, 1 male, 18.iii.1928, Edwards leg. (BMNH). Llyn Ystumllyn, Gwynedd, 1 male, 26.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Reedham, Norfolk, 1 male, 12.viii.–26.viii.1988, Foster & Procter leg. (PBLN). Rhôs Llawr Cwrt, Ceredigion, 1 male, 29.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Symond's Yat, Herefordshire, 1 male, ix.1936, Edwards leg. (BMNH). Tresillian, Cornwall, 1 male, 7.vii.1983, Chandler leg. (PPWM). Walberswick, Suffolk, 1 male, 1.vi.–15.vi.1988, Foster & Procter leg. (PBLN). Windsor Forest, Berkshire, 1 male, 5.viii.1995, Brock leg. (PPCM). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH).

Ecological notes: common in ancient oak and beech forest, alder carr and other broad-leaved woodland; wetlands including wet meadow with peat, *Juncus* and *Glyceria*, fens, ombrotrophic mire, reed and sedge beds; grassland and scrub with stream; calcareous grassland. Reared from mole nest. iii, v–x.

BRADYSIA SMITHAE MENZEL & HELLER, 2004

Literature: Chandler (2001): 200 [as *Bradysia normalis*, misidentification]; Menzel & Heller (2005): 339.

New to British list.

Material examined: Buckingham Palace Garden, Greater London, 1 male, 11.vii.–1.viii.1996; 2 males, 26.v.–19.vi.1997 [paratypes of *Bradysia smithae*; recorded as *Bradysia normalis* by Chandler (2001)]; 1 male, 18.vii.–13.viii.1997, all D.J. Carter & C.W. Plant leg. (NMS, PPCM). Lackham Park, Wiltshire, 1 male, 24.x.2002, Chandler leg. [paratype of *Bradysia smithae*] (PPCM). Milham Ford School, Oxford, Oxfordshire, 2 males, 3.v.–11.vi.2002, Webb leg. [paratypes of *Bradysia smithae*] (PPCM). Monkfield Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. [paratype of *Bradysia smithae*] (HRI). Sheep Leas, West Horsley, Surrey, 1 male, 16.vi.1991, Chandler leg. [paratype of *Bradysia smithae*] (PPCM). Which-

ford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 11.x.2001, J.E. Smith leg. [paratype of *Bradysia smithae*] (HRI). Wytham Woods, Wytham, Oxfordshire, 3 males, 21.viii.2002, Menzel leg. [holotype and paratypes of *Bradysia smithae*] (DEI).

Ecological notes: found in broad-leaved woodland; calcareous grassland; school grounds with old poplars; formal garden with wooded fringes and lake. v–viii, x.

BRADYSIA SPLENDIDA MOHRIG & KRIVOSHEINA, 1989
New to British list.

Material examined: The Loke, Norwich, Norfolk, 1 male, 7.ix.1987, Laurence leg. (PBLN).

Ecological notes: found in garden. ix.

BRADYSIA STRENUA (WINNERTZ, 1867)

Synonyms: *annulata absoloni* (Bezzi, 1911); *ardua* (Grzegorzek, 1884).

Literature: Edwards (1925a): 540 [as *Sciara* (?) *varians*, misidentification]; ? Edwards (1938): 201 [as *Sciara* (*Neosciara*) *varians*, misidentification]; Freeman (1983b): 33 [as *Bradysia* (?) *brunnipes*, misidentification]; Laurence (1994): 118; Laurence (1996): 87 [all as *Bradysia brunnipes*, misidentification]; Menzel (1998): 20.

New to Irish list.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 13.x.1990, de Courcy Williams leg. (NMID). Alconbury, Cambridgeshire, 1 male, 3.v.1976, J.H. Cole leg. (PJCB). Biggleswade, Bedfordshire, 1 male, 6.vii.1927, Edwards leg. (BMNH). Bollin Valley, Cheshire, 2 males, 16.v.1928 (reared), Britten leg. (BMNH). Buckingham Palace Garden, Greater London, 2 males, 20.xi.1995; 1 male, 18.vii.–3.viii.1997, all D.J. Carter & C.W. Plant leg. (PPCM). Coombe Abbey Country Park, Coventry, Warwickshire, 1 male, 28.viii.2003, Menzel leg. (DEI). Freshfield, Merseyside, 1 male, 1.vii.1932 (reared), Britten leg. (BMNH). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 30.iv.1965; 1 male, 3.v.1965, all Gurney leg. (HRI). Greywell Fen, Hampshire, 1 male, 20.vi.2002, Chandler leg. (PPCM). Hogley, Oxfordshire, 1 male, 14.ii.1909; 1 male, 20.ii.1909 (all reared), all Hamm leg. (BMNH). Kirton, Lincolnshire, 4 males, xii.1924 (reared), Miles leg. (BMNH). Leeds, West Yorkshire, 2 males, xii.1928, Taylor leg. (BMNH). Letchworth, Hertfordshire, 1 male, v.1917; 1 male, vi.1917, all Edwards leg. (BMNH, ZFMK). Lifton Park, Devon, 4 males, 29.x.1935 (reared), Bradshaw leg. (BMNH). Marston, Oxfordshire, 1 male, 3.iv.1933

(reared), Basden leg. (NMS). Oxwich, Swansea/Abertawe, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Sale, Greater Manchester, 3 males, 23.ii.1928, Buller leg. (BMNH). Taplow, Buckinghamshire, 3 males, xi.1913 (reared), no collector detail (BMNH). Theale Lake, Berkshire, 1 male, 9.vii.2003, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 10.vi.1987; 1 male, 15.ix.1987; 1 male, v.1992; 1 male, 23.v.–25.v.1993, all Laurence leg. (PBLN).

Ecological notes: found in broad-leaved woodland; alder carr woodland and sedge beds by river; partly wooded lake margin; ditch along meadow hedge; calcareous valley; *Phragmites*; bog; grounds of horticultural research station; gardens. Reared from decaying narcissus bulbs, potatoes, mole nest, angelica root, old ragwort stems. ii, iv–xii.

BRADYSIA STRIGATA (STAEGER, 1840)

Synonym: *robusta* (Lengersdorf, 1926) [preocc.].

Literature: Freeman (1983b): 35; Menzel (1998): 20.

Material examined: Cors Llyn Farch a Llyn Fanod, Ceredigion, 2 males, 17.ix.1986; 1 male, 24.ix.1986, all Holmes, Boyce & Reed leg. (PPWM). Cothill, Oxfordshire, 1 male, 5.v.1934, Edwards leg. (BMNH). Greywell Fen, Hampshire, 1 male, 2.viii.1998, Chandler leg. (PPCM). Hogley, Oxfordshire, 1 male, 10.v.1919, Hamm leg. (BMNH). Leckford Estate, Hampshire, 1 male, 30.iv.1977; 1 male, 12.iv.1989, all Chandler leg. (PPCM). Rhôs Llawr Cwrt, Ceredigion, 1 male, 29.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Sutton Park, Birmingham, West Midlands, 1 male, 6.viii.1989, J.H. Cole leg. (PJCB). Thompson Common, Norfolk, 1 male, 16.viii.1989, Chandler leg. (NMS). Woodbastwick, Suffolk, 1 male, viii.1932, Edwards leg. (BMNH). No location details, 1 male, 1989, no. 89/021, ? Disney leg. (PPWM).

Ecological notes: found in broad-leaved woodland especially carr; heathland; wetlands including water meadows, wet meadows with *Juncus*, sedge beds, basin mire and grassland with pingo pools; parkland. iv–v, viii–ix.

BRADYSIA SUBALPINA FREY, 1948

Literature: Freeman (1983b): 38 and 64, fig. 148 [as *Bradysia aprica*, misidentification].

New to British list.

Material examined: Meall Ghaordie, Stirling, 1 male, 17.vi.1932, Edwards leg. (BMNH).

Ecological notes: found on open montane habitats and at 750–1000 m a.s.l. vi.

BRADYSIA SUBRUFESCENS MOHRIG & KRIVOSHEINA, 1989

New to British list.

Material examined: Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 30.v.2003, Ismay & Schulten leg. (DEI). The Loke, Norwich, Norfolk, 2 males, 23.iv.1987, Laurence leg. (PBLN).

Ecological notes: found on unimproved calcareous grassland; garden. iv–v.

BRADYSIA SUBSCABRICORNIS MOHRIG & MENZEL, 1990

Literature: Menzel (1998): 20.

Material examined: Cors Bodeilio, Isle of Anglesey, 1 male, 28.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 30.v.2003, Ismay & Schulten leg. (DEI). Tre Wilmot, Isle of Anglesey, 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found on unimproved calcareous grassland, basin mire; *Cladium* bed. v–vi, x.

BRADYSIA TENUICAUDA MOHRIG & MENZEL, 1990

New to British list.

Material examined: Castlemartin Corse, Pembrokeshire, 1 male, 22.vii.1987, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found in meadow with *Juncus* and *Iris*. vii.

BRADYSIA TILICOLA (LOEW, 1850)

Synonyms: *alma* (Winnertz, 1871); *amoena* (Winnertz, 1867); *coprophila* (Lintner, 1895); *domestica* Frey (1948); *incomta* (Winnertz, 1867); *nanella* (Frey, 1936); *selecta* (Winnertz, 1871); *setigera* (Winnertz, 1867); *signata* (Winnertz, 1867); *triseriata* (Winnertz, 1867); *turbida* (Winnertz, 1867); *vana* (Winnertz, 1871); *vividula* (Winnertz, 1867); *volucris* (Winnertz, 1867); *wendalinae* (van Bruggen, 1954).

Literature: ? Walker (1848): 108 [as *Sciara sylvatica* (recte *silvatica*)]; Basden (1933): 44 [as *Sciara modesta*, misidentification]; Freeman (1983b): 36; Laurence (1994): 116 [in part as *Bradysia triseriata*, misidentification]; Menzel (1998): 20; Chandler (2001): 200 [all as *Bradysia amoena*]; Menzel & Heller (2005): 351 [*amoena* (Winnertz) as synonym to *tilicola* (Loew)].

Material examined: Belfairs, Essex, 4 males, 23.x.–12.xii.1989 (reared), Withers leg. (PPWM). Berwick-

upon-Tweed, Northumberland, 1 male, 30.ix.1998; 1 male, vi.1999; 1 male, viii.1999; 2 males, ix.1999; 2 males, x.1999; 1 male, 27.xii.1999, all Laurence leg. (PBLN). Bishop's Stortford, Hertfordshire, 4 males, 4 females, 1927 (reared), no collector detail (BMNH). Brampton, Cambridgeshire, 1 male, 13.v.1985; 1 male, 22.v.1985; 3 males, 10.iii.1994; 2 males, 3.v.–4.v.1997 (reared), all J.H. Cole leg. (PJCB). Burnham, Buckinghamshire, 8 males, 4 females, 11.vi.–12.ix.1934 (reared), Basden leg. (NMS). Byfleet, Surrey, 1 male, iv.1934, no collector detail (BMNH). Cadair Idris, Gwynedd, 1 male, 19.vi.1993, Laurence leg. (PBLN). Cambridge, Cambridgeshire, 1 male, x.1931, Thomas leg. (BMNH); 1 male, 21.ix.1940, Edwards leg. (BMNH). Coppets Wood, Greater London, 1 male, 22.xii.1990; 2 males, 17.vii.1991; 6 males, 25.vii.1991, all K.G.V. Smith leg. (PBLN). Cors Lawnt, Powys, 1 male, 11.x.1988, Holmes, Boyce & Reed leg. (PPWM). Dickleburgh, Norfolk, 1 male, 22.i.–29.i.1989; 1 male, 2.iv.1991, all Withers leg. (PPWM). Hickling Broad, Norfolk, 1 male, 16.iv.1989 (reared), Evans leg. (PPWM). How Hill, Norfolk, 1 male, 13.viii.1989, Withers leg. (PPWM). Letchworth, Hertfordshire, 1 male, x.1911; 3 males, v.1918, Edwards leg. (BMNH). London, Greater London, 2 males, 1 female, x.1982; 1 male, 1 female, ii.1983, all no collector detail (BMNH). Market Weston Fen, Suffolk, 1 male, 6.ix.1988 (reared), Evans leg. (PPWM). Matley Bog, New Forest, Hampshire, 1 male, 15.xi.1953, Colyer leg. (BMNH). Melksham, Wiltshire, 5 males, 1 female, 21.iii.–25.vii.2002, Chandler leg. (PPCM). Merton, Greater London, 1 male, x.1911 (reared), C.B. Williams leg. (BMNH). Milham Ford School, Oxford, Oxfordshire, 1 male, 18.v.–22.v.2001, Webb leg. (PPCM). Nailsea, Avon, 1 male, v.1944, no collector detail (BMNH). North Wood, Meikleour, Perth & Kinross, 1 male, ii.1996 (reared), MacGowan leg. (NMS). Oxford, Oxfordshire, 1 male, 10.iv.1926 (reared), Hamm leg. (BMNH). Oxford University Parks, Oxford, Oxfordshire, 1 male, 3.iv.1930, Hamm leg. (BMNH). Pett's Wood, Greater London, 1 male, 24.vi.1983, Freeman leg. (BMNH). Putney, Greater London, 31 males, ix.1917, Cant leg. (BMNH). Rothamsted, Harpenden, Hertfordshire, 3 males, 2 females, i.1933, M.A. Watson leg. (BMNH). Scilly Isles, Cornwall, 1 male, ii.1902, Jenkinson leg. (BMNH). Sheffield, South Yorkshire, 4 males, 2 females, ix.1922, L.W. Cole leg. (BMNH). Stanford, Norfolk, 1 male, 10.iv.–24.iv.1988, Collier leg. (PPWM). Temple, Berkshire, 1 male, 23.iv.1932; 7 males, 3 females, 1934 (all reared), all Basden leg. (BMNH, NMS). The Loke, Norwich, Norfolk, 1 male, 20.iv.1987; 1 male, 23.iv.1987; 5 males, 26.iv.1987; 3 males, 27.iv.1987; 2 males, 8.v.1987; 2 males, 5.vii.1987; 2 males, 15.ix.1987; 1 male, 24.x.–25.x.1987; 1 male, 20.iv.1988; 1 male, 23.vi.1988; 1 male, i.–iii.1990; 1 male, 28.iv.–4.v.1990; 1 male, 2.v.–

6.v.1992; 1 male, v.1992; 1 male, 29.ix.–3.x.1992; 6 males, 2.iii.1993; 1 male, 14.iii.1993, all Laurence leg. (PBLN). Thornham Magna, Suffolk, 2 males, 30.x.1988 (reared), Evans leg. (PPWM). Thornton Heath, Greater London, 1 male, 26.ii.1927 (reared), Stokes leg. (BMNH). Trawsfynydd, Gwynedd, 1 male, 5.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Tulse Hill, Greater London, 1 male, 3 females, vii.1934 (reared), Nixon leg. (BMNH). Wellesbourne, Warwickshire, 1 male, 24.ii.–2.iii.2000; 1 male, 24.v.–27.vi.2001; 1 male, 27.vi.–5.vii.2001; 1 male, 13.ix.–4.x.2001, all J.E. Smith leg. (HRI). West Harling Common, Norfolk, 1 male, 1.iv.1989, Withers leg. (PPWM). Wheatfen Broad, Norfolk, 1 male, 8.vii.–15.vii.1986, Withers leg. (PPWM). No locality details, Berkshire, 1 male, 3 females, 1.v.1925, Fox-Wilson leg. (BMNH).

Ecological notes: found in damp broad-leaved and alder carr woodland; pine plantations; moorland; wetlands including fen, bog, sedge bed and valley mire; gardens; grounds of horticultural research station; school grounds with old poplars; open montane habitats; in house; in greenhouse; house-plant compost, in old bird nest. Reared from fungi *Amanita muscaria*, *Gymnopilus junonius*, *Inonotus cuticularis*, *Lepiota cristata*, under dead poplar bark, larva under pine bark, tulip bulbs, decaying onions, formicarium, and soil from rabbit burrow. Larvae found destroying young seedlings of ling (*Calluna vulgaris*) and bulbs of lily (*Lilium aurantiacum*); in gerbil cage. i–xii.

Taxonomic note: Loew found *Sciara tilicola* in large numbers. From the apparently large type series, only 2 males with the original labelling '*tilicola* Lw.' could still be found in the Loew collection. The lectotype designation in Menzel & Heller (2005) conforms with the interpretation of Lengersdorf (1928–30: 52), who considered that *tilicola* Loew is identical with *amoena* Winnertz but listed the species under the incorrect name '*modesta* Staeger, 1840'. Further information about the type material of *tilicola* (Loew) and about the synonymy of *amoena* (Winnertz) can be found in Menzel & Heller (2005).

BRADYSIA TRISPINIFERA MOHRIG &
KRIVOSHEINA, 1979

New to British list.

Material examined: Bucklebury Common, Berkshire, 1 male, 20.viii.1993, Chandler leg. (PPCM). Coed Tycanol, Pembrokeshire, 2 males, 10.vi.–29.vi.1999, Levey & Pavett leg. (PPCM). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Lough Slevin, Westmeath, 1 male, 16.vi.1985, Chandler leg. (PPWM). Nutcombe Down, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Redlake, Cornwall,

2 males, 12.vii.2001, Chandler leg. (PPCM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 2 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Wheatfen Broad, Norfolk, 1 male, 25.vii.1989, Withers leg. (PPWM). Wychwood, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH).

Ecological notes: widespread in broad-leaved woodland (some acid); also found in mixed woodland. vi–ix.

BRADYSIA TRIVITTATA (STAEGER, 1840)

Synonyms: *basalis* (Winnertz, 1867); *decipiens* (Winnertz, 1867); *devittata* Tuomikoski, 1959; *lignorum* (Kieffer, 1919); *spectrum* (Winnertz, 1867); *versicolorea* (Lengersdorf, 1940).

Literature: Freeman (1983b): 38 [as *Bradysia triseriata*, misidentification]; Laurence (1994): 116 [in part as *Bradysia triseriata*, misidentification]; Laurence (1997b): 228 [as *Bradysia triseriata* (group)]; Menzel (1998): 20.

New to Irish list.

Material examined: Alconbury, Cambridgeshire, 1 male, 3.v.1976, J.H. Cole leg. (PJCB). Badger Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (PPCM). Beesands, Devon, 1 male, 8.vi.1920, Edwards leg. (BMNH). Bradfield Wood, Suffolk, 1 male, 11.vii.–16.vii.1990, Laurence leg. (PBLN). Buckingham Palace Garden, Greater London, 1 male, 1996–97, D.J. Carter & C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 10.v.–23.v.199; 1 male, 20.iv.1998, all Ismay leg. (PPCM). Catfield, Norfolk, 1 male, no date, Foster & Procter leg. (PBLN). Chigwell Row Wood, Chigwell Row, Essex, 1 female, 18.vi.2002; 2 males, 28.vi.2002; 1 male, 1 female, 15.ix.2002; 2 males, 8.x.2002; 2 males, 5 females, 16.x.2002; 1 male, 1 female, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). Clovelly, Devon, 1 male, 8.v.1936, Edwards leg. (BMNH). Cock Marsh, Berkshire, 1 male, 25.viii.1999, Chandler leg. (PPCM). Colwyn Brook, Powys, 1 male, 18.viii.1989; 2 males, 9.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 21.vi.1993; 1 male, 3.xi.2001, all Chandler leg. (PPCM). Epping Forest, Essex, 14 males, 1998–2000, Dagley leg. (PPCM). Farnborough Park, Warwickshire, 1 female, 10.x.2001, Chandler leg. (HRI). Ffrwd Fen, Carmarthen, 2 males, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Hemingford, Cambridgeshire, 11 males, 9 females, 1.x.1938, Edwards leg. (BMNH). Hickling, Norfolk, 1 male, v.1988, 1 male, 1988, all Foster & Procter leg. (PBLN). Highgate Wood, Greater London, 1 male, 1998–99, Hackett leg. (PPCM). Hitchin, Hertfordshire, 1 male, ix.1917, Edwards leg. (BMNH). Holme

Fen, Cambridgeshire, 1 male, 26.viii.1980, J.H. Cole leg. (PJCB). Kelham Bridge, Ravenstone, Leicestershire, 1 male, 24.viii.2003, J.E. Smith leg. (HRI). Lackham Park, Wiltshire, 1 male, 20.ix.2002, Chandler leg. (PPCM). Letchworth, Hertfordshire, 2 males, v.1917; 1 male, vii.1917; 1 male, x.1917; 3 males, xi.1917, all Edwards leg. (BMNH, ZFMK). Luton Airport, Bedfordshire, 1 male, 20.iv.–6.v.1999, C.W. Plant leg. (PPCM). Mills Marsh, Norfolk, 1 male, 11.viii.1988, Foster & Procter leg. (PBLN). Moccas Park, Herefordshire, 1 male, 11.vi.2002, Godfrey leg. (PPCM). Monkfield Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (PPCM). North Ronaldsay, Orkney, 1 male, 8.ix.1989; 1 male, 10.ix.1989, all Laurence leg. (PBLN). Orford, Suffolk, 1 male, 19.viii.1908, King leg. (BMNH). Oxford University Museum, Oxford, Oxfordshire, 1 male, 10.ix.1918, Hamm leg. (BMNH). Radwell, Hertfordshire, 2 males, 21.x.1917, Edwards leg. (BMNH). Rhôsgoch, Powys, 1 male, 10.x.1989, Holmes, Boyce & Reed leg. (PPWM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 29.vi.2003; 5 males, 3.vii.2003; 3 males, 4.vii.2003, all Ismay & Schulten leg. (DEI, UMO); 1 male, 1.vii.–5.vii.2003, Woodcock leg. (UMO). Snailbeach, Shropshire, 1 male, 27.vii.–28.vii.1920, Edwards leg. (BMNH). Sned Wood, Lower Lye, Herefordshire, 1 male, 1 female, 14.vii.2003, J.E. Smith leg. (HRI). Stalode Wash, Suffolk, 1 male, 24.vi.–8.vii.1988, Foster & Procter leg. (PBLN). Temple, Berkshire, 16 males, 4 females 1.iv.–1.v.1934; 13 males, 1 female, 8.iv.–15.iv.1933 (reared), all Basden leg. (BMNH, NMS). The Loke, Norwich, Norfolk, 2 males, 26.iv.1987; 11 males, 8.v.1987; 3 males, 9.v.1987; 2 males, 8.vi.1987; 1 male, 18.vi.1987; 5 males, 5.vii.1987; 1 male, 10.viii.1987; 1 male, 7.ix.1987; 7 males, 15.ix.1987; 2 males, 10.vi.–24.vi.1988; 1 male, 13.vi.1988; 5 males, 15.viii.–16.viii.1988; 1 male, 16.viii.1988; 1 male, 18.ix.–20.ix.1988; 3 males, 15.ix.–28.ix.1889; 3 males, 2.v.–6.v.1992; 1 male, 27.vii.1992; 2 males, 29.ix.–3.x.1992; 1 male, 4.xi.–11.xi.1992; 1 male, 30.vii.–2.viii.1993; 3 males, 27.viii.–1.ix.1993, all Laurence leg. (PBLN). The Oaks, Cambridgeshire, 2 males, ix.1998, C.W. Plant leg. (PPCM). Thompson Common, Norfolk, 2 males, 13.ix.–27.ix.1988, Foster & Procter leg. (PBLN). Trefeiddan Moor, Pembrokeshire, 1 male, 21.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Tresta, Shetland, 1 male, 5.vi.–6.vi.1998, Laurence leg. (PBLN). Unst, Shetland, 1 male, 19.viii.–21.viii.1996, Laurence leg. (PBLN). Vicarage Bog, Wrexham, 1 male, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Vidlin, Shetland, 1 male, 18.vi.–21.vi.1993, Laurence leg. (PBLN). Wellesbourne, Warwickshire, 5 males, 1999; 3 males, 6.iv.–13.iv.2000; 7 males, 5 females, 17.viii.–31.viii.2000; 2 males, 28.iii.–26.iv.2001; 1 male, 24.v.–27.vi.2001; 1 male, 26.vi.2001; 2 males, 27.vi.–5.vii.2001; 2 males, 13.ix.–

4.x.2001, all J.E. Smith leg. (HRI). Willes Meadow, Leamington Spa, Warwickshire, 4 males, 1 female, 27.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Wolford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 11.x.2001, J.E. Smith leg. (HRI). Woodwalton Fen, Cambridgeshire, 5 males, 24.v.1940, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 4 males, 21.viii.2002, J.E. Smith leg. (HRI).

Ecological notes: very common in all types of woodland; ancient woodland with oak, hazel and bramble; heathland; wetlands including fens, bogs and water meadows; parkland; old hedges; unimproved grassland; near shore; gardens. Reared from nests of song thrush and moorhen. iv–xi.

BRADYSIA URTICAE MOHRIG & MENZEL, 1992

Literature: Menzel (1998): 20.

Material examined: Pumpkin Hill, Burnham Beeches, Buckinghamshire, 1 male, 22.vii.–5.viii.1996, Ismay leg. (PPCM). Snettisham Beach, Norfolk, 2 males, 8.v.–13.v.1983, Evans leg. (PPWM). Willes Meadow, Leamington Spa, Warwickshire, 2 males, 27.viii.2002, Menzel leg. (DEI).

Ecological notes: found in ancient beech woodland; meadow flooded in winter; underground pitfall trap on sea shore. v, vii–viii.

BRADYSIA VAGANS (WINNERTZ, 1868)

Synonyms: *angustipennis* Frey, 1948 [preocc.]; *callicera* Frey (1948); *richardi* Gerbachevskaja, 1986.

Literature: Laurence (1994): 118; Laurence (1997a): 85 [all as *Bradysia confinis*, misidentification]; Laurence (1997b): 228 [as *Bradysia confinis* (group) and in part as *Bradysia pullula*, misidentification]; Menzel (1998): 20; Chandler *et al.* (2002): 122.

Material examined: Alconbury, Cambridgeshire, 1 male, 3.v.1976; 1 male, 4.v.1989, all J.H. Cole leg. (PJCB). Badger Wood, Cambridgeshire, 2 males, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). Ban-y-Gor Wood, Gloucestershire, 1 male, 12.ix.2002, Gibbs leg. (PDGB). Bradfield Wood, Suffolk, 8 males, 9.x.–16.x.1990; 2 males, 23.v.–30.v.1991; 1 male, v.1991; 3 males, 16.viii.–22.viii.1991, all Laurence leg. (PBLN). Brancaster, Norfolk, 1 male, 28.x.1988, Withers leg. (PPWM). Brandyquoi, Kirkwall, Orkney, 10 males, v.–vi.2001, Laurence leg. (PBLN). Blackgang, Isle of Wight, 1 male, 25.iv.1975, Jarzembowski leg. (BMNH). Blair Atholl, Perth & Kinross, 1 male, 28.v.1973, Chandler leg. (PPCM). Brampton, Ouse flood meadow, Cambridgeshire, 1 male, 8.v.1977, J.H. Cole leg. (PJCB). Buckingham Palace Garden, Greater London,

1 male, 25.iv.–9.v.1996, D.J. Carter & C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 26.ix.–9.x.1996, Ismay leg. (PPCM). Cock Marsh, Berkshire, 2 males, 25.viii.1999, Chandler leg. (PPCM). Den of Alyth, Angus, 1 male, 30.v.1976, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 20.ix.1992; 1 male, 1.v.1993; 1 male, 15.v.1993; 1 male, 9.vii.1996; 1 male, 29.x.1996, all Chandler leg. (PPCM). Eday, Orkney, 1 male, 1.vi.–6.vi.1988; 3 males, 4.vi.1988, all Laurence leg. (PBLN). Epping Forest, Essex, 2 males, 18.ix.1998; 2 males, iv.1999, all Dagley leg. (PPCM). Fanore, Clare, 1 male, 24.v.1985, J.P. & M.A. O'Connor leg. (NMID). Glen of Drumloch, Moray, 1 male, 16.viii.1937, Coe leg. (BMNH). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Hickling Broad, Norfolk, 1 male, viii.1932, Edwards leg. (BMNH). Holme Fen, Cambridgeshire, 1 male, 27.iv.1987, J.H. Cole leg. (PJCB). Holywood, Down, 1 male, 18.vi.1993, Jordan leg. (UMB). Kelham Bridge, Ravenstone, Leicestershire, 2 females, 24.viii.2003, Menzel leg. (DEI). Kennack Cove, Cornwall, 1 male, 4.ix.1983, Chandler leg. (PPCM). Knocksink Wood, Wicklow, 1 male, 28.ix.1999, Chandler leg. (PPCM). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Letchworth, Hertfordshire, 1 male, v.1917, Edwards leg. (ZFMK). Loch Fleet, Highland Region, 1 male, 26.v.2002, Chandler leg. (PPCM). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 24.vii.–13.viii.1990, Jessop leg. (PBLN). Lolly Moor, Norfolk, 2 males, 23.v.1979, Irwin leg. (PPWM). Luton Airport, Bedfordshire, 1 male, 20.iv.–6.v.1999, C.W. Plant leg. (PPCM). Newbridge Fen, Kildare, 1 male, 8.ix.–19.ix.2000, Withers leg. (PPWM). North Ronaldsay, Orkney, 1 male, 9.ix.–10.ix.1989; 2 males, ix.1989, all Laurence leg. (PBLN). Occold, Suffolk, 1 male, 10.v.1990, Withers leg. (PPWM). Oxford University Museum, Oxford, Oxfordshire, 1 male, 6.v.1927, Hamm leg. (BMNH). Pearman's Copse, Berkshire, 1 male, 28.viii.1995, Chandler leg. (PPCM). Pett's Wood, Greater London, 1 male, 6.x.1981, Freeman leg. (BMNH). Raveley Wood, Cambridgeshire, 1 male, 28.ix.1975, J.H. Cole leg. (PJCB). Reedham, Norfolk, 1 male, 26.viii.–27.viii.1988, Foster & Procter leg. (PBLN). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, v.2003; 1 male, 27.v.2003; 1 male, 31.v.2003, all Ismay & Schulten leg. (DEI, UMO). Sandy, Bedfordshire, 1 male, 15.v.1919, Edwards leg. (BMNH). Stronsay, Orkney, 1 male, 25.v.1988, Laurence leg. (PBLN). Sutton Wash, Cambridgeshire, 1 male, 18.v.1989, J.H. Cole leg. (PJCB). The Loke, Norwich, Norfolk, 3 males, 23.iv.1987; 2 males, 26.iv.1987; 1 male, 27.iv.1987; 11 males, 8.v.1987; 26 males, 9.v.1987; 2 males, 18.vi.1987; 1 male, 10.viii.1987; 1 male, 15.viii.–16.viii.1988; 3 males, 7.ix.1987; 1 male, 8.ix.1987; 6 males, 15.ix.1987; 1 male, 24.x.–25.x.1987;

5 males, 5.v.1988; 7 males, 13.v.1988; 1 male, 13.vi.1988; 1 male, 18.ix.–20.ix.1988; 9 males, 5.vi.–13.vi.1989; 3 males, 21.viii.–24.viii.1989; 4 males, 15.ix.–28.ix.1989; 1 male, 29.ix.–3.x.1989, all Laurence leg. (PBLN). The Oaks, Cambridgeshire, 1 male, ix.1998, C.W. Plant leg. (PPCM). Thundry Meadow, Surrey, 1 male, 15.ix.2001, Chandler leg. (PPCM). Tomintoul, Moray, 1 male, 8.vii.–11.vii.1937, Coe leg. (BMNH). Trefeiddan Moor, Pembrokeshire, 1 male, 21.vii.1997, Holmes, Boyce & Reed leg. (PPWM). Tresta, Shetland, 1 male, 5.vi.–6.vi.1998, Laurence leg. (PBLN). Udale Bay, Highland Region, 2 males, 29.v.2002, Chandler leg. (PPCM). Weem Castle Woods, Perth & Kinross, 1 male, 28.viii.1995, Chandler leg. (PPCM). Wellesbourne, Warwickshire, 1 male, 1999; 1 male, 24.ii.–2.iii.2000; 8 males, 6.iv.–13.iv.2000; 4 males, 17.viii.–31.viii.2000; 1 female, 28.iii.–26.iv.2001, all J.E. Smith leg. (HRI). Whitacre Heath, Warwickshire, 1 male, 1 female, 13.x.2001, J.E. Smith leg. (HRI). Willes Meadow, Leamington Spa, Warwickshire, 1 male, 1 female, 27.viii.2002, Menzel leg. (DEI). Wistow Wood, Warboys, Cambridgeshire, 1 male, 4.v.1975, J.H. Cole leg. (PJCB). Yell, Shetland, 1 male, 3.ix.–19.ix.1990, Laurence leg. (PBLN). No location details, 1 male, no date, Withers leg. (PPWM).

Ecological notes: very common in broad-leaved, mixed and carr woodland; heathland and scrub; wetlands including water meadows, *Sphagnum* bog and sedge beds, saltmarsh; unimproved calcareous grassland; old hedges; old sand and gravel workings; gardens; near shore; coastal landslip. iii–x.

BRADYSIA VERNALIS (ZETTERSTEDT, 1851)

New to British and Irish list.

Material examined: Lough Slevin, Westmeath, 1 male, 16.vi.1985, Chandler leg. (PPWM). Reedham, Norfolk, 2 males, 12.viii.–26.viii.1988, Foster & Procter leg. (PBLN). Strumpshaw, Norfolk, 1 male, 13.vi.–11.vii.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in mixed woodland; damp meadow; sedge bed. vii–viii.

BRADYSIA ZONATA RUDZINSKI, 1993

New to British list.

Material examined: Brynberian Moor, Pembrokeshire, 1 male, 22.vi.1987, Holmes, Boyce & Reed leg. (DEI). Rhôsili Down, Swansea/Abertawe, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Wheatfen Broad, Norfolk, 1 male, 8.vi.–15.vi.1986; 1 male, 29.v.1990, all Withers leg. (PPWM).

Ecological notes: found on damp heath; *Sphagnum* and *Myrica* flush. v–vi, x.

BRADYSIOPSIS TUOMIKOSKI, 1960

BRADYSIOPSIS VITTATA (MEIGEN, 1830)

Synonyms: *leucotricha* (Tuomikoski, 1960); *quinque-lineata* var. *alpujarrensis* (Strobl, 1900); *quinquelineata* var. *nigripes* (Strobl, 1898).

Literature: Freeman (1983a): 168; Freeman (1983b): 30 [all as *Lycoriella (Bradysiopsis) leucotricha*]; Freeman (1987): 197; Skidmore (1991): 149; Laurence (1997a): 85 [all as *Lycoriella leucotricha*]; Menzel (1998): 20.

Material examined: Alconbury, Cambridgeshire, 1 male, 9.vii.1978, J.H. Cole leg. (PJCB). Aviemore, Highland Region, 1 male, v.1934, Edwards leg. (BMNH). Bradfield Wood, Suffolk, 1 male, 11.vii.–16.vii.1990; 1 male, 9.x.–16.x.1990, all Laurence leg. (PBLN). King's Walden, Hertfordshire, 1 male, 24.iv.1964, Colyer leg. (BMNH). Knott Wood, Rothamsted, Harpenden, Hertfordshire, 3 females, 20.iv.1950; 2 males, 29.v.1950 (reared), all Laurence leg. (PBLN). Nethy Bridge, Highland Region, 1 male, 16.vii.1936, Coe leg. (BMNH). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 27.v.2003; 3 males, 4.vii.2003, all Ismay & Schulten leg. (DEI, UMO). Spinningdale Bog, Highland Region, 1 male, 17.vi.1976, Chandler leg. (PPCM). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM). Upwood Meadow, Cambridgeshire, 1 male, 29.v.1977, J.H. Cole leg. (PJCB). No locality details, Wales, 'Clwyd', 1 male, 1987, M. Jones leg. (BMNH).

Ecological notes: found in broad-leaved woodland; unimproved calcareous grassland; on iver broomrape; hedges; river bank; ditch along meadow hedge; bog with stream. Reared from old cow dung. iii–vii, x.

CAMPTOCHAETA HIPPA & VILKAMAA, 1994

CAMPTOCHAETA CAMPTOCHAETA (TUOMIKOSKI, 1960)

New to British list.

Material examined: Dubh Ghleann, Glen Quoich, Aberdeenshire, 1 male, 21.iv.2000; 4 males, 19.vi.2000, all Godfrey leg. (HRI, PPCM). Upper Quoich, Aberdeenshire, 1 male, 21.vi.2000, Godfrey leg. (PPCM).

Ecological notes: found in ancient pine woodland. iv, vi.

CAMPTOCHAETA COEI (FREEMAN, 1983)

Literature: Freeman (1983a): 164 [in part]; Freeman (1983b): 29 [all as *Corynoptera*]; Menzel (1998): 20; Menzel & Mohrig (2000): 196.

Material examined: California Country Park, Berkshire, 1 male, 2.vi.1996, Chandler leg. (PPCM). Culbin

Sands, Highland Region, 3 males, 1 female, 5.vii.–7.vii.1936, Coe leg. [including holotype and paratype of *Corynoptera coei*] (BMNH). Harpenden, Hertfordshire, 1 male, 1.viii.1950, Laurence leg. (BMNH). Loch Park, Moray, 1 male, 3.vii.1936, Coe leg. (BMNH). Torboll Wood, Highland Region, 1 male, 24.x.2000, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved and alder carr woodland; dunes and conifer plantations. vi–viii, x.

CAMPTOCHAETA CONSIMILIS (HOLMGREN, 1869)

New to British list.

Material examined: Cwm Dewi, Pembrokeshire, 1 male, 12.x.1987, Holmes, Boyce & Reed leg. (PPWM). Dowrog Common, Pembrokeshire, 1 male, 29.ix.1987, Holmes, Boyce & Reed leg. (DEI). Llyn Fawnog, Denbighshire, 1 male, 27.x.1988, Holmes, Boyce & Reed leg. (PPWM). The Ritec, Pembrokeshire, 1 male, 24.vi.1987; 1 male, 8.vii.1987; 2 males, 22.vii.1987; 2 males, 30.ix.1987, all Holmes, Boyce & Reed leg. (DEI, PPWM). Trefeiddan Moor, Pembrokeshire, 1 male, 21.vii.1987, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found on wetlands including fens with *Carex* and *Phragmites* beds. vi–vii, ix–x.

CAMPTOCHAETA STAMMERI (LENGERSDORF, 1940)

Literature: Laurence & James (1996): 73; Laurence & James (1997): 166 [all as *Corynoptera*]; Menzel (1998): 20.

Material examined: Ben Macdhui, Aberdeenshire, 1 male, 18.vii.1982; 1 male, 6.viii.1983, all no collector detail (PPWM). Cadair Idris, Gwynedd, 1 male, 3.vii.1963; 1 male, 17.vii.1993; 5 males, 4.ix.1993; 1 male, no date, all Laurence leg. (PBLN).

Ecological notes: found on high and open montane habitats. vii–ix.

CAMPTOCHAETA VIVAX (FREY, 1948)

New to British list.

Material examined: The Loke, Norwich, Norfolk, 1 male, 26.iv.1987, Laurence leg. (PBLN).

Ecological notes: found in garden. iv.

CLAUSTROPYGA HIPPA, VILKAMAA & MOHRIG, 2003

CLAUSTROPYGA ABBLANDA (FREEMAN, 1983)

Literature: Freeman (1983a): 163; Freeman (1983b): 29; Menzel (1998): 20; Chandler *et al.* (2002): 123 [all as *Corynoptera*]; Hippa, Vilkamaa & Mohrig (2003): 486.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 23.v.–6.vi.1995; 7 males, 8.vii.–26.xi.1996, all Ismay leg. (HRI, PPCM). Clovelly, Devon, 2 males, 8.v.1936, Edwards leg. [paratypes of *Corynoptera abblanda*] (BMNH). Coed y Rhygen, Gwynedd, 1 male, 14.vii.–8.ix.1999, Levey & Pavett leg. (PPCM). Cotterdale, North Yorkshire, 1 male, 4.v.1976, J.H. Cole leg. (PJCB). Crowborough, East Sussex, 1 male, 12.v.1904, Jenkinson leg. [paratype of *Corynoptera abblanda*] (BMNH). Dendles Wood, Devon, 1 male, 4.v.1976, J.H. Cole leg. (PJCB). Epping Forest, Essex, 7 males, 12.iv.–xi.1999; 1 male, 19.ix.1999; 1 male, ix.1999, all Dagley leg. (NMS, PPCM). Fishpool Valley, Herefordshire, 1 male, 12.x.1984, Chandler leg. (PPWM). Gearagh, Cork, 1 male, 7.iv.1990; 1 male, 10.x.1990, all de Courcy Williams leg. (DEI, NMID). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). J.F. Kennedy Park, Wexford, 1 male, 29.iii.1989, J.P. & M.A. O'Connor leg. (NMID). Kitley Wood, Malham, North Yorkshire, 1 male, 11.ix.–18.ix.1981, Laurence leg. (PBLN). Lancaut Nature Reserve, Gloucestershire, 1 male, 5.ix.2002, Gibbs leg. (PDGB). Lion Wood, Redditch, Worcestershire, 2 males, 10.iv.2003, J.E. Smith leg. (HRI). Lisdoonvarna, Clare, 1 male, 21.iv.1982, J.P. O'Connor leg. (NMID). Longborough, Gloucestershire, 5 males, 8.iv.2003, J.E. Smith leg. (HRI). Offley Holes, Hertfordshire, 2 males, iv.1936, Edwards leg. [paratypes of *Corynoptera abblanda*] (BMNH). Selsdon, Greater London, 1 male, 18.iv.1938, Coe leg. (BMNH). Stonybrow Wood, Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Sutton Park, Birmingham, West Midlands, 10 males, 1 female, 7.iv.2003, J.E. Smith leg. (HRI). Symond's Yat, Herefordshire, 1 male, ix.1936, Edwards leg. [holotype of *Corynoptera abblanda*] (BMNH). Wicken Fen, Cambridgeshire, 1 male, 12.v.1990, Withers leg. (PPWM). Wood Crates, New Forest, Hampshire, 1 male, viii.1936, Edwards leg. (BMNH).

Ecological notes: common in broad-leaved and mixed woodland; riverbank with alders; calcareous grassland; heath and parkland; wetlands including fen meadows and ditches. On fallen beech. iii–xi.

CLAUSTROPYGA BREVICHAETA (MOHRIG & ANTONOVA, 1978)

Literature: Freeman (1987): 200; Menzel (1998): 20 [all as *Corynoptera acanthostyla*, misidentification]; Hippa *et al.* (2003): 488.

Material examined: Goyt Valley, Derbyshire, 1 male, 13.iii.1931, Britten leg. (BMNH). Longdendale, Cheshire, 2 males, 24.ix.1932, Britten leg. (BMNH). Mid Quoich, Aberdeenshire, 1 male, 21.iv.2000, Godfrey leg. (PPCM).

Ecological notes: found in broad-leaved and ancient pine woodland. iii–iv, ix.

CLAUSTROPYGA HETEROCLAUSA (RUDZINSKI, 1991)

Literature: Menzel (1998): 21 [as *Corynoptera*].

Material examined: Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Malham Tarn, North Yorkshire, 1 male, 11.ix.–18.ix.1981; 1 male, 2.vi.–3.vi.1982, all Disney leg. (PPWM). The Loke, Norwich, Norfolk, 1 male, 8.v.1987, Laurence leg. (PBLN).

Ecological notes: found in calcareous grassland adjacent to hanger woodland; bog and lakeshore; garden. v–vi, ix.

CORYNOPTERA WINNERTZ, 1867

CORYNOPTERA BICUSPIDATA (LENGERSDORF, 1926)

Synonym: *gymnops* Tuomikoski, 1960.

New to British list.

Material examined: Chigwell Row Wood, Chigwell Row, Essex, 1 male, 15.ix.2002; 2 males, 23.ix.2002, all Ismay & Schulten leg. (DEI, UMO). Selsdon, Greater London, 1 male, 4.vii.1934; 1 male, 6.vii.1934; 1 male, 18.vii.1934; 2 males, 19.vii.1934; 2 males, 26.vii.1934; 1 male, 23.vii.1935; 1 male, 31.vii.1934, all Coe leg. (BMNH) [= Surrey record of *Corynoptera perpusilla* in Freeman (1983b)].

Ecological notes: found on heathland (heather, *Juncus*, *Deschampsia*) with ancient and secondary woodland. With ants *Lasius niger* in bungalow. vii, ix.

CORYNOPTERA BISTRISPINA

(BUKOWSKI & LENGERSDORF, 1936)

Synonym: *defecta* (Frey, 1948).

New to British list.

Material examined: Hartslock, Oxfordshire, 2 males, 6.v.2000; 2 males, 14.v.2000, all Raper leg. (HRI, PDGB, PPCM).

Ecological notes: found on calcareous grassland adjacent to hanger woodland. v.

CORYNOPTERA BLANDA (WINNERTZ, 1867)

Synonyms: *curviligula* (Lengersdorf, 1952); *villica* (Winnertz, 1867).

Literature: Freeman (1987): 199; Menzel (1998): 20; Chandler *et al.* (2002): 123.

Material examined: Becky Woods, Manaton, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Burnham

Beeches, Buckinghamshire, 4 males, 1.vii.–8.vii.1996; 1 male, 5.viii.–31.viii.1996; 1 male, 9.x.–26.xi.1996, all Ismay leg. (HRI, PPCM). Duxmoor Dingle, Shropshire, 1 male, 15.x.1987, Chandler leg. (PPCM). Goathland, North Yorkshire, 1 male, 5.ix.1937, Edwards leg. (BMNH). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 1 male, 25.viii.2002, J.E. Smith leg. (HRI). Headley Common, Hampshire, 1 male, 23.x.1972, Cranston leg. (BMNH). Highgate Wood, Greater London, 1 male, 1998–99, Hackett leg. (PPCM). Hunt-house Woods, Worcestershire, 1 male, 13.x.1984, Chandler leg. (PPWM). Lion Wood, Redditch, Worcestershire, 1 male, 10.iv.2003, J.E. Smith leg. (HRI). Loch Chon, Stirling, 1 male, 22.vi.1999, Chandler leg. (PPCM). Low Pasture, Hawaby, North Yorkshire, 1 male, 12.x.1990, Chandler leg. (PPCM). Rothiemurchus, by River Druie, Highland Region, 1 male, 18.viii.1986, Chandler leg. (PPCM). Slade of Saggart, Dublin, 1 male, 26.ix.1999, Chandler leg. (PPCM). Sutton Park, Birmingham, West Midlands, 4 males, 7.iv.2003, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved, mixed and coniferous woodland; heathland and parkland; wetlands including lakeshore marsh. iv, vi–xi.

CORYNOPTERA CAVIPES MOHRIG, 1993

New to British list.

Material examined: Hartslock, Oxfordshire, 1 male, 14.v.2000; 1 male, 19.v.2000, all Raper leg. (PDGB). Letchworth, Hertfordshire, 1 male, v.1917; 1 male, ix.1917; 1 male, x.1917; all Edwards leg. (BMNH). Milham Ford School, Oxford, Oxfordshire, 3 males, 3.v.–5.vi.2002, Webb leg. (PPCM). Pant-y-Sais, Neath/Port Talbot, 1 male, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 27.v.2003, Ismay & Schulten leg. (UMO). The Loke, Norwich, Norfolk, 1 male, 21.v.–23.v.1993, Laurence leg. (PBLN). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved woodland; wetlands including *Phragmites* and *Molinia* bog; unimproved calcareous grassland; school grounds with old poplars. v–x.

CORYNOPTERA COMPRESSA (WALKER, 1848)

Synonym: *pallida* (Walker, 1856).

Literature: Walker (1848): 110; Walker (1856): 56 [all as *Sciara compressa*]; Walker (1856): 56; Edwards (1925a): 540 [all as *Sciara pallida*]; Freeman (1983b): 29; Menzel (1998): 20; Menzel & Mohrig (2000): 246; Withers (2002): 114.

Material examined: Baldock, Hertfordshire, 1 male, v.1918, Edwards leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 male, 25.v.–1.vi.1999, Ismay leg. (PPCM). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Letchworth, Hertfordshire, 1 male, vi.1917; 2 males, vi.–vii.1936, all Edwards leg. (BMNH, ZFMK). Nutcombe Down, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Savernake Forest, Wiltshire, 1 male, 29.ix.1971 (reared), Chandler leg. (PPCM). No locality details, ? England, 1 female, 1856, Walker leg. [lectotype of *Sciara pallida*] (BMNH). No locality details, ? England, 1 female, no date, Barnston leg. [lectotype of *Sciara compressa*] (BMNH).

Ecological notes: found in ancient beech and other broad-leaved woodland; raised bog. Reared from the fungus *Hypoxylon fragiforme* on beech bark. vi–vii, ix.

CORYNOPTERA CONCINNA (WINNERTZ, 1867)

Synonym: *semiconcinna* Mohrig & Krivosheina, 1985.

New to British list.

Material examined: Berwick-upon-Tweed, Northumberland, 1 male, vi.1999, Laurence leg. (PBLN). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 28.i.1958; 1 male, 9.iii.1960; 3 males, 1 female, no date, all Hussey leg. (HRI). Letchworth, Hertfordshire, 1 male, 25.vi.1934, Edwards leg. (BMNH). Wellesbourne, Warwickshire, 1 male, 17.viii.–31.viii.2000, J.E. Smith leg. (HRI).

Ecological notes: found in grounds of horticultural research stations; garden. i, iii, vi, viii.

CORYNOPTERA CUNICULATA (LENGERSDORF, 1942)

Synonym: *caldariorum* Tuomikoski, 1960.

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 9 males, 28.v.–26.xi.1996; 1 male, 22.vii.–5.viii.1996, all Ismay leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 11.vi.2002; 2 females, 18.vi.2002; 1 male, 1 female, 8.x.2002, all Ismay & Schulten leg. (DEI). Monk's Soham, Suffolk, 1 male, 5.vi.1915, Morley leg. (BMNH). Sedlescombe, East Sussex, 1 male, 21.viii.1994, Roper leg. (PBLN).

Ecological notes: found in ancient broad-leaved woodland; ancient woodland with oak, hazel and bramble; heathland (heather) with oak and holly; on fungal growth on old willow. v–xi.

CORYNOPTERA CURVISPINOSA FREEMAN, 1983

Literature: Freeman (1983a): 164; Freeman (1983b): 29; Menzel (1998): 21; Chandler (2001): 201; Withers (2002): 114.

Material examined: Ban-y-Gor Wood, Gloucestershire, 1 male, 12.ix.2002, Gibbs leg. (PDGB). Buckingham Palace Garden, Greater London, 1 male, 26.v.–19.vi.1997, D.J. Carter & C.W. Plant leg. (PPCM). Cors Erddreiniog, Isle of Anglesey, 1 male, 14.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Dent, Cumbria, 1 male, 23.vii.1935, Edwards leg. [paratype of *Corynoptera curvispinosa*] (BMNH). Dickleburgh, Norfolk, 1 male, 21.iv.1989, Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 3.vii.1994, Chandler leg. (PPCM). Epping Forest, Essex, 8 males, iv.–ix.1999, Dagley leg. (PPCM). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Letchworth, Hertfordshire, 1 male, 1922, Edwards leg. [paratype of *Corynoptera curvispinosa*] (BMNH). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998, Good leg. (PPWM). Santon Downham, Suffolk, 1 male, 15.viii.1970, Hutson *et al.* leg. [paratype of *Corynoptera curvispinosa*] (BMNH). The Oaks, Cambridgeshire, 2 males, ix.1998, C.W. Plant leg. (PPCM). Trawsfynydd, Gwynedd, 1 male, 14.x.1988, Holmes, Boyce & Reed leg. (PPWM). Wicken Fen, Cambridgeshire, 2 males, 12.v.1990, Withers leg. (PPWM). Wychwood, Oxfordshire, 1 male, v.1937, Edwards leg. [holotype of *Corynoptera curvispinosa*] (BMNH). Wytham Woods, Wytham, Oxfordshire, 2 males, 21.viii.2002, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved woodland; wooded bank of river; wetlands including fens, water meadows, raised bog, reed beds and *Cladium* beds with tufa; old hedges; gardens. iv–x.

CORYNOPTERA DENTATA

(BUKOWSKI & LENGERSDORF, 1936)

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 3 males, 14.vi.–5.viii.1996, Ismay leg. (PPCM). Epping Thicks, Epping Forest, Essex, 1 male, vi.1999, Dagley leg. (PPCM). Lackham Park, Wiltshire, 1 male, 2.vii.2002, Chandler leg. (PPCM). Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM).

Ecological notes: found in ancient beech and other broad-leaved woodland. vi–viii.

CORYNOPTERA FLAVICAUDA (ZETTERSTEDT, 1855)

Literature: Edwards (1925a): 538 [as *Sciara*]; Edwards (1938): 201 [as *Sciara (Neosciara)*]; Freeman (1983b): 28; Menzel (1998): 21; Chandler *et al.* (2002): 123.

Material examined: Annahala bog, Gearagh, Cork, 2 males, 22.iii.1990; 1 male, 7.iv.1990; 6 males, 1.vi.1990, all de Courcy Williams leg. (DEI, NMID). Alconbury, Cambridgeshire, 3 males, 4.v.1989, J.H.

- Cole leg. (PJCB). Aldermoor, Berkshire, 1 male, 14.v.1994; 1 male, 11.vi.1994, all Chandler leg. (PPCM). Ashridge Estate, Hertfordshire, 2 males, 20.v.1999, Chandler leg. (NMS). Aston Rowant, Oxfordshire, 2 males, 1 female, 24.vi.1972, Chandler leg. (PPCM). Badger Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (NMS). Bagley Wood, Oxfordshire, 8 males, 20.v.–21.v.1933; 1 male, 8.v.1936; 1 male, 18.v.1936, all Edwards leg. (BMNH). Ballykeeffe Wood, Kilkenny, 1 male, 25.vi.1987, Chandler leg. (PPCM). Bayfordbury Estate, Hertford, Hertfordshire, 1 male, 22.iv.1975, J.H. Cole leg. (PJCB). Bedford Purlieus, Cambridgeshire, 2 males, 23.vi.1975, J.H. Cole leg. (PJCB). Bishop's Stortford, Hertfordshire, 1 male, iv.1994, C.W. Plant leg. (PPCM). Bix Bottom, Oxfordshire, 2 males, 9.v.1998, Chandler leg. (NMS). Bradfield Wood, Suffolk, 1 male, 23.v.–30.v.1991, Laurence leg. (PBLN). Brampton Wood, Cambridgeshire, 1 male, 23.v.1967; 1 male, 25.v.1987; 2 males, 13.v.1989, all J.H. Cole leg. (PJCB). Brandyquoy, Kirkwall, Orkney, 12 males, v.–vi.2001, Laurence leg. (PBLN). Buckingham Thick Copse, Northamptonshire, 1 male, 9.vi.1992, Warne leg. (PPCM). California Country Park, Berkshire, 1 male, 2.vi.1996, Chandler leg. (PPCM). Castlecomer, Kilkenny, 2 males, 25.vi.1987, Chandler leg. (NMS). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Edwards leg. (BMNH). Charleville Wood, Offaly, 9 males, 15.vi.1985, Chandler leg. (PPWM). Chedworth, Gloucestershire, 1 male, 5.vi.1936, Edwards leg. (BMNH). Cliveden, Buckinghamshire, 1 male, 3.vii.1984, Chandler leg. (PPCM). Coombe, Cornwall, 1 male, 16.vi.1989, Chandler leg. (NMS). Cop Mere, Staffordshire, 1 male, 23.v.1994, Chandler leg. (PPCM). Cothill, Oxfordshire, 1 male, 20.v.1936, Edwards leg. (BMNH); 1 male, 14.vi.1986, Chandler leg. (PPCM). Crawfordsburn Country Park, Down, 1 male, 2.vii.1987, Chandler leg. (NMS). Crickhowell, Powys, 1 male, v.1937, Edwards leg. (BMNH). Dickleburgh, Norfolk, 3 males, 4.vi.–18.vi.1989, Withers leg. (PPWM). Dingwall, Highland Region, 1 male, 18.vi.1976, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 4 males, 25.iv.–13.vi.1993; 2 males, 2.v.–12.vi.1994; 1 male, 6.viii.1994, all Chandler leg. (PPCM). Duncombe Park, North Yorkshire, 1 male, 16.vii.1996, Chandler leg. (PPCM). East Grinstead, West Sussex, 1 male, no date, Stubbs leg. (PPCM). East Trewent Wood, Pembrokeshire, 3 males, 12.vii.1986, Chandler leg. (PPCM). Epping Forest, Essex, 1 male, 25.v.1999, Chandler leg. (PPCM). Farningham Wood, Kent, 2 males, 18.v.1974, Stubbs leg. (PPCM). Forge Valley, North Yorkshire, 1 male, 18.vii.1996, Chandler leg. (PPCM). Fowl Mere, Norfolk, 2 males, vi.1939, Edwards leg. (BMNH). Gait Barrows, Cumbria, 1 male, 25.v.1994, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 7.vi.1990, de Courcy Williams leg. (DEI); 1 male, 9.vii.1990, Withers leg. (PPWM). Glen Coiltie, Highland Region, 1 male, 23.vi.1999; 1 male, 28.v.2002, all Chandler leg. (PPCM). Golden Park, Devon, 1 male, 16.vi.1989, Chandler leg. (NMS). Hambleden Great Wood, Buckinghamshire, 1 male, 15.v.1997, Chandler leg. (PPCM). Hartslock, Oxfordshire, 2 males, 10.v.–14.v.2000; 1 male, 14.v.2000, all Raper leg. (HRI, PDGB). Hawaby, River Rye, North Yorkshire, 1 male, 19.vii.1996, Perry leg. (NMS). Hayley Wood, Cambridgeshire, 1 male, 31.v.1975, J.H. Cole leg. (PJCB). Hobb's Quarry, Gloucestershire, 1 male, 15.v.2003, Gibbs leg. (PDGB). Ivy Thorn Hill, Somerset, 1 male, 4.v.2001; 1 male, 20.vi.2001, all Gibbs leg. (PDGB). Knocksink Wood, Wicklow, 1 male, 17.vi.1985, Chandler leg. (PPWM). Lancaut Nature Reserve, Gloucestershire, 1 male, 28.v.2003, Gibbs leg. (PDGB). Leckford Estate, Hampshire, 1 male, 18.vii.1972, Chandler leg. (PPCM). Letchworth, Hertfordshire, 1 male, v.1917; 6 males, vi.1917; 1 male, v.1918, all Edwards leg. (BMNH). Loxley Wood, Somerset, 1 male, 5.vii.1985, Chandler leg. (PPCM). Loynton Moss, Staffordshire, 1 male, 23.v.1994, Chandler leg. (PPCM). Monk Wood, Avon, 2 males, 24.v.2000, Gibbs leg. (PDGB). Monkfield Wood, Cambridgeshire, 2 males, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). New Malden, Greater London, 2 males, 18.vi.1932, Coe leg. (BMNH). Oakland Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (NMS). Old Buckenham Fen, Norfolk, 2 males, 9.vi.1990, Chandler leg. (NMS). Purn Hill, Avon, 1 male, 24.v.2001, Gibbs leg. (PDGB). Radwell, Hertfordshire, 1 male, v.1918, Edwards leg. (ZFMK). Reelig Glen, Moniac, Highland Region, 1 male, 23.vii.1999, Chandler leg. (NMS). Rewell Wood, West Sussex, 1 male, 10.vi.1979, Chandler leg. (PPCM). Rosevear, Cornwall, 1 male, 6.vii.1983, Chandler leg. (NMS). Rousdon, Devon, 1 male, 8.vi.1937, Edwards leg. (BMNH). Runnymede, Surrey, 1 male, 8.vii.1973, Chandler leg. (PPCM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 29.v.2003, Ismay & Schulten leg. (UMO). Selborne Hanger, Hampshire, 1 male, 12.vi.1979, Chandler leg. (PPCM). Selsdon, Greater London, 2 males, 6.vi.1938, Coe leg. (BMNH). Sharpenhoe, Bedfordshire, 1 male, 16.vi.1997, Chandler leg. (PPCM). Sheep Leas, West Horsley, Surrey, 2 males, 1 female, 21.v.1966; 2 males, 18.v.1991; 2 males, 16.vi.1991; all Chandler leg. (NMS, PPCM). Shortwood, Gloucestershire, 1 male, 12.vi.2003, Gibbs leg. (PDGB). Sowley Pond, New Forest, Hampshire, 1 male, 22.v.1936, Edwards leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 5.vi.–13.vi.1989, Laurence leg. (PBLN). The Moors, Bishop's Waltham, Hampshire, 1 male, 13.x.1989, M.N. Pugh leg. (PPCM). Tickenham Hill, Avon, 1 male, 30.v.2001, Gibbs leg. (PDGB). Trefeiddan Moor, Pembrokeshire, 1 male, 21.vii.1987, Holmes, Boyce & Reed leg. (PPWM).

Ufton Bridge, Warwickshire, 2 males, 9.vi.1991, Chandler leg. (NMS, PPCM). Virginia Woods, Cavan. 1 male, 21.v.1989, J.P. O'Connor leg. (NMID). Weem Castle Woods, Perth & Kinross, 1 male, 23.vi.1990, Chandler leg. (NMS). West Walk, Hampshire, 1 male, 6.vi.1998, Chandler leg. (NMS). Wicken Fen, Cambridgeshire, 1 male, 12.v.1990, Withers leg. (PPWM). Winmarleigh Moss, Lancashire, 1 male, 14.vi.1999, Chandler leg. (NMS). Wistow Wood, Warboys, Cambridgeshire, 2 males, 4.v.1975, J.H. Cole leg. (PJCB). Wychwood, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH).

Ecological notes: very common in broad-leaved, mixed and carr woodland; partly wooded heathland; wetlands including fen, water meadows and basin mire with *Menyanthes* bog; gravel pits; ditch along meadow hedge; old hedges; disused railway cutting; garden; common on unimproved calcareous grassland. iv–viii, x.

**CORYNOPTERA FLAVOSIGNATA MENZEL & HELLER
SP. NOV.**

New to British list.

Material examined: Badger Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. [paratype of *Corynoptera flavosignata*] (PPCM). Bradfield Wood, Suffolk, 2 males, 6.vii.–11.vii.1990, Laurence leg. [paratypes of *Corynoptera flavosignata*] (PBLN). Castle Eden Dene, Durham, 1 male, 26.vi.1992, Chandler leg. [paratype of *Corynoptera flavosignata*] (PPCM). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Edwards leg. (BMNH). Coombe Abbey Country Park, Coventry, Warwickshire, 1 female, 28.viii.2003, Menzel leg. [paratype of *Corynoptera flavosignata*] (DEI). Lackham Wood, Wiltshire, 1 male, 2.v.2002, Chandler leg. [paratype of *Corynoptera flavosignata*] (PPCM). Letchworth, Hertfordshire, 1 male, v.1918, Edwards leg. (BMNH). Little Wittenham Wood, Oxfordshire, 1 male, 3.vii.1985, Chandler leg. [paratype of *Corynoptera flavosignata*] (PPCM). Monkfield Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. [paratype of *Corynoptera flavosignata*] (PPCM). Mortimer's Meadow, Dinton Pastures Country Park, Berkshire, 2 males, 26.vi.1993, Chandler leg. [paratypes of *Corynoptera flavosignata*] (PPCM). Newbold Comyn Park, Leamington Spa, Warwickshire, 1 male, 15.vii.2001, J.E. Smith leg. [paratype of *Corynoptera flavosignata*] (HRI). Pawlett Levels, Somerset, 1 male, 13.ix.1999, Gibbs leg. [paratype of *Corynoptera flavosignata*] (PDGB). Sandford Copse, Dinton Pastures Country Park, Berkshire, 2 males, 3.vii.1994, Chandler leg. [paratypes of *Corynoptera flavosignata*] (PPCM). Searles Farm, Reading, Berkshire, 4 males, 2 females, 26.vi.2003; 2 males, 1 female, 22.vii.2003, all

Chandler leg. [paratypes of *Corynoptera flavosignata*] (HRI, PPCM). Theale, Berkshire, 10 males, 7.vii.2003, Chandler leg. [paratypes of *Corynoptera flavosignata*] (HRI, PPCM).

Ecological notes: found in broad-leaved and carr woodland; young mixed woodland; wooded river bank; grazing marshes; water meadows; gravel pits; old hedges. v–ix.

CORYNOPTERA FORCIPATA (WINNERTZ, 1867)

Synonyms: *echinocordyla* Laurence, 1994; *involuta* (Frey, 1948).

Literature: Freeman (1983b): 28; Laurence (1994): 109 and 118 [as *Corynoptera echinocordyla* and *Corynoptera forcipata*]; Menzel (1998): 21; Menzel & Mohrig (2000): 247; Chandler (2001): 201.

Material examined: Ashwell Grove, Gloucestershire, 1 male, 13.x.1979, Chandler leg. (PPCM). Badger Wood, Cambridgeshire, 3 males, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). Bagley Wood, Oxfordshire, 1 male, 20.v.–21.v.1933, Edwards leg. (BMNH). Bagpiper's Tump, West Wood, Herefordshire, 2 males, 10.x.1998, Chandler leg. (NMS). Baldock, Hertfordshire, 8 males, ix.–x.1917, Edwards leg. (BMNH, ZFMK). Beaulieu River, Hampshire, 1 male, 22.v.1936, Edwards leg. (BMNH). Belladrum Burn, Highland Region, 1 male, 19.vii.1991, Chandler leg. (NMS). Blackgang, Isle of Wight, 1 male, 25.iv.1975, Jarzembowski leg. (BMNH). Bradfield Wood, Suffolk, 1 male, 11.vii.–16.vii.1990, Laurence leg. [paratype of *Corynoptera echinocordyla*] (PBLN). Brancaster, Norfolk, 3 males, 2.ix.1988, Laurence leg. (PBLN); 32 males, 16.ix.–28.x.1988; 7 males, 28.x.1988, all Foster & Procter leg. [not 40 males; holotype and paratypes of *Corynoptera echinocordyla*] (DEI, PBLN). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 4 females, 12.x.2001, J.E. Smith leg. (HRI); 15 males, 1 female, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Bucklebury Common, Berkshire, 1 male, 30.viii.1983, Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 4 males, 10.v.–27.v.1995; 1 male, 13.ix.–26.ix.1996, all Ismay leg. (HRI, PPCM); 1 male, 20.iv.1998, Chandler leg. (PPCM). Castlecomer, Kilkenny, 1 male, 25.vi.1987, Chandler leg. (PPCM). Castlefreke, Cork, 1 male, 12.v.1989, Withers leg. (PPWM). Charleville Wood, Offaly, 2 males, 27.v.1984, Chandler leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 2 females, 20.v.2002; 2 males, 23.v.–27.v.2002; 1 male, 3 females, 27.v.2002; 1 male, 28.vi.2002; 3 males, 1 female, 15.ix.2002; 2 males, 2 females, 23.ix.2002; 1 male, 1 female, 26.ix.2002; 2 males, 8.x.2002; 9 males, 4 females, 16.x.2002, all Ismay & Schulten leg. (DEI, UMO). Coombe Abbey Country Park, Coventry, War-

wickshire, 29 males, 4 females, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Cothill, Oxfordshire, 15 males, 26.v.1936, Edwards leg. (BMNH). Crickhowell, Powys, 5 males, 1.x.1936; 3 males, v.1937, all Edwards leg. (BMNH). Daneway, Gloucestershire, 1 male, 12.x.1979, Chandler leg. (PPCM). Dickleburgh, Norfolk, 1 male, 4.vi.–18.vi.1989, Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 7.x.1999, Chandler leg. (PPCM). Epping Forest, Essex, 2 males, 24.v.–25.v.1999, Chandler leg. (NMS); 3 males, v.1999, Dagley leg. (PPCM). Falls of Tarnash, Moray, 1 male, 1.vii.1936; 3 males, 9.vii.1936, all Coe leg. (BMNH). Forge Valley, North Yorkshire, 1 male, 13.x.1990, Chandler leg. (NMS). Gearagh, Cork, 2 males, 11.v.1990; 2 males, 1 female, 10.x.1990, all de Courcy Williams leg. (DEI, NMID). Glencar Waterfall, Sligo, 1 male, 15.v.1970, Chandler leg. (NMS). Hafod Garregog, Gwynedd, 1 male, 26.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Haugh Wood, Herefordshire, 1 male, 12.x.1998, Chandler leg. (NMS). Headington Wick, Oxfordshire, 1 male, 13.vi.1910, Hamm leg. (UMO). Hickling, Norfolk, 1 male, v.1989, Foster & Procter leg. (PBLN). Holme Fen, Cambridgeshire, 1 male, 27.v.1987, J.H. Cole leg. (PJCB). Illtyd Pools, Powys, 1 male, 11.x.1989, Chandler leg. (PPWM). Jeffrey Bog, North Yorkshire, 1 male, 14.vii.1997, Chandler leg. (PPCM). Kennack Cove, Cornwall, 2 males, 4.ix.1983, Chandler leg. (NMS). Killaun Bog, Offaly, 6 males, ix.2000, Withers leg. (PPWM). Lady's Wood, Cambridgeshire, 1 male, 3.v.1989, J.H. Cole leg. (PJCB). Lancut Nature Reserve, Gloucestershire, 1 male, 5.ix.2002, Gibbs leg. (PDGB). Loch Park, Moray, 2 males, 3.vii.1936; 3 males, 12.viii.–14.viii.1937, all Coe leg. (BMNH). Lopham Fen, Norfolk, 3 males, 20.v.1990, Withers leg. (PPWM). Malham Tarn, North Yorkshire, 1 male, 27.viii.–30.viii.1981; 1 male, 11.ix.–18.ix.1981; 2 males, 26.vi.–28.vi.1982, all Disney leg. (BMNH, PPWM). Monk Fryston, North Yorkshire, 1 male, 7.vi.1988, Chandler leg. (PPCM). Monk's Wood, Cambridgeshire, 1 male, 18.vi.1978; 1 male, 12.vi.1982, all J.H. Cole leg. (PJCB). Muckcross House, Kerry, 1 male, 5.v.1981, Chandler leg. (PPCM). Mulgrave Wood, North Yorkshire, 1 male, 23.viii.–3.ix.1937, Edwards leg. (BMNH). Murrrough, Wicklow, 4 males, 8.v.1989; 2 males, 23.v.1989, all Withers leg. (PPWM). New Close Wood, Brandon, Warwickshire, 2 males, 28.viii.2003, Menzel leg. (DEI). Newbridge Fen, Kildare, 5 males, 8.viii.–19.viii.1998, Good leg. (PPWM). Randwick, Gloucestershire, 1 male, 11.x.1979, McLean leg. (NMS). Ross Island, Killarney, Kerry, 1 male, 7.v.1981, Chandler leg. (PPCM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 13 males, 1 female, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). The Flits, Herefordshire, 1 male, 11.x.1998, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 2 males, 18.vi.1987; 2 males, 15.ix.1987, all

Laurence leg. [paratypes of *Corynoptera echinocordyla*] (DEI, PBLN). Thompson Common, Norfolk, 1 male, 13.ix.–27.ix.1988, Foster & Procter leg. [paratypes of *Corynoptera echinocordyla*] (PBLN). Tickenham Hill, Avon, 1 male, 30.v.2001, Gibbs leg. (PDGB). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 8 males, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Tuddenham Fen, Suffolk, 1 male, 20.x.1990, Chandler leg. (NMS). Weston, Hertfordshire, 1 male, 4.x.1931, Edwards leg. (BMNH). Weston Big Wood, Avon, 1 male, 1.ix.2001, Gibbs leg. (PDGB). Weston Common, Hampshire, 1 male, 10.v.1984, Chandler leg. (NMS). Weston Green Fen, Oxfordshire, 2 males, 1.vi.1991, Chandler leg. (NMS, PPCM). Wheatfen Broad, Norfolk, 1 male, 1.ix.1986; 1 male, 19.v.1990, all Withers leg. (PPWM). Windsor Forest, Berkshire, 1 male, 8.vi.1979; 3 males, 6.ix.1986; 1 male, 15.v.1988; 2 males, 22.v.1988; 2 males, 15.v.1994; 1 male, 23.vii.1999, all Chandler leg. (NMS, PPCM, PPWM). Wistow Wood, Warboys, Cambridgeshire, 1 male, 4.v.1975, J.H. Cole leg. (PJCB). Witherslack, Cumbria, 1 male, 13.vi.1977, Chandler leg. (NMS). Witley Common, Surrey, 1 male, 16.v.1992, Chandler leg. (PPCM). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH); 2 males, 4.vi.1977, J.H. Cole leg. (PJCB). Wychwood, Oxfordshire, 5 males, ix.–x.1917, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 78 males, 4 females, 21.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). No locality details, England, 1 male, no date, Laurence leg. (PBLN).

Ecological notes: very common in broad-leaved, mixed and carr woodland; wet and dry heathland; wetlands including water meadows, fens, bogs, basin mires, sedge beds and *Cladium* beds with tufa; former gravel workings; grassland with pingo pools; old hedges; gardens; around rotten fallen tree trunk; coastal landslip. iv–x.

CORYNOPTERA FRITZI MOHRIG & RULIK, 2001

New to British list.

Material examined: Bolt Wood, Stockerston, Leicestershire, 1 male, 1 female, 24.viii.2003, J.E. Smith leg. (HRI). Coombe Abbey Country Park, Coventry, Warwickshire, 2 males, 2 females, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Kelham Bridge, Ravenstone, Leicestershire, 2 males, 24.viii.2003, Menzel leg. (DEI). Ryton Wood, Bubbenhall, Coventry, West Midlands, 6 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI).

Ecological notes: found in broad-leaved woodland; wet meadow with reed beds around pools. viii.

CORYNOPTERA FURCATA (HIPPA & VILKAMAA, 1994)

Literature: Freeman (1983b): 29 [as *Corynoptera parvula*, misidentification]; Menzel (1998): 21.

Material examined: Becky Woods, Manaton, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Edwards leg. (BMNH). Lakenheath, Suffolk, 1 male, 30.viii.–13.ix.1988, Foster & Procter leg. (PBLN). Letchworth, Hertfordshire, 1 male, vi.1917, Edwards leg. [paratype of *Camptochaeta furcata*] (BMNH). Tarradale House, Highland Region, 1 male, vs. 2002, Sumner leg. (PPCM). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: found in broad-leaved woodland including wet woodland on granite with alder and birch; damp meadow. v–ix.

CORYNOPTERA FURCIFERA MOHRIG & MAMAEV, 1987

Synonym: *vitella* Rudzinski & Drissner, 1992.

New to British list.

Material examined: Badger Wood, Cambridgeshire, 1 male, vii.1998, C.W. Plant leg. (PPCM). Becky Woods, Manaton, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Boundless Copse, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Brancaster, Norfolk, 2 males, 17.vi.–1.vii.1988; 1 male, 1.vii.–15.vii.1988, all Foster & Procter leg. (PBLN). Burnham Beeches, Buckinghamshire, 1 male, 26.vi.1993, Chandler leg. (PPCM); 4 males, 2 females, 28.v.–5.viii.1996; 1 male, 1.vi.–8.vi.1999; 3 males, no date, all Ismay leg. (HRI, PPCM). Canonteign Falls, Devon, 5 males, 23.vi.2002, J.E. Smith leg. (HRI). Castell Cogan, Carmarthen, 1 male, 10.vii.1986, Chandler leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 11.vi.2002, Ismay & Schulten leg. (DEI). Den of Alyth, Angus, 1 male, 13.vii.1991, Chandler leg. (PPCM). Devichoy Wood, Cornwall, 1 male, no date, Chandler leg. (PPCM). Epping Forest, Essex, 4 males, vi.1999, Dagle leg. (PPCM). Glan y Wern, Gwynedd, 1 male, 13.vii.1976, J.H. Cole leg. (PJCB). Glencoe, Highland Region, 2 males, 13.vi.1976, Chandler leg. (PPCM). Hickling, Norfolk, 1 male, v.1988, Foster & Procter leg. (PBLN). Lackham Park, Wiltshire, 1 male, 2.vii.2002, Chandler leg. (PPCM). Lancut Nature Reserve, Gloucestershire, 1 male, 28.v.2003, Gibbs leg. (PDGB). Leckford Estate, Hampshire, 1 male, 25.vii.1998, Chandler leg. (PPCM). Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Scadbury Park, Greater London, 1 male, 18.vi.1983, Chandler leg. (PPCM). Sedlescombe, East Sussex, 1 male, 29.vi.2002, Roper leg. (PPRS). Sheep Leas, West Horsley, Surrey, 1 male, 29.vii.1991, Chandler leg. (PPCM). Sned Wood, Lower Lye, Herefordshire, 5 males,

14.vii.2003, J.E. Smith leg. (HRI). The Coombe, Buckinghamshire, 1 male, 17.vi.1997, Chandler leg. (PPCM). Windermere, Cumbria, 1 male, vi.1924, Edwards leg. (BMNH). Windsor Forest, Berkshire, 1 male, 15.v.1994, Chandler leg. (PPCM).

Ecological notes: very common in broad-leaved and carr woodland; mixed woodland and conifer plantation with broad-leaved fringe; heathland (heather) with oak and holly; wetlands including water meadows and sedge beds; calcareous grassland. v–vii.

CORYNOPTERA GLOBIFORMIS (FREY, 1945)

Synonyms: *globula* Freeman, 1983; *paraglobula* Rudzinski, 1988.

Literature: Freeman (1983a): 165; Freeman (1983b): 28; Laurence (1997a): 85 [all as *Corynoptera globula*]; Menzel (1998): 21; Chandler (2001): 201; Withers (2002): 114.

Material examined: Badger Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). Balmoral Forest, Aberdeenshire, 2 males, 19.vii.–30.vii.1938, Coe leg. (BMNH). Berwick-upon-Tweed, Northumberland, 1 male, viii.1999, Laurence leg. (PBLN). Birks of Aberfeldy, Perth & Kinross, 1 male, 30.viii.1987, Chandler leg. (PPCM). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Bradfield Wood, Suffolk, 6 males, 9.x.–16.x.1990, Laurence leg. (PBLN). Buckingham Palace Garden, Greater London, 1 male, 20.x.–20.xi.1995; 2 males, 5.ix.–21.x.1996, all D.J. Carter & C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 10.v.–23.v.1995; 1 male, 15.ix.–4.x.1995; 14 males, 5.viii.–26.xi.1996, all Ismay leg. (PPCM). Cadair Idris, Gwynedd, 1 male, 16.viii.1993; 1 male, 4.ix.1993, all Laurence leg. (PBLN). Chigwell Row Wood, Chigwell Row, Essex, 3 males, 16.x.2002, Ismay & Schulten leg. (DEI, UMO). Clapham, North Yorkshire, 1 male, viii.1981, Disney leg. (PPWM). Cock Marsh, Berkshire, 1 male, 25.viii.1999, Chandler leg. (PPCM). Convil Braes, Moray, 1 male, no date, Coe leg. (BMNH). Cors Erddreiniog, Isle of Anglesey, 1 male, 6.x.1988, Holmes, Boyce & Reed leg. (PPWM). Crowborough, East Sussex, 1 male, 13.ix.1916, Jenkinson leg. [paratype of *Corynoptera globula*] (BMNH). Eday, Orkney, 1 male, 1.vi.–6.vi.1988, Laurence leg. (PBLN). Farnborough Park, Warwickshire, 1 male, 10.x.2001, Chandler leg. (HRI). Glen of Drumloch, Moray, 3 males, 16.viii.1937, Coe leg. (BMNH). Goathland, North Yorkshire, 2 males, 5.ix.1937, Edwards leg. [paratypes of *Corynoptera globula*] (BMNH). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 4 males, 25.viii.2002, Menzel leg. (DEI). Highgate Wood, Greater London, 2 males, 1998–99, Hackett leg.

(PPCM). Hole of Horcum, North Yorkshire, 4 males, 31.viii.1937, Edwards leg. [including holotype and paratype of *Corynoptera globula*] (BMNH). Horsell Common, Surrey, 2 males, 6.ix.1999, Chandler leg. (PPCM). Kergord, Shetland, 3 males, 26.viii.–28.viii.1996, Laurence leg. (PBLN). Killaun Bog, Offaly, 2 males, ix.2000, Withers leg. (PPWM). Letchworth, Hertfordshire, 1 male, vi.1917, Edwards leg. (BMNH). Loch an Eilein, Highland Region, 1 male, 18.viii.1986, Chandler leg. (NMS). Loch Park, Moray, 5 males, 12.viii.–14.viii.1937, Coe leg. (BMNH). Logie, Moray, 1 male, 28.viii.–26.ix.1909, Jenkinson leg. [paratype of *Corynoptera globula*] (BMNH). Long Spinney, Moreton-in-Marsh, Warwickshire, 3 females, 11.x.2001, J.E. Smith leg. (HRI). Malham Tarn, North Yorkshire, 1 male, 18.viii.–25.viii.1981; 2 males, 11.ix.–14.ix.1981, all Disney leg. (PPWM). Oakley Wood, Bishops Tachbrook, Warwickshire, 1 male, 14.x.2001, Chandler leg. (HRI). Odiham Common, Hampshire, 1 male, 7.vii.1990, Chandler leg. (PPCM). Pentwd Marshes, Ceredigion, 1 male, 6.x.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôs Cilcennin, Ceredigion, 1 male, 24.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Rhôs Rhydd, Ceredigion, 1 male, 11.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Rhôs-goch, Powys, 1 male, 10.x.1989, Holmes, Boyce & Reed leg. (PPWM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 12.x.2001, J.E. Smith leg. (HRI). Skokholm, Pembrokeshire, 1 male, 24.viii.1934, Edwards leg. [paratype of *Corynoptera globula*] (BMNH). The Loke, Norwich, Norfolk, 1 male, 15.ix.1987; 2 males, 18.ix.–20.ix.1988; 1 male, 15.ix.–28.ix.1989; 1 male, 2.v.–6.v.1992; 1 male, 26.vi.–30.vi.1992; 1 male, 29.ix.–3.x.1992; 3 males, 27.viii.–1.ix.1997, all Laurence leg. (PBLN). Thompson Common, Norfolk, 1 male, 13.ix.–27.ix.1988, Foster & Procter leg. (PBLN). Tomintoul, Moray, 1 male, 8.viii.–11.viii.1937, Coe leg. (BMNH). Whichford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 11.x.2001, J.E. Smith leg. (HRI). Wolford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 11.x.2001, J.E. Smith leg. (HRI). Woodwalton Fen, Cambridgeshire, 1 male, vi.1939, Edwards leg. (BMNH).

Ecological notes: very common in broad-leaved, mixed and carr woodland; also found in ancient pine woodland and conifer plantations; heathland; wetlands including fens, basin mires, bogs, water meadows and wooded lake margins; calcareous grassland; gardens; island with seabird colonies; open montane habitats. v–xi.

CORYNOPTERA GROTHAE MOHRIG & MENZEL, 1990

Literature: Menzel (1998): 21.

Material examined: Cadair Idris, Gwynedd, 1 male, 19.vi.1993, Laurence leg. (PBLN). Coombe Abbey

Country Park, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Malham Tarn, North Yorkshire, 1 male, 24.vi.1981, Disney leg. (PPWM). Sned Wood, Lower Lye, Herefordshire, 1 male, 1 female, 14.vii.2003, J.E. Smith leg. (HRI). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: found in broad-leaved woodland; conifer plantation with broad-leaved fringe, bog and lakeshore; river side; open montane habitats. vi–viii.

CORYNOPTERA HEMIACANTHA MOHRIG & MAMAEV, 1992

New to British list.

Material examined: Aviemore, Highland Region, 1 male, 15.vii.1982, Disney leg. (PBLN). Calcot, Berkshire, 1 male, 6.viii.2003, Chandler leg. (PPCM). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Edwards leg. (BMNH). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB). Letchworth, Hertfordshire, 1 male, vi.1917, Edwards leg. (BMNH). Milham Ford School, Oxford, Oxfordshire, 1 male, 20.v.–4.vi.2001; 1 male, 4.vi.–8.vi.2001, all Webb leg. (PPCM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 29.v.2003; 1 male, 30.v.2003; 9 males, 31.v.2003; 2 males, 4.vii.2003, all Ismay & Schulten leg. (DEI, UMO). Sned Wood, Lower Lye, Herefordshire, 1 male, 14.vii.2003, J.E. Smith leg. (HRI).

Ecological notes: found in conifer plantation with broad-leaved fringe; calcareous grassland adjacent to hanger woodland; unimproved calcareous grassland; school grounds with old poplars; river side; floodplain meadow. v–viii.

CORYNOPTERA HYPOPYGIALIS (LENGERSDORF, 1926)

Synonyms: *pachycerca* (Frey, 1948); *piniphila* (Lengersdorf, 1940).

Literature: Menzel (1998): 21.

Material examined: Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Cadair Idris, Gwynedd, 3 males, 19.vi.1993; 4 males, 3.vii.1993; 8 males, 17.vii.1993; 11 males, 1.viii.1993; 5 males, 16.viii.1993, all Laurence leg. (PBLN). Cors Erdreiniog, Isle of Anglesey, 1 male, 6.x.1988, Holmes, Boyce & Reed leg. (PPWM). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Llanllwch, Carmarthen, 1 male, 11.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Loch Callater, Aberdeenshire, 1 male, 22.vii.1938, Coe leg. (BMNH). Luton Airport, Bedfordshire, 1 male, 20.iv.–6.v.1999, C.W. Plant leg. (PPCM). Malham Tarn, North Yorkshire, 1 male, no

date, Disney leg. (PPWM). Natural History Museum, South Kensington, Greater London, 1 male, 13.vi.1924, Edwards leg. (BMNH). Park End, North Yorkshire, 1 male, 22.vi.–25.vi.1981, Disney leg. (PPWM). Waun Isaf, Pembrokeshire, 1 male, 20.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: found on calcareous grassland; damp heathland; wetlands including fens with *Cladium* and *Phragmites* beds and bogs; open montane habitats. iv–x.

CORYNOPTERA INEXSPECTATA TUOMIKOSKI, 1960

New to British list.

Material examined: Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 30.v.2003, Ismay & Schulten leg. (DEI). Sedlescombe, East Sussex, 1 male, xi.1996, Roper leg. (PPRS). Thompson Common, Norfolk, 1 male, 25.v.1986, Withers leg. (PPWM).

Ecological notes: found in unimproved calcareous grassland; grassland with pingo pools; grassland at woodland fringe. v, xi.

CORYNOPTERA INUNDATA FRITZ, 1982

Synonym: *minutula* (Bukowski & Lengersdorf, 1936) [preocc.].

New to British and Irish list.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 24.ix.1990, de Courcy Williams leg. (NMID). Archers Wood, Cambridgeshire, 1 male, 18.iv.1977 (reared); 1 male, 22.iv.1987, all J.H. Cole leg. (PJCB). Cambridge, Cambridgeshire, 1 male, 29.v.1905, Jenkinson leg. (BMNH); 3 males, 2 females, no date, Keilin leg. (BMNH). Cardington, Bedfordshire, 1 male, 8.viii.1919, Edwards leg. (BMNH). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Edwards leg. (BMNH). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 3 females, 8.x.2002, Ismay & Schulten leg. (DEI). Gearagh, Cork, 1 female, 4.iv.1990; 1 male, 9.v.1990; 4 males, 10.vi.1990, all de Courcy Williams leg. (DEI, NMID). Milham Ford School, Oxford, Oxfordshire, 4 males, 2 females, 6.vii.2001 (reared); 1 male, 25.iv.–9.v.2002, all Webb leg. (PPCM). The Coombe, Buckinghamshire, 1 male, 17.vi.1997, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 8.v.1987, Laurence leg. (PBLN). Wemmergill Hall, Durham, 1 male, 25.vi.1983, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved woodland; school grounds with old poplars; heathland (heather, *Juncus*, *Deschampsia*) with ancient and secondary

woodland; bog; garden. Reared from dead wood and rotten log. iv–x.

CORYNOPTERA IRMGARDIS (LENGERSDORF, 1930)

Synonym: *subtilissima* (Frey, 1948).

Literature: Freeman (1983b): 37 [as *Bradysia subtilis*, misidentification]; Freeman (1987): 199; O'Connor & Ashe (1991): 29 [as *Bradysia subtilis*, misidentification]; Laurence (1994): 118 [*Corynoptera irmgardis* and in part as *Bradysia subtilis*, misidentification]; Laurence (1997b): 228 [as *Bradysia subtilis*, misidentification]; Menzel (1998): 21 [as *Corynoptera irmgardis* and in part as *Corynoptera subtilis*]; Withers (2002): 114.

Material examined: Blaen y Wergloedd, Conwy, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Bohernabreena, Dublin, 1 male, 14.vi.1978, Ashe leg. (NMID). Bolt Wood, Stockerston, Leicestershire, 2 males, 4 females, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Braedownie, Angus, 1 male, 24.vii.1937, Coe leg. (BMNH). Brancaster, Norfolk, 3 males, 17.vi.–1.vii.1988; 9 males, 1.vii.–15.vii.1988; 7 males, 2.ix.–16.ix.1988; 11 males, 28.x.1988, all Foster & Procter leg. (PBLN); 10 males, 2.ix.–16.ix.1988; 4 males, 28.x.1988, all Laurence leg. (PBLN). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 1 female, 12.x.2001, J.E. Smith leg. (HRI); 12 males, 5 females, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Bucklebury Common, Berkshire, 1 male, 30.viii.1993, Chandler leg. (PPCM). Charleville Wood, Offaly, 1 male, 15.vi.1985, Chandler leg. (PPWM). Clowes Wood, Warwickshire, 1 male, 19.iv.1987, Withers leg. (PPWM). Coed Tycanol, Pembrokeshire, 4 males, 29.vi.–7.ix.1999, Levey & Pavett leg. (HRI). Colwyn Brook, Powys, 2 males, 18.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Coombe Abbey Country Park, Coventry, Warwickshire, 2 males, 28.viii.2003, Menzel leg. (DEI). Cors Erddreiniog, Isle of Anglesey, 2 males, 6.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Farlais, Carmarthen, 2 males, 13.vii.1989; 1 male, 29.vii.1989, all Holmes, Boyce & Reed leg. (PPWM). Cors Geirch, Gwynedd, 4 males, 15.vii.1988; 3 males, 7.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Goch, Isle of Anglesey, 1 male, 2.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 1 male, 28.vii.1988; 1 male, 13.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Gyfelog, Gwynedd, 1 male, 19.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Penally, Pembrokeshire, 1 male, 22.vii.1987; 1 male, 30.ix.1987, all Holmes, Boyce & Reed leg. (PPWM). Dyffryn Gwaun, Pembrokeshire, 1 male, 28.ix.1987, Holmes, Boyce & Reed leg. (PPWM). East Trewent Wood, Pembrokeshire, 1 male, 12.vii.1986, Chandler leg. (PPCM). Gearagh, Cork, 2 males, 1

female, 9.iii.1990; 3 males, 26.iv.1990; 2 males, 22.v.1990; 1 male, 26.ix.1990, all de Courcy Williams leg. (DEI, NMID). Hafod Garregog, Gwynedd, 1 male, 26.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Hickling, Norfolk, 4 males, x.1988, Foster & Procter leg. (PBLN). How Hill, Norfolk, 1 male, 24.vi.1990, Withers leg. (PPWM). Ickenthaite, Cumbria, 1 male, 18.vi.1999, Chandler leg. (PPCM). Langstone, Monmouthshire, 1 male, 21.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Leebotwood, Shropshire, 1 female, 14.vii.2003, J.E. Smith leg. (HRI). Llangloffan Fen, Pembrokeshire, 1 male, 27.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Llyn Gwynllyn, Powys, 1 male, 9.x.1989, Holmes, Boyce & Reed leg. (PPWM). Loch Park, Moray, 1 male, 12.viii.–14.viii.1937, Coe leg. (BMNH). Low Pasture, Hawaby, North Yorkshire, 1 male, 12.x.1990, Chandler leg. (PPCM). Magor Marsh, Monmouthshire, 1 male, 28.ix.1988, Holmes, Boyce & Reed leg. (PPWM). Mid Yell, Shetland, 1 male, 25.v.1987, Laurence leg. (PBLN). Narborough Bog, Whetstone, Leicestershire, 2 males, 24.viii.2003, J.E. Smith leg. (HRI). New Forest, Hampshire, 1 male, vii.1905, Sharp leg. (BMNH). Oxwich, Swansea/Abertawe, 1 male, 4.x.1989, Holmes, Boyce & Reed leg. (PPWM). Perry West Wood, Cambridgeshire, 2 males, 17.iv.1975, J.H. Cole leg. (PJCB). Pinner, Greater London, 1 male, 14.ix.1912, Edwards leg. (BMNH). Ross Island, Killarney, Kerry, 2 males, 11.vii.1990, Withers leg. (PPWM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 27 males, 7 females, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). St. David's Airfield, Pembrokeshire, 1 male, 12.x.1987, Holmes, Boyce & Reed leg. (PPWM). Sedlescombe, East Sussex, 1 male, 21.ix.1996; 1 male, 19.v.1999, all Roper leg. (PPRS). Sned Wood, Lower Lye, Herefordshire, 2 males, 1 female, 14.vii.2003, J.E. Smith leg. (HRI). Waun Isaf, Pembrokeshire, 1 male, 28.ix.1987, Holmes, Boyce & Reed leg. (PPWM). West Harling Common, Norfolk, 1 male, 17.iv.1987, Withers leg. (PPWM). Wolford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 3 females, 11.x.2001, J.E. Smith leg. (HRI). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 3 males, 21.viii.2002, Menzel leg. (DEI). Yell, Shetland, 1 male, 3.ix.–10.ix.1990, Laurence leg. (PBLN).

Ecological notes: very common in broad-leaved and carr woodland; also found in mixed woodland and conifer plantation; damp and wet heathland; wetlands including water meadows, fens, reed beds, basin mires and bogs; grazed grassland; former gravel workings; vegetation beside reservoir. iii–x.

CORYNOPTERA LEVIS TUOMIKOSKI, 1960

New to British list.

Material examined: Moccas Park, Herefordshire, 1 male, 11.vi.2002, Godfrey leg. (PPCM).

Ecological notes: found in a site comprising broad-leaved woodland and parkland. vi.

CORYNOPTERA LUTEOFUSCA
(BUKOWSKI & LENGERSDORF, 1936)

New to British list.

Material examined: Becky Woods, Manaton, Devon, 4 males, 23.vi.2002, J.E. Smith leg. (HRI). Bolt Wood, Stockerston, Leicestershire, 1 male, 24.viii.2003, J.E. Smith leg. (HRI). Burnham Beeches, Buckinghamshire, 1 male, 23.v.–7.vi.1995, Ismay leg. (HRI). Catacol, Arran, North Ayrshire, 1 male, 29.v.–30.v.1919, Edwards leg. (BMNH). Lochanhully, Highland Region, 1 male, 17.vii.1991, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved woodland; open glen with stream. v–viii.

CORYNOPTERA MACRICULA MOHRIG &
KRIVOSHEINA, 1986

New to British list.

Material examined: Buckingham Palace Garden, Greater London, 2 males, 11.iv.–9.v.1996, D.J. Carter & C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 4 males, 28.v.–14.vi.1996; 2 males, 14.vi.–1.vii.1996; 1 male, 1.vii.–8.vii.1996; 2 males, 8.vii.–22.vii.1996; 12 males, 13.ix.–26.ix.1996; 2 males, 26.ix.–9.x.1996; 6 males, 9.x.–26.xi.1996; 1 male, 14.x.–28.xi.1999, all Ismay leg. (PPCM).

Ecological notes: found in ancient beech and other broad-leaved woodland; formal garden with wooded fringes and lake. iv–vii, ix–xi.

CORYNOPTERA MELANOCHAETA MOHRIG &
MENZEL, 1992

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 22.vii.–5.viii.1996, Ismay leg. (PPCM). Monument Field, Epping Forest, Essex, 1 male, vii.1998, Dagley leg. (PPCM). Thompson Common, Norfolk, 2 males, 13.ix.–29.ix.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in ancient beech and other broad-leaved woodland; grassland with pingo pools. vii–ix.

CORYNOPTERA MEMBRANIGERA (KIEFFER, 1903)

Synonym: trispina Tuomikoski (1960).

Literature: Menzel (1998): 21; Withers (2002): 114.

Material examined: Becky Woods, Manaton, Devon, 2 males, 1 female, 23.vi.2002, J.E. Smith leg. (HRI). Burnham Beeches, Buckinghamshire, 1 male, 22.vii.–5.viii.1996, Ismay leg. (PPCM). Canonteign Falls, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Coed Tycanol, Pembrokeshire, 1 male, 18.vi.–29.vi.1999, Levey & Pavett leg. (PPCM). Craigmore Wood, Aberfoyle, Stirling, 1 male, 21.vi.1999, Chandler leg. (PPCM). Crowborough, East Sussex, 1 male, 14.viii.1906, Jenkinson leg. (BMNH). Gearagh, Cork, 1 male, 9.vii.1990, Withers leg. (PPWM). Loch Park, Moray, 1 male, 3.vii.1936, Coe leg. (BMNH). Sedlescombe, East Sussex, 1 male, 1.vii.1996, Roper leg. (PPRS). Selsdon, Greater London, 1 male, 5.vii.1934, Coe leg. [paratype of *Corynoptera curvispinosa*] (BMNH). Sned Wood, Lower Lye, Herefordshire, 2 males, 1 female, 14.vii.2003, J.E. Smith leg. (HRI).

Ecological notes: found in beech and other broad-leaved woodland; conifer plantation with broad-leaved fringe; grassland at woodland fringe; river side. vi–viii.

CORYNOPTERA MINIMA (MEIGEN, 1818)

Synonyms: brachyptera (Lengersdorf, 1941); *brevipennis* (Walker, 1848).

Literature: Walker (1848): ? 108 and 110; Walker (1856): ? 54 and 56 [all as ? *Sciara minima* and *Sciara brevipennis*]; Edwards (1925a): 543 [as *Peyerimhoffia* (?) *brevipennis*]; Freeman (1983b): 29; Laurence & James (1997): 166 [all as *Corynoptera brevipennis*]; Menzel (1998): 21.

Material examined: Ben Chalum, Stirling, 1 female, 9.vi.–10.vi.1932, Edwards leg. (BMNH). Cadair Idris, Gwynedd, 1 male, 1 female, 3.vii.1963; 1 male, 9 females, 19.vi.1993; 2 males, 2 females, 3.vii.1993; 1 male, 17.vii.1993; 1 female, 16.viii.1993; 5 males, 3.vii.1997, all Laurence leg. (PBLN). Cashlie, Glen Lyon, Perth & Kinross, 5 males, 2 females, 15.vi.1932, Edwards leg. (BMNH). Cleddon Bog, Monmouthshire, 6 females, 24.v.1988; 1 male, 10.vi.1988, all Holmes, Boyce & Reed leg. (PPWM). Glen Lochay, Stirling, 1 male, 3.vi.–18.vi.1932, Edwards leg. (BMNH). Glen Shiel, Highland Region, 1 female, 1.vii.1934, Richards leg. (BMNH). Coed Tycanol, Pembrokeshire, 1 female, 27.vi.–7.ix.1999, Levey & Pavett leg. (PPCM). Cors Barfog, Gwynedd, 1 male, 13.vi.1988; 1 male, 1 female, 25.vii.1988, all Holmes, Boyce & Reed leg. (PPCM, PPWM). Cors Caranod, Ceredigion, 3 males, 27.viii.–2.ix.1985; 2 males, 1.x.1986, all Holmes, Boyce & Reed

leg. (PPCM, PPWM). Hafod Garregog, Gwynedd, 1 female, 30.vi.–14.ix.1999, Levey & Pavett leg. (PPCM). Llanon, Swansea/Abertawe, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Llyn Tyn y Mynydd, Gwynedd, 1 male, 22.vi.1988; 1 male, 20.viii.1988, all Holmes, Boyce & Reed leg. (PPWM). Malham Tarn, North Yorkshire, 1 male, 22.vi.–25.vi.1981, Disney leg. (PPWM). Rhôs Cilcennin, Ceredigion, 1 male, 24.ix.1986; 1 male, 10.x.1986, all Holmes, Boyce & Reed leg. (PPWM). Waun Isaf, Pembrokeshire, 1 male, 6.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Witherslack, Cumbria, 2 males, 20 females, vi.1929, Edwards leg. (BMNH). Ynys Eidiol, Ceredigion, 1 female, 19.vi.1987, Holmes, Boyce & Reed leg. (PPCM). No locality details, England, 1 female, no date, Walker leg. [holotype of *Sciara brevipennis*] (BMNH).

Ecological notes: found in broad-leaved woodland; valley fen and wet heathland; damp heath; *Molinia* bog; *Phragmites* bed; ungrazed basin mire; ungrazed heather; lakeshore; open montane habitats. v–x.

CORYNOPTERA OBSCURIPILA TUOMIKOSKI, 1960

New to British list.

Material examined: Lakenheath, Suffolk, 1 male, 30.viii.–13.ix.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in damp meadow. viii–ix.

CORYNOPTERA PARVULA (WINNERTZ, 1867)

Synonym: uncinata (Hippa & Vilkkamaa, 1994).

Literature: Hippa & Vilkkamaa (1994): 75 [as *Campochaeta uncinata*]; Menzel (1998): 21; Menzel & Mohrig (2000): 242; Chandler (2001): 201; Withers (2002): 114.

Material examined: Berwick-upon-Tweed, Northumberland, 1 male, 24.vi.–27.vi.1996, Laurence leg. (PBLN). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Buckingham Palace Garden, Greater London, 1 male, 18.vii.–13.viii.1997, D.J. Carter & C.W. Plant leg. (PPWM). Castlefreke, Cork, 1 male, 12.v.1989, Withers leg. (PPWM). Epping Forest, Essex, 12 males, v.–viii.1999, Dagley leg. (PPCM). Letchworth, Hertfordshire, 1 male, 26.vi.1926, Edwards leg. (BMNH); 1 male, 2.vii.1934, Edwards leg. [paratype of *Campochaeta uncinata*] (BMNH). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 27.v.2003; 1 male, 3.vii.2003, all Ismay & Schulten leg. (DEI, UMO). The Loke, Norwich, Norfolk, 1 male, 15.v.–18.v.1992, Laurence leg. (PBLN). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. [paratype of *Campochaeta uncinata*] (BMNH).

Ecological notes: found in broad-leaved and carr woodland; fen; unimproved calcareous grassland; gardens. v–ix.

CORYNOPTERA PERPUSILLA WINNERTZ, 1867

Synonyms: *bicornis* (Lengersdorf, 1943); *dubitata* Tuomikoski, 1960.

Literature: Freeman (1983b): 29; Menzel (1998): 21.

New to Irish list.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 25.viii.1990, de Courcy Williams leg. (NMID). Berwick-upon-Tweed, Northumberland, 2 males, v.1999; 1 male, vii.1999, all Laurence leg. (PBLN). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 2 males, 22.viii.2002, Menzel leg. (DEI). Charlbury, Oxfordshire. 1 male, 4.vii.1936, Edwards leg. (BMNH). Colt Park Wood, Marrick, North Yorkshire, 1 male, 27.viii.–30.viii.1981, Disney leg. (PPWM). Crymlyn Bog, Swansea/Abertawe 1 male, 13.vii.1988; 1 male, 5.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Cwm Crafnant, Gwynedd, 1 male, 20.vii.1988; 1 male, 4.viii.1988, all Holmes, Boyce & Reed leg. (PPWM). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 17.ix.1956, Hussey leg. (HRI). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Hickling, Norfolk, 2 males, v.1988, Foster & Procter leg. (PBLN). Lakenheath, Suffolk, 1 male, 30.viii.–13.ix.1988, Foster & Procter leg. (PBLN). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, J.E. Smith leg. (HRI). Leebotwood, Shropshire, 1 male, 14.vii.2003, J.E. Smith leg. (HRI). Letchworth, Hertfordshire, 1 male, vii.1918; 1 male, 25.vi.1923, all Edwards leg. (BMNH). Milham Ford School, Oxford, Oxfordshire, 1 male, 3.v.–5.vi.2002, Webb leg. (PPCM). Parham, West Sussex, 1 male, 13.xi.1957, Speyer leg. (HRI). Sedlescombe, East Sussex, 1 male, 6.iv.1999, Roper leg. (PPRS). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Withers leg. (PPWM). The Loke, Norwich, Norfolk, 1 male, 4.vii.1987; 1 male, 15.vi.–19.vi.1988; 1 male, 7.ix.1989, all Laurence leg. (PBLN). The Oaks, Cambridgeshire, 1 male, ix.1998, C.W. Plant leg. (PPCM). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Wellesbourne, Warwickshire, 1 male, 17.viii.–31.viii.2000; 1 male, 24.v.–27.vi.2001, all J.E. Smith leg. (HRI). Willes Meadow, Leamington Spa, Warwickshire, 1 male, 27.viii.2002, Menzel leg. (DEI). Wolford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 11.x.2001, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved and carr woodland; calcareous grassland adjacent to hanger woodland; damp heathland; wetlands including water meadows, sedge bed and bog; former gravel workings; grassland at woodland fringe; grounds of horticultural research station; school grounds with old poplars; garden. iii–x.

CORYNOPTERA POSTFORCIPATA RUDZINSKI, 1993

New to British list.

Material examined: Sontley Marsh, Wrexham, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found on fen. viii.

CORYNOPTERA POSTGLOBIFORMIS MOHRIG, 1993

New to British list.

Material examined: Balmoral Forest, Aberdeenshire, 1 male, 1.viii.–4.viii.1937, Coe leg. (BMNH). Bradfield Wood, Suffolk, 2 males, 9.x.–16.x.1990, Laurence leg. (PBLN). Burnham Beeches, Buckinghamshire, 1 male, 5.viii.–31.viii.1996, Ismay leg. (PPCM). Cadair Idris, Gwynedd, 1 male, 16.viii.1993, Laurence leg. (PBLN). Coombe Abbey Country Park, Coventry, Warwickshire, 1 female, 28.viii.2003, Menzel leg. (DEI). Cors Erddreiniog, Isle of Anglesey, 1 male, 6.x.1988, Holmes, Boyce & Reed leg. (PPWM). Epping Forest, Essex, 1 male, 17.viii.1998, Chandler leg. (PPCM). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 2 males, 25.viii.2002, Menzel leg. (DEI). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Loch Park, Moray, 1 male, 12.viii.–14.viii.1937, Coe leg. (BMNH). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 4 males, 24.vii.–13.viii.1990, Jessop leg. (PBLN). Moorthwaite, Cumbria, 1 male, 21.viii.1988, no collector detail (PPWM). Rothamsted, Harpenden, Hertfordshire, 1 male, 4.viii.1950, Laurence leg. (PBLN). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). St. Kilda, Western Isles, 1 male, 6.viii.1931, Lack leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 27.viii.–1.ix.1993; 1 male, 28.viii.–1.ix.1993, all Laurence leg. (PBLN). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 3 males, 2 females, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Windsor Forest, Berkshire, 1 male, 5.viii.1995, Brock leg. (PPCM). No locality details, England, 1 male, 16.viii.1950, Freeman leg. (PBLN).

Ecological notes: found in broad-leaved and mixed woodland; conifer plantations; wet meadow with *Juncus*; grassland; grounds of horticultural research station; garden; open montane habitats. vii–x.

CORYNOPTERA PRAEFORCIPATA MOHRIG & MAMAEV, 1987

New to British list.

Material examined: Letchworth, Hertfordshire, 2 males, vi.1917, Edwards leg. (BMNH). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH).

Ecological notes: one locality comprises fen and carr. v–vi.

CORYNOPTERA PRAEPARVULA MOHRIG & KRIVOSHEINA, 1983

New to British list.

Material examined: Letchworth, Hertfordshire, 1 male, v.1918, Edwards leg. (BMNH).

Ecological notes: possibly found in house or garden. v.

CORYNOPTERA RECURVISPINA FREEMAN, 1987

Literature: Freeman (1983a): 164 [in part as *Corynoptera coei*, misidentification]; Freeman (1987): 200; Laurence (1994): 118; Laurence (1997a): 85; Menzel (1998): 21 [as *Corynoptera recurvispina* and *Corynoptera dentiforceps*]; Menzel & Mohrig (2000): 196, 240 and 243 [as *Corynoptera recurvispina*, in part as *Corynoptera dentiforceps* and under *Camptochaeta coei*].

New to Irish list.

Material examined: Alvecote Pools, Staffordshire, 1 male, 3 females, 13.x.2001, J.E. Smith leg. (HRI). Becky Woods, Manaton, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Bradfield Wood, Suffolk, 1 male, 6.vii.–11.vii.1990; 1 male, 23.v.–30.v.1991; 1 male, 16.viii.–22.viii.1991, all Laurence leg. (PBLN). Brampton, Cambridgeshire, 1 male, 23.v.1976, J.H. Cole leg. (PJCB). Brancaster, Norfolk, 1 male, 17.vi.–11.vii.1988; 1 male, 2.ix.–16.ix.1988; 1 male, 16.ix.–8.x.1988, all Foster & Procter leg. (PBLN). Brandon Marsh, Ryton-on-Dunsmore, Coventry, West Midlands, 1 male, 11.x.2001; 15 females, 12.x.2001, all J.E. Smith leg. (HRI); 1 male, 3 females, 25.viii.2002, Menzel leg. (DEI). Burnham Beeches, Buckinghamshire, 1 male, 14.vi.–1.vii.1996; 1 male, 2.vii.–5.viii.1996, all Ismay leg. (PPCM). Catfield, Norfolk, 1 male, 27.ix.–18.x.1988, Foster & Procter leg. (PBLN). Coombe Abbey Country Park, Coventry, Warwickshire, 2 males, 2 females, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Cothill, Oxfordshire, 2 males, 26.v.1936, Edwards leg. [paratypes of *Corynoptera recurvispina*; 1 male also paratype of *Corynoptera coei*] (BMNH). Dickleburgh, Norfolk, 2 males, 28.vii.–

5.viii.1989, Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 30.vii.1994; 1 male, 9.vi.1996, all Chandler leg. (PPCM). Epping Forest, Essex, 1 male, 18.viii.1998, Chandler leg. (PPCM); 3 males, vi.–viii.1999, Dagley leg. (PPCM). Ffrwd Fen, Carmarthen, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM); 1 male, 13.x.1995, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 11.v.1990, de Courcy Williams leg. (NMID). Kingsbury Water Park, Warwickshire, 1 male, 5 females, 13.x.2001, J.E. Smith leg. (HRI). Knebworth, Hertfordshire, 1 male, viii.1936, Edwards leg. [paratype of *Corynoptera recurvispina*] (BMNH). Lackham Park, Wiltshire, 1 male, 20.ix.2002, Chandler leg. (PPCM). Lea Meadows, Newtown Linford, Leicestershire, 19 males, 31 females, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Llyn Ystumllyn, Gwynedd, 2 males, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Lopham Fen, Norfolk, 1 male, 20.v.1990, Withers leg. (PPWM). Malham Tarn, North Yorkshire, 3 males, 24.vi.1982, Disney leg. (PPWM). Narborough Bog, Whetstone, Leicestershire, 3 males, 12 females, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Pant-y-Sais, Neath/Port Talbot, 1 male, 5.x.1989, Holmes, Boyce & Reed leg. (PPWM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 19 males, 4 females, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Sedlescombe, East Sussex, 1 male, 17.v.1997, Roper leg. (PPRS). The Loke, Norwich, Norfolk, 1 male, 29.ix.–3.x.1992, Laurence leg. (PBLN). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 1 male, 1 female, 28.viii.2003, Menzel leg. (DEI). Tuddenham Fen, Suffolk, 2 males, 20.x.1990, Chandler leg. (PPCM, PPWM). Wayland Wood, Norfolk, 1 male, 13.x.2002, Chandler leg. (PPCM). Wemmergill Hall, Durham, 1 male, 25.vi.1981, Chandler leg. (PPCM). West End Common, Esher, Surrey, 1 male, 17.vii.2002, Chandler leg. (PPCM). West Harling Common, Norfolk, 2 males, 20.x.1990, Withers leg. (PPWM). Whichford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 11.x.2001, J.E. Smith leg. (HRI). Whitacre Heath, Warwickshire, 2 males, 4 females, 13.x.2001, J.E. Smith leg. (HRI). Whitnash brook, Sydenham, Leamington Spa, Warwickshire, 1 female, 4.ix.2003, J.E. Smith leg. (HRI). Willes Meadow, Leamington Spa, Warwickshire, 19 males, 6 females, 27.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Woodwalton Fen, Cambridgeshire, 12 males, 24.v.1940; 4 males, 7.vi.1940, all Edwards leg. [holotype and paratypes of *Corynoptera recurvispina*] (BMNH). No locality details, England, 1 male, no date, Laurence leg. (PBLN).

Ecological notes: very common in broad-leaved and coniferous woodland; common in carr woodland; wet heathland; wetlands including water meadows, fens, reed and sedge beds, bogs, river banks and lake

shores; grassland at woodland fringe; old sand and gravel workings; parkland; old hedges; gardens. v–x.

Taxonomic note: The type series of *Corynoptera recurvispina* Freeman comprises 19 males [holotype and 18 paratypes] (Freeman, 1987). The total type material examined was [9 males complete on slides; 10 males pinned – of which 1 male also had a genitalia preparation (no. 121) and 3 males with separately mounted genitalia]. A check on the data shows that only 11 paratypes with the label ‘Hunts., Wood Walton, 24.v.1940, B.M.140–147’ and 2 males with ‘Berks., Cothill, 26.v.1936, B.M.136–336’ are available. This incorrect recording of the type data by Freeman is herein corrected.

All records of *Corynoptera dentiforceps* (Bukowski & Lengersdorf, 1936) from Great Britain to date were incorrectly identified [recte *Corynoptera recurvispina* Freeman, 1987]. The misidentifications are based on Menzel & Mohrig (2000) [in part], on small differences in the base of the genitalia as well as the shape of spines on the inner side of the gonostyles. There is, however, variation within species and a large part of the error is attributed to the preparation of the specimens (deformed and/or angled genitalia). After examination of about 350 specimens from the entire Palaearctic region (including the types of *Corynoptera dentiforceps* and *Corynoptera recurvispina*), it was established that *Corynoptera dentiforceps* was, to date, only known from the Ukraine (holotype from the Crimea), Greece, Portugal and Spain. A redescription with figures of *Corynoptera dentiforceps* with a detailed comparison of species will be produced in another publication.

CORYNOPTERA SACCATA TUOMIKOSKI, 1960

Synonym: *arboris* Fritz, 1982.

Literature: Laurence (1994): 118; Laurence (1997a): 85 [all as *Corynoptera curvispinosa*, misidentification].

New to British list.

Material examined: Berwick-upon-Tweed, Northumberland, 1 male, 24.vi.–27.vi.1996, Laurence leg. (PBLN). Bradfield Wood, Suffolk, 1 male, 11.vii.–16.vii.1990; 1 male, 1 female, 23.v.–30.v.1991; 2 males, 16.viii.1991; 1 female, 16.viii.–22.viii.1991, all Laurence leg. (PBLN). Brandyquoi, Kirkwall, Orkney, 3 males, 28.v.–8.vi.2001; 6 males, v.–vi.2001, all Laurence leg. (PBLN). Burnham Beeches, Buckinghamshire, 1 male, 5.viii.–31.viii.1996, Ismay leg. (PPCM). Charlbury, Oxfordshire, 2 males, 4.vi.1936, Edwards leg. (BMNH). Epping Forest, Essex, 9 males, iv.–x.1999, Dagley leg. (PPCM). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB). Hickling, Norfolk, 1 male, v.1988, Foster & Procter leg. (PBLN). Lock-

haugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 24.vii.–13.viii.1990, Jessop leg. (PBLN). Milham Ford School, Oxford, Oxfordshire, 1 male, 29.v.–5.vi.2002, Webb leg. (PPCM). Monkfield Wood, Cambridgeshire, 1 male, viii.1998, C.W. Plant leg. (PPCM). Narborough Bog, Whetstone, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Sedlescombe, East Sussex, 1 male, 22.viii.1994, Roper leg. (PBLN). The Clappers, Sharpenhoe, Bedfordshire, 1 male, 16.vi.1997, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 15.v.–18.v.1992; 1 male, 18.v.–23.v.1992, all Laurence leg. (PBLN). The Oaks, Cambridgeshire, 1 male, ix.1998, C.W. Plant leg. (PPCM). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 2 males, 28.viii.2003, Menzel leg. (DEI). Wellesbourne, Warwickshire, 1 male, 17.viii.–31.viii.2000, J.E. Smith leg. (HRI). West End Common, Esher, Surrey, 1 male, 17.viii.1982, Chandler leg. (PPCM). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: common in broad-leaved and carr woodland; calcareous grassland adjacent to hanger woodland; grassland at woodland fringe; wet meadow with reed bed on peat; fen; sedge bed; school grounds with old poplars; garden. iv–x.

CORYNOPTERA SAETISTYLA MOHRIG & KRIVOSHEINA, 1985

Synonym: *densisetata* Mohrig & Menzel, 1990.

Literature: Laurence (1994): 108 [as *Corynoptera densisetata*]; Menzel (1998): 21.

New to Irish list.

Material examined: Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 1 male, 22.viii.2002, J.E. Smith leg. (HRI). Cors Erddreiniog, Isle of Anglesey, 3 males, 6.x.1988, Holmes, Boyce & Reed leg. (PPWM). Hickling, Norfolk, 13 males, v.1989, Foster & Procter leg. (DEI, PBLN). Killaun Bog, Offaly, 3 males, ix.2000, Withers leg. (PPWM). Lea Meadows, Newtown Linford, Leicestershire, 3 males, 24.viii.2003, Menzel leg. (DEI). Malham Tarn, North Yorkshire, 3 males, 2.vi.–3.vi.1982; 1 male, 21.vi.–24.vi.1982, all Disney leg. (PBLN, PPWM). Rotherfield Park, Hampshire, 1 male, 2.x.2002, Chandler leg. (PPCM). Spartum Fen, Oxfordshire, 1 male, 15.x.1999, Chandler leg. (PPCM). Wytham Woods, Wytham, Oxfordshire, 2 males, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: found in broad-leaved, mixed and carr woodland; wetlands including water meadows, fens with *Cladium* and *Phragmites* bed; reed and

sedge beds, bogs and lakeshore; former gravel workings. v, viii–x.

CORYNOPTERA SEDULA MOHRIG & KRIVOSHEINA, 1985
Synonym: consumpta (Freeman, 1987).

Literature: Freeman (1987): 202 [as *Bradysia consumpta*]; Menzel (1998): 21; Chandler (2001): 201.

Material examined: Bangor, Gwynedd, 3 males, 1985, Calvert leg. [paratypes of *Bradysia consumpta*] (BMNH). Buckingham Palace Garden, Greater London, 5 males, 27.iii.–27.xi.1999, D.J. Carter & C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 4 males, 14.vi.–9.x.1996, Ismay leg. (PPCM). Canonteign Falls, Devon, 1 male, 22.vi.2001, J.E. Smith leg. (HRI). Cors Penally, Pembrokeshire, 1 male, 30.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Epping Forest, Essex, 5 males, 21.iii.–26.ix.1998, Dagley leg. (PPCM); 1 male, 28.vi.2000, Chandler leg. (PPCM). Harpenden, Hertfordshire, 5 males, 14.viii.1950, Laurence leg. [holotype and paratypes of *Bradysia consumpta*] (BMNH). Llangloffan Fen, Pembrokeshire, 1 male, 23.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Luton Airport, Bedfordshire, 5 males, 20.iv.–6.v.1999, C.W. Plant leg. (HRI, PPCM). Malham Tarn, North Yorkshire, 2 males, 2.vi.–3.vi.1982, Disney leg. (PBLN). Rothamsted, Harpenden, Hertfordshire, 1 male, 16.viii.1950, Laurence leg. (PBLN). Ryton Wood, Bubbenhall, Coventry, West Midlands, 2 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). St. David's Airfield, Pembrokeshire, 2 males, 29.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Salisbury Plain Training Area, Warminster, Wiltshire, 2 males, 31.v.2003, Ismay & Schulten leg. (DEI, UMO). Stanford, Norfolk, 1 male, 27.iii.–10.iv.1988, Collier leg. (PPWM).

Ecological notes: found in ancient broad-leaved woodland; wet heath with *Typha*; grazed fen; unimproved calcareous grassland; grounds of horticultural research station; formal garden with wooded fringes and lake. iii–xi.

CORYNOPTERA SEMISACCATA MOHRIG & MAMAEV, 1987

New to British list.

Material examined: Badger Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998; 1 male, 1.x.1998, all C.W. Plant leg. (PPCM). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB). Milham Ford School, Oxford, Oxfordshire, 1 male, 11.vi.–18.vi.2002, Webb leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 5.vii.1987; 1 male, 23.v.–25.v.1993; 1 male, 27.viii.–1.ix.1993, all Laurence leg. (PBLN).

Ecological notes: found in broad-leaved woodland; ancient woodland with oak, hazel and bramble; calcareous grassland adjacent to hanger woodland; school grounds with old poplars; garden. v–vii.

CORYNOPTERA SETOSA FREEMAN, 1983

Literature: Freeman (1983a): 165; Freeman (1983b): 29; Menzel (1998): 21.

Material examined: Aylesbeare, Devon, 1 male, 25.v.2000, C.W. Plant leg. (PPCM). Clovelly, Devon, 2 males, 8.v.1936, Edwards leg. [holotype and paratype of *Corynoptera setosa*] (BMNH). Cors Caron, Ceredigion, 1 male, 27.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Goch, Isle of Anglesey, 1 male, 18.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cwm Ystwyth, Ceredigion, 1 male, 16.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Savernake Forest, Wiltshire, 1 male, 31.v.1990, Porter leg. (PPCM).

Ecological notes: found in ancient beech and mixed woodland; grazed river fen; *Cladium* bed; watershed mire; raised bog. v–vii.

CORYNOPTERA SPHENOPTERA TUOMIKOSKI, 1960

Literature: Menzel (1998): 21.

Material examined: Newbold Comyn Park, Leamington Spa, Warwickshire, 1 male, 15.vii.2001, J.E. Smith leg. (HRI).

Ecological notes: found in a site comprising young mixed woodland and damp meadow. vii.

CORYNOPTERA SPINIFERA TUOMIKOSKI, 1960

New to British list.

Material examined: Coed Tycanol, Pembrokeshire, 1 male, 29.viii.–7.ix.1999, Levey & Pavett leg. (PPCM).

Ecological notes: found in broad-leaved woodland. viii–ix.

CORYNOPTERA SPOECKERI (LENGERSDORF, 1930)

Synonym: venerata Rudzinski, 1994.

Literature: Menzel & Heller (2005): 352 [*venerata* Rudzinski as synonym to *spoeckeri* (Lengersdorf)].

New to British list.

Material examined: Chigwell Row Wood, Chigwell Row, Essex, 1 male, 23.v.–27.v.2002, Ismay & Schulten leg. (DEI).

Ecological notes: found in ancient woodland with oak, hazel and bramble. v.

Taxonomic note: The identity of *Corynoptera spoeckeri* and *Corynoptera venerata* was only recently brought to light [comparison of types in Menzel & Heller (2005)]. Until now, it was accepted that *Corynoptera spoeckeri* was only known from caves and mines [areas around entrance to deeper regions]. To date, surface finds only exist from England and Germany [Bavaria: beech–spruce mixed woodland in Schöngesing].

CORYNOPTERA SUBDENTATA MOHRIG, 1985

New to British list.

Material examined: Lackham Park, Wiltshire, 1 male, 20.ix.2002; 1 male, 24.x.2002, all Chandler leg. (PPCM).

Ecological notes: found in broad-leaved woodland. ix–x.

CORYNOPTERA SUBFURCIFERA MOHRIG & HÖVEMEYER, 1992

Synonyms: *differa* Rudzinski, 1994.

New to British and Irish list.

Material examined: Bradfield Wood, Suffolk, 1 male, 6.vii.–11.vii.1990, Laurence leg. (PBLN). Ennis, Clare, 1 male, 30.v.1984, J.P. O'Connor leg. (NMID). Falls of Tarnash, Moray, 1 male, 1.vii.1936, Coe leg. (BMNH). Sned Wood, Lower Lye, Herefordshire, 1 male, 14.vii.2003, J.E. Smith leg. (HRI). The Clappers, Sharpenhoe, Bedfordshire, 1 male, 16.vi.1997, Chandler leg. (PPCM).

Ecological notes: found in beech and other broad-leaved woodland; conifer plantation with broad-leaved fringe; river side. v–vii.

CORYNOPTERA SUBPARVULA TUOMIKOSKI, 1960

Literature: Freeman (1983b): 29 [as *Corynoptera parvula*, misidentification]; Hippa & Vilkamaa (1994): 77 [as *Camptochaeta*]; Laurence (1994): 118; Laurence (1997b): 228 [all as *Corynoptera parvula*, misidentification]; Menzel (1998): 21.

Material examined: Bix Bottom, Oxfordshire, 1 male, 6.vii.2002, Chandler leg. (PPCM); 2 males, 23.ix.2000, Raper leg. (PDGB). Castlemartin Corse, Pembrokeshire, 5 males, 14.x.1987, Holmes, Boyce & Reed leg. (PPWM). Epping Forest, Essex, 2 males, ix.2000, Dagley leg. (PPCM). Lackham Park, Wiltshire, 1 male, 5.viii.2002, Chandler leg. (PPCM). Lakenheath, Suffolk, 4 males, 30.viii.–13.ix.1988, Foster & Procter leg. (PBLN). Hemingford, Cambridgeshire, 2 males, ix.1938, Edwards leg. (BMNH). North Ronaldsay, Orkney, 1 male, 3.ix.1989, Laurence leg. (PBLN). Sal-

isbury Plain Training Area, Warminster, Wiltshire, 1 male, v.2003; 2 males, 27.v.2003; 2 males, 29.v.2003; 1 male, 30.v.2003; 4 males, 31.v.2003, all Ismay & Schulten leg. (DEI, UMO). The Loke, Norwich, Norfolk, 1 male, 10.viii.1987; 1 male, 19.vii.1988; 4 males, 15.viii.–16.viii.1988; 4 males, 16.viii.1988; 3 males, 21.viii.–24.viii.1989; 1 male, 18.v.–23.v.1992; 12 males, 27.vii.1992; 6 males, 21.viii.1992; 1 male, 29.ix.–3.x.1992; 2 males, 22.viii.–1.ix.1993; 3 males, 27.v.1997, all Laurence leg. (PBLN). Theale, Berkshire, 2 males, 6.viii.2003, Chandler leg. (PPCM). Welwyn, Hertfordshire, 1 male, 21.vii.–24.vii.1934, Edwards leg. (BMNH). Willes Meadow, Leamington Spa, Warwickshire, 1 male, 27.viii.2002, Menzel leg. (DEI).

Ecological notes: found in broad-leaved and carr woodland; water meadows; by river; unimproved calcareous grassland; near shore; garden. v, vii–x.

CORYNOPTERA SUBTILIS (LENGERSDORF, 1929)

Synonyms: *longicornis* (Bukowski & Lengensdorf, 1936); *signhildae* (Frey, 1948).

Literature: Menzel (1998): 21.

New to British list.

Material examined: Aviemore, Highland Region, 1 male, 9.vii.1982, Disney leg. (PBLN). Brancaster, Norfolk, 4 males, 2.ix.–16.ix.1988; 4 males, 25.x.1988; 2 males, 28.x.1988, all Foster & Procter leg. (PBLN). Cadair Idris, Gwynedd, 1 male, 19.vi.1993; 3 males, 3.vii.1993; 11 males, 4.ix.1993, all Laurence leg. (PBLN). Clowes Wood, Warwickshire, 1 male, 19.iv.1987, Withers leg. (PPWM). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Letchworth, Hertfordshire, 1 male, viii.1917, Edwards leg. (BMNH). Malham Tarn, North Yorkshire, 1 male, 8.v.–11.v.1981, Disney leg. (PPWM).

Ecological notes: found in broad-leaved woodland; sedge bed; bog and lakeshore; raised bog; open montane habitats. iv–x.

Taxonomic note: earlier references in the British literature [as *Bradysia* or *Corynoptera subtilis* in Freeman (1983b: 77), O'Connor & Ashe (1991: 29), Laurence (1994: 118) and Menzel (1998: 21)] referred to *Corynoptera irmgardis* so *Corynoptera subtilis* is correctly recorded here as new to the British list.

CORYNOPTERA TETRACHAETA TUOMIKOSKI, 1960

Literature: Menzel (1998): 21 [as *Corynoptera inexpectata* (recte *inexpectata*), misidentification based on unpublished material by Laurence]; Leigh & Ware (2003): [as *Bradysia albanensis*, misidentification].

New to British list.

Material examined: Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 2 males, 22.viii.2002, Menzel leg. (DEI). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Gibbs leg. (PDGB). Burnham Beeches, Buckinghamshire, 1 male, 14.vi.–1.vii.1996; 1 male, 22.vii.–5.viii.1996; 1 male, 13.ix.–26.ix.1996, all Ismay leg. (PPCM). Cadair Idris, Gwynedd, 3 males, 3.vii.1993; 9 males, 17.vii.1993; 7 males, 1.viii.1993; 3 males, 4.ix.1993, all Laurence leg. (DEI, PBLN). Cors Erddreiniog, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Epping Forest, Essex, 1 male, iv.1999; 1 male, v.1999, all Dagley leg. (PPCM). Highgate Wood, Greater London, 2 males, 1998–99, Hackett leg. (PPCM). Lea Meadows, Newtown Linford, Leicestershire, 4 males, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Natural History Museum, South Kensington, Greater London, 4 males, 9.viii.–23.viii.2002, no collector detail. (BMNH). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Ufton Bridge, Warwickshire, 1 male, 9.vi.1991, Chandler leg. (PPCM). Wytham Woods, Wytham, Oxfordshire, 1 male, 1 female, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: common in broad-leaved and carr woodland; wetlands including water meadow, fen with *Cladium* and *Phragmites* bed; former gravel workings; calcareous grassland; wildlife gardens; disused railway cutting; open montane habitats. iv–ix.

CORYNOPTERA TREPIDA (WINNERTZ, 1867)

Synonyms: *clinochaeta* Tuomikoski, 1960; *subflava* (Lengersdorf, 1941).

Literature: Laurence (1994): 118 [in part as *Bradysia subtilis*, misidentification]; Menzel (1998): 21.

Material examined: Becky Woods, Manaton, Devon, 2 males, 2 females, 23.vi.2002, J.E. Smith leg. (HRI). Blelham Bog, Cumbria, 1 male, 17.vi.1989, Chandler leg. (PPCM). Bolt Wood, Stockerston, Leicestershire, 5 males, 4 females, 24.viii.2003, Menzel leg. (DEI). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 6 males, 13 females, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Brownsham, Devon, 1 male, 18.vii.2001, Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 7 males, 8.vii.–9.x.1996, Ismay leg. (PPCM); 1 male, 4.x.1999, Chandler leg. (PPCM). Cadair Idris, Gwynedd, 6 males, 19.vi.1993; 9 males, 3.vii.1993; 1 male, 1.viii.1993; 6 males, 4.ix.1993; 2 males, 22.x.1993; 1 male, 13.xi.1993, all Laurence leg. (PBLN). Canonteign Falls, Devon, 4 males, 3 females, 22.vi.2002, J.E. Smith leg. (HRI). Catfield, Norfolk, 3 males, 13.xii.–29.ii.1989, Foster & Procter leg. (PBLN). Chigwell Row Wood, Chigwell Row, Essex, 1

female, 28.vi.2002; 1 male, 23.ix.2002, all Ismay & Schulten leg. (DEI). Coed Tycanol, Pembrokeshire, 12 males, 10.vi.–7.ix.1999, Levey & Pavett leg. (HRI, PPCM). Colt Park Wood, Marrick, North Yorkshire, 1 male, 27.viii.–30.viii.1981, Disney leg. (PBLN). Comin Esgair Maen, Ceredigion, 1 male, 23.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cowbeck, North Yorkshire, 1 male, 18.viii.–25.viii.1981, Disney leg. (PBLN). Devichoys Wood, Cornwall, 1 male, no date, Merrifield leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 3.xi.2001, Chandler leg. (PPCM). Epping Forest, Essex, 1 male, iv.1999, Dagley leg. (PPCM). Ffrwd Fen, Carmarthen, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Galmsdale, Isle of Eigg, Highland Region, 1 male, 10.iv.1969, Hutson leg. (BMNH). Hafod Garregog, Gwynedd, 1 male, 16.vi.–30.vi.1999, Levey & Pavett leg. (PPCM). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 137 males, 66 females, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Haytor, Devon, 2 males, 1 female, 23.vi.2002, J.E. Smith leg. (HRI). Lea Meadows, Newtown Linford, Leicestershire, 2 males, 24.viii.2003, Menzel leg. (DEI). Leebotwood, Shropshire, 5 females, 14.vii.2003, J.E. Smith leg. (HRI). Luibeg, Aberdeenshire, 1 male, 21.x.2000, Chandler leg. (PPCM). Moccas Park, Herefordshire, 1 male, 11.vi.2002, Godfrey leg. (PPCM). Oxwich, Swansea/Abertawe, 2 males, 28.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôsili Down, Swansea/Abertawe, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 6 males, 12.x.2001, J.E. Smith leg. (HRI); 151 males, 17 females, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Santon Downham, Suffolk, 1 male, 15.viii.1970, Hutson *et al.* leg. (BMNH). Sned Wood, Lower Lye, Herefordshire, 1 male, 5 females, 14.vii.2003, J.E. Smith leg. (HRI). Waggoner's Wells, Hampshire, 1 male, 8.x.2002, Chandler leg. (PPCM). Wangford, Suffolk, 2 males, 10.vi.–24.vi.1980, Foster & Procter leg. (PBLN). Willes Meadow, Leamington Spa, Warwickshire, 1 male, 3 females, 27.viii.2002, Menzel leg. (DEI). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 6 females, 21.viii.2002, J.E. Smith leg. (HRI).

Ecological notes: very common in broad-leaved, mixed and carr woodland; conifer plantation with broad-leaved fringe, heathland including Breckland, dry and damp heath; moorland on granite; wetlands including water meadows, *Phragmites*, stream side and fens; old hedges; parkland; grassland; open montane habitats. iv–xi.

CORYNOPTERA UNCATA MENZEL & SMITH SP. NOV.

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 8.vii.–22.vii.1996; 1 male, 22.vii.–5.viii.1996, all Ismay leg. [paratypes of *Corynoptera uncata*] (PPCM). Fedw Fawr, Isle of Anglesey, 3 males, 13.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Highgate Woods, Greater London, 1 male, 1998–1999, Hackett leg. [paratype of *Corynoptera uncata*] (PPCM). Kelham Bridge, Ravenstone, Leicestershire, 2 males, 24.viii.2003, Menzel leg. [paratypes of *Corynoptera uncata*] (DEI). Ryton Wood, Bubbenhall, Coventry, West Midlands, 16 males, 25.viii.2002, Menzel & J.E. Smith leg. [holotype and paratypes of *Corynoptera uncata*] (DEI, HRI). Welsh Moor, Swansea/Abertawe, 1 male, 14.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Y Gors, Powys, 1 male, 17.vii.1989, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found in broad-leaved woodland; humid and wet heathland; floodplain mire; wet meadow with reed beds around pools; pond banks in damp meadow. vii–viii.

CORYNOPTERA VAGULA TUOMIKOSKI, 1960

Literature: Menzel (1998): 21; Withers (2002): 114.

Material examined: Aberithon Turbary, Powys, 1 male, 3.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Annahala bog, Gearagh, Cork, 1 male, 29.iv.1990, de Courcy Williams leg. (DEI). Brandon Marsh, Ryton-on-Dunsmore, Coventry, West Midlands, 1 male, 11.x.2001, Chandler leg. (HRI). Comin Esgair Maen, Ceredigion, 2 males, 23.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Bodeilio, Isle of Anglesey, 1 male, 13.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Caranod, Ceredigion, 1 male, 24.ix.1986, Holmes, Boyce & Reed leg. (PBLN). Cors Clegyrog, Isle of Anglesey, 1 male, 27.vii.1988; 1 male, 6.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Goch, Isle of Anglesey, 1 male, 14.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 3 males, 15.vii.1988; 1 male, 28.vii.1988; 2 males, 7.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Gyfelog, Gwynedd, 2 males, 26.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cwm Crafnant, Gwynedd, 1 male, 20.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Gors Llwyn, Neath/Port Talbot, 1 male, 28.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Killaun Bog, Offaly, 2 males, ix.2000, Withers leg. (PPWM). Llyn Coethlyn, Powys, 2 males, 1.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Tyn y Mynydd, Gwynedd, 1 male, 18.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Ystumllyn, Gwynedd, 1 male, 26.vii.1988; 2 males, 19.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Newbridge Fen, Kildare, 1 male, 27.vi.2002, Withers leg. (PPWM). Oxwich, Swansea/Abertawe, 1 male, 4.x.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôs

Rydd, Ceredigion, 1 male, 8.x.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôs-y-gad, Isle of Anglesey, 4 males, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Strumpshaw, Norfolk, 1 male, 13.vi.–11.vii.1988, Foster & Procter leg. (PBLN). Welsh Moor, Swansea/Abertawe, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Ynys Uchaf, Carmarthen, 2 males, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found in carr woodland; humid and wet heathland; common in all types of fen and bog, basin and ombrotrophic mires; *Cladium* beds with tufa; former gravel workings. iv, vi–x.

CORYNOPTERA VERRUCIFERA (LENGERSDORF, 1952)

New to British list.

Material examined: Epping Forest, Essex, 1 male, 15.iii.1999, Dagley leg. (PPCM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 2.vii.2003, Ismay & Schulten leg. (UMO).

Ecological notes: found in ancient broad-leaved woodland; unimproved calcareous grassland. iii, vii.

CORYNOPTERA WALTRAUDIS MOHRIG & MAMAEV, 1987

Literature: Menzel (1998): 21.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 10.v.–23.v.1995, Ismay leg. (PPCM). Cors Goch, Isle of Anglesey, 1 male, 14.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Llanon, Swansea/Abertawe 1 male, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Sutton Broad, Norfolk, 1 male, 21.viii.–4.ix.1989, Foster & Procter leg. (PPCM).

Ecological notes: found in ancient beech woodland; carr woodland and fen; *Molinia* bog, ungrazed; *Cladium* bed. v, vii–ix.

CORYNOPTERA WINNERTZI MOHRIG, 1993

New to British list.

Material examined: Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB).

Ecological notes: found on calcareous grassland adjacent to hanger woodland. v.

CRATYNA WINNERTZ, 1867

CRATYNA (CRATYNA) AMBIGUA (LENGERSDORF, 1934)

Synonyms: *latiforceps* (Bukowski & Lengersdorf, 1936); *lignea* (Lengersdorf, 1941); *prima* (Frey, 1942).

New to British list.

Material examined: Bevills Wood, Abbot's Ripton, Cambridgeshire, 1 male, 8.vi.1980, J.H. Cole leg. (PJCB). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Bradfield Wood, Suffolk, 2 males, 23.v.–30.v.1991, Laurence leg. (PBLN). Bridge of Walls, Shetland, 1 male, vii.1985, Laurence leg. (PBLN). Burnham Beeches, Buckinghamshire, 1 male, 26.ix.–9.x.1996; 1 male, 1.vi.–8.vi.1999, all Ismay leg. (PPCM). Coed Tycanol, Pembrokeshire, 2 males, 29.vi.–7.ix.1999, Levey & Pavett leg. (HRI, PPCM). Milham Ford School, Oxford, Oxfordshire, 1 male, 18.v.2001, Webb leg. (PPCM). Roydon Common, Norfolk, 1 male, 5.vi.1993, Chandler leg. (PPCM). Sutton Common, Dorset, 1 male, 17.v.–24.v.1990, George leg. (PPCM).

Ecological notes: found in ancient beech and other broad-leaved woodland; mixed woodland on clay; ancient beech woodland; school grounds with old poplars; calcareous grassland. v–vii, ix–x.

CRATYNA (CRATYNA) CONTRACTA MOHRIG &
RÖSCHMANN, 1996

New to British list.

Material examined: Migdale Wood, Highland Region, 2 males, 31.v.2002, Chandler leg. (PPCM).

Ecological notes: found in alder and birch carr by stream. v.

CRATYNA (CRATYNA) PERNITIDA (EDWARDS, 1915)

Literature: Edwards (1915a): 164; Edwards (1925a): 542; Perry & Stubbs (1978): 71; Freeman (1983a): 169 [all as *Plastosciara*]; Freeman (1983b): 24 [as *Plastosciara (Plastosciara)*]; Hancock, 1997: 28 [as *Plastosciara*]; Menzel (1998): 21; Menzel & Mohrig (2002): 276; Withers (2002): 114.

Material examined: Auchindachy, Moray, 3 males, 7 females, 30.vi.1936, Coe leg. (BMNH). Farnham, Buckinghamshire, 4 males, 4 females, 24.v.1930 (reared), Mansbridge leg. (BMNH). Gorge of Avon, South Lanarkshire, 1 female, 2.vi.1906, King leg. (BMNH). Killaur Bog, Offaly, 3 males, ix.2000, Withers leg. (PPWM). Offley, Hertfordshire, 5 males, 9 females, v.1936 (reared), Edwards leg. (BMNH). Stanmore, Greater London, 8 males, 12 females, 3.v.1914 (reared), Blair leg. [lectotype and paralectotypes of *Plastosciara pernitida*] (BMNH, ZFMK).

Ecological notes: found in broad-leaved woodland; mixed woodland by river; raised bog. Reared from rotten pine stump and beech log. v, vi, ix.

CRATYNA (CRATYNA) SCHINERI (WINNERTZ, 1867)

Synonyms: *arenaria* (Beling, 1872); *glabricollis* (Winnertz, 1871); *intermedia* (Winnertz, 1867); *stokesi* (Edwards, 1925a).

Literature: Edwards (1925b): 223 [as *Psilosciara stokesi*]; Freeman (1983b): 24 [as *Plastosciara (Plastosciara)*]; Menzel (1998): 21; Coldwell (1999): 25 [as *Plastosciara (Plastosciara)*]; Menzel & Mohrig (2000): 276.

Material examined: Barnsley, South Yorkshire, 1 female, v.1924 (reared), Bayford leg. (BMNH). Wimbledon, Greater London, 125 males, 50 females, iv.1925 (reared), Stokes leg. [lectotype and paralectotypes of *Psilosciara stokesi*] (BMNH, ZFMK).

Ecological notes: Reared from rotten wood. iv–v.

CRATYNA (CRATYNA) ULIGINOSA (LENGERSDORF, 1929)

Literature: Menzel (1998): 21; Withers (2002): 114.

Material examined: Alice Holt Forest, Hampshire, 1 male, 10.v.1984, Chandler leg. (PPCM). Alvecote Pools, Staffordshire, 2 males, 13.x.2001, J.E. Smith leg. (HRI). Blaen Glaswen, Powys, 1 male, 16.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Boundless Copse, Surrey, 2 males, 26.vii.2002, Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 2 males, 28.v.–9.vii.1996, Ismay leg. (PPCM); 1 male, 4.x.1999; 1 male, 23.x.2001, all Chandler leg. (PPCM). Bwlch y Dwr, Gwynedd, 1 male, 14.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cadair Idris, Gwynedd, 2 males, 19.vi.1997; 1 male, 4.ix.1993, all Laurence leg. (PBLN). Catfield, Norfolk, 1 male, 29.ix.1988, Foster & Procter leg. (PBLN). Cefn Grwyd, Neath/Port Talbot, 1 male, 4.x.1989, Holmes, Boyce & Reed leg. (PPWM). Chobham Common, Surrey, 1 male, 16.x.1984, Chandler leg. (PPCM). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PPCM). Cors Caranod, Ceredigion, 1 male, 25.vi.1987; 1 male, 23.vii.1987, all Holmes, Boyce & Reed leg. (PPWM). Cors Farlais, Carmarthen, 1 male, 5.x.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Goch, Isle of Anglesey, 1 male, 18.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 1 male, 28.vii.1988; 2 males, 7.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors-y-Llyn, Powys, 3 males, 10.x.1989, Holmes, Boyce & Reed leg. (PPWM). Denny Wood, New Forest, Hampshire, 1 male, 17.iv.1954, Colyer leg. (BMNH). Epping Forest, Essex, 1 male, 27.v.1999, Dagley leg. (PPCM); 1 male, 17.x.2000, Merrifield leg. (PPCM). Hafod Garregog, Gwynedd, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Hay Wood, Baddeley Clinton, Solihull, West Midlands, 26 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Hickling, Norfolk, 2 males, x.1988, Foster

& Procter leg. (PBLN); 2 males, 16.iv.1989, Withers leg. (PPWM). Killaun, Offaly, 2 males, vi.2000, Withers leg. (PPWM). Llyn Creiniog, Denbighshire, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Pencraig, Gwynedd, 1 male, 27.x.1988, Holmes, Boyce & Reed leg. (PPWM). Llynoedd Ieuan, Ceredigion, 1 male, 18.vi.–20.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Malham Tarn, North Yorkshire, 1 male, 24.vi.–28.vi.1982, Disney leg. (PPWM). Migneint, Conwy, 1 male, 14.x.1988, Holmes, Boyce & Reed leg. (PPWM). Nûg, Conwy, 5 males, 12.x.1988; 1 male, 27.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Oakley Wood, Bishops Tachbrook, Warwickshire, 1 male, 14.x.2001, Chandler leg. (HRI). Rhôs Cilcennin, Ceredigion, 1 male, 24.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Rhôs Rydd, Ceredigion, 1 male, 8.x.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôsgoch, Powys, 2 males, 17.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôsili Down, Swansea/Abertawe, 1 male, 3.x.1989, Holmes, Boyce & Reed leg. (PPWM). Rotherfield Park, Hampshire, 2 males, 2.x.2002, Chandler leg. (PPCM). Roydon Common, Norfolk, 1 male, 5.vi.1993, Chandler leg. (PPCM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 12.x.2001, Chandler leg. (HRI); 1 male, 25.viii.2002, Menzel leg. (DEI). Stokeford Heath, Dorset, 1 male, 20.v.2001, Gibbs leg. (PDGB). Trawsfynydd, Gwynedd, 2 males, 14.x.1988, Holmes, Boyce & Reed leg. (PPWM). Tuddenham Fen, Suffolk, 1 male, 20.x.1990, Chandler leg. (PPCM). Vicarage Bog, Wrexham, 1 male, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Waggoner's Wells, Hampshire, 2 males, 8.x.2002, Chandler leg. (PPCM). West End Common, Esher, Surrey, 1 male, 19.x.2001; 1 male, 16.vii.2002, all Chandler leg. (PPCM).

Ecological notes: very common in broad-leaved, mixed and carr woodland; conifer plantations; sandy, damp, grazed wet and humid heathland; wetlands including fens, mires, bogs, *Cladium* and *Phragmites* beds and *Sphagnum* kettlehole; open montane habitats. iv–x.

CRATYNA (DIVERSICRATYNA) PERORNATA
(MOHRIG & RÖSCHMANN, 1993)

New to British list.

Material examined: Sned Wood, Lower Lye, Herefordshire, 2 males, 14.vii.2003, J.E. Smith leg. (HRI).

Ecological notes: found in conifer plantation with broad-leaved fringe by river. vii.

CRATYNA (DIVERSICRATYNA) SPICULOSA
(RUDZINSKI, 1993)

Synonym: *taractica* (Laurence, 1994).

Literature: Laurence (1994): 106 [as *Plastosciara (Termitosciara) taractica*]; Menzel (1998): 21; Menzel & Mohrig (2000): 292.

Material examined: Blaen Cilieni, Powys, 1 male, 5.vii.1989, Holmes, Boyce & Reed leg. (PPWM). East Harling, Norfolk, 1 male, 14.vi.–28.vi.1988, Foster & Procter leg. [paratype of *Plastosciara taractica*] (PBLN). Strumpshaw, Norfolk, 8 males, 13.vi.–11.vii.1988, Foster & Procter leg. [paratypes of *Plastosciara taractica*] (PBLN). Thompson Common, Norfolk, 7 males, 13.ix.–27.ix.1988, Foster & Procter leg. [holotype and paratypes of *Plastosciara taractica*] (DEI, PBLN).

Ecological notes: found in broad-leaved woodland; heathland with *Carex paniculata* and *Molinia*; grassland with pingo pools; damp meadow; glacial pool. vi–vii, ix.

CRATYNA (PEYERIMHOFFIA) CURTIPENNIS
(EDWARDS, 1926)

Literature: Edwards (1926a): 112; Freeman (1983a): 169; Freeman (1983b): 27 [all as *Hyperlasion*]; Menzel (1998): 21; Menzel & Mohrig (2000): 286.

Material examined: Basingstoke, Hampshire, 2 larvae, 20.ii.1936, Speyer leg. (HRI). Clacton-on-Sea, Essex, 2 males, 1 female, 5 larvae, 28.xii.1925, Speyer leg. [lectotype and paralectotypes of *Hyperlasion curtipennis*] (BMNH). Rockbeare, Exeter, Devon, 3 pupae, 14.ii.1943; 6 larvae, 15.ii.1943, all Speyer leg. (HRI).

Ecological notes: larvae in large aggregation on soil of tomato house. ii, xii.

CRATYNA (PEYERIMHOFFIA) HYBRIDA
(MOHRIG & MAMAEV, 1974)

New to British list.

Material examined: 'Horwood', Basingstoke, Hampshire, 1 male, 26.vi.1956, Hussey leg. (HRI).

Ecological notes: no habitat details. vi.

CRATYNA (PEYERIMHOFFIA) PERNICIOSA
(EDWARDS, 1922)

Literature: Edwards (1922): 160; Edwards (1925a): 543; Madwar (1937): 50; Freeman (1983a): 169 [all as *Plastosciara*]; Freeman (1983b): 25 [as *Plastosciara (Termitosciara)*]; Menzel (1998): 21; Menzel & Mohrig (2000): 288.

Material examined: Charing Cross, Greater London, 4 females, ix.1933; 2 females, ii.1934, all no collector detail (BMNH). Glasshouse Crops Research Station,

Littlehampton, West Sussex, 1 male, 17.xii.1956, Hussey leg. (HRI). Hoddesdon, Hertfordshire, 2 females, 15.ix.1922, Speyer leg. (HRI). Natural History Museum, South Kensington, Greater London, 1 female, 2.ix.1926, Edwards leg. (BMNH). Nottingham, Nottinghamshire, 18 females, iii.1934; 1 female, 18.xi.1935, all H.P. Jones leg. (BMNH). Slough, Berkshire, 2 males, 3 larvae, 24.vii.1941, Rochford leg. (HRI); 5 males, 2 females, 2 pupae, 29.vii.1941, Speyer leg. (HRI). Worthing, West Sussex, 6 males, 19 females, 25.v.1922 (reared), Speyer leg. [including lectotype and paralectotypes of *Plastosciara pernicios*] (BMNH); 1 male, 1 female, 2.vi.1922, Speyer leg. (HRI). Woodwalton Fen, Cambridgeshire, 35 males, vi.1940, Edwards leg. (BMNH).

Ecological notes: found in alder carr and fen; grounds of horticultural research station; glasshouses; office buildings. Reared from cucumber; birch log with ants *Myrmica ruginodis*. ii–iii, v–vii, ix, xii.

CRATYNA (PEYERIMHOFFIA) VAGABUNDA
(WINNERTZ, 1867)

Synonyms: *alata* (Frey, 1948); *brachyptera* (Kieffer, 1903).

Literature: Donisthorpe (1913): 267; Edwards (1925a): 543; Donisthorpe (1924): 73; Donisthorpe (1927): 139 [all as *Peyerimhoffia brachyptera*]; O'Toole (1978): 163 [as *Plastosciara brachyptera*]; Freeman (1983b): 25 [as *Plastosciara (Peyerimhoffia) brachyptera*]; Laurence (1994): 118; Laurence (1996): 87; Laurence & James (1997): 166 [all as *Plastosciara brachyptera*]; Menzel (1998): 21; Withers (2002): 114.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 22.iii.1990, de Courcy Williams leg. (NMID). Badger Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. (NMS). Beaulieu River, Hampshire, 2 males, 22.v.1936, Edwards leg. (BMNH). Blorenge, Monmouthshire, 1 male, 23.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Braedownie, Angus, 1 male, 24.vii.1937, Coe leg. (BMNH). Brynberian Moor, Pembrokeshire, 1 male, 22.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Buckingham Thick Copse, Northamptonshire, 1 male, 9.vi.1992, Warne leg. (PPCM). Burnham Beeches, Buckinghamshire, 6 males, 20.vii.–2.viii.1995; 1 male, 1.vii.–8.vii.1996; 2 males, 5.vii.–20.vii.1999; 1 male, 1.x.–28.x.1999, all Ismay leg. (HRI, PPCM). Bushy Park, Greater London, 1 male, vi.1940, no collector detail (BMNH). Cadair Idris, Gwynedd, 9 males, 19.vi.1993; 1 male, 3.vii.1993, all Laurence leg. (PBLN). Cambridge, Cambridgeshire, 1 male, 23.v.1905, Jenkinson leg. (BMNH). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 18.vi.2002, Ismay & Schulten leg. (DEI). Coombe Abbey Country Park,

Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Cors Penally, Pembrokeshire, 1 male, 22.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cotterill Clough, Cheshire, 1 female, 6.viii.1939, Britten leg. (BMNH). Coventry, West Midlands, 1 male, vii.1998, C.W. Plant leg. (PPCM). Dawlish Warren, Devon, 1 male, 29.vi.1988, J.H. Cole leg. (PJCB). Delamere, Cheshire, 1 male, 1 female, 16.vii.1939, Britten leg. (BMNH). Epping Forest, Essex, 1 male, 28.vi.2000, Chandler leg. (PPCM). Falls of Tarnash, Moray, 1 male, 1.vii.1936, Coe leg. (BMNH). Frithsden Beeches, Hertfordshire, 1 male, 30.vii.1997, Chandler leg. (PPCM). Gearagh, Cork, 2 males, 22.v.1990; 1 male, 12.vi.1990, all de Courcy Williams leg. (DEI, NMID); 1 male, 9.vii.1990, Withers leg. (PPWM). Glasshouse Crops Research Station, Littlehampton, West Sussex, 2 males, 20.viii.1956; 1 male, 30.vii.1957, all Hussey leg. (HRI). Glen Lochay, Stirling, 1 male, 8.vi.1932, Edwards leg. (BMNH). Haytor, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Hickling, Norfolk, 1 male, v.1988, Foster & Procter leg. (PBLN). Lea Meadows, Newtown Linford, Leicestershire, 2 males, 24.viii.2003, J.E. Smith leg. (HRI). Leckford Estate, Hampshire, 1 male, 1.ix.1999, Chandler leg. (PPCM). Leebotwood, Shropshire, 2 males, 14.vii.2003, J.E. Smith leg. (HRI). Letchworth, Hertfordshire, 1 male, 26.vi.1932, Edwards leg. (BMNH). Llyn Gwynant, Gwynedd, 1 male, 13.vii.1914, Edwards leg. (BMNH). Loch Garten, Highland Region, 1 male, 24.vii.1997, Chandler leg. (PPCM). Loch Morlich, Highland Region, 1 male, 24.vi.1933, Coe leg. (BMNH). Loch Pityoulish, Highland Region, 1 male, 3.vii.1933, Coe leg. (BMNH). Lough Slevin, Westmeath, 1 male, 16.vi.1985, Chandler leg. (PPWM). Lundy Island, Devon, 3 males, 20.vii.–27.vii.1972, Lane leg. (BMNH). Magor Marsh, Monmouthshire, 1 male, 10.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Milham Ford School, Oxford, Oxfordshire, 2 males, 24.v.–4.vi.2001, Webb leg. (PPCM). Monkfield Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (NMS). Murrough, Wicklow, 1 male, 20.v.–3.vi.1990, Blackith leg. (PPWM). New Malden, Greater London, 1 male, 25.vi.1931, Coe leg. (BMNH). Newbold Comyn Park, Leamington Spa, Warwickshire, 2 males, 15.vii.2001, J.E. Smith leg. (HRI). Nûg, Conwy, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Oakland Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998; 1 male, 1.vi.–30.vi.1998, all C.W. Plant leg. (NMS, PPCM). Rhôs-ygad, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Rhôsgyll Fawr, Gwynedd, 1 male, 28.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 30.v.2003; 4 males, 31.v.2003, all Ismay & Schulten leg. (DEI, UMO). Sedlescombe, East Sussex, 1 male, 27.vi.1996, Roper leg. (PPRS). Sned

Wood, Lower Lye, Herefordshire, 3 males, 14.vii.2003, J.E. Smith leg. (HRI). Stackpole Quay, Pembrokeshire, 1 male, 12.viii.1986, Chandler leg. (PPCM). The British, Monmouthshire, 1 male, 24.vi.1992, Gibbs leg. (PDGB). The Dingle, Isle of Anglesey, 1 male, 5.vii.1987, Chandler leg. (NMS). The Loke, Norwich, Norfolk, 2 males, 4.vii.–5.vii.1987; 2 males, 15.viii.1987; 2 males, 13.vii.–19.vii.1989; 1 male, 21.viii.–24.viii.1989; 1 male, 15.v.–18.v.1992; 4 males, 27.vii.1992; 1 male, 30.vii.–2.viii.1993, all Laurence leg. (PBLN). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Wellesbourne, Warwickshire, 1 male, 17.viii.–31.viii.2000; 1 male, 1 female, 27.vi.–5.vii.2001, all J.E. Smith leg. (HRI). Winfrith, Dorset, 1 male, 17.viii.1910, Haines leg. (BMNH). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH).

Ecological notes: very common in broad-leaved and carr woodland; also found in mixed woodland; conifer plantations and ancient pine woodland; heathland; moorland; wetlands including fens, mires, bogs, water meadows, sedge beds and riverside habitats; unimproved calcareous grassland; grounds of horticultural research station; school grounds with old poplars; garden; fixed dune grassland and scrub; coastal cliffs; open montane habitats; mining spoil heaps. Reared from dung. iii, v–x.

CRATYNA (SPATHOBDELLA) COLEI (FREEMAN, 1990)

Literature: Edwards (1925a): 541 [as *Sciara longispina*, misidentification]; Freeman (1983b): 25 [as *Plastosciara (Spathobdella) brachialis*, misidentification]; Freeman (1990): 52 [as *Plastosciara (Spathobdella)*]; Laurence (1997b): 228; Laurence & James (1997): 166 [all as *Plastosciara falcifera*, misidentification]; Menzel (1998): 21; Menzel & Mohrig (2000): 281; Chandler *et al.* (2002): 123.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 29.iv.1990, de Courcy Williams leg. (DEI). Bwlch y Ddeufaen, Conwy, 1 male, 5.vii.1987, J.H. Cole leg. (PJCB). Cadair Idris, Gwynedd, 1 male, 4.ix.1993, Laurence leg. (PBLN). Corriegills, Arran, North Ayrshire, 1 male, 2.vi.–4.vi.1919, Edwards leg. (BMNH). Crawcwellt, Gwynedd, 1 male, 18.ix.1968, Vane-Wright leg. (BMNH). Eday, Orkney, 2 males, 1.vi.1988, Laurence leg. (PBLN). Glen Lochay, Stirling, 1 male, 3.vi.–18.vi.1932, Edwards leg. (BMNH). Kenmare Estate, Killarney, Kerry, 1 male, 8.ix.1981, J.P. & M.A. O'Connor leg. (NMID). Lea Meadows, Newtown Linford, Leicestershire, 46 males, 3 females, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Leckford Estate, Hampshire, 1 male, 20.v.1971, Stubbs leg. (PPCM). Loch Callater, Aberdeenshire, 10 males, 22.vii.1938,

Coe leg. (BMNH). Loch Tummel, Perth & Kinross, 1 male, 8.vii.1937, Collin leg. (BMNH). Lochan an Daimh, Perth & Kinross, 1 male, 26.viii.1995, Chandler leg. (PPCM). Mid Quoich, Aberdeenshire, 1 male, 15.vi.2003, Chandler leg. (PPCM). Moineach Mararulin, Skye, Highland Region, 1 male, 10.vii.1991, J.H. Cole leg. (PJCB). Rake Beck, North Yorkshire, 1 male, 9.vi.1976, J.H. Cole leg. [holotype of *Plastosciara colei*] (BMNH). Rhôs Cilcennin, Ceredigion, 1 male, 1.x.1986, Holmes, Boyce & Reed leg. (PPWM). Thompson Common, Norfolk, 1 male, 1.vi.1985, Chandler leg. (PPCM). Udale Bay, Highland Region, 1 male, 29.v.2002, Chandler leg. (PPCM). Woodbastwick, Norfolk, 3 males, viii.1932, Edwards leg. (BMNH).

Ecological notes: found in broad-leaved, mixed and carr woodland; ancient pine woodland; moorland flushes; wetlands including fen, open marsh by pool, grazed *Molinia* bog with *Carex rostrata*, acid bog, wooded stream gorge and water meadows by river; grassland with pingo pools; open montane habitats. iv–x.

CRATYNA (SPATHOBDELLA) EGERTONI
(EDWARDS, 1934)

Literature: Edwards (1934a): 141 [as *Plastosciara*]; Perry & Stubbs (1978): 71 [as *Sciara*]; Freeman (1983a): 170 [as *Plastosciara*]; Freeman (1983b): 25 [as *Plastosciara (Termitosciara)*]; Menzel (1998): 21; Menzel & Mohrig (2000): 281.

Material examined: Rostherne, Cheshire, 2 males, 18 females, v.1932 (reared), Britten leg. [lectotype and paralectotypes of *Plastosciara egertoni*] (BMNH).

Ecological notes: reared from under bark of dead oak. v.

CRATYNA (SPATHOBDELLA) FALCATA
(TUOMIKOSKI, 1960)

New to British list.

Material examined: Balmoral Forest, Aberdeenshire, 2 males, 1.viii.–4.viii.1937, Coe leg. (BMNH). Ben Macdhui, Aberdeenshire, 19 males, 6.viii.1937, Coe leg. (BMNH). Feshiebridge, Highland Region, 1 male, 1.vii.1933, Coe leg. (BMNH). Loch Callater, Aberdeenshire, 2 males, 28.vii.–29.vii.1937; 1 male, 22.vii.1938; 11 males, 27.vii.1938, all Coe leg. (BMNH). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 24.vii.–13.viii.1990, Jessop leg. (PBLN).

Ecological notes: found in broad-leaved woodland; conifer plantations; wooded river bank; at flowers of moss campion; high montane habitat; at 1309 m a.s.l. vii–viii.

CRATYNA (SPATHOBDELLA) FALCIFERA
(LENGERSDORF, 1933)

Literature: Freeman (1983b): 25 [as *Plastosciara (Spathobdella)*]; Laurence (1994): 118 [as *Plastosciara*]; Menzel (1998): 21; Withers (2002): 114.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 24.ix.1990, de Courcy Williams leg. (NMID). Balmoral Forest, Aberdeenshire, 4 males, 19.vii.–30.vii.1938, Coe leg. (BMNH). Beinn Eighe, Highland Region, 1 male, 10.vi.1984, Chandler leg. (NMS). California Country Park, Berkshire, 1 male, 1.vi.1997; 4 males, viii.2000, all Chandler leg. (HRI, PPCM). Claybokie, Aberdeenshire, 1 male, 12.vii.1977, Chandler leg. (PPCM). Cors Gorsgoch, Ceredigion, 1 male, 9.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Cors Fochno, Ceredigion, 1 male, 24.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cwm Crafnant, Gwynedd, 1 male, 4.viii.1988, Holmes, Boyce & Reed leg. (NMS). Dartmoor, Bush Down, Devon, 1 male, 28.viii.1989, J.H. Cole leg. (PJCB). Glen Einich, Highland Region, 1 male, 30.vi.1933, Coe leg. (BMNH). Hickling, Norfolk, 1 male, 15.viii.–29.viii.1980; 1 male, 18.v.1989, all Foster & Procter leg. (NMS, PBLN); 1 male, 27.v.1991, Withers leg. (PPWM). How Hill, Norfolk, 1 male, 27.v.1989, Withers leg. (PPWM). Leckford Estate, Hampshire, 2 males, 12.iv.1981, Chandler leg. (NMS, PPCM). Loch Garten, Highland Region, 1 male, 4.vii.1933, Coe leg. (BMNH). Loch Loy, Highland Region, 1 male, 14.vi.1984, Chandler leg. (PPCM). Loch Shieldaig, Highland Region, 1 male, 10.vi.1984, Chandler leg. (PPCM). Market Weston Fen, Suffolk, 1 male, 12.v.1991, Withers leg. (PPWM). Mills Marsh, Norfolk, 1 male, 11.viii.1988, Foster & Procter leg. (PBLN). Newbridge Fen, Kildare, 2 males, 8.viii.–19.viii.1998, Good leg. (PPWM). Puttles Bridge, New Forest, Hampshire, 3 males, 8.vii.1990, Chandler leg. (PPCM). Rhôs Cilcennin, Ceredigion, 3 males, 4.ix.1986; 2 males, 10.x.1986, all Holmes, Boyce & Reed leg. (PPWM). Rhôs Llawr-Cwrt, Ceredigion, 1 male, vi.1987, J.H. Cole leg. (PJCB). Rhôs Rhydd, Ceredigion, 2 males, 25.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Spinningdale Bog, Highland Region, 1 male, 17.vi.1976, Chandler leg. (NMS). Stokeford Heath, Dorset, 1 male, 28.viii.2001, Gibbs leg. (PDGB). Sutton Park, Birmingham, West Midlands, 1 male, 6.viii.1989, J.H. Cole leg. (PJCB). The Quill, Wicklow, 1 male, 7.v.1989, Withers leg. (PPWM). Thompson Common, Norfolk, 1 male, 1.vi.1985, Chandler leg. (NMS). Waun Isaf, Pembrokeshire, 1 male, 22.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Wood Crates, New Forest, Hampshire, 1 male, 8.vii.1990, Chandler leg. (PPCM). Woodbastwick, Norfolk, 3 males, viii.1932, Edwards leg. (BMNH).

Ecological notes: common in broad-leaved, mixed, pine and carr woodland; conifer plantations; sandy and

damp heathland; moorland; wetlands including fen, sedge bed, valley and basin mire, *Molinia* and raised bog, *Cladium* beds with tufa, water meadows; grassland with pingo pools. iv–x.

CRATYNA (SPATHOBDELLA) KEILINI (EDWARDS, 1915)

Literature: Edwards (1915b): 263; Edwards (1925a): 542 [all as *Plastosciara*]; Perry & Stubbs (1978): 71 [as *Sciara*]; Freeman (1983a): 169 [as *Plastosciara*]; Freeman (1983b): 24 [as *Plastosciara (Spathobdella)*]; Menzel (1998): 21; Menzel & Mohrig (2000): 283.

Material examined: Barton Mills, Suffolk, 1 male, 1 female, 8.v.1915, Keilin leg. [lectotype and paralectotype of *Plastosciara keilini*] (BMNH). Bradfield Wood, Suffolk, 1 female, 23.v.–30.v.1991, Laurence leg. (PBLN).

Ecological notes: found in broad-leaved woodland. Reared from rotten wood. v.

CRATYNA (SPATHOBDELLA) NOBILIS (WINNERTZ, 1867)

Synonyms: *brachialis* (Winnertz, 1867); *cunctans* (Winnertz, 1871).

Literature: ? Walker (1848): 109 [as *Sciara nemoralis*, misidentification]; Edwards & Collin (1932): 264 [as *Sciara*]; Freeman (1983b): 25; O'Connor & Ashe (1991): 29 [all as *Plastosciara (Spathobdella)*]; Laurence (1997b): 228; Laurence & James (1997): 166 [all as *Plastosciara*]; Menzel (1998): 21.

Material examined: Annahala bog, Gearagh, Cork, 4 males, 1.vi.1990; 1 male, 24.ix.1990, all de Courcy Williams leg. (DEI, NMID). Beacon Bog, Carmarthen, 1 male, 11.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Becky Falls, Manaton, Devon, 1 male, 28.v.1978, J.H. Cole leg. (PJCB). Beinn a' Chreachain, Perth & Kinross, 1 male, 14.vi.1932, Edwards leg. (BMNH). Beinn Eighe, Highland Region, 1 male, 10.vi.1984, Chandler leg. (PPCM). Ben Macdhui, Aberdeenshire, 2 males, 6.viii.1983, no collector detail (PPWM). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Blaen Cilieni, Powys, 1 male, 21.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Boundless Copse, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Brandyquoy, Kirkwall, Orkney, 1 male, 28.v.–8.vi.2001, Laurence leg. (PBLN). Brechfa Pool, Powys, 1 male, 26.vi.1976, Chandler leg. (PPCM). Burley, New Forest, Hampshire, 1 male, 30.vii.1953, Colyer leg. (BMNH). Cadair Idris, Gwynedd, 1 male, 3.vii.1993; 1 male, 1.viii.1993; 2 males, 4.ix.1993; 1 male, 22.x.1993, all Laurence leg. (PBLN). California Country Park, Berkshire, 1 male, 29.vi.2002, Chandler leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 2 males, 15.ix.2002; 1 male, 23.ix.2002; 1 male, 16.x.2002, all

Ismay & Schulten leg. (DEI, UMO). Corriegills, Arran, North Ayrshire, 1 male, 24.vi.1919, Edwards leg. (BMNH). Cors Caranod, Ceredigion, 2 males, 24.ix.1986; 2 males, 11.vi.1987, all Holmes, Boyce & Reed leg. (PPWM). Cors Geirch, Gwynedd, 1 male, 16.vi.1988; 1 male, 15.vii.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Gyfelog, Gwynedd, 1 male, 30.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Llyn Farch a Llyn Fanod, Ceredigion, 1 male, 2.ix.1986; 1 male, 17.x.1986, all Holmes, Boyce & Reed leg. (PPWM). Crymlyn Bog, Swansea/Abertawe, 1 male, 5.x.1989, Holmes, Boyce & Reed leg. (PPWM). Cwm Ystwyth, Ceredigion, 1 male, 27.viii.1986; 3 males, 19.ix.1986; 1 male, 2.x.1986; 1 male, 16.vi.1987, all Holmes, Boyce & Reed leg. (PPWM). Dingwall, Highland Region, 1 male, 17.viii.1909, King leg. (BMNH). Dyffryn Gwaun, Pembrokeshire, 1 male, 22.vi.1987; 1 male, 20.vii.1987, all Holmes, Boyce & Reed leg. (PPWM). Eday, Orkney, 1 male, 1.vi.1988, Laurence leg. (PBLN). Eyeworth Wood, New Forest, Hampshire, 1 male, 2.vi.1985, Chandler leg. (PPCM). Figyn Blaen Brefi, Ceredigion, 1 male, 4.ix.1986; 1 male, 18.ix.1986, all Holmes, Boyce & Reed leg. (PPCM, PPWM). Fleet Pond, Hampshire, 1 male, 15.vii.1990, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 31.iii.1990; 1 male, 2.iv.1990; 1 male, 11.v.1990; 1 male, 12.vi.1990, all de Courcy Williams leg. (DEI, NMID). Glen Einich, Highland Region, 1 male, 30.vi.1933, Coe leg. (BMNH). Greywell Fen, Hampshire, 1 male, 15.vii.1990, Chandler leg. (NMS). Gwaun Garthenor, Ceredigion, 2 males, 2.x.1987, Holmes, Boyce & Reed leg. (PPWM). Hickling, Norfolk, 1 male, 16.iv.1989, Withers leg. (PPWM). Ipley Manor, New Forest, Hampshire, 1 male, 13.vii.1990, Chandler leg. (PPCM). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Lea Meadows, Newtown Linford, Leicestershire, 3 males, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Llyn Llennyrch, Gwynedd, 1 male, 16.vii.1976, Chandler leg. (PPCM). Llyn Pencraig, Gwynedd, 2 males, 20.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Ystumlllyn, Gwynedd, 1 male, 26.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Loch Garten, Highland Region, 1 male, v.1981, Owen leg. (BMNH). Loch Park, Moray, 1 male, 12.viii.–14.viii.1937, Coe leg. (BMNH). Lough Slevin, Westmeath, 1 male, 16.vi.1985, Chandler leg. (PPWM). Lundy Island, Devon, 1 male, 20.vii.–27.vii.1972, Lane leg. (BMNH). Meall nan Tarmachan, Perth & Kinross, 1 male, 2.vi.1932, Edwards leg. (BMNH). Mongan Bog, Offaly, 1 male, 14.vi.1983, Ashe leg. (NMID). New Close Wood, Brandon, Warwickshire, 2 males, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Pont Croesor, Gwynedd, 1 male, 2.vi.1987, Chandler leg. (PPCM). Porthcawl, Bridgend, 1 male, 17.vi.1906, Yerbury leg. (BMNH). Puttles Bridge, New Forest, Hampshire, 1 male,

8.vii.1990, Chandler leg. (NMS). Reydon Wood, Suffolk, 1 male, 11.v.1986, Withers leg. (PPWM). Rhôs Rhydd, Ceredigion, 1 male, 11.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Rhôsgyll Fawr, Gwynedd, 1 male, 28.vii.1988; 2 males, 7.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 6 males, 1 female, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Salem, Ceredigion, 1 male, 1.viii.1987, Holmes, Boyce & Reed leg. (PPWM). Savernake Forest, Wiltshire, 1 male, 31.v.1990, Porter leg. (NMS). Stokeford Heath, Dorset, 1 male, 20.v.2001, Gibbs leg. (PDGB). Tomintoul, Moray, 1 male, 8.viii.–11.viii.1937, Coe leg. (BMNH). Trawsfynydd, Gwynedd, 1 male, 5.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Turville Heath, Buckinghamshire, 4 males, 20.vii.2002, Chandler leg. (PPCM). Upton Broad, Norfolk, 1 male, 12.v.–19.v.1988, Withers leg. (PPWM). Waterperry Wood, Oxfordshire, 1 male, 5.v.1940; 12 males, v.1940, all Edwards leg. (BMNH). Welton Wood, Lincolnshire, 1 male, 1.v.1988, Hoff leg. (NMS). West End Common, Esher, Surrey, 5 males, 16.vii.2002, Chandler leg. (PPCM). Wistmans Wood, Devon, 1 male, 28.v.1978, J.H. Cole leg. (PJCB). Witherslack, Cumbria, 1 male, vi.1922, Edwards leg. (BMNH). Woodwalton Fen, Cambridgeshire, 10 males, 24.v.1940, Edwards leg. (BMNH).

Ecological notes: very common in broad-leaved and mixed woodland; conifer plantations; ancient pine woodland; stunted oak woodland on moorland; carr woodland; common on dry and damp heathland; common on wetlands including all types of fen, mires, bogs, ditches, sedge beds and water meadows; sea cliff; grazed meadow; calcareous grassland; open and high montane habitats. iii–x.

CRATYNA (SPATHOBDELLA) PERPLEXA
(WINNERTZ, 1867)

Synonyms: *brevicornis* (Tuomikoski, 1957); *dispar* (Beling, 1885) [preocc.]; *gregaria* (Beling, 1872); *pilosa* (Rübsaamen, 1894) [preocc.]; *socialis* (Winnertz, 1871).

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 20.iv.1998, Chandler leg. (PPCM).

Ecological notes: found in ancient beech woodland. iv.

CRATYNA (SPATHOBDELLA) PHILI MENZEL, 2002

New to Irish list.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 13.x.1990, de Courcy Williams leg. (NMID). Gearagh, Cork, 1 male, 7.iv.1990, de Courcy Williams

leg. (DEI). Victoria Bridge, River Liffey, Kildare, 1 male, 30.ix.2000, Chandler leg. (PPCM).

Ecological notes: found in damp broad-leaved woodland; riverbank; bog, iv, ix–x.

CRATYNA (SPATHOBDELLA) TUBERCULATA
(TUOMIKOSKI, 1960)

New to British list.

Material examined: Ben Macdhui, Aberdeenshire, 2 males, 6.viii.1937, Coe leg. (BMNH).

Ecological notes: found in high montane habitat; at flowers of moss campion; at 1309 m a.s.l. viii.

CTENOSCIARA TUOMIKOSKI, 1960

CTENOSCIARA HYALIPENNIS (MEIGEN, 1804)

Synonyms: *annulata* (Meigen, 1818); *autumnalis* (Winnertz, 1867); *electa* (Grzegorzec, 1884); *eximia* (Winnertz, 1867); *insularis* (Frey, 1936); *rufa* (Grzegorzec, 1884); *sordidella* (Zetterstedt, 1851).

Literature: Edwards (1925a): 537; Edwards (1926b): 142; ? Basden (1933): 44; Edwards (1934b): 34 [all as *Sciara autumnalis*]; Chandler (1978): 209; Freeman (1983b): 32; Skidmore *et al.* (1987): 119; Laurence (1994): 178; Laurence (1996): 86; Laurence (1997a): 85; Laurence (1997b): 228; Laurence & James (1997): 166; Menzel (1998): 21; Chandler (2001): 201.

Material examined: Aber Valley, Gwynedd, 1 male, 7.vii.1987, Chandler leg. (NMS). Affpuddle Heath, Dorset, 1 male, 16.x.1993, Chandler leg. (PPCM). Alvecote Pools, Staffordshire, 1 male, 17 females, 13.x.2001, J.E. Smith leg. (HRI). Annahala bog, Gearagh, Cork, 1 male, 23.vi.1990; 2 males, 24.ix.1990, de Courcy Williams leg. (DEI, NMID). Archers Wood, Cambridgeshire, 1 male, 29.iv.1987 (reared), J.H. Cole leg. (PJCB). Arne, Dorset, 1 male, 17.v.–3.vi.1997, C.W. Plant leg. (NMS). Arthog Bog, Gwynedd, 1 male, 17.x.1988, Holmes, Boyce & Reed leg. (PPWM). Ashridge Estate, Hertfordshire, 1 female, 22.iv.1972; 1 male, 8.x.1999, all Chandler leg. (NMS). Avoca Wood, Wicklow, 1 male, 10.xi.1986, Chandler leg. (NMS). Aysgarth Force, North Yorkshire, 1 male, 5.x.1985, Withers leg. (PPWM). Baldock, Hertfordshire, 1 male, ix.–x.1917; 1 female, v.1918, all Edwards leg. (BMNH). Barra, Western Isles, 1 male, 1 female, 17.viii.–28.viii.1936, A.R. Waterston leg. (NMS). Bayford, Hertfordshire, 1 male, 15.x.1931, Edwards leg. (BMNH). Beckenham Place Park, Greater London, 1 male, 4.ix.1966, Vane-Wright leg. (BMNH). Beinn Heasgarnich, Perth & Kinross, 2 females, 11.vi.1932, Edwards leg. (BMNH). Beinn nan Eachan, Stirling, 2 males, 31.v.1932, Edwards leg. (BMNH). Belfairs,

Essex, 2 males, 1.iv.1991, Withers leg. (PPWM). Ben Chalum, Stirling, 1 male, 1 female, 9.vi.–10.vi.1932, Edwards leg. (BMNH). Bersham, Wrexham, 1 female, 15.iii.1953, Colyer leg. (BMNH). Black Wood, Rannoch, Perth & Kinross, 2 males, 27.viii.1995, Chandler leg. (PPCM). Blean Wood, Kent, 6 females, 19.v.1973, Parmenter leg. (BMNH). Blaen y Wergloedd, Conwy, 2 males, 4.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Bolt Wood, Stockerston, Leicestershire, 1 female, 24.viii.2003, J.E. Smith leg. (HRI). Box Hill, Surrey, 1 male, 11.vii.1991, Chandler leg. (PPCM). Bradford, West Yorkshire, 1 male, 31.v.1949, Fidler leg. (BMNH). Braelangwell, Highland Region, 1 male, 1.ix.1984, Chandler leg. (NMS). Brampton Wood, Cambridgeshire, 1 male, 25.v.1987, J.H. Cole leg. (PJCB). Brancaster, Norfolk, 3 males, 28.x.1988, Foster & Procter leg. (PBLN). Brandon Marsh, Ryton-on-Dunsmore, Coventry, West Midlands, 4 females, 12.x.2001, J.E. Smith leg. (HRI); 1 female, 22.viii.2002, Menzel leg. (DEI). Brendon, Devon, 2 males, viii.1934, Edwards leg. (BMNH). Brodick, Arran, North Ayrshire, 1 female, 22.v.–25.v.1919, Edwards leg. (BMNH). Bromley, Greater London, 1 male, 10.v.1966; 1 male, iv.1967; 1 male, 12.x.1974, all Chandler leg. (NMS, PPCM). Buckingham Palace Garden, Greater London, 1 male, 14.ii.–27.iii.1997, D.J. Carter & C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 2 females, 4.xi.1990; 2 males, 20.iv.–21.iv.1998; 2 males, 19.x.1998, all Chandler leg. (NMS, PPCM); 1 male, 7.vi.–21.vi.1995; 4 males, 21.vi.–5.vii.1995; 1 male, 15.ix.–4.x.1995; 1 male, 14.vi.–1.vii.1996; 1 male, 8.vii.–22.vii.1996, all Ismay leg. (NMS, PPCM). Bushy Park, Teddington, Greater London, 1 male, 14.iv.1964, Harris leg. (BMNH). Cadair Idris, Gwynedd, 6 males, 19.vi.1993; 1 male, 3.vii.1993; 3 males, 1.viii.1993; 10 males, 4.ix.1993, all Laurence leg. (PBLN). Cairngorm, Highland Region, 1 male, 16.vi.1984, Chandler leg. (PPWM). California Country Park, Berkshire, 1 male, 6.viii.1997, Chandler leg. (PPCM). Canonteign Falls, Devon, 2 females, 23.vi.2002, J.E. Smith leg. (HRI). Catacol, Arran, North Ayrshire, 1 female, 29.v.–30.v.1919, Edwards leg. (BMNH). Cefn Grwyd, Neath/Port Talbot, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Chelsham, Surrey, 4 males, 2 females, vi.1940, Coe leg. (BMNH). Chigwell Row Wood, Chigwell Row, Essex, 1 female, 20.v.2002; 1 female, 23.v.–27.v.2002; 9 females, 11.vi.2002; 8 females, 18.vi.2002; 9 females, 28.vi.2002; 4 males, 6 females, 15.ix.2002; 1 male, 5 females, 23.ix.2002; 4 males, 3.x.2002; 4 males, 7 females, 8.x.2002; 5 males, 17 females, 16.x.2002; 4 males, 1 female, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). Chobham Common, Surrey, 1 male, vi.1940, Coe leg. (BMNH); 1 female, 8.ix.1974, Chandler leg. (NMS). Clovelly, Devon, 1 male, 8.v.1936, Edwards leg. (BMNH).

- Clowes Wood, Warwickshire, 3 males, 19.iv.1987, Withers leg. (PPWM). Coire Raibeirt, Cairngorm, Highland Region, 1 male, 16.vi.1984, Chandler leg. (NMS). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Comin Esgair Maen, Ceredigion, 1 male, 23.vii.1987; 1 male, 15.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Consall Wood, Staffordshire, 1 male, 12.x.1997, Chandler leg. (PPCM). Convil Braes, Moray, 8 males, 11.viii.1937, Coe leg. (BMNH). Corriegills, Arran, North Ayrshire, 1 female, 2.vi.–4.vi.1919, Edwards leg. (BMNH). Cors Caron, Ceredigion, 1 male, 27.vii.1987; 2 males, 5.x.1987; 1 male, 27.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Cors Erddreiniog, Isle of Anglesey, 2 males, 6.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Gorsgoch, Ceredigion, 2 males, 6.x.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Llyn Farch a Llyn Fanod, Ceredigion, 1 male, 17.ix.1986; 1 male, 1.x.1986; 1 male, 15.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Cors Penally, Pembrokeshire, 1 male, 30.ix.1987; 1 male, 14.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Coventry, West Midlands, 1 male, vii.1998, C.W. Plant leg. (NMS). Crickhowell, Powys, 1 male, 1.x.1936, Edwards leg. (BMNH). Culzean Castle, South Ayrshire, 1 male, 16.vii.1995, Chandler leg. (PPCM). Cwm Bychan, Gwynedd, 1 male, 12.vii.1976, Chandler leg. (PPCM). Darenth Wood, Kent, 1 female, 17.ix.1966, Chandler leg. (NMS). Delamere, Cheshire, 1 female, 23.viii.1953; 1 male, 7.vii.1957, all Colyer leg. (BMNH). Derrybawn, Wicklow, 1 male, 13.xi.1984, Chandler leg. (PPCM). Derrycunihy Cascade, Kerry, 1 female, 16.x.1973, Chandler leg. (PPCM). Devil's Glen, Wicklow, 1 male, 4.x.1980, Chandler leg. (PPCM). Devil's Punchbowl, Surrey, 2 males, 23.vi.1990; 1 male, 1.x.1995, all Chandler leg. (NMS). Dowrog Common, Pembrokeshire, 1 male, 29.ix.1987; 1 male, 13.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Dromore Forest, Kerry, 1 male, 15.x.1973, Chandler leg. (NMS). Drumguish, Highland Region, 1 male, 17.viii.1986, Chandler leg. (PPCM). Duddleswell, East Sussex, 1 female, 9.x.1975, Chandler leg. (NMS). Dyfryn Gwaun, Pembrokeshire, 1 male, 20.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Ebbor Gorge, Somerset, 1 male, 16.x.1986, Stubbs leg. (PPCM). Edford Wood, Somerset, 2 males, 18.x.1986, Chandler leg. (NMS). Epping Forest, Essex, 1 male, 17.viii.1998, Chandler leg. (NMS); 1 male, 25.viii.1998; 3 males, 28.i.–19.iv.1999, all Dagley leg. (PPCM). Ewden Valley, Sheffield, South Yorkshire, 1 female, 21.ix.1971, Chandler leg. (PPCM). Figyn Blaen Brefi, Ceredigion, 1 male, 2.x.1986, Holmes, Boyce & Reed leg. (PPWM). Freshwater East, Pembrokeshire, 2 males, 11.vii.1986, Chandler leg. (NMS, PPCM). Frithsden Beeches, Hertfordshire, 2 males, 16.x.1997; 1 male, 15.x.1998, all Chandler leg. (NMS, PPCM). Gearagh, Cork, 1 male, 2 females, 9.iii.1990; 1 male, 26.iv.1990; 1 male, 9.vi.1990; 1 female, 18.ix.1990; 1 male, 10.x.1990, all de Courcy Williams leg. (DEI, NMID). Glen Croe, Argyll & Bute, 1 male, 25.iv.1973, Dear leg. (BMNH). Glen of Drumloch, Moray, 2 males, 16.viii.1937, Coe leg. (BMNH). Glen of the Downs, Wicklow, 1 male, 25.vi.1975, Chandler leg. (NMS). Godlingstone Heath, Dorset, 1 male, 1.vii.1998, Chandler leg. (PPCM). Grantown-on-Spey, Highland Region, 1 male, 17.vii.1991, Chandler leg. (NMS). Grassholm, Pembrokeshire, 2 males, 25.viii.1934, Edwards leg. (BMNH). Gwenfro, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Haugh Wood, Herefordshire, 1 male, 10.x.1998, Chandler leg. (PPCM). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 32 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Hickling, Norfolk, 1 male, 1988, Foster & Procter leg. (PBLN). Headley Common, Hampshire, 1 male, 23.x.1972, Cranston leg. (BMNH). Hermon Copper Bog, Gwynedd, 1 male, 25.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Hitchin, Hertfordshire, 1 female, x.1917, Edwards leg. (BMNH). Hole of Horcum, North Yorkshire, 1 male, 31.viii.1937, Edwards leg. (BMNH). Holme Fen, Cambridgeshire, 2 males, 27.iv.1987, J.H. Cole leg. (PJCB). Hosey Common, Westerham, Kent, 2 males, 3 females, 25.ix.1966, Chandler leg. (NMS, PPCM). Kergord, Shetland, 1 male, 16.viii.–18.viii.1996, Laurence leg. (PBLN). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Kingsbury Water Park, Warwickshire, 6 males, 3 females, 13.x.2001, J.E. Smith leg. (HRI). Kismeldon Meadow, Devon, 1 male, 15.x.1988, Chandler leg. (PPCM). Knebworth, Hertfordshire, 1 male, 24.iii.1923, Edwards leg. (BMNH). Knole Park, Kent, 2 females, 6.ix.1966; 1 female, 1.x.1967; 2 females, 8.x.1973, all Chandler leg. (NMS, PPCM). Lairig Ghru, Highland Region, 1 male, 22.vii.1933, Coe leg. (BMNH). Lake Windermere, Cumbria, 1 male, 1 female, 9.vii.1927, Edwards leg. (BMNH). Lea Meadows, Newtown Linford, Leicestershire, 19 females, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Leckford Estate, Hampshire, 1 male, 15.iii.1992; 1 male, 30.x.1998, all Chandler leg. (NMS). Leebotwood, Shropshire, 3 females, 14.vii.2003, J.E. Smith leg. (HRI). Leigh-on-Sea, Essex, 1 male, 28.iv.1986, Withers leg. (PPWM). Lion Wood, Redditch, Worcestershire, 3 males, 5 females, 10.iv.2003, J.E. Smith leg. (HRI). Llyn Coethlyn, Powys, 1 male, 1.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Tyn y Mynydd, Gwynedd, 1 male, 18.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Loch Callater, Aberdeenshire, 2 males, 1 female, 22.vii.–29.vii.1937, Coe leg. (BMNH). Loch Loy, Highland Region, 1 male, 24.vii.1997, Chandler leg. (PPCM). Lochan na Lairige, Perth & Kinross, 1 male, 12.vi.–13.vi.1932, Edwards leg. (BMNH). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 6 males, 24.vii.–13.viii.1990, Jessop leg.

- (PBLN). Long Spinney, Moreton-in-Marsh, Warwickshire, 1 female, 11.x.2001, J.E. Smith leg. (HRI). Lopham Fen, Norfolk, 1 male, 11.x.1990, Withers leg. (PPWM). Lundy Island, Devon, 1 male, 20.vii.–27.vii.1972, Lane leg. (BMNH). Meall a' Churain, Stirling, 1 male, 6.vi.1937, Edwards leg. (BMNH). Meall Ghaordie, Stirling, 5 males, 17.vi.1932, Edwards leg. (BMNH). Mereworth Wood, Kent, 2 males, 1 female, 29.viii.1966, Chandler leg. (PPCM). Migdale Wood, Highland Region, 1 male, 18.x.1995, Chandler leg. (PPCM). Monkfield Wood, Cambridgeshire, 1 male, 3.vii.2002, C.W. Plant leg. (PPCM). Narborough Bog, Whetstone, Leicestershire, 1 female, 24.viii.2003, J.E. Smith leg. (HRI). New Forest, Hampshire, 4 males, 1937, no collector detail (BMNH). Newbold Comyn Park, Leamington Spa, Warwickshire, 3 females, 15.vii.2001, J.E. Smith leg. (HRI). Nûg, Conwy, 1 male, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Nutcombe Down, Surrey, 2 males, 26.vii.2002, Chandler leg. (PPCM). Oaken Wood, Barming, Kent, 2 males, 20.ix.1966, Chandler leg. (PPCM). Oakley Wood, Bishops Tachbrook, Warwickshire, 2 males, 1 female, 14.x.2001, Chandler & J.E. Smith leg. (HRI). Orlestone Wood, Kent, 1 female, 11.ix.1966, Chandler leg. (PPCM). Oxshott Heath, Surrey, 1 female, 15.x.1966, Chandler leg. (PPCM). Pant-y-Sais, Neath/Port Talbot, 1 male, 5.x.1989, Holmes, Boyce & Reed leg. (PPWM). Pen-y-Ghent, North Yorkshire, 1 male, v.1933, Edwards leg. (BMNH). Pine Wood, Berkshire, 1 male, 22.vi.2001, Gibbs leg. (PDGB). Pont Aber, Sawdde Gorge, Carmarthen, 1 male, 12.x.1995, Chandler leg. (PPCM). Powler's Piece, Devon, 1 male, 13.x.1988, Chandler leg. (NMS). Priddy, Somerset, 1 male, 16.x.1986, Chandler leg. (NMS). Rhôs Llawr Cwrt, Ceredigion, 1 male, 23.x.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôs Rhydd, Ceredigion, 1 male, 2.vii.1987; 3 males, 18.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Richmond Park, Greater London, 2 males, 1 female, 6.vi.1992, Chandler leg. (NMS). Rothamsted Wood, Harpenden, Hertfordshire, 1 male, vii.1951, Laurence leg. (PBLN). Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Rough Hill Wood, Studley, Warwickshire, 2 males, 1 female, 10.iv.2003, J.E. Smith leg. (HRI). Ryton Wood, Bubbenhall, Coventry, West Midlands, 22 males, 26 females, 12.x.2001, Chandler & J.E. Smith leg. (HRI); 25 males, 4 females, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Savernake Forest, Wiltshire, 1 male, 21.iv.–13.vi.1990, Porter leg. (PPCM). Selsdon, Greater London, 1 male, 4 females, 25.iv.1937; 1 male, 1 female, 9.v.1937, all Coe leg. (BMNH). Shefford, Bedfordshire, 2 males, 1 female, x.1917; 1 female, 17.xi.1917, all Edwards leg. (BMNH). Silchester Common, Hampshire, 1 female, 1.x.1972, Chandler leg. (PPCM). Silwood Park, Berkshire, 2 males, 2 females, 25.ix.1957, Richards leg. (BMNH). Slepe Heath, Dorset, 1 female, 19.ix.1975, Chandler leg. (NMS). Sliderry, Arran, North Ayrshire, 1 male, viii.1925, J. Waterston leg. (BMNH). Sned Wood, Lower Lye, Herefordshire, 9 males, 8 females, 14.vii.2003, J.E. Smith leg. (HRI). Spinningdale, Highland Region, 1 male, 14.v.1994, Entwistle leg. (PPCM). St. David's Airfield, Pembrokeshire, 1 male, 12.x.1987, Holmes, Boyce & Reed leg. (PPWM). Stanford, Norfolk, 4 males, 27.iii.–10.iv.1988, Collier leg. (PPWM). Sutton Park, Birmingham, West Midlands, 19 males, 17 females, 7.iv.2003, J.E. Smith leg. (HRI). The Dingle, Isle of Anglesey, 1 male, 5.vii.1987, Chandler leg. (NMS). The Loke, Norwich, Norfolk, 2 males, 26.iv.1987; 1 male, 24.x.–25.x.1987; 1 male, 19.vii.1988; 1 male, 18.ix.–20.ix.1988; 1 male, no date, all Laurence leg. (PBLN). Thetford Forest, Norfolk, 1 female, 10.iv.1973, Chambers leg. (BMNH). Thundersley Glen, Essex, 2 males, 30.iv.1986, Withers leg. (PPWM). Trefeiddan Moor, Pembrokeshire, 1 male, 29.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Tubney, Oxfordshire, 1 male, 20.iv.1908, Hamm leg. (UMO). Upton Broad, Norfolk, 1 male, 15.x.1983, Withers leg. (PPWM). Vicarage Bog, Wrexham, 4 males, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Victoria Falls, Highland Region, 1 male, 19.ix.1989, Chandler leg. (NMS). Walberswick, Suffolk, 2 males, 2 females, 7.iii.1973, Chambers leg. (BMNH). Waun Isaf, Pembrokeshire, 1 male, 28.ix.1987, Holmes, Boyce & Reed leg. (PPWM). West Harling Common, Norfolk, 1 male, 1.iv.1989; 2 males, 23.iv.1991, all Withers leg. (PPWM). Western Cleddau, Pembrokeshire, 1 male, 7.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Westhide, Herefordshire, 1 male, 9.x.1998, Chandler leg. (NMS). Weston, Hertfordshire, 1 male, 4.x.1931, Edwards leg. (BMNH). Whichford Wood, Moreton-in-Marsh, Warwickshire, 2 males, 2 females, 11.x.2001, J.E. Smith leg. (HRI). Willes Meadow, Leamington Spa, Warwickshire, 1 female, 27.viii.2002, Menzel leg. (DEI). Windbury, Devon, 1 male, 18.v.1987, Chandler leg. (NMS). Windsor Forest, Berkshire, 1 male, 24.vi.1950, Colyer leg. (BMNH); 1 female, 28.iii.1971; 1 male, 13.vi.1987, all Chandler leg. (NMS, PPCM). Wisley, Surrey, 1 male, 1.iii.1923; 1 male, 5.ix.1923, all Dudgeon leg. (BMNH). Wokefield Common, Berkshire, 1 male, 1.x.1972, Chandler leg. (NMS). Wolford Wood, Moreton-in-Marsh, Warwickshire, 8 males, 4 females, 11.x.2001, Chandler & J.E. Smith leg. (HRI). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH). Wyre Forest, Worcestershire, 1 male, 18.vii.1971; 1 male, 14.x.1984, all Chandler leg. (NMS). Wytham Woods, Wytham, Oxfordshire, 2 females, 21.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Yell, Shetland, 1 male, 3.ix.–19.ix.1990, Laurence leg. (PBLN). Ynys Eidiol, Ceredigion, 5 males, 9.x.1987; 1 male, 28.x.1987, all Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: very common in broad-leaved, mixed, pine and carr woodland; conifer plantations; dry and wet heathland; wetlands including fens, mires, bogs, wet meadows, sedge bed and *Sphagnum* kettlehole; parkland; grounds of horticultural research station; gardens; grassland and scrub; marginal vegetation by upland lake; thrift flush; sea cliff; salt marshes and reed beds; rocky island with seabird colonies; very common in open montane habitats. Reared from decaying vegetable matter; orchids and rotten log. ii–xi.

EPIDAPUS HALIDAY, 1851

EPIDAPUS (EPIDAPUS) ALNICOLA (TUOMIKOSKI, 1957)

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 1.vi.–8.vi.1999, Ismay leg. (PPCM). Epping Thicks, Epping Forest, Essex, 1 male, viii.1999, Dagley leg. (PPCM). Old Slade, Buckinghamshire, 5 males, 21.iv.–12.v.1972 (reared), Chandler leg. (PPCM). Plas Islyn Bog, Conwy, 1 male, 5.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, J.E. Smith leg. (HRI). Temple, Berkshire, 1 male, 3.iv.1934 (reared), Basden leg. (BMNH). West End Common, Esher, Surrey, 1 male, 17.vii.2002, Chandler leg. (PPCM). Woodwalton Fen, Cambridgeshire, 21 males, 7.vi.1940, Edwards leg. (BMNH).

Ecological notes: found in broad-leaved and carr woodland; fen; rotten birch log with ants *Myrmica ruginodis*. Reared from rotten elm log and rotting wood. iv–viii.

EPIDAPUS (EPIDAPUS) ATOMARIUS (DE GEER, 1778)

Synonyms: *acutehomerata* (Venturi, 1964); *brevipalpis* (Kieffer, 1903); *degeerii* (Bigot, 1854); *melina* (Schmitz, 1915); *monocalcarata* (Vimmer, 1928); *moravica* (Czizek, 1917); *pumila* (Winnertz, 1853); *soudeki* (Vimmer, 1926); *venaticus* Haliday in Walker, 1856.

Literature: Haliday in Walker (1856): 56 [as *Epidapus venaticus*]; Freeman (1983b): 26; Laurence (1996): 87 [in part]; Laurence (1997a): 85 [in part]; Laurence & James (1997): 166 [in part]; Menzel (1998): 21; Menzel & Mohrig (2000): 315.

Material examined: Becky Woods, Manaton, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Berwick-upon-Tweed, Northumberland, 1 male, iv.1999, Laurence leg. (PBLN). Bradfield Wood, Suffolk, 1 male, v.1991; 1 male, 23.v.–30.v.1991; 1 male, 16.viii.–22.viii.1991, all Laurence leg. (PBLN). Brandon Marsh, Ryton-on-Dunsmore, Coventry, West Midlands, 1 male,

12.x.2001, J.E. Smith leg. (HRI). Burnham Beeches, Buckinghamshire, 1 male, 31.viii.–13.ix.1996, Ismay leg. (PPCM). Cadair Idris, Gwynedd, 1 male, 13.xi.1993, Laurence leg. (PBLN). Farnham Royal, Buckinghamshire, 1 male, 20.v.1931 (reared), Basden leg. (BMNH). Freshfield, Merseyside, 3 males, 22.vi.–23.vi.1932 (reared), Warwick leg. (BMNH). Kingsbury Water Park, Warwickshire, 1 male, 13.x.2001, J.E. Smith leg. (HRI). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 24.vii.–13.viii.1990, Jessop leg. (PBLN). Rothamsted, Harpenden, Hertfordshire, 1 male, 3.viii.1950, Laurence leg. (PBLN). The Loke, Norwich, Norfolk, 1 male, 21.iv.1988, Laurence leg. (PBLN). Wellesbourne, Warwickshire, 1 male, 13.ix.–4.x.2001, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved and carr woodland; wooded lake margin with reed beds; fen with *Carex paniculata*, *Carex riparia*, *Cladium*, *Equisetum*, *Phragmites*, *Schoenus nigricans* and *Sphagnum*; grazed *Molinia* and *Myrica*; blanket bog; former gravel workings; grazed grassland; parkland; gardens; grounds of horticultural research station; open montane habitats. Reared from nest of blue tit and dun-nock. iv–xi.

EPIDAPUS (EPIDAPUS) GRACILIS (WALKER, 1848)

Synonyms: *aptera* (Kieffer, 1903); *edwardsi* Freeman, 1983; *gracilis* (Winnertz, 1853) [preocc.]; *longicornis* (Lengersdorf, 1941); *pulicina* (Frey, 1952).

Literature: Walker (1848): 109; Walker (1856): 55 [all as *Sciara*]; Freeman (1983a): 170; Freeman (1983b): 26 [all in part as *Epidapus edwardsi*]; Laurence (1996): 85; Laurence (1997a): 87; Laurence & James (1997): 166 [all in part as *Epidapus atomarius*, misidentification]; Menzel (1998): 21; Menzel & Mohrig (2000): 319; Withers (2002): 114.

Material examined: Balmoral Forest, Aberdeenshire, 1 male, 1.viii.–4.viii.1937, Coe leg. (BMNH). Bradfield Wood, Suffolk, 1 female, x.1990; 6 males, v.1991; 2 males, 3 females, 16.viii.–22.viii.1991, all Laurence leg. (PBLN). Belch-y-dwr, Gwynedd, 1 male, 14.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 16.x.2002, Ismay & Schulten leg. (DEI). Cors Geirch, Gwynedd, 1 male, 7.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cwm Crafnant, Gwynedd, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Dickleburgh, Norfolk, 1 male, 7.v.1988, Withers leg. (PPWM). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Gors Goch, Powys, 1 male, 18.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Llanon, Swansea/Abertawe, 1 male, 13.vii.1989, Holmes,

Boyce & Reed leg. (PPWM). Luton Airport, Bedfordshire, 1 male, 20.iv.–6.v.1999, C.W. Plant leg. (PPCM). New Close Wood, Brandon, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Stanford, Norfolk, 2 males, 27.iii.–10.iv.1988, Collier leg. (PPWM). Todd's Green, Hertfordshire, 1 male, 4.v.1938, no collector detail (BMNH). No locality details, England, 1 male, no date, Walker leg. [lectotype of *Sciara gracilis*] (BMNH).

Ecological notes: found in broad-leaved woodland; conifer plantations; heathland (heather, *Juncus*, *Deschampsia*) with ancient and secondary woodland; blanket bog; *Molinia* bog; raised bog; ungrazed heather; *Schoenus nigricans*, *Sphagnum* and *Phragmites*; grazed *Molinia* and *Myrica*; calcareous grassland. iii–v, vii–x.

EPIDAPUS (EPIDAPUS) MICROTHORAX (BÖRNER, 1903)

Synonyms: *gracilicornis* (Lengersdorf, 1926); *intermittens* Tuomikoski, 1959; *obenbergeri* (Vimmer, 1926); *subdetrita* (Kratochvil, 1936); *subdetrita* var. *bispina* (Kratochvil, 1936); *subdetrita* var. *monospina* (Kratochvil, 1936); *subdetrita* var. *trispina* (Kratochvil, 1936).

Literature: Edwards (1925a): 544; Perry & Stubbs (1978): 71 [all as *Epidapus gracilis*, misidentification]; Freeman (1983b): 26 [as *Epidapus edwardsi*, misidentification]; Laurence (1997a): 85 [as *Epidapus edwardsi*, misidentification].

New to British list.

Material examined: Bradfield Wood, Suffolk, 1 male, 9.iv.–16.iv.1990; 1 male, 23.v.–30.v.1991, all Laurence leg. (PBLN). Brandyquoi, Kirkwall, Orkney, 1 male, v.–vi.1999; 1 male, v.–vi.2001, all Laurence leg. (PBLN). Cothill, Oxfordshire, 1 male, 1.v.1940, Edwards leg. (BMNH). Crickhowell, Powys, 1 male, v.1937, Edwards leg. (BMNH). Gors Maen-llwyd, Denbighshire, 1 female, 25.vi.1988, Holmes, Boyce & Reed leg. (PPCM). Granish, Highland Region, 1 female, 17.vi.1968, Aubrook leg. (BMNH). Letchworth, Hertfordshire, 1 male, v.1917; 1 male, vii.1917; 1 male, ix.1936, all Edwards leg. (BMNH). Malham Tarn, North Yorkshire, 1 male, 3.vi.–5.vi.1982, Disney leg. (BMNH). New Malden, Greater London, 1 male, 31.v.1932, Coe leg. (BMNH). Sand, Shetland, 1 male, 11.vi.–12.vi.1998, Laurence leg. (PBLN). Sidmouth, Devon, 1 male, 17.viii.–21.viii.1926, Edwards leg. (BMNH). Tewin, Hertfordshire, 1 male, ix.1922 (reared), Edwards leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 18.v.–23.v.1992; 1 male, 21.v.–23.v.1993, all Laurence leg. (PBLN). Walker Farm, Stonebyres, South Lanarkshire, 1 male, 23.v.1977, no collector detail (BMNH).

Ecological notes: found in broad-leaved woodland; carr woodland and fen; blanket bog remnant; bog and lake-shore; garden. Reared from beech detritus; the fungus *Hypholoma velutinum*. iv–ix.

EPIDAPUS (EPIDAPUS) SCHILLEI (BÖRNER, 1903)

Synonyms: *absoloni* Czizek, 1915; *titan* Frey (1948).

Literature: Edwards (1925a): 544 [as *Epidapus atomarius*, misidentification]; Menzel (1998): 21.

Material examined: Balmoral Forest, Aberdeenshire, 1 male, 1.viii.–4.viii.1937, Coe leg. (BMNH). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Gibbs leg. (PDGB). Blaen y Wergloedd, Conwy, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Bradfield Wood, Suffolk, 1 male, 23.v.–30.v.1991, Laurence leg. (PBLN). Burnham, Buckinghamshire, 1 male, 15.ix.1934, Basden leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 male, 14.vi.–17.vi.1996; 5 males, 28.v.–26.xi.1996, all Ismay leg. (PPCM). Cadair Idris, Gwynedd, 1 male, 13.xi.1993, Laurence leg. (PBLN). Coed Tycanol, Pembrokeshire, 1 male, 29.vi.1994, Levey & Pavett leg. (PPCM). Cors Erddreiniog, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Geirch, Gwynedd, 1 male, 7.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Penally, Pembrokeshire, 1 male, 14.x.1987, Holmes, Boyce & Reed leg. (PPWM). Dart Head, Devon, 1 male, 1.vi.1920, Edwards leg. (BMNH). Epping Forest, Essex, 1 male, v.1999, Dagley leg. (PPCM). Farnham Royal, Buckinghamshire, 1 male, 18.v.1931 (reared), Basden leg. (BMNH). Glasshouse Crops Research Station, Littlehampton, West Sussex, 2 males, 23.x.1956, Hussey leg. (HRI). Glen Coiltie, Highland, 1 male, 28.v.2002, Chandler leg. (PPCM). Glen Lochay, Perth & Kinross, 1 male, 3.vi.–18.vi.1932, Edwards leg. (BMNH). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 20 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Kingsbury Water Park, Warwickshire, 1 male, 13.x.2001, J.E. Smith leg. (HRI). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Lion Wood, Redditch, Worcestershire, 3 males, 10.iv.2003, J.E. Smith leg. (HRI). Llanbrynmair Moor, Powys, 1 male, 1.viii.1988, Holmes, Boyce & Reed leg. (PPWM). New Close Wood, Brandon, Warwickshire, 4 males, 28.viii.2003, Menzel leg. (DEI). Ryton Wood, Bubbenhall, Coventry, West Midlands, 2 males, 12.x.2001, J.E. Smith leg. (HRI); 5 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Sned Wood, Lower Lye, Herefordshire, 3 males, 14.vii.2003, J.E. Smith leg. (HRI). Stonebyres, Walker Farm, South Lanarkshire, 1 male, 23.v.1977, no collector detail (BMNH). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 5 males, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI).

Warren Wood, Honingham, Norfolk, 1 male, 1.xi.1980, Evans leg. (BMNH). Western Cleddau, Pembrokeshire, 1 male, 23.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Whitefield, Greater Manchester, 1 male, 23.vi.1932 (reared), Warwick leg. (BMNH). Wood Crates, New Forest, Hampshire, 1 male, viii.1936, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 2 males, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: very common in broad-leaved woodland; also found in mixed woodland; conifer plantations; wooded lake margin; reed beds; grounds of horticultural research station; calcareous grassland; parkland, wet meadow; open montane habitats. Reared from the fungus *Stereum sanguinolentum* and nests of robin and dunnock. iv–xi.

***EPIDAPUS (EPIDAPUS) SUBGRACILIS* MENZEL & MOHRIG SP. NOV.**

New to British list.

Material examined: Epping Forest, Monument Field, Essex, 1 male, 29.iii.1999, Dagley leg. [paratype of *Epidapus subgracilis*] (PPCM).

Ecological notes: found in grassland adjacent to ancient broad-leaved woodland. iii.

***EPIDAPUS (PSEUDOAPTANOGYNA) ABSCONDITUS* (VIMMER, 1926)**

Synonym: *flabellata* (Lengersdorf, 1942).

New to British list.

Material examined: Coed Tycanol, Pembrokeshire, 1 male, 1999, Levey & Pavett leg. (PPCM). Epping Forest, Essex, 2 males, viii.1998; 1 male, vi–vii.1999; 1 male, ix.2000, all Dagley leg. (PPCM). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 3 males, 28.viii.2003, Menzel leg. (DEI). Whitacre Heath, Warwickshire, 3 males, 13.x.2001, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved woodland; willow carr with birch and reed beds; old sand and gravel workings; wetland and grassland. vi–x.

***EPIDAPUS (PSEUDOAPTANOGYNA) ECHINATUM* MOHRIG & KOZÁNEK, 1992**

New to British and European list.

Material examined: Blaen Cilieni, Powys, 1 male, 5.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cleddon Bog, Monmouthshire, 1 male, 24.v.1988; 1 male, 10.vi.1988, all Holmes, Boyce & Reed leg. (DEI, PPWM). Cors Caranod, Ceredigion, 1 male,

25.vi.1987, Holmes, Boyce & Reed leg. (PPWM). Crymlyn Bog, Swansea/Abertawe, 1 male, 13.vii.1988, Holmes, Boyce & Reed leg. (DEI).

Ecological notes: found on damp heath; *Carex paniculata* and *Molinia* heath; valley fen; *Molinia* bog. v–vii.

Taxonomic note: Until now, only the type of this species from North Korea was known (Mohrig, Menzel & Kozánek, 1992). In the British specimens the palpi were sometimes only 2-segmented and in contradiction to the original description there were often only 3 strong spines of similar length on the apex of the gonostyles [one dorsal spine almost on the outer angle; with inward/downward-pointing spines arranged in 2 pairs subapically below].

HYPERLASION SCHMITZ, 1918

***HYPERLASION WASMANNI* SCHMITZ, 1918**

Literature: Laurence (1994): 108; Laurence (1997a): 85; Menzel (1998): 21 [as *Cratyna (Cratyna)*].

Material examined: Bradfield Wood, Suffolk, 1 male, 7 females, 6.vii.–11.vii.1990; 1 female, vii.1990; 7 females, 16.viii.–22.viii.1991, all Laurence leg. (DEI, PBLN). Burnham Beeches, Buckinghamshire, 9 males, 7 females, 20.vii.–16.viii.1995; 21 males, 2.viii.–26.viii.1995, all Ismay leg. (HRI, PPCM). Chigwell Row Wood, Chigwell Row, Essex, 22 males, 20 females, 15.ix.2002; 27 males, 15 females, 23.ix.2002; 1 male, 3.x.2002; 1 male, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). Doncaster, South Yorkshire, 53 males, 61 females, 30.vii.1993, Skidmore leg. (DEI). Epping Forest, Essex, 1 male, vii.1999, Dagley leg. (PPCM). Hatfield Moor, Doncaster, South Yorkshire, 28 males, 20.viii.1996, Skidmore leg. (DEI). Hickling, Norfolk, 1 female, 15.viii.–29.viii.1990, Foster & Procter leg. (PPCM). Linwood, New Forest, Hampshire, 1 male, viii.1936, Edwards leg. (BMNH). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 25 females, 24.vii.–13.viii.1990, Laurence leg. (PBLN); 1 male, 14.vii.–13.viii.1990; 3 females, 24.vii.–13.viii.1990, all Jessop leg. (PBLN). Newbold Comyn Park, Leamington Spa, Warwickshire, 2 females, 29.vii.2001, J.E. Smith leg. (HRI). Nûg, Conwy, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: common in broad-leaved and carr woodland; also found in young mixed woodland; heathland (heather, *Juncus*, *Deschampsia*); sedge bed; raised bog; damp meadow. vii–x.

Taxonomic note: Only '1919' is printed on the cover of the issue 1–2 of volume 61 of 'Tijdschrift voor Entomologie', in which is the article by Hermann Schmitz 'Neue Beiträge zur Kenntnis der Sciariden mit reduzierten Maxillarpalpen', which is incorrect. On the 2nd

page of the cover there is the following entry that was not recorded to date: 'Aflivering 1 en 2 (blz. 1–142) uitgegeven 15 Juli 1918' [= 'Entries 1 and 2 (pages 1–142) issued on 15 July 1918']. After that the original descriptions of *Hyperlasion* Schmitz und *Hyperlasion wasmanni* Schmitz are correctly dated as 1918.

LEPTOSCIARELLA TUOMIKOSKI, 1960

LEPTOSCIARELLA (HIRTIPENNIA) HIRTIPENNIS
(ZETTERSTEDT, 1838)

Synonyms: *absurda* (Winnertz, 1867); *hirtipennis* var. *minor* (Frey, 1948); *jugicola* (Strobl, 1898); *parcepilosa* var. *opacicollis* (Strobl, 1902).

Literature: Edwards (1925a): 533 [as *Trichosia absurda*]; Edwards (1926b): 142 [as *Trichosia*]; Freeman (1983b): 20 [as *Trichosia (Leptosciarella) absurda*]; King (1991): 43 [as *Trichosia*]; Mohrig & Menzel (1997): 46; Menzel (1998): 21.

Material examined: Craigellachie, Aviemore, Highland Region, 1 male, 30.v.2002, Chandler leg. (PPCM). Glen Glass, Highland Region, 1 male, 15.vi.1984, Vane-Wright leg. (PPCM). Hungerford, Berkshire, 1 female, 14.v.1927, Hurst leg. (BMNH). Llanmynach Hills, Shropshire, 1 male, 23.v.1994, J.H. Cole leg. (PJC). New Forest, Hampshire, 1 female, 23.viii.1902; 1 female, 23.v.1907, all Adams leg. (BMNH).

Ecological notes: found in birch and other broad-leaved woodland; grassland and scrub in old limestone quarry. v–vi, viii.

LEPTOSCIARELLA (HIRTIPENNIA) PARCEPILOSA
(STROBL, 1900)

Synonym: *quadririgata* (Strobl, 1909).

New to British list.

Material examined: Kelham Bridge, Ravenstone, Leicestershire, 1 female, 24.viii.2003, Menzel leg. (DEI).

Ecological notes: found in wet meadow with reed beds around pools. viii.

LEPTOSCIARELLA (LEPTOSCIARELLA) BREVIPALPA
(MOHRIG & MENZEL, 1992)

New to British list.

Material examined: Milham Ford School, Oxford, Oxfordshire, 1 male, 18.vi.–25.vi.2002, Webb leg. (PPCM).

Ecological notes: found in school grounds with old poplars. vi.

LEPTOSCIARELLA (LEPTOSCIARELLA) CERIFERA
MOHRIG & MENZEL, 1997

Literature: Chandler *et al.* (2002): 123.

Material examined: Afon Tywi, Carmarthen, 1 male, 17.x.1995, McLean leg. (PPCM). Ban-y-Gor Wood, Gloucestershire, 1 male, 12.ix.2002, Gibbs leg. (PDGB). Crickley Hills Country Park, Gloucestershire, 1 male, 12.x.1979, Chandler leg. (PPCM). Dinefwr Park, Carmarthen, 1 male, 12.x.1995, Chandler leg. (PPCM). Dromore Forest, Kerry, 1 male, 15.x.1973, Chandler leg. (PPCM). Edge Hill, Warwickshire, 1 male, 14.x.2001, Chandler leg. (HRI). Fishpool Valley, Herefordshire, 1 male, 12.x.1989, Chandler leg. (PPWM). Folly Farm, Avon, 1 male, 12.ix.2000, Gibbs leg. (PDGB). Gearagh, Cork, 1 male, 2 females, 26.ix.1990, de Courcy Williams leg. (DEI, NMID). Hobb's Quarry, Gloucestershire, 1 male, 4.ix.2002; 1 male, 15.v.2003, all Gibbs leg. (PDGB). Lancut Nature Reserve, Gloucestershire, 1 male, 5.ix.2002, Gibbs leg. (PDGB). Longborough, Gloucestershire, 2 males, 8.iv.2003, J.E. Smith leg. (HRI). Monk Wood, Avon, 1 male, 22.ix.2000, Gibbs leg. (PDGB). Ridley Wood, Hampshire, 1 male, 15.iv.1949, Colyer leg. (BMNH). Rough Hill Wood, Studley, Warwickshire, 1 male, 10.iv.2003, J.E. Smith leg. (HRI). Scadbury Park, Greater London, 1 male, 22.x.1983, Chandler leg. (PPWM). Stroat, Gloucestershire, 1 male, 13.x.1979, Stubbs leg. (NMS). Symond's Yat, Herefordshire, 2 males, ix.1936, Edwards leg. (BMNH).

Ecological notes: widespread in broad-leaved woodland (incl. calcareous and neutral); parkland. iv–v, ix–x.

LEPTOSCIARELLA (LEPTOSCIARELLA) DIMERA
(TUOMIKOSKI, 1960)

New to British list.

Material examined: Epping Forest, Essex, 3 males, 16.viii.–18.ix.1998; 4 males, v.–vii.1999; 2 males, vi.2000, all Dagley leg. (PPCM). Newbold Comyn Park, Leamington Spa, Warwickshire, 4 males, 29.vii.2001, J.E. Smith leg. (HRI). Windsor Forest, Berkshire, 1 male, 6.ix.1986, Chandler leg. (PPWM).

Ecological notes: found in ancient broad-leaved woodland; young mixed woodland and damp meadow. v–ix.

LEPTOSCIARELLA (LEPTOSCIARELLA) FUSCIPALPA
(MOHRIG & MAMAEV, 1979)

New to British and Irish list.

Material examined: Badger Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. (PPCM). Bagley Wood, Oxfordshire, 1 male, 20.v.–21.v.1933, Edwards leg.

(BMNH). Blair Atholl, Perth & Kinross, 1 male, 28.v.1973, Chandler leg. (NMS). Blean Wood, Kent, 1 male, 30.iv.1965, Parmenter leg. (BMNH); 2 males, 19.v.1973, no collector detail (BMNH). Bromley, Greater London, 1 male, 15.v.1971, Chandler leg. (PPCM). Buckingham Thick Copse, Northamptonshire, 1 male, 9.vi.1992, Warne leg. (PPCM). Burnham Beeches, Buckinghamshire, 2 males, 6.v.1914, Edwards leg. (BMNH); 3 males, 21.iv.1998, Chandler leg. (PPCM). Cambridge, Cambridgeshire, 1 male, 12.v.1913, Edwards leg. (BMNH). Chigwell Row Wood, Chigwell Row, Essex, 1 female, 11.vi.2002; 1 female, 18.vi.2002; 1 female, 28.vi.2002; 1 male, 26.ix.2002, all Ismay & Schulten leg. (DEI). Clothall, Hertfordshire, 1 male, 4.v.1918, Edwards leg. (BMNH). Clovelly, Devon, 7 males, 8.v.1936, Edwards leg. (BMNH). Coombe, Cornwall, 1 male, 7.vii.1986, Chandler leg. (NMS). Corrimony, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Craigellachie, Aviemore, Highland Region, 1 male, 30.v.2002, Chandler leg. (PPCM). Crickhowell, Powys, 1 male, v.1937, Edwards leg. (BMNH). Cuckoo Wood, Downe, Greater London, 1 male, 23.vi.1979, Chandler leg. (NMS). Dinton Pastures Country Park, Berkshire, 1 male, 25.iv.1993; 1 male, 20.ix.1998, all Chandler leg. (PPCM). Ditchley, Oxfordshire, 2 males, v.1937, Edwards leg. (BMNH). Ebbor Gorge, Somerset, 1 male, 3.vii.1985, Chandler leg. (PPCM). Epping Forest, Essex, 7 males, 1 female, 19.iv.–25.iv.1999, Dagley leg. (HRI, PPCM); 1 male, 24.v.1999, Chandler leg. (PPCM). Eyeworth Wood, New Forest, Hampshire, 1 male, 6.vi.1987, Chandler leg. (PPCM). Falls of Tarnash, Moray, 1 male, 1.vii.1936, Coe leg. (BMNH). Gearagh, Cork, 1 male, 22.iv.1990, de Courcy Williams leg. (NMID). Glen Coiltie, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Glen Lochay, Stirling, 3 males, 3.vi.–8.vi.1932, Edwards leg. (BMNH). Gunnerside, North Yorkshire, 1 male, 27.vi.1981, Chandler leg. (PPCM). Harrow, Greater London, 1 male, 24.v.1914, Edwards leg. (BMNH). Hartslock, Oxfordshire, 1 male, 6.v.2000; 2 males, 14.v.2000, all Raper leg. (PDGB). Hickling, Norfolk, 1 male, 8.vi.–22.vi.1989, Foster & Procter leg. (PPCM). Hod Hill, Dorset, 1 male, 22.v.1968, Parmenter leg. (BMNH). Holker Moss, Cumbria, 1 male, 11.vii.–13.vii.1923, Edwards leg. (BMNH). Ingleton, North Yorkshire, 1 male, 20.vi.1924, Edwards leg. (BMNH). Letchworth, Hertfordshire, 3 males, vi.1917; 1 male, iv.1918, all Edwards leg. (BMNH). Linn of Dee, Aberdeenshire, 1 male, 31.v.1998, Chandler leg. (PPCM). Loch Chon, Stirling, 1 male, 22.vi.1999, Chandler leg. (NMS). Loch Meiklie, Highland Region, 1 male, 13.vi.1984, Chandler leg. (PPCM). Lodge Wood, Berkshire, 1 male, 2.v.1994, Chandler leg. (PPCM). Monkfield Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (NMS). Oakland Wood,

Cambridgeshire, 2 males, 1.vi.–30.vi.1998, C.W. Plant leg. (PPCM). Oakley Inclosure, New Forest, Hampshire, 1 male, 17.iv.1953, Colyer leg. (BMNH). Reeligh Glen, Moniak, Highland Region, 1 male, 20.v.1994, Chandler leg. (PPCM). Rosemarkie, Highland Region, 1 male, 29.v.2002, Merrifield leg. (PPCM). Sannox, Arran, North Ayrshire, 1 male, 26.v.–28.v.1919, Edwards leg. (BMNH). Savernake Forest, Wiltshire, 4 males, 3.v.1993, Chandler leg. (PPCM). Selsdon, Greater London, 1 male, 16.v.1932, Coe leg. (BMNH). Sheep Leas, West Horsley, Surrey, 1 male, 18.v.1991, Chandler leg. (PPCM). Shortwood, Gloucestershire, 1 male, 12.vi.2002, Gibbs leg. (PDGB). Sidmouth, Devon, 1 male, 10.v.1936; 1 male, 1.vi.1938, all Edwards leg. (BMNH). Skinner's Pastures, Cumbria, 2 males, 17.vi.1999, Chandler leg. (PPCM). Spreacombe Chapel Wood, Devon, 1 male, 6.vii.1986, Chandler leg. (PPCM). Staffhurst Wood, Surrey, 2 males, 18.v.–19.v.1991, Chandler leg. (PPCM). Stonybrow Wood, Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Tarradale House, Highland Region, 1 male, v.2002, Sumner leg. (PPCM). Tynron, Dumfries & Galloway, 1 male, 26.v.1945, Duncan leg. (NMS). Verwood, Dorset, 1 male, 15.iv.1953, Colyer leg. (BMNH). Windsor Forest, Berkshire, 1 male, 8.vi.1979; 1 male, 21.v.1988; 1 male, 15.vi.1991, all Chandler leg. (NMS, PPCM). Wytham Woods, Wytham, Oxfordshire, 1 male, 1 female, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: very common in broad-leaved, mixed and carr woodland; ancient woodland with oak, hazel and bramble; pine woodland; heathland (heather) with oak and holly; sedge bed; lakeshore marsh; wooded river bank; water meadows and gravel pits, old hedges; calcareous grassland; garden. iv–ix.

LEPTOSCIARELLA (LEPTOSCIARELLA) MELANOMA
(MOHRIG & MENZEL, 1990)

Literature: Mohrig & Menzel (1997): 66; Menzel (1998): 21; Chandler *et al.* (2002): 123.

Material examined: Bagley Wood, Oxfordshire, 1 male, 18.v.1936, Edwards leg. (BMNH). Ballyvourney, Cork, 1 male, 10.vii.1990, Withers leg. (PPWM). Burnham Beeches, Buckinghamshire, 4 males, 18.v.–29.v.1999; 8 males, 25.v.–1.vi.1999, all Ismay leg. (HRI, PPCM); 1 male, 1.vi.–8.vi.1999, Chandler leg. (HRI). Culbin Sands, Highland Region, 1 male, 5.viii.–7.viii.1936, Coe leg. (BMNH). Epping Forest, Essex, 1 male, vi.2000, Dagley leg. (PPCM). Falls of Tarnash, Moray, 1 male, 1.vii.1936, Coe leg. (BMNH). Glen of Drumloch, Moray, 1 male, 10.vii.1936, Coe leg. (BMNH). Glen of Knocknarea, Sligo, 1 male, 1.x.1977, Chandler leg. (PPCM). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Loch

Park, Moray, 2 males, 3.vii.1936, Coe leg. (BMNH). Raindale, North Yorkshire, 1 male, 19.vii.1996, Godfrey leg. (PPCM). Scadbury Park, Greater London, 1 male, 18.vi.1983, Chandler leg. (PPCM). The Ritec, Pembrokeshire, 1 male, 22.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Wheatfen Broad, Norfolk, 1 male, 19.v.1990, Withers leg. (PPWM). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH).

Ecological notes: common in broad-leaved woodland; mixed woodland; dunes and conifer plantations; wooded gorge; fen and alder carr; *Phragmites*; wet meadow. v–viii, x.

LEPTOSCIARELLA (LEPTOSCIARELLA) NIGROSETOSA
(FREEMAN, 1990) RESTIT.

Synonym: *truncatula* Mohrig & Menzel, 1997 syn. nov.

Literature: Freeman (1990): 54; Laurence (1997a): 85 [all as *Corynoptera*]; Mohrig & Menzel (1997): 80; Menzel (1998): 22 [all as *Leptosciarella truncata*, misidentification and incorrectly synonymized from *Leptosciarella nigrosetosa* to *Leptosciarella truncata*].

Material examined: Bradfield Wood, Suffolk, 3 males, 23.v.–30.v.1991, Laurence leg. (PBLN). Monk's Wood, Cambridgeshire, 1 male, 18.vi.1978, J.H. Cole leg. [holotype of *Corynoptera nigrosetosa*] (BMNH).

Ecological notes: found in broad-leaved woodland; ancient woodland on clay. v–vi.

Taxonomic note: Mohrig & Menzel (1997) incorrectly synonymized *Corynoptera nigrosetosa* Freeman with *Leptosciarella truncata* (Tuomikoski). *Corynoptera nigrosetosa* Freeman is identical to *Leptosciarella truncatula* Mohrig & Menzel. The result of the comparison of the types for this *Leptosciarella*-species is that '*nigrosetosa* (Freeman, 1990)' is the correct name and '*truncatula* Mohrig & Menzel, 1997' will be a synonym of *nigrosetosa* (Freeman).

LEPTOSCIARELLA (LEPTOSCIARELLA) PILOSA
(STAEGER, 1840)

Synonyms: *elegans* var. *defecta* (Strobl, 1910); *subspinulosa* (Edwards, 1925a).

Literature: Edwards (1925a): 536 [as *Sciara subspinulosa*]; Freeman (1983b): 20 [as *Trichosia (Leptosciarella) subspinulosa*]; Chandler *et al.* (1996): 258 [as *Trichosia (Leptosciarella) verburyi* [recte *yerburyi*], misidentification]; Mohrig & Menzel (1997): 72; Menzel (1998): 21; Chandler *et al.* (2002): 123 [as *Leptosciarella pilosa* and *Leptosciarella subspinulosa*].

Material examined: Balnaguard Burn, Perth & Kinross, 1 male, 1.vi.1998, Chandler leg. (NMS). Brae-

langwell, Highland Region, 3 males, 29.v.2002, Chandler leg. (PPCM). Brodick, Arran, North Ayrshire, 1 male, 22.v.–25.v.1919, Edwards leg. [paratype of *Sciara subspinulosa*] (BMNH). Charleville Wood, Offaly, 3 males, 15.vi.1985, Chandler leg. (PPWM). Cilkenny Dingle, Powys, 1 male, 22.v.1979, Chandler leg. (PPCM). Devil's Glen, Wicklow, 1 male, 10.vi.1985, Chandler leg. (PPCM). Feshiebridge, Highland Region, 1 male, 29.v.1975, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 9.vii.1990, Withers leg. (PPWM). Hickling Broad, Norfolk, 1 male, 3.viii.1988, Withers leg. (PPWM). Lancut Nature Reserve, Gloucestershire, 1 male, 28.v.2003, Gibbs leg. (PDGB). Migdale Wood, Highland Region, 1 male, 31.v.2002, Chandler leg. (PPCM). Morrone Birkwood, Aberdeenshire, 1 male, 31.v.1998; 1 male, 14.vi.2003, all Chandler leg. (NMS, PPCM). Phoenix Park, Dublin, 2 males, 24.viii.1994 (reared), Dyte leg. (PPCM). Rhôsili Down, Swansea/Abertawe, 1 male, 28.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Sannox, Arran, North Ayrshire, 1 male, 26.v.–28.v.1919, Edwards leg. [holotype of *Sciara subspinulosa*] (BMNH). Tarradale House, Highland Region, 1 male, v.2002, Sumner leg. (PPCM). Tummel Forest, Perth & Kinross, 1 male, 28.v.1973, Chandler leg. (NMS).

Ecological notes: widespread in broad-leaved (incl. calcareous) and carr woodland; also found in mixed woodland; conifer plantations; pine woodland; damp heath; sedge bed; wooded river bank; parkland with old trees. Reared from debris in rot hole in beech. v–viii.

Taxonomic note: Chandler *et al.* (2002) wrote that *pilosa* (Staeger) and *subspinulosa* (Edwards) were different species and that the synonymy by Mohrig & Menzel (1997) is not correct. The authors based their diagnosis on two characteristics: (a) the macrotrichia on the wing veins x and y; (b) the presence of a number of awl-like spines on the inner side on the gonostyles below the tooth. Chandler *et al.* found fairly constant characteristics during their examination of a relatively small number of examples from the British Isles. A check of both characteristics in 26 males from Germany, England, Austria and the Czech or Slovak republics has shown that there is strong variation in both characteristics and that even on one example alone there can be distinct differences. Examination of the Types of *pilosa* (Staeger) and *subspinulosa* (Edwards) as well as the DEI material found that the x–y macrotrichia varied from 'complete' to 'totally absent' with every variation between. In addition, the subapical spines below the apical tooth ranged from the presence of 4–5 pale spines together with several stronger bristles, to a denser group of about 10–15 dark spines. In preparations where the genitalia lie at an angle, the spines on the gonostyles appear to be almost totally absent. However, the spines are present

but lie on the side. They can be seen under high magnification. The correlation between the presence of macrotrichia on x and y with the presence of only a few subapical spines on the gonostyles and, likewise, the absence of macrotrichia on y with the presence of strong spines on the inner side of the gonostyles as stated by Chandler *et al.* (2002) is not always the case. For identification of the species, it is established that the gonostyles (Mohrig & Menzel, 1997: 74, fig. 21a) are distinctive. On the basis of the variability described, *subspinulosa* (Edwards) is here confirmed as a synonym of *pilosa* (Staeger) and the error in the key in Mohrig & Menzel (1997) is corrected.

LEPTOSCIARELLA (LEPTOSCIARELLA) REJECTA
(WINNERTZ, 1867)

Synonyms: *echinata* (Lengersdorf, 1926); *elongata* (Winnertz, 1867) [preocc.]; *hispidata* (Winnertz, 1871).

Literature: Edwards (1925a): 536 [as *Sciara pilosa*, misidentification]; Perry & Stubbs (1978): 71 [as *Trichosia pilosa*, misidentification]; Freeman (1983b): 21 [as *Trichosia (Leptosciarella) pilosa*, misidentification]; Skidmore (1991): 149; Chandler *et al.* (1996): 258 [all as *Trichosia pilosa*, misidentification]; Mohrig & Menzel (1997): 63; Menzel (1998): 21; Chandler (2001): 201; Chandler *et al.* (2002): 123.

Material examined: Abbot's Wood, Hampshire, 1 male, 25.v.1992, Chandler leg. (NMS). Annahala bog, Gearagh, Cork, 4 males, 1.vi.1990, de Courcy Williams leg. (DEI, NMID). Ashridge Estate, Hertfordshire, 1 male, 20.v.1999; 1 male, 8.vii.1999; 1 male, 8.x.1999, all Chandler leg. (NMS). Aviemore, Highland Region, 1 male, 24.vi.–29.vi.1933, Coe leg. (BMNH). Badger Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (NMS). Bedford Purlieu, Cambridgeshire, 1 male, 14.v.1988, J.H. Cole leg. (PJCB). Bix Bottom, Oxfordshire, 1 male, 9.v.1998, Chandler leg. (NMS); 1 male, 23.ix.2000, Raper leg. (PDGB). Blair Atholl, Perth & Kinross, 1 male, 28.v.1973, Chandler leg. (PPCM). Brampton Wood, Cambridgeshire, 1 male, 9.v.1987, J.H. Cole leg. (PJCB). Brandyquoy, Kirkwall, Orkney, 4 males, 1 female, v.–vi.2001, Laurence leg. (PBLN). Bromley, Greater London, 1 male, 15.v.1971, Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 15.v.1972, Chandler leg. (PPCM). Caerhays Castle, Cornwall, 1 male, 7.vii.1983, Chandler leg. (PPCM). California Country Park, Berkshire, 1 male, 15.vi.1996, Chandler leg. (PPCM). Castlerosse, Kerry, 1 male, 2.v.1981, Chandler leg. (PPCM). Catacol, Arran, North Ayrshire, 1 male, 29.v.–30.v.1919, Edwards leg. (ZFMK); 1 male, ix.1929, J. Waterston leg. (BMNH). Charleville Wood, Offaly, 1 male, 15.vi.1985, Chandler leg. (PPWM). Chippenham Fen, Cambridgeshire, 1 male, 2.vii.1988, Chandler leg.

(NMS). Clifton, Cumbria, 1 male, 2.vi.1973, Chandler leg. (PPCM). Cogley Wood, Somerset, 1 male, 19.x.1986, Stubbs leg. (NMS). Coldborough Park, Herefordshire, 1 male, 31.v.1972, Chandler leg. (PPCM). Coom Wood, Cork, 1 male, 10.vii.1990, Withers leg. (PPWM). Cop Mere, Staffordshire, 1 male, 23.v.1994, Chandler leg. (PPCM). Coppets Wood, Greater London, 1 male, 21.vi.1991, K.G.V. Smith leg. (PBLN). Corfheath Firs, Isle of Wight, 1 male, 2.vii.1980, Chandler leg. (PPCM). Cothill, Oxfordshire, 1 male, 3.vi.1990, Chandler leg. (NMS). Crawfordsburn Country Park, Down, 1 male, 3.vii.1987, Chandler leg. (NMS). Crickhowell, Powys, 1 male, v.1937, Edwards leg. (BMNH). Dinton Pastures Country Park, Berkshire, 1 male, 28.v.1995; 1 male, 6.v.1997, all Chandler leg. (PPCM). Ditchley, Oxfordshire, 2 males, v.1937, Edwards leg. (BMNH). Eyeworth Wood, New Forest, Hampshire, 1 male, 2.vi.1985, Chandler leg. (NMS). Epping Forest, Essex, 1 male, 19.iv.1999; 3 males, 3.v.–9.v.1999, all Dagley leg. (HRI, PPCM); 2 males, 25.v.–26.v.1999, Chandler leg. (NMS). Falls of Tarnash, Moray, 3 males, 1.vii.1936, Coe leg. (BMNH). Farnborough Park, Warwickshire, 1 female, 10.x.2001, Chandler leg. (HRI). Felbrigg Wood, Norfolk, 1 male, 10.vi.1993, Chandler leg. (PPCM). Ffrwd Fen, Carmarthen, 1 male, 13.x.1995, Chandler leg. (PPCM). Foxhole, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Frilford Heath, Oxfordshire, 1 male, 25.v.–15.vi.1991, Porter leg. (NMS). Gearagh, Cork, 2 males, 7.vi.1990, de Courcy Williams leg. (DEI, NMID). Glen Lochay, Stirling, 1 male, 3.vi.–18.vi.1922, Edwards leg. (BMNH). Glendalough, Wicklow, 1 male, 8.vii.1969, Chandler leg. (PPCM). Goring-on-Thames, Oxfordshire, 1 male, 7.vi.1962, J.H. Cole leg. (PJCB). Grantown-on-Spey, Highland Region, 1 male, 15.vi.1984, Chandler leg. (PPWM). Great Ellerside, Cumbria, 1 male, 15.vi.1999, Chandler leg. (NMS). Greywell Fen, Hampshire, 1 male, 3.vii.1992, Chandler leg. (NMS). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB). High Dam, Cumbria, 1 male, 15.vi.1999, Chandler leg. (PPCM). Hobb's Quarry, Gloucestershire, 1 male, 15.v.2003, Gibbs leg. (PDGB). Holme Fen, Cambridgeshire, 2 males, 27.iv.1987, J.H. Cole leg. (PJCB). Ilfracombe, Devon, 1 male, 6.vii.1986, Chandler leg. (NMS). Killarney, Kerry, 2 males, 25.v.–27.v.1929, Edwards leg. (BMNH). Knebworth, Hertfordshire, 1 male, vi.1922, Edwards leg. (BMNH). Leckford Estate, Hampshire, 1 male, 9.v.1975; 1 male, 14.vi.1987, all Chandler leg. (NMS, PPCM). Letchworth, Hertfordshire, 1 male, v.1917; 1 male, vi.1917; 1 male, v.1918, all Edwards leg. (BMNH). Littlehempston, Devon, 1 male, 3.vi.1974, Chandler leg. (NMS). Maen Porth, Cornwall, 1 male, 5.x.1983, Chandler leg. (NMS). Malham Tarn, North Yorkshire, 1 male, 3.vi.–5.vi.1982; 1 male, 27.vi.–29.vi.1982, all Disney leg.

(PPWM). Monk Wood, Avon, 1 male, 24.v.2000, Gibbs leg. (PDGB). Monkfield Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). Monk's Wood, Muckcross, Kerry, 3 males, 4.v.–7.v.1981, Chandler leg. (PPCM). Morrone Birkwood, Aberdeenshire, 1 male, 31.v.1998, Chandler leg. (PPCM). Murrough, Wicklow, 1 male, vi.1989, Blackith leg. (PPWM). New Forest, Hampshire, 4 males, 17.x.1937, Edwards leg. (BMNH). New Malden, Greater London, 1 male, 15.vi.1932, Coe leg. (BMNH). Newmarket, Cambridgeshire, 1 male, 5.ix.1894, Verrall leg. (UMO); 1 male, 18.v.1908, Collin leg. (UMO). Oakland Wood, Cambridgeshire, 2 males, 1.v.–30.vi.1998, C.W. Plant leg. (PPCM). Old Slade Wood, Buckinghamshire, 1 male, 12.v.1972 (reared), Chandler leg. (PPCM). Pass of Killiecrankie, Perth & Kinross, 1 male, 31.viii.1984, Chandler leg. (PPCM). Pearman's Copse, Berkshire, 2 males, 8.v.1995, Chandler leg. (PPCM). Penzance, Cornwall, 1 male, 14.v.1940, Collin leg. (UMO). Rhôs Pwllgyawnen, Carmarthen, 1 male, 11.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Riverstick, Cork, 1 male, 11.vii.–15.vii.1994, Withers leg. (PPWM). Rotherfield Park, Hampshire, 4 males, 2.x.2002, Chandler leg. (PPCM). Rydal Water, Cumbria, 1 male, 1.vi.1968, Hutson leg. (BMNH). Sannox, Arran, North Ayrshire, 1 male, 26.v.–28.v.1919, Edwards leg. (BMNH). Savernake Forest, Wiltshire, 1 male, 31.v.1990, Porter leg. (PPCM). Scarning Fen, Norfolk, 1 male, 8.vi.–22.vi.1988, Foster & Procter leg. (PPWM). Sheep Leas, West Horsley, Surrey, 1 male, 18.v.1991, Chandler leg. (NMS). Shortwood, Gloucestershire, 2 males, 12.vi.2002, Gibbs leg. (PDGB). Spreacombe Chapel Wood, Devon, 1 male, 6.vii.1986, Chandler leg. (PPCM). Staffhurst Wood, Surrey, 1 male, 18.v.1991, Chandler leg. (NMS). Strathroy, Highland Region, 1 male, 15.vi.1976, Chandler leg. (PPCM). Stroat, Gloucestershire, 1 male, 13.x.1979, Stubbs leg. (PPCM). The Clappers, Sharpshoe, Bedfordshire, 1 male, 16.vi.1997, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 3 males, 26.iv.1987; 1 male, 5.v.1988; 2 males, 5.vi.–13.vi.1989; 1 male, 28.iv.–4.v.1990; 2 males, 15.v.–18.v.1992, all Laurence leg. (PBLN). The Mound, Highland Region, 1 male, 27.vii.1936, Collin leg. (UMO). Thornham Magna, Suffolk, 1 male, 25.iv.1991, Withers leg. (PPWM). Thurgarton, Norfolk, 1 male, 29.v.1991, Carr leg. (BMNH). Vidlin, Shetland, 2 males, 16.vi.–21.vi.1993, Laurence leg. (PBLN). Wellesbourne, Warwickshire, 1 male, 24.ii.–2.iii.2000, J.E. Smith leg. (HRI). Westbury Wood, Hertfordshire, 1 male, 14.viii.1918, Edwards leg. (BMNH). Weston Common, Hampshire, 1 male, 10.v.1984, Chandler leg. (NMS). Weston Green Fen, Oxfordshire, 1 male, 1.vi.1991, Chandler leg. (PPCM). Wheatfen Broad, Norfolk, 1 male, 19.v.1990, Withers leg. (PPWM). Wicken Fen, Cambridgeshire, 2 males, 12.v.1990, Withers leg. (PPWM). Windsor Forest,

Berkshire, 1 male, 8.vi.1979; 1 male, 30.v.1987; 1 male, 13.vi.1987; 2 males, 15.vii.1991; 1 male, 15.v.1994; 1 male, 21.v.1998; 1 male, 15.vii.1999, all Chandler leg. (NMS, PPCM). Witherslack, Cumbria, 1 male, 15.vi.1999, Chandler leg. (NMS). Woodwalton Fen, Cambridgeshire, 3 males, 24.v.1940, Edwards leg. (BMNH). Wychwood, Oxfordshire, 3 males, v.1937, Edwards leg. (BMNH).

Ecological notes: very common in all types of woodland; wetlands including fen, sedge beds, reed beds, bogs and water meadows; gravel pits; old hedges; neutral and calcareous grassland; gardens; on window. ii–x.

LEPTOSCIARELLA (LEPTOSCIARELLA) SCUTELLATA
(STAEGER, 1840)

Synonyms: *bilineata* (Staeger, 1840); *elegans* (Winnertz, 1867); *inhonesta* (Winnertz, 1867); *interrupta* (Strobl, 1895); *obscuripennis* (Winnertz, 1867).

Literature: Mohrig & Menzel (1997): 59; Menzel (1998): 22; Chandler *et al.* (2002): 123.

New to Irish list.

Material examined: Alice Holt Forest, Hampshire, 1 male, 25.v.1991, Chandler leg. (PPCM). Annahala bog, Gearagh, Cork, 1 male, 10.viii.1990, de Courcy Williams leg. (NMID). Ashridge Estate, Hertfordshire, 3 males, 8.x.1999, Chandler leg. (PPCM). Ballielogue, Kilkenny, 1 male, 25.vi.1987, Chandler leg. (PPCM). Becky Woods, Manaton, Devon, 1 male, 1 female, 23.vi.2002, J.E. Smith leg. (HRI). Berry, Devon, 1 male, 27.vii.1953, Colyer leg. (BMNH). Birks of Aberfeldy, Perth & Kinross, 1 male, 30.viii.1987, Chandler leg. (NMS). Bishop Wood, North Yorkshire, 1 male, 20.vii.1997, Chandler leg. (PPCM). Box Hill, Surrey, 1 male, 11.vii.1992, Chandler leg. (NMS). Brockenhurst, Hampshire, 1 male, 10.ix.1977, Chandler leg. (NMS). Bucklebury Common, Berkshire, 1 male, 27.v.1990; 1 male, 6.vi.1993, all Chandler leg. (NMS, PPCM). Burnham Beeches, Buckinghamshire, 1 male, 28.iv.–10.v.1995; 1 male, viii.–ix.1996, all Ismay leg. (NMS). Cadnam, New Forest, Hampshire, 1 male, 17.vi.1990, Chandler leg. (PPCM). California Country Park, Berkshire, 1 male, 6.vii.1997; 1 male, 22.v.1999, all Chandler leg. (PPCM). Charleville Wood, Offaly, 1 male, 27.v.1984, Chandler leg. (PPCM). Charterhouse Alder Holt, Surrey, 1 male, 16.vii.1989, Chandler leg. (NMS). Cliveden, Buckinghamshire, 1 male, 3.vii.1984, Chandler leg. (NMS). Devil's Punchbowl, Surrey, 1 male, 23.vi.1990, Chandler leg. (NMS). Dingwall, Highland Region, 1 male, 8.viii.1909, King leg. (BMNH). Epping Thicks, Epping Forest, Essex, 4 males, 9.v.–16.v.1999, Dagley leg. (HRI). Fingle Bridge, Devon, 1 male, 8.vii.1992, Chandler leg. (PPCM). Frithsden Beeches,

Hertfordshire, 3 males, 6.vi.–30.vii.1997, Chandler leg. (PPCM). Fungarth, Perth & Kinross, 1 male, 30.v.1998, Chandler leg. (PPCM). Gearagh, Cork, 1 male, 31.vi.1990; 1 male, 18.ix.1990, all de Courcy Williams leg. (DEI, NMID). Glasdrum, Argyll & Bute, 1 male, 7.vi.1974, Chandler leg. (NMS). Glen Coiltie, Highland Region, 1 male, 24.vii.1997; 1 male, 23.vi.1999, all Chandler leg. (PPCM). Grandtully, Perth & Kinross, 1 male, 30.v.1998, Chandler leg. (NMS). Grantown-on-Spey, Highland Region, 1 male, 15.vi.1984, Chandler leg. (PPWM). Grondra Great Wood, Monmouthshire, 1 male, 9.vii.1986, Chandler leg. (NMS). Haugh Wood, Herefordshire, 1 male, 13.vi.1997, M.N. Pugh leg. (PPCM). Hay Wood, Bad-desley Clinton, Solihull, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Hickling Broad, Norfolk, 1 male, 3.viii.1988, Withers leg. (PPWM). Knole Park, Kent, 1 male, 8.x.1972, Chandler leg. (NMS). Loch Chon, Stirling, 1 male, 22.vi.1999, Chandler leg. (NMS). Loch Tummel, Perth & Kinross, 1 male, 30.vi.1937, Collin leg. (BMNH). Lockhaugh Bank, Derwent Valley, Tyne & Wear, 1 male, 7.vi.–23.vii.1990, Jessop leg. (PBLN). Monk Wood, Avon, 1 male, 24.v.2000, Gibbs leg. (PDGB). Newcastle, Down, 1 male, 34.viii.1917, King leg. (BMNH). Oakland Wood, Cambridgeshire, 1 male, 1.vi.–30.vi.1998, C.W. Plant leg. (NMS). Odiham Common, Hampshire, 1 male, 7.vii.1990, Chandler leg. (NMS). Rhôs Pwllgawnen, Carmarthen, 1 male, 11.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Rosemarkie, Highland Region, 2 males, 23.vii.1997, Chandler leg. (PPCM). Rotherfield Park, Hampshire, 1 male, 2.x.2002, Chandler leg. (PPCM). Savernake Forest, Wiltshire, 1 male, 4.vii.–25.vii.1990, Porter leg. (NMS). Scadbury Park, Greater London, 1 male, 18.vi.1983; 1 male, 21.vii.1985, all Chandler leg. (NMS). Sned Wood, Lower Lye, Herefordshire, 2 males, 14.vii.2003, J.E. Smith leg. (HRI). The Lythes, Selborne, Hampshire, 1 male, 28.v.1988, Chandler leg. (PPCM). Ton Dingle, Powys, 1 male, 15.x.1987, Stubbs leg. (PPCM). Urquhart Bay, Drumadrochit, Highland Region, 1 male, 13.vi.1984, Chandler leg. (PPCM). Wamphray Glen, Dumfries & Galloway, 1 male, 1.vi.1973, Chandler leg. (NMS). Warren's Court Wood, Cork, 1 male, 11.vii.1994, Withers leg. (PPWM). Way Beck, Cumbria, 1 male, 14.vi.1999, Chandler leg. (PPCM). West End Common, Esher, Surrey, 1 male, 16.vii.2002, Chandler leg. (PPCM). Whitecross Green Wood, Oxfordshire, 1 male, 7.x.1999, Chandler leg. (PPCM). Windsor Forest, Berkshire, 1 male, 27.v.1991; 1 male, 15.vi.1999, all Chandler leg. (NMS). Wood Crates, New Forest, Hampshire, 1 male, 8.vii.1990, Chandler leg. (PPCM). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH). Wychwood Forest, Oxfordshire, 1 male, 12.ix.1998, Chandler leg. (NMS). Wyre Forest, Worcestershire, 1 male,

17.vii.1987, C.W. Plant leg. (NMS); 1 male, 7.viii.1988, Chandler leg. (PPCM). Wytham Woods, Wytham, Oxfordshire, 1 male, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: very common in all types of woodland; wetlands including fen, sedge bed, lakeshore marsh, *Juncus* and *Molinia* bog. v–x.

LEPTOSCIARELLA (LEPTOSCIARELLA) SUBPILOSA
(EDWARDS, 1925)

Synonym: *subelegans* (Mohrig & Mamaev, 1985).

Literature: Edwards (1925a): 536; Edwards (1926b): 142 [all as *Sciara*]; Freeman (1983b): 21 [as *Trichosia (Leptosciarella)*]; Laurence 1994: 118; Laurence (1996): 87; Laurence (1997a): 85 [all as *Trichosia pilosa*, misidentification]; Mohrig & Menzel (1997): 61; Menzel (1998): 22; Menzel & Mohrig (2000): 366.

Material examined: Ale Water, Ancrum, Scottish Borders, 1 male, 11.vii.1988, J.H. Cole leg. (PJCB). Archers Wood, Cambridgeshire, 1 male, 27.v.1990, J.H. Cole leg. (PJCB). Aunt Mary's Bottom, Dorset, 2 males, 28.vi.1998, Chandler leg. (PPCM). Aviemore, bank of Spey, Highland Region, 1 male, 9.vi.1984, Chandler leg. (PPCM). Beltra Lough, Sligo, 1 male, 17.vi.1985, Chandler leg. (PPCM). Bradfield Wood, Suffolk, 1 male, 6.vii.–11.vii.1990, Laurence leg. (PBLN). Brigsteer Park, Cumbria, 1 male, 14.vi.1999, Chandler leg. (PPCM). Buckingham Thick Copse, Northamptonshire, 1 male, 16.v.1992, Warne leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 27.vi.1993, Chandler leg. (PPCM); 1 male, 5.viii.–31.viii.1996, Ismay leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 4 males, 2 females, 23.v.–27.v.2002; 1 male, 11.vi.2002, all Ismay & Schulten leg. (DEI, UMO). Culbin Forest, Highland Region, 2 males, 27.v.2002, Chandler leg. (PPCM). Dingwall, Highland Region, 1 male, 10.viii.1909, King leg. (BMNH). Dinton Pastures Country Park, Berkshire, 1 male, 6.viii.1994, Chandler leg. (PPCM). Ffrith, Flintshire, 1 male, 7.vi.–9.vi.1919, Edwards leg. [paratype of *Sciara subpilosa*] (BMNH). Gearagh, Cork, 1 male, 12.vi.1990, de Courcy Williams leg. (NMID). Grange, Lancashire, 1 male, vii.1923, Edwards leg. [holotype of *Sciara subpilosa*] (BMNH). Greywell Fen, Hampshire, 1 male, 2.viii.1998, Chandler leg. (PPCM). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB). Holker Moss, Cumbria, 1 male, 11.vii.–13.vii.1923, Edwards leg. [paratype of *Sciara subpilosa*] (BMNH). Ickenthaite, Cumbria, 1 male, 18.vi.1999, Chandler leg. (PPCM). Lackham Park, Wiltshire, 1 male, 7.vii.2002, Chandler leg. (PPCM). Loch Chon, Stirling, 1 male, 29.vi.1999, Chandler leg. (PPCM). Lockhaugh Bank, Derwent Valley, Tyne & Wear, 1 male, 7.vi.–23.vi.1990; 1 male, 24.vii.–13.viii.1990, all Jessop leg.

(PBLN). Long Wood, Nettleton, Lincolnshire, 1 male, v.1997, Godfrey leg. (PPCM). Mark Ash Wood, New Forest, Hampshire, 1 male, 4.vi.1989, Chandler leg. (PPCM). Monk's Wood, Cambridgeshire, 1 male, 12.vi.1972; 1 male, 10.vii.1972, all J.H. Cole leg. (PJCB). Nairn, Highland Region, 1 male, 26.v.1905, Yerbury leg. (BMNH). Pine Wood, Berkshire, 1 male, 1 female, 22.vi.2001, Gibbs leg. (PDGB). Purn Hill, Avon, 1 male, 21.viii.2001, Gibbs leg. (PDGB). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, J.E. Smith leg. (HRI). Spreacombe Chapel Wood, Devon, 1 male, 6.vii.1986, Chandler leg. (PPCM). Stoke Gabriel, Devon, 1 male, 7.vi.1920, Edwards leg. [paratype of *Sciara subpilosa*] (BMNH). Tempsford, Bedfordshire, 1 male, 20.ix.1922, Edwards leg. (BMNH). Thompson Common, Norfolk, 1 male, 1.vi.1985; 1 male, 9.vi.1990, all Chandler leg. (PPCM). Valency Valley, Cornwall, 1 male, 29.v.2000, J.H. Cole leg. (PJCB). West End Common, Esher, Surrey, 1 male, 16.vii.2002, Chandler leg. (PPCM). Wicken Fen, Cambridgeshire, 1 male, 12.v.1990, Withers leg. (PPWM).

Ecological notes: common in all types of woodland; ancient woodland with oak, hazel and bramble; heathland; wetlands including fen, sedge beds, water meadows, river banks and lake shores; gravel pits; old hedges; grassland with pingo pools; calcareous grassland. v–viii.

LEPTOSCIARELLA (LEPTOSCIARELLA) SUBVIATICA
MOHRIG & MENZEL, 1997

New to British list.

Material examined: Sutton, Norfolk, 2 males, 9.vi.–23.vi.1988, Foster & Procter leg. (DEI). The Loke, Norwich, Norfolk, 1 male, 26.iv.1987, Laurence leg. (PBLN).

Ecological notes: found in carr woodland and fen; garden. iv, vi.

LEPTOSCIARELLA (LEPTOSCIARELLA) TROCHANTERATA
(ZETTERSTEDT, 1851)

Synonyms: *coarctata* (Winnertz, 1867); *hirsutissima* (Strobl, 1895); *prisca* (Winnertz, 1867); *saltuum* (Winnertz, 1868); *splendens* (Winnertz, 1867) [*Sciara*].

Literature: Edwards (1925a): 537; Basden (1933): 44 [all as *Sciara hispida*, misidentification]; Perry & Stubbs (1978): 71 [as *Trichosia coarctata*]; Freeman (1983b): 20; O'Connor & Ashe (1991): 29 [all as *Trichosia (Leptosciarella) coarctata*]; Mohrig & Menzel (1997): 55; Menzel (1998): 22; Chandler (2001): 201.

Material examined: Abbot's Wood, Hampshire, 1 male, 25.v.1992, Chandler leg. (PPCM). Abernyte, Angus, 1

male, 2.vii.1977, J.H. Cole leg. (PJCB). Aldermoor, Berkshire, 2 males, 14.v.1994, Chandler leg. (PPCM). Arcan Mains, Highland Region, 1 male, 28.v.1994, Chandler leg. (PPCM). Ashridge Estate, Hertfordshire, 4 males, 20.v.1999, Chandler leg. (NMS). Austwick, North Yorkshire, 2 males, v.1934, Edwards leg. (BMNH). Aviemore, Highland Region, 2 males, v.1934, Edwards leg. (BMNH). Begwary Brook, Bedfordshire, 1 male, 20.v.1999, J.H. Cole leg. (PJCB). Bettws, Conwy, 2 females, 16.vi.1887, Verrall leg. (UMO). Bevills Wood, Abbot's Ripton, Cambridgeshire, 1 male, 31.v.1976, J.H. Cole leg. (PJCB). Bonhill, West Dunbartonshire, 1 female, 22.vi.1907, Malloch leg. (NMS). Bovey Valley, Devon, 1 male, 31.v.1978, Chandler leg. (NMS). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 1 male, 22.viii.2002, Menzel leg. (DEI). Buckingham Palace Garden, 1 male, 27.iii.–24.iv.1997, D.J. Carter & C.W. Plant leg. (PPCM); 3 males, 13.viii.1997, Chandler leg. (PPCM). Buckingham Thick Copse, Northamptonshire, 1 male, 1.vi.1993; 1 male, 9.vi.1992, all Warne leg. (NMS, PPCM). Bulwell Hall Park, Nottinghamshire, 1 male, 27.v.1919, Carr leg. (BMNH). Burnham Beeches, Buckinghamshire, 2 females, 2.v.1929 (reared), Richards leg. (BMNH); 1 male, 1 female, 13.v.1990, Chandler leg. (PPCM); 1 male, 10.v.–23.v.1998, Ismay leg. (PPCM). California Country Park, Berkshire, 2 males, 22.v.1999, Chandler leg. (PPCM). Carie, Rannoch, Perth & Kinross, 2 males, 29.v.1998, Chandler leg. (PPCM). Carton, Kildare, 1 male, 29.iv.1987, J.P. O'Connor leg. (NMID). Castle Neroche, Somerset, 1 male, 12.v.1936, Edwards leg. (BMNH). Cawdor Wood, Highland Region, 1 male, 12.vi.1984, Stubbs leg. (NMS). Charleville Wood, Offaly, 1 male, 27.v.1984, Chandler leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 1 female, 20.v.2002; 1 male, 1 female, 23.v.–27.v.2002; 1 female, 11.vi.2002; 3 males, 1 female, 18.vi.2002; 1 female, 15.ix.2002; 2 females, 26.ix.2002; 2 females, 8.x.2002, all Ismay & Schulten leg. (DEI, UMO). Clovelly, Devon, 2 males, 2 females, 8.v.1936, Edwards leg. (BMNH). Cod Wood, Devon, 2 males, 29.v.1978, Chandler leg. (NMS). Coire Raibeirt, Cairngorm, Highland Region, 1 female, 16.vi.1984, Chandler leg. (NMS). Colsterworth, Lincolnshire, 1 male, 3.vi.1987, Chandler leg. (PPCM). Colwich Park, Staffordshire, 2 males, 8.vi.1889, Verrall leg. (BMNH, UMO). Coombe, Cornwall, 1 male, 19.v.1987, Chandler leg. (PPCM). Cop Mere, Staffordshire, 1 male, 23.v.1994, Chandler leg. (PPCM). Crianlarich, Stirling, 1 male, 1 female, 12.vi.1996, Chandler leg. (NMS, PPCM). Culbin Sands, Highland Region, 1 male, 27.v.2002, Chandler leg. (PPCM). Derrycunihy Cascade, Kerry, 1 female, 16.x.1975, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 15.vi.1993; 1 male, 4.vi.1994; 1 male, 6.viii.1994; 1 male, 6.v.1997, all

Chandler leg. (PPCM). Dorchester, Dorset, 2 males, 11.vi.1888, Verrall leg. (UMO). Dovedale, Derbyshire, 1 male, 11.vi.1988, Verrall leg. (BMNH). Dromahaire, Leitrim, 1 male, 18.v.1970, Chandler leg. (PPCM). Dromore Forest, Kerry, 3 males, 15.x.1973, Chandler leg. (NMS, PPCM). Drumnadrochit, Highland Region, 1 male, 13.vi.1976, Chandler leg. (NMS). Epping Forest, Essex, 2 males, 16.viii.–26.ix.1998; 3 males, 10.v.–16.v.1999, all Dagley leg. (HRI, PPCM); 1 male, 25.v.1999, Chandler leg. (PPCM). Farnham Royal, Buckinghamshire, 8 males, 1 female, 12.v.–2.vi.1931; 5 males, 4.vi.1931; 1 female, 10.v.1934; 1 male, 2 females, 11.v.1934 (all reared), all Basden leg. (BMNH, NMS). Fowl Mere, Norfolk, 1 male, vi.1939, Edwards leg. (BMNH). Frilford Heath, Oxfordshire, 1 male, 25.iv.–25.v.1991, Porter leg. (PPCM). Fungarth, Perth & Kinross, 1 male, 30.v.1998, Chandler leg. (NMS). Glen Lochay, Stirling, 1 male, 3.vi.–18.vi.1932, Edwards leg. (BMNH). Glendalough, Wicklow, 1 male, 1 female, 10.vi.1985, Chandler leg. (NMS, PPCM). Gorge of Avon, South Lanarkshire, 1 male, 30.v.1903, King leg. (BMNH). Grantown-on-Spey, Highland Region, 1 male, 15.vi.1984, Chandler leg. (PPWM). Headington Hill, Oxfordshire, 1 male, 8.v.1915, Hamm leg. (UMO). Ivybridge, Devon, 1 male, 18.v.1890, Verrall leg. (UMO). Jonny Wood, Cumbria, 1 male, 11.ix.1991, Gibbs leg. (PDGB). Knebworth, Hertfordshire, 1 male, vi.1922; 1 male, 22.v.1925, all Edwards leg. (BMNH). Knocksink Wood, Wicklow, 1 male, 17.vi.1985, Chandler leg. (PPWM). Lancelot Clark Storth Nature Reserve, Cumbria, 1 male, 27.viii.1985, J.H. Cole leg. (PJCB). Leckford Estate, Hampshire, 2 males, 3.vi.–4.vi.1972, Chandler leg. (NMS). Letchworth, Hertfordshire, 1 male, v.1917; 1 male, vi.1917; 1 male, v.1918; 1 male, vi.1924, all Edwards leg. (BMNH). Little Paxton Pits, Cambridgeshire, 1 male, 19.v.2002, J.H. Cole leg. (PJCB). Loch Achnacloich, Highland Region, 1 male, 15.vi.1976, Chandler leg. (NMS). Loch Meiklie, Highland Region, 1 male, 13.vi.1984, Chandler leg. (PPCM). Lockhaugh Bank, Derwent Valley, Tyne & Wear, 1 male, 21.vi.–3.vii.1990, Jessop leg. (PBLN). Lough Ballynafid, Westmeath, 1 male, 16.vi.1985, Chandler leg. (PPWM). Mark Ash Wood, New Forest, Hampshire, 1 male, 2.vi.1984, Stubbs leg. (NMS). Matlock, Derbyshire, 2 males, 17.vi.1888, Verrall leg. (BMNH, UMO). Maulden Wood, Bedfordshire, 1 male, 5.vi.1980, J.H. Cole leg. (PJCB). Migdale Wood, Highland Region, 1 male, 31.v.2002, Chandler leg. (PPCM). Monkfield Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998; 2 males, viii.1998, all C.W. Plant leg. (NMS, PPCM). Monk's Wood, Cambridgeshire, 1 male, 17.vi.1972, J.H. Cole leg. (PJCB). New Forest, Hampshire, 1 male, 18.v.1968, Parmenter leg. (BMNH). Newmarket, Cambridgeshire, 1 female, 2.vi.1888; 1 male, 18.v.1894, all Verrall leg. (UMO). Oakland Wood, Cambridgeshire, 1

male, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). Pentrych, Cardiff, 1 male, 27.v.1968, Stubbs leg. (PPCM). Radwell, Hertfordshire, 2 males, v.1918, Edwards leg. (BMNH). Raveley Wood, Cambridgeshire, 1 male, 26.v.1975; 2 males, 21.v.1978, all J.H. Cole leg. (PJCB). Rotherfield Park, Hampshire, 1 male, 3.vi.2002, Chandler leg. (PPCM). Royston, Hertfordshire, 3 males, 3 females, iv.1918, Edwards leg. (BMNH). Rudge Wood, Bovey Valley, Devon, 1 male, 31.v.1978, Chandler leg. (PPCM). Sarsgrove Wood, Oxfordshire, 1 male, 12.vi.1977, Chandler leg. (NMS). Savernake Forest, Wiltshire, 3 males, 2.v.–22.vi.1991, Porter leg. (PPCM); 1 male, 3.v.1993, Chandler leg. (PPCM). Scratch Wood, Greater London, 1 male, 1 female, 7.vii.–14.vii.1967 (reared), Bradford leg. (PPCM). Sea Mere, Norfolk, 2 males, 1 female, 29.v.1975, K.G.V. Smith leg. (BMNH). Shotover, Oxfordshire, 1 female, 22.v.1915, Hamm leg. (UMO). Shrawley Wood, Worcestershire, 1 male, 3.vi.–10.vi.1995, Cooter leg. (NMS). Spartum Fen, Oxfordshire, 1 male, 1.vi.1991, Chandler leg. (PPCM). Stodmarsh, Kent, 1 female, 1.vi.1977, Chandler leg. (PPCM). Temple, Berkshire, 1 male, 4.v.1934; 4 males, 9.v.–21.v.1934 (all reared), all Basden leg. (NMS). The Loke, Norwich, Norfolk, 1 male, 26.iv.1987; 1 male, 1 female, 8.v.1987; 3 males, 10.viii.1987; 1 male, 5.vi.–13.vi.1989; 1 male, 21.viii.–24.viii.1989, all Laurence leg. (PBLN). Thompson Common, Norfolk, 1 male, 1.vi.1985, Chandler leg. (NMS). Tilberthwaite Ghyll, Cumbria, 1 male, 26.v.1938, Edwards leg. (BMNH). Udale Bay, Highland Region, 1 male, 29.v.2002, Chandler leg. (PPCM). Ufton Bridge, Warwickshire, 1 male, 9.vi.1991, Chandler leg. (NMS). Wentbridge, West Yorkshire, 2 males, 20.vi.1987, Chandler leg. (NMS). Weston, Hertfordshire, 3 males, 3 females, iv.–v.1924 (reared), Edwards leg. (BMNH). Windsor Great Park, Berkshire, 1 male, 14.vi.1972, Chandler leg. (NMS). Windsor Forest, Berkshire, 1 male, 21.v.1988, Chandler leg. (NMS). Woodwalton Fen, Cambridgeshire, 1 male, 15.v.1919; 2 males, 24.v.1940, all Edwards leg. (BMNH). Wychwood, Oxfordshire, 1 male, 11.v.–26.v.1989, Porter leg. (PPCM).

Ecological notes: very common in all types of woodland; ancient woodland with oak, hazel and bramble; heathland; wetlands including fen, water meadows and wooded river bank; former gravel workings; dunes; old hedges; parkland with rough grassland and scrub; grassland with pingo pools; disused railway cutting; gardens; open montane habitat. Reared from rotting pine stump, from nests of blackbird and song thrush (form with dark coxae only). iii–x.

LEPTOSCIARELLA (LEPTOSCIARELLA) VIATICA
(WINNERTZ, 1867)

Synonym: proxima (Winnertz, 1867).

Literature: Freeman (1983b): 20; O'Connor & Ashe (1991): 29 [all as *Trichosia (Leptosciarella)*]; Mohrig & Menzel (1997): 75; Menzel (1998): 22.

Material examined: Aversley Wood, Cambridgeshire, 2 males, 2.iv.1988, J.H. Cole leg. (PJCB). Blean Wood, Kent, 1 male, 9.iv.1965, Parmenter leg. (BMNH). Bramfield, Hertfordshire, 1 male, 18.iv.1964, Colyer leg. (BMNH). Brampton Wood, Cambridgeshire, 1 male, 6.iii.1966, J.H. Cole leg. (PJCB). Brasenose, Oxfordshire, 1 male, 2 females, 17.iii.1925 (reared), Richards leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 male, 15.iv.1915, Edwards leg. (BMNH); 1 male, 20.iv.1998, Chandler leg. (PPCM). Caerlaverock, Dumfries & Galloway, 1 male, 16.vii.1980, Duncan leg. (NMS). Cefn-y-Bedd, Flintshire, 1 male, 15.iii.1953, Colyer leg. (BMNH). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 18.vi.2002, Ismay & Schulten leg. (DEI). Crowborough, East Sussex, 2 males, 2 females, 8.iv.–16.iv.1904; 1 male, 31.iii.–14.iv.1906; 1 male, 12.iv.–27.iv.1916, all Jenkinson leg. (BMNH). Dickleburgh, Norfolk, 1 male, 19.iii.–14.iv.1989, Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 27.iii.1994, Chandler leg. (PPCM). Dunstall Wood, Shoreham, Kent, 1 male, 18.ix.1964, Chandler leg. (PPCM). Epping Forest, Essex, 6 males, 4 females, 1.iii.–29.iii.1999; 2 males, 1 female, iii.2000, all Dagley leg. (NMS, PPCM). Eynsford, Kent, 1 male, 7.iv.1964, Chandler leg. (PPCM). Falls of Tarnash, Moray, 1 male, 9.vii.1936, Coe leg. (BMNH). Felden, Hertfordshire, 1 male, 21.iii.1897; 1 female, 25.iii.1897, all A. Piffard leg. (BMNH). Godmanchester, Cambridgeshire, 1 male, 16.iii.1999, J.H. Cole leg. (PJCB). Grwyne Fechan, Powys, 1 male, 18.iv.1927, Richards leg. (BMNH). Hartslock Wood, Oxfordshire, 2 males, 15.iv.1963, J.H. Cole leg. (PJCB). Hickling Broad, Norfolk, 1 male, 16.iv.1989, Withers leg. (PPWM). Ivinghoe, Buckinghamshire, 2 males, 7.iv.1938, Edwards leg. (BMNH). Killoughrim, Wexford, 1 male, 4.iv.1988, J.P. O'Connor leg. (NMID). Lopham Fen, Norfolk, 1 male, 22.xi.1990, Withers leg. (PPWM). New Forest, Hampshire, 1 female, 31.iv.1897; 1 male, 20.iv.1909; 1 male, 22.iv.1909, all Adams leg. (BMNH); 6 males, 1 female, 27.iii.1948, Colyer leg. (BMNH). Offley Holes, Hertfordshire, 1 female, iv.1936, Edwards leg. (BMNH). Oxford, Oxfordshire, 1 male, 24.iii.1953, Grensted leg. (UMO). Rhinefields Inclosure, New Forest, Hampshire, 1 male, 20.iv.1973, Cranston leg. (BMNH). Savernake Forest, Wiltshire, 1 male, 3.v.1993, Chandler leg. (PPCM). Sidmouth, Devon, 1 female, 19.iv.1925, Edwards leg. (BMNH). Stoke Court Park, Buckinghamshire, 1 female, 31.iii.1968, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 20.iv.1987; 1 male, 8.v.1987; 1 male, 5.vi.–13.vi.1989, all Laurence leg. (PBLN). Tintern, Wexford, 1 male, 3.iv.1988, J.P. O'Connor leg. (NMID). Tunbridge Wells,

Kent, 1 male, iv.1935, Nurse leg. (BMNH). Welches Dam, Cambridgeshire, 1 male, 13.iii.1999, J.H. Cole leg. (PJCB). Windsor Forest, Berkshire, 6 males, 19.xi.1989, Owen leg. (NMS). Withyham, East Sussex, 1 male, 21.iii.1946, Grensted leg. (UMO).

Ecological notes: very common in broad-leaved and carr woodland; heathland; water meadows and gravel pits; old hedges; within Ouse Washes bird hide; wooded river bank; calcareous grassland; parkland; gardens. Reared from rotten wood. iii–vii, ix, xi.

LEPTOSCIARELLA (LEPTOSCIARELLA) YERBURYI
(FREEMAN, 1983)

Literature: Freeman (1983a): 163; Freeman (1983b): 20 [all as *Trichosia (Leptosciarella)*]; Mohrig & Menzel (1997): 73; Menzel (1998): 22; Menzel & Mohrig (2000): 369.

Material examined: Annahala bog, Gearagh, Cork, 2 males, 22.iii.1990, de Courcy Williams leg. (DEI, NMID). Ballindalloch, Highland Region, 1 male, 24.vi.1905, Yerbury leg. [holotype of *Trichosia yerburyi*] (BMNH). Charleville Wood, Offaly, 1 male, 15.vi.1985, Chandler leg. (PPWM). Coverham, North Yorkshire, 1 male, 23.vi.1924, Edwards leg. [paratype of *Trichosia yerburyi*] (BMNH). Culbin Forest, Highland Region, 2 males, 27.v.2002, Chandler leg. (PPCM). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. [paratype of *Trichosia yerburyi*] (BMNH). Grantown-on-Spey, Highland Region, 1 male, 15.vi.1984, Chandler leg. (PPWM). Holne, Devon, 1 male, 3.vi.1974, Chandler leg. (PPCM). Kinrara, Highland Region, 1 male, 19.vi.1976, Chandler leg. (NMS). Leigh Wood, Avon, 1 male, 30.v.1950, d'Assis-Fonseca leg. (PPCM). Loch Loy, Highland Region, 1 male, 14.vi.1984, Chandler leg. (PPCM). Nairn, Highland Region, 1 male, 12.vi.1905, Yerbury leg. [paratype of *Trichosia yerburyi*] (BMNH). Pass of Killiecrankie, Perth & Kinross, 1 male, 31.viii.1989, Chandler leg. (PPCM). Shortwood, Gloucestershire, 1 male, 12.vi.2002, Gibbs leg. (PDGB). Swindale Beck, Cumbria, 1 male, 20.vi.1981, McLean leg. (PPCM). Tarradale House, Highland Region, 1 male, v.2002, Sumner leg. (PPCM); 1 male, 1.vi.2002, Chandler leg. (PPCM). No locality details, Hampshire, 1 male, 12.v.1951, Colyer leg. (PBLN).

Ecological notes: common in broad-leaved woodland; also found in mixed and pine woodland; conifer plantations; wetlands including saltmarsh and bog; rotten stump. iii, v–vi, viii.

LYCORIELLA FREY, 1942

LYCORIELLA (COELOSTYLINA) FREYI TUOMIKOSKI, 1960
New to British list.

Material examined: Spey bank, Aviemore, Highland, 1 male, 9.vi.1984, Chandler leg. (PPWM).

Ecological notes: found in broad-leaved woodland on river bank. vi.

LYCORIELLA (HEMINEURINA) CONSPICUA
(WINNERTZ, 1867)

Literature: ? Walker (1848): 105; ? Walker (1856): 53; Edwards (1925a): 539 [all as *Sciara hyalipennis*, misidentification]; Edwards (1938): 201 [as *Sciara (Neosciara) hyalipennis*, misidentification]; Freeman (1983b): 30; Laurence (1994): 118; Menzel (1998): 22; Chandler *et al.* (2002): 124.

Material examined: Austwick, North Yorkshire, 1 male, vi.1930, Cheetham leg. (BMNH); 1 male, 26.v.–27.v.1934, Edwards leg. (BMNH). Aviemore, Highland Region, 1 male, v.1934, Edwards leg. (BMNH). Braedownie, Angus, 1 male, 24.vii.1937, Coe leg. (BMNH). Cairngorm, Highland Region, 2 males, 15.vi.1984, Chandler leg. (PPWM). Cardington, Bedfordshire, 2 females, 6.viii.1914, Edwards leg. (BMNH). Fallowfield, Greater Manchester, 1 male, 1 female, 26.ix.1920, Britten leg. (BMNH). Falls of Tarnash, Moray, 1 female, 9.vii.1936, Coe leg. (BMNH). Gearagh, Cork, 1 male, 30.vi.1990; 1 male, 10.x.1990, de Courcy Williams leg. (DEI, NMID). Grafham Water, Savage's Creek, Cambridgeshire, 1 male, 21.viii.1976, J.H. Cole leg. (PJCB). Gwenfro, Isle of Anglesey, 1 male, 14.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Harpenden, Hertfordshire, 3 females, 1934, C.B. Williams leg. (BMNH). Hickling, Norfolk, 6 males, x.1988, Foster & Procter leg. (PBLN). Kennack Cove, Cornwall, 1 male, 4.ix.1983, Chandler leg. (PPCM). Loch Park, Moray, 1 male, 12.viii.–14.viii.1937, Coe leg. (BMNH). Nuremore Lake, Carrickmacross, Monaghan, 1 male, 19.vi.1979, J.H. Cole leg. (PJCB). Rye Water, Kildare, 1 male, 9.viii.1981, J.P. & M.A. O'Connor leg. (NMID). Searles Farm, Reading, Berkshire, 1 male, 22.vii.2003, Chandler leg. (PPCM). Shefford, Bedfordshire, 1 male, 1.vii.1915, Edwards leg. (BMNH). Stallode Wash, Suffolk, 14 males, 30.viii.–13.ix.1988, Foster & Procter leg. (PBLN). Straffan, Kildare, 1 male, 14.xi.1981, J.P. O'Connor leg. (NMID). Thompson Common, Norfolk, 1 male, 13.x.2002, Chandler leg. (PPCM). Wellesbourne, Warwickshire, 1 male, 17.viii.–31.viii.2000, J.E. Smith leg. (HRI). Weston, Hertfordshire, 1 male, 4.x.1931, Edwards leg. (BMNH). Wheatfen Broad, Norfolk, 1 male, 19.v.1990, Withers leg. (PPWM). Whitacre Heath, Warwickshire, 3 males, 13.x.2001, J.E. Smith leg. (HRI). Woodwalton Fen, Cambridgeshire, 1 male, 7.vi.1940, Edwards leg. (BMNH).

Ecological notes: found in broad-leaved and carr woodland; ancient pine woodland; wetlands including fen,

sedge and reed beds, raised mire, lake and river margins and wet meadows; old sand and gravel workings; grassland with pingo pools. v–xi.

LYCORIELLA (HEMINEURINA) INFLATA
(WINNERTZ, 1867)

Synonyms: *difficilis* (Grzegorzek, 1884); *interdicta* (Grzegorzek, 1884); *nitens* (Winnertz, 1867); *subvenosa* Mohrig & Krivosheina, 1983.

Literature: Edwards (1925a): 539 [as *Sciara*]; Freeman (1983b): 30; O'Connor & Ashe (1991): 29; Menzel (1998): 22 [all as *Lycoriella venosa*, misidentification]; Menzel (1998): 22 [as *Lycoriella inflata*].

Material examined: Aviemore, Highland Region, 1 male, 9.vi.1984, Chandler leg. (PPWM). Bagley, Oxfordshire, 2 males, 9.vi.1917, Hamm leg. (BMNH, UMO). Bagpiper's Tump, West Wood, Herefordshire, 1 male, 10.x.1998, Chandler leg. (NMS). Bix Bottom, Oxfordshire, 2 males, 6.vii.2002, Chandler leg. (PPCM). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 5 males, 6 females, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Burnham Beeches, Buckinghamshire, 1 male, 5.vii.–20.vii.1995, Ismay leg. (HRI). Castle Eden Dene, Durham, 1 male, 12.ix.1989, J.H. Cole leg. (PJCB). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Coombe Abbey Country Park, Coventry, Warwickshire, 1 female, 28.viii.2003, J.E. Smith leg. (HRI). Crawfordsburn Country Park, Down, 1 male, 2.vii.1987, Chandler leg. (PPCM). Epping Forest, Essex, 1 male, 28.vi.2000, Chandler leg. (PPCM); 1 male, 29.vi.2000, Henshaw leg. (PPCM). Glyn Wood, Monmouthshire, 1 male, 9.vii.1986, Chandler leg. (NMS). Goring Heath, Oxfordshire, 1 male, 20.iii.1964, Burt leg. (BMNH). Greywell Fen, Hampshire, 3 males, 1 female, 29.viii.2002, Chandler leg. (HRI). Hobb's Quarry, Gloucestershire, 1 male, 4.ix.2002, Gibbs leg. (PDGB). Ivy Thorn Hill, Somerset, 1 male, 20.vi.2001, Gibbs leg. (PDGB). Jeffry Bog, North Yorkshire, 1 male, 14.vi.1997, Chandler leg. (PPCM). Lackham Park, Wiltshire, 1 male, 20.ix.2002, Chandler leg. (PPCM). Lea Meadows, Newtown Linford, Leicestershire, 3 males, 2 females, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Littlecote Park, Wiltshire, 1 male, 25.viii.1973, Chandler leg. (NMS). Longborough, Gloucestershire, 1 male, 8.iv.2003, J.E. Smith leg. (HRI). Narborough Bog, Whetstone, Leicestershire, 1 female, 24.viii.2003, Menzel leg. (DEI). Newtown St. Boswell's, Scottish Borders, 1 male, 15.vii.1986, Chandler leg. (NMS). Odiham Common, Hampshire, 1 male, 7.vii.1990, Chandler leg. (PPCM). Passage East, Waterford, 1 male, 13.vii.1989, J.P. & M.A. O'Connor leg. (NMID). Sned Wood, Lower Lye, Herefordshire, 2 males, 14.vii.2003, J.E. Smith leg. (HRI). Stradey

Wood, Carmarthen, 3 males, 13.x.1995, McLean & Chandler leg. (PPCM). The Dingle, Isle of Anglesey, 1 male, 5.vii.1987, Chandler leg. (PPCM). Tomintoul, Moray, 1 male, 8.viii.–11.viii.1937, Coe leg. (BMNH). West End Common, Esher, Surrey, 1 male, 16.vii.2002, Chandler leg. (PPCM). West Harling Common, Norfolk, 1 male, 1.iv.1989, Withers leg. (PPWM). Windsor Forest, Berkshire, 1 male, 6.ix.1986, Chandler leg. (NMS). Wyre Forest, Worcestershire, 1 male, 6.viii.1988, Chandler leg. (PPCM). Wytham Woods, Wytham, Oxfordshire, 1 male, 1 female, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: common in broad-leaved and carr woodland; mixed woodland and conifer plantations; water meadows; reed and sedge beds; river bank; former gravel workings; grassland (incl. calcareous). iii–iv, vi–x.

LYCORIELLA (HEMINEURINA) MODESTA
(STAEGER, 1840)

Synonyms: *arctica* (Holmgren, 1869); *ecalcarata* (Holmgren, 1869); *frigida* (Holmgren, 1869) [preocc.]; *fumatella* (Lundbeck, 1898); *groenlandica* (Holmgren, 1872); *holmgreni* (Rübsaamen, 1894).

Literature: Freeman (1983a): 168; Freeman (1983b): 30; Menzel (1998): 22; Chandler *et al.* (2002): 124.

Material examined: Blaise Wood, Avon, 1 female, 4.vii.1985, Ackland leg. (NMS). Castlecomer, Kilkenny, 2 males, 25.vi.1987, Chandler leg. (PPCM). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Edwards leg. (BMNH). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Dinton Pastures Country Park, Berkshire, 1 male, 30.vii.1994, Chandler leg. (PPCM). Dunster, Somerset, 1 male, 8.vii.1986, Chandler leg. (NMS). Earith Gravel Pits, Cambridgeshire, 1 male, 26.vi.1976, J.H. Cole leg. (PJCB). Glen of Drumloch, Moray, 4 males, 16.viii.1937, Coe leg. (BMNH). How Hill, Norfolk, 3 males, 24.vi.1990, Withers leg. (PPWM). Kingsbury Water Park, Warwickshire, 3 males, 1 female, 13.x.2001, J.E. Smith leg. (HRI). Nesbitt Dene, Durham, 1 male, 23.vii.1990, Chandler leg. (PPCM). Scargill, Durham, 1 male, 27.vii.1985, Chandler leg. (PPCM). Sidmouth, Devon, 1 male, 10.v.1936, Edwards leg. (BMNH). Skenfrith, Monmouthshire, 1 male, 12.vi.1997, Chandler leg. (PPCM). Spey Bay, Highland Region, 1 male, 2.vii.1936, Coe leg. (BMNH). Tregate Bridge, Monmouthshire, 2 males, 12.vi.1997, Chandler leg. (PPCM). Wicken Fen, Cambridgeshire, 1 male, 8.vii.1989, Chandler leg. (NMS). Wytham Wood, Oxfordshire, 1 male, 8.vii.1962, K.G.V. Smith leg. (BMNH).

Ecological notes: found in broad-leaved and carr woodland (incl. acid and limestone); wetlands including

fens, water meadows and reed beds; near gravel pit; old hedges; parkland. v–x.

LYCORIELLA (LYCORIELLA) CASTANESCENS
(LENGERSDORF, 1940)

Synonyms: *agarici* Loudon, 1978; *difficilis* (Frey, 1948) [preocc.]; *fucorum* (Frey, 1948); *paucisetulosa* (Frey, 1948); *rufotincta* Tuomikoski, 1959.

Literature: Symes (1921): 142, 188 and 234 [as *Sciara praecox*, misidentification]; Edwards (1925a): 540 [in part as *Sciara praecox*, misidentification]; Basden (1933): 44; Madwar (1937): 43 [all as *Sciara auripila*, misidentification]; Binns (1973): 119; Binns (1975): 1; Chandler (1978): 209; Skidmore (1978): 76; Binns (1980): 143; Binns (1981): 417; Freeman (1983b): 31; White (1986): 11; Freeman (1987): 201; White & Jarrett (1990): 373; Pethybridge (1991): 453; Laurence (1994): 118; Laurence (1997a): 85; Laurence (1996): 85; Laurence (1997b): 228; Laurence & James (1997): 166; White (1997): 29 [all as *Lycoriella auripila*, misidentification]; Menzel (1998): 22; White *et al.* (2000): 208; White & Smith (2000): 165; Chandler (2001): 201.

New to Irish list.

Material examined: Alconbury, Cambridgeshire, 1 male, 3.v.1976, J.H. Cole leg. (PJCB). Austwick, North Yorkshire, 1 male, v.1933, Edwards leg. (BMNH). Avon Valley Wood, Devon, 1 male, 3.i.1978 (reared), Hurrell leg. (BMNH). Badger Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. (PPCM). Beaconsfield, Buckinghamshire, 5 males, 24.iii.–2.vi.1934 (reared), Basden leg. (NMS). Berwick-upon-Tweed, Northumberland, 3 males, vi.1999; 1 male, vii.1999; 1 male, viii.1999, all Laurence leg. (PBLN). Black Park, Buckinghamshire, 2 males, 20.vi.–26.vi.1934; 1 male, 26.vi.1934 (all reared), all Basden leg. (BMNH, NMS). Bockmer End, Buckinghamshire, 1 male, 10.iii.1932 (reared), Basden leg. (BMNH). Boveney, Buckinghamshire, 1 male, 23.iii.1933 (reared), Basden leg. (NMS). Braemar, Aberdeenshire, 1 male, 19.vii.–30.vii.1938, Coe leg. (BMNH). Bradfield Wood, Suffolk, 1 male, 6.vii.–11.vii.1990; 1 male, 23.v.–30.v.1991; 1 male, v.1991; 1 male, 16.viii.–22.viii.1991, all Laurence leg. (PBLN). Brampton Wood, Cambridgeshire, 1 male, 20.xi.1995; 2 males, 23.xi.1995 (all reared), all J.H. Cole leg. (PJCB). Brancaster, Norfolk, 1 male, 2.ix.1988, Foster & Procter leg. (PBLN). Buckingham Palace Garden, Greater London, 1 male, 27.iii.–24.iv.1997, D.J. Carter & C.W. Plant leg. (PPCM). Bucklebury Common, Berkshire, 9 males, v.1997 (reared), Storey leg. (PPCM). Burnham, Buckinghamshire, 1 male, 14.vii.1934; 1 male, 7.viii.1934; 1 male, 12.ix.1934 (all reared), all Basden leg. (NMS). Byfleet, Surrey, 1 male, iv.1939, Edwards leg. (BMNH). Cat-

field, Norfolk, 1 male, 26.viii.1988, Foster & Procter leg. (PBLN). Cheltenham, Gloucestershire, 23 males, 12.v.1995, White leg. (DEI). Cheshunt, Hertfordshire, 1 male, 26.xii.1928, Speyer leg. (BMNH). Chesswood Nurseries, Pulborough, West Sussex, 33 males, 1 female, 24.v.1995, White leg. (DEI). Coed Dolgarrog, Conwy, 1 male, 28.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Coed Tycanol, Pembrokeshire, 1 male, 29.vi.–7.vii.1999, Levey & Pavett leg. (PPCM). Cors Erddreiniog, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cotswold Mushroom Farm, Cheltenham, Gloucestershire, 2 males, 12.v.1995, White leg. (HRI). Dickleburgh, Norfolk, 2 males, 23.iii.1986; 1 male, 27.xii.1988–2.i.1989, all Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 7.xi.1994, Chandler leg. (PPCM). Dorchester, Dorset, 5 males, xi.1921, Bottomley leg. (BMNH). Epping Forest, Essex, 1 male, v.1999, Dagley leg. (PPCM). Felixstowe, Suffolk, 19 males, 15.vi.1995, White leg. (DEI). Gatewen Marsh, Denbighshire, 3 males, 3.viii.1988; 1 male, 21.vi.1988, all Holmes, Boyce & Reed leg. (PPWM). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 13.viii.1956; 4 males, 20.viii.1956; 1 male, 27.viii.1956; 2 males, 5.ix.1956; 1 male, 10.ix.1956; 2 males, 17.ix.1956; 5 males, 1 female, 18.ix.1956; 1 male, 24.ix.1956; 3 males, 3.x.1956; 1 male, 8.x.1956; 1 male, 15.x.1956; 1 male, 22.x.1956; 17 males, 23.x.1956; 1 male, 9.xi.1956; 1 male, 12.xi.1956; 1 male, 19.xi.1956; 2 males, 23.xi.1956; 1 male, 26.xi.1956; 1 male, 17.xii.1956; 5 males, 15.x.1958; 1 male, 1 female, no date, all Hussey leg. (HRI); 1 male, 7.iv.1961; 1 male, 26.iii.1962; 1 male, 27.i.1965; 1 male, 26.iv.1965; 5 males, 4.v.1965, all Gurney leg. (HRI); 2 males, vii.1963, Warner leg. (HRI); 4 males, ii.1975; 6 males, 26.viii.1975; 10 males, viii.1975; 19 males, 11.ix.1975; 1 male, 24.ix.1975; 7 males, 2 females, 1975; 6 males, 4 females, 1977; 4 males, 2 females, no date, all Binns leg. (HRI). Grange-over-Sands, Cumbria, 1 male, 20.iii.1996, Birkett leg. (PPCM). Great Missenden, Buckinghamshire, 2 males, 1996, J.E. Smith leg. (HRI). Greywell Fen, Hampshire, 1 male, 29.viii.2002, Chandler leg. (PPCM). Hailsham, Kent, 8 males, 25.v.1995, White leg. (DEI); 2 males, 1996, J.E. Smith leg. (HRI). Hickling, Norfolk, 1 male, v.1988; 1 male, vii.1988; 12 males, x.1988, all Foster & Procter leg. (PBLN). Hill End, Oxfordshire, 1 male, 13.x.1999, Chandler leg. (PPCM). Inglecroft Nursery, Littlehampton, West Sussex, 1 male, 9.ii.1958, Gurney leg. (HRI). Ipswich, Suffolk, 3 males, 1996, J.E. Smith leg. (HRI). Kelham Bridge, Ravenstone, Leicestershire, 2 males, 24.viii.2003, Menzel leg. (DEI). Kingsbury Water Park, Warwickshire, 1 female, 13.x.2001, J.E. Smith leg. (HRI). Land's End, Cornwall, 2 males, 22.i.1998, Roper leg. (PPRS). Letchworth, Hertfordshire, 4 males, xi.1917; 1 male, ii.1918; 1 male, 27.ix.1923, all Edwards leg. (BMNH). Littlehampton, West Sussex, 4 males, 1986, White leg. (HRI). Liverpool, Merseyside, 1 male, 15.xi.1901, Newstead leg. (BMNH). Llyn Creiniog, Denbighshire, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). London, Greater London, 2 males, 1921, no collector detail (BMNH). Lye Hill, Oxfordshire, 1 male, 7.iii.1912, Hamm leg. (BMNH). Magor Marsh, Monmouthshire, 1 male, 28.ix.1987; 1 male, 7.vii.1988; 1 male, 28.ix.1988, all Holmes, Boyce & Reed leg. (PPWM). Maidenhead, Berkshire, 11 males, 25.v.1995, White leg. (DEI); 3 males, 1996, J.E. Smith leg. (HRI). Market Weston Fen, Suffolk, 1 male, 6.ix.1988 (reared), Withers leg. (PPWM). Marston, Oxfordshire, 3 males, 21.iii.–27.iii.1933 (reared), Basden leg. (NMS). Medmenham, Buckinghamshire, 1 male, 17.iii.1934, Basden leg. (BMNH). Milham Ford School, Oxford, Oxfordshire, 1 male, 6.vi.–11.vi.2002, Webb leg. (PPCM). Monkfield Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (PPCM). Nazeing, Essex, 5 males, 31.vii.1975; 8 males, 3.viii.1975, all Stephens leg. (HRI). Newbury, Berkshire, 2 males, 31.v.1935 (reared), Brown leg. (BMNH). North Ronaldsay, Orkney, 9 males, 9.ix.–10.ix.1989, Laurence leg. (PBLN). Oxford, Oxfordshire, 2 males, 5.ii.1917, Hamm leg. (BMNH). Penarth, Vale of Glamorgan, 1 male, v.1934 (reared), Hallett leg. (BMNH). Pulborough, West Sussex, 1 male, 1996, J.E. Smith leg. (HRI). Reedham, Norfolk, 4 males, 27.vi.–11.vii.1988; 14 males, 11.vii.–12.viii.1988; 4 males, 13.viii.–27.viii.1988, all Foster & Procter leg. (PBLN). Rye Harbour, East Sussex, 1 male, 27.iii.2002 (reared), Roper leg. (PPRS). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 12.x.2001, J.E. Smith leg. (HRI). St. David's Airfield, Pembrokeshire, 1 male, 29.ix.1987, Holmes, Boyce & Reed leg. (PPWM). St. Ives, Cornwall, 12 males, 18.v.1995, White leg. (DEI); 2 males, 1996, J.E. Smith leg. (HRI). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 4.vii.2003, Ismay & Schulten leg. (UMO). Snetterton, Norfolk, 1 male, 11.x.1987, Withers leg. (PPWM). Stalode Wash, Suffolk, 1 male, 24.vi.–8.vii.1988, Foster & Procter leg. (PBLN). Stanford, Norfolk, 2 males, 27.iii.–10.iv.1988, Collier leg. (PPWM). Stronsay, Orkney, 4 males, 21.v.1988, Laurence leg. (PBLN). Strumpshaw, Norfolk, 2 males, 13.vi.–11.vii.1988, Foster & Procter leg. (PBLN). Temple, Berkshire, 1 male, 27.iii.1923; 4 males, 13.iii.–24.iii.1932; 2 males, 20.iii.1932; 1 male, 29.iv.1933; 2 males, 11.v.–12.v.1933; 1 male, 10.iii.1934 (all reared), all Basden leg. (BMNH, NMS). The Loke, Norwich, Norfolk, 5 males, 23.iv.1987; 2 males, 26.iv.1987; 1 male, 9.v.1987; 3 males, 4.vii.1987; 1 male, 5.vii.1987; 1 male, 10.viii.1987; 1 male, 15.viii.1987; 1 male, 8.ix.1987; 2 males, 15.viii.–16.viii.1988; 1 male, 2.v.–6.v.1992; 5 males, v.1992; 1 male, 26.vi.–30.vi.1998, all

Laurence leg. (PBLN). The Oaks, Cambridgeshire, 2 males, ix.1998, C.W. Plant leg. (PPCM). Thompson Common, Thompson, Norfolk, 1 male, 10.vi.–24.vi.1988, Foster & Procter leg. (PBLN). Tomintoul, Moray, 1 male, 8.viii.–11.viii.1937, Coe leg. (BMNH). Trefeiddan Moor, Pembrokeshire, 1 male, 21.vii.1987; 3 males, 29.ix.1987, all Holmes, Boyce & Reed leg. (PPWM). Vicarage Bog, Wrexham, 1 male, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Wellesbourne, Warwickshire, 2 males, 24.ii.–2.iii.2000; 2 males, 17.viii.–31.viii.2000; 3 males, 24.v.–27.vi.2001; 1 male, 27.vi.–5.vii.2001, all J.E. Smith leg. (HRI). Wicken Fen, Cambridgeshire, 1 male, 12.v.1990, Withers leg. (PPWM). Willes Meadow, Leamington Spa, Warwickshire, 1 male, 27.viii.2002, Menzel leg. (DEI). Wotton-under-Edge, Gloucestershire, 1 male, 20.iv.1965, Gurney leg. (HRI); 1 male, no date, Hussey leg. (HRI). Yeovil, Somerset, 10 males, 17.v.1995, White leg. (DEI). No locality details, England, 1 male, 1 female, 1 pupa, 2 larvae, no date, Speyer leg. (HRI).

Ecological notes: common in broad-leaved and carr woodland; also found in mixed woodland; wet and humid heathland; wetlands including fen; reed and sedge beds, *Sphagnum* kettlehole, raised mire and water meadows; gravel pits; old hedges; grassland with pingo pools; unimproved calcareous grassland; parkland; gardens; grounds of horticultural research station; school grounds with old poplars; decaying vegetation by race track; vegetable detritus on cliff top with salty spray; shingle beach; greenhouses; mushroom farms. Reared from nests of dormouse, mole, moorhen, coot, linnet and blackbird; rotten fungus-covered wood; daffodil bulbs; haystack; old wasp nest; rotting onions; stable manure; mushroom compost; the fungi *Laetiporus sulphureus* and *Lepiota cristata*; soil from rabbit burrow; crowns of sea kale. i–xii.

LYCORIELLA (LYCORIELLA) CELLARIS
(LENGERSDORF, 1934)

Synonyms: *rufula* Tuomikoski, 1959; *stramentorum* (Frey, 1948).

Literature: Basden (1933): 44 [as *Sciara agraria*, misidentification]; O'Toole (1978): 163 [as *Plastosciara vanderwieli*, misidentification]; Freeman (1983b): 31 [in part as *Lycoriella agraria*, misidentification]; Dunne & O'Connor (1989): 65 [as *Lycoriella solani*, misidentification]; Laurence (1994): 118 [in part as *Lycoriella mali*]; Menzel (1998): 22; Chandler (2001): 201 [as *Lycoriella ingenua*, misidentification].

New to Irish list.

Material examined: Balmoral Forest, Aberdeenshire, 1 male, 19.vii.–30.vii.1938, Coe leg. (BMNH). Beacon-

sfield, Buckinghamshire, 1 male, 15.iii.1933, Basden leg. (BMNH). Berwick-upon-Tweed, Northumberland, 2 males, vii.1999; 1 male, ix.1999; 1 male, x.1999; 1 male, 4.xi.1999, all Laurence leg. (PBLN). Boat of Garten, Highland Region, 1 male, v.1934, Edwards leg. (BMNH). Buckingham Palace Garden, Greater London, 1 male, 21.x.–28.xi.1996, D.J. Carter & C.W. Plant leg. (PPCM). Burnham, Buckinghamshire, 6 males, 7.viii.–29.xii.1934 (reared); 1 male, 25.viii.1934, all Basden leg. (BMNH, NMS). Burnham Beeches, Buckinghamshire, 1 male, 27.viii.1934 (reared), Basden leg. (NMS); 1 male, 9.x.–26.x.1996, Ismay leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 1 male, 23.v.–27.v.2002; 1 male, 11.vi.2002; 1 male, 18.vi.2002; 1 male, 15.ix.2002, all Ismay & Schulten leg. (DEI, UMO). Chingford, Greater London, 6 males, v.1916, Nicholson leg. (BMNH). Cobham, Kent, 1 male, 1 female, 27.ii.1967 (reared), Hutson leg. (BMNH). Collinpark Wood, Gloucestershire, 1 male, 2.ix.2002, Gibbs leg. (PPCM). East Burnham, Buckinghamshire, 9 males, 14.iii.–23.v.1933 (reared); 10 males, 15.x.–23.xi.1933; 1 male, 17.iii.1934; 1 male, 24.iii.1934; 1 male, 23.v.1934, all Basden leg. (NMS). Epping Forest, Essex, 5 males, 22.iii.–viii.1999, Dagley leg. (PPCM). Farnham Common, Buckinghamshire, 2 males, 24.vi.1933; 11 males, 1.x.–28.x.1933; 3 males, 14.x.1933; 1 male, 24.iv.1934 (all reared), all Basden leg. (BMNH, NMS). Farnham Royal, Buckinghamshire, 21 males, 3.iv.–26.vi.1934; 1 male, 18.v.1934; 10 males, 25.vi.–27.vi.1934 (all reared), all Basden leg. (BMNH, NMS). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 10.ix.1956; 1 male, 26.xi.1956; 1 male, 17.xii.1956; 1 male, 30.vii.1957, all Hussey leg. (HRI). Grange-over-Sands, Cumbria, 1 male, 20.iii.1996, Birkett leg. (PPCM). Hook Farm, Bromley, Greater London, 1 male, 9.i.1965 (reared), Chandler leg. (PPCM). Kinsealy Research Centre, Dublin, 3 males, vii.–viii.1986 (reared), Dunne leg. (NMID). Lackham Park, Wiltshire, 1 male, 24.x.2002, Chandler leg. (PPCM). Loch Rannoch, Perth & Kinross, 1 male, 21.x.2000, Chandler leg. (PPCM). London, Greater London, 2 males, 1921, no collector detail (BMNH). Medmenham, Buckinghamshire, 1 male, 16.i.1932 (reared), Basden leg. (NMS). Oxford University Museum, Oxford, Oxfordshire, 1 male, 1 female, 19.x.1920, Hamm leg. (BMNH). Pett's Wood, Greater London, 1 male, 22.i.1982; 1 male, no date, all Freeman leg. (BMNH). Pinkney's Green, Berkshire, 1 male, 21.iv.1934 (reared), Basden leg. (BMNH). Plymouth, Devon, 1 male, 8.ii.1985, J.H. Cole leg. (PJCB). Radwell, Hertfordshire, 1 male, 21.x.1917, Edwards leg. (BMNH). Seer Green, Buckinghamshire, 13 males, 4.i.–22.ii.1933; (reared), all Basden leg. (BMNH, NMS). Skomer Island, Pembrokeshire, 1 male, x.1995, A.R. Plant leg. (PPRS).

Stonor, Oxfordshire, 1 male, 12.iii.1933 (reared), Basden leg. (NMS). Temple, Berkshire, 8 males, 1.vi.–18.vi.1931; 1 male, 30.i.1932; 3 males, 3.ii.–15.ii.1932; 1 male, 25.iii.1932; 13 males, 7.vi.–29.vi.1933; 2 males, 4.ix.1933; 2 males, 4.x.1933; 1 male, 24.iii.1934; 1 male, 30.iv.1934 (all reared), all Basden leg. (BMNH, NMS). The Loke, Norwich, 2 males, 20.iv.1987; 1 male, 26.iv.1987; 1 male, 18.vi.1987; 1 male, 24.x.–25.x.1987; 1 male, 19.vii.1988; 1 male, 15.viii.–16.viii.1988; 1 male, 21.viii.–24.viii.1989; 4 males, 28.iv.–4.v.1990; 1 male, 2.v.–6.v.1992; 1 male, 26.vi.–30.vi.1992; 1 male, 29.ix.–3.x.1992, all Laurence leg. (DEI, PBLN). Wellesbourne, Warwickshire, 1 male, 24.v.–27.vi.2001, J.E. Smith leg. (HRI). Wisley, Surrey, 1 male, no date, Buxton leg. (BMNH). Wye, Kent, 3 males, vii.1932, Austin leg. (BMNH).

Ecological notes: common in broad-leaved woodland; ancient woodland with oak, hazel and bramble; conifer plantations; heathland (heather) with oak and holly; grounds of horticultural research station; gardens; island with seabird colonies. Reared from the fungi *Hypholoma fasciculare*, *Sparassis crispa*; soil taken from rabbit burrow; nests of blackbird, sand martin, song thrush, house sparrow, linnet, rook, moorhen, magpie, little owl, grey squirrel, brown rat and hedgehog; wasp nest; tit nestbox; decoy nest; from mushroom and poinsettia compost. i–xii.

LYCORIELLA (LYCORIELLA) FELIX (SCHMITZ, 1918)

New to British list.

Material examined: Austwick, North Yorkshire, 1 male, v.1933, Edwards leg. (BMNH).

Ecological notes: found on a raised mire. v.

LYCORIELLA (LYCORIELLA) INCONSPICUA
TUOMIKOSKI, 1960

Literature: Laurence & James (1997): 166 [as *Lycoriella lundstromi*, misidentification].

New to British list.

Material examined: Cadair Idris, Gwynedd, 3 males, 19.vi.1993; 2 males, 3.vii.1993; 1 male, 16.viii.1993; 4 males, 4.ix.1993; 1 male, 22.x.1993; 1 male, 13.xi.1993, all Laurence leg. (PBLN). Clovelly, Devon, 1 male, 8.v.1936, Edwards leg. (BMNH). Hafod Garregog, Gwynedd, 1 male, 30.vi.–14.vii.1999, Levey & Pavett leg. (PPCM). Haytor, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved woodland; mixed woodland; moorland on granite; open montane habitats. v–xi.

LYCORIELLA (LYCORIELLA) INGENUA (DUFOR, 1839)

Synonyms: ? *agraria* (Felt, 1897); *bigoti* (Laboulbène, 1863); *brevipila* Tuomikoski, 1960; *celer* (Winnertz, 1867); *debilis* (Winnertz, 1867); *decliva* (Winnertz, 1867); *flammulinae* (Sasakawa, 1983); *flaviventris* (Winnertz, 1867); *humilis* (Winnertz, 1867); *mali* (Fitch, 1856); *mycorum* (Frey, 1948); *pauciseta* (Felt, 1897); *ramicola* (Kieffer, 1919); *segnis* (Winnertz, 1871); *solani* (Winnertz, 1871); *velox* (Winnertz, 1867); *venusta* (Winnertz, 1867).

Literature: Edwards (1925a): 540 [as *Sciara agraria* and *Sciara ? nitidicollis*, misidentification]; Edwards (1934b): 34 [as *Sciara (?) fenestralis*, misidentification]; Madwar (1937): 49 [as *Sciara fenestralis*, misidentification]; Chandler (1978): 209 [as *Lycoriella agraria* and *Lycoriella solani*]; Binns (1981): 417 [as *Lycoriella solani* and *Lycoriella mali*]; Freeman (1983b): 31 [as *Lycoriella agraria* and *Lycoriella solani*]; Freeman (1987): 201 [as *Lycoriella mali*]; Laurence (1994): 118 [in part as *Lycoriella mali*]; Menzel (1998): 22; White *et al.* (2000): 208; Leigh & Ware (2003): 124.

Material examined: Addington, Greater London, 1 male, 3 females, v.–vi.1943 (reared), Coe leg. (BMNH). Afon Bran, Powys, 1 male, 1 female, 11.vi.1979 (reared), Chandler leg. (PPCM). Ashford, Kent, 15 males, 25.v.1995, White leg. (DEI). Badger Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (PPCM). Baldock, Hertfordshire, 1 male, ix.–x.1917, Edwards leg. (BMNH). Beaconsfield, Buckinghamshire, 1 male, 19.iii.1933 (reared), Basden leg. (BMNH). Belstead House, Suffolk, 1 male, 1984 (reared), Evans leg. (PPWM). Berwick-upon-Tweed, Northumberland, 1 male, ix.1999, Laurence leg. (PBLN). Boston Common, Norfolk, 1 male, 5.vii.1982, Evans leg. (PPWM). Brampton, Cambridgeshire, 4 males, 6 females, 3.v.–4.v.1997 (reared), J.H. Cole leg. (PJCB). Bristol, Avon, 3 males, 1998, J.E. Smith leg. (HRI). Bromham, Bedfordshire, 1 male, vi.1983 (reared), Rands leg. (BMNH). Bromley, Greater London, 5 males, 2 females, i.1966; 1 male, 1 female, 2.ix.1966; 6 males, 4 females, xii.1971 (reared), all Chandler leg. (NMS, PPCM). Brown's Folly, Avon, 1 male, 24.viii.2000, Gibbs leg. (PDGB). Burnham Beeches, Buckinghamshire, 1 male, 28.v.–14.vi.1996; 1 male, 9.x.–26.xi.1996, all Ismay leg. (PPCM). Burton, Staffordshire, 9 males, 3 females, 15.viii.1995, White leg. (DEI). Castletown, Highland Region, 1 male, 3.viii.1972, Chandler leg. (PPCM). Chattenden Wood, Kent, 1 male, 4 females, 26.xi.1966 (reared), Chandler leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 2 males, 23.v.–27.v.2002; 1 female, 11.vi.2002; 3 females, 23.ix.2002; 1 female, 16.x.2002, all Ismay & Schulten leg. (DEI, UMO). Costessey, Norfolk, 1 male, 31.vi.1984 (reared), Evans leg. (PPWM). Cothill,

Oxfordshire, 1 male, 14.x.1999, Chandler leg. (NMS). Crofton Heath, Greater London, 1 male, 1 female, 16.x.1966, Chandler leg. (NMS). Cuckoo Wood, Downe, Greater London, 5 males, 5 females, 31.i.1967 (reared), Chandler leg. (PPCM). Cupar, Fife, 12 males, 27.vii.1995, White leg. (DEI). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Epping Forest, Essex, 3 males, 2 females, 18.ix.–20.ix.1998 (reared), Chandler leg. (NMS, PPCM); 1 male, 1.iii.1999, Dagley leg. (PPCM). Evesham, Worcestershire, 8 males, 6 females, 8.viii.1995, White leg. (DEI); 2 males, 1996, J.E. Smith leg. (HRI). Fairfield Experimental Horticulture Station, Kirkham, Lancashire, 1 male, 1 female, no date, Hussey leg. (HRI). Farnborough Park, Warwickshire, 1 male, 10.x.2001, Chandler leg. (HRI). Farnham Common, Buckinghamshire, 3 males, 28.v.–31.v.1934 (reared), Basden leg. (NMS). Felthorpe Wood, Norfolk, 1 male, 1.xi.1983; 1 male, 1984; 1 male, 15.v.1987 (all reared), all Evans leg. (PPWM). Foxley Wood, Norfolk, 1 male, ii.1972 (reared), Evans leg. (PPWM). Gerrard's Cross, Buckinghamshire, 3 males, xi.1951 (reared), Buxton leg. (BMNH). Milton of Campsie, Glasgow, City of Glasgow, 6 males, 26.vii.1995, White leg. (DEI). Glasshouse Crops Research Station, Littlehampton, West Sussex, 2 males, 17.ix.1956; 1 male, 24.ix.1956; 2 males, 3.x.1956; 2 males, 23.x.1956; 1 male, 12.xi.1956; 1 male, 30.vii.1957; 25 males, 13.viii.1957; 5 males, 15.x.1958; 2 males, no date, all Hussey leg. (HRI); 2 males, 6.i.1964; 1 male, 1 female, 8.i.1964; 1 female, 10.i.1964; 2 males, 26.iv.1965; 3 males, 4.v.1965; 1 female, 28.v.1965; 1 male, 1 female, 3.vii.1965; 2 males, 1 female, 9.vii.1965; 1 male, 2.iii.1966, all Gurney leg. (HRI); 1 male, 24.ix.1975; 5 males, 2 females, 1975; 3 males, 1 female, 1977, all Binns leg. (HRI). Great Missenden, Buckinghamshire, 11 males, 24.v.1995, White leg. (DEI). Greenlands, Buckinghamshire, 18 males, 4.ix.–25.xi.1933; 2 males, 28.x.1933; 1 male, 10.xi.1933 (all reared), all Basden leg. (BMNH, NMS). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Hickling Broad, Norfolk, 1 male, 16.iv.1989 (reared), Evans leg. (PPWM). Holt Country Park, Norfolk, 1 male, 18.vi.1988 (reared), Evans leg. (PPWM). Honingham Fen, Norfolk, 1 male, 9.vii.1978 (reared), Evans leg. (PPWM). Hosey Common, Westerham, Kent, 1 male, viii.1967; 4 males, 3 females, xii.1968 (all reared), all Chandler leg. (PPCM). Iver Heath, Buckinghamshire, 2 males, 1 female, 13.xi.1914 (reared), Edwards leg. (BMNH). Kendal, Cumbria, 19 males, 1 female, 27.vii.1995, White leg. (DEI). Kilgetty, Pembrokeshire, 18 males, 8.vi.1995, White leg. (DEI). Lackham Park, Wiltshire, 1 male, 24.v.2002, Chandler leg. (PPCM). Langton Hall, North Yorkshire, 1 male, 28.vii.1985, Withers leg. (PPWM). Leckford Estate, Hampshire, 2 males, 1 female, 15.iv.–21.iv.1972 (reared); 1 male, 16.iii.1974, all Chandler leg. (PPCM). Letchworth, Hertfordshire, 1 male, ix.1917, Edwards leg. (BMNH). London, Greater London, 1 male, no date, Wycherley leg. (PBLN). Lopham Fen, Norfolk, 1 male, vii.1978 (reared), Evans leg. (PPWM). Manchester, Greater Manchester, 6 males, 10.xi.1931 (reared), Britten leg. (BMNH). Maynooth, Kildare, 2 males, 2 females, 1988, Al-Amidi leg. (BMNH). Milham Ford School, Oxford, Oxfordshire, 7 males, 3 females, v.2001, Webb leg. (HRI). Narford Hall, Norfolk, 1 male, 2 females, x.1984 (reared), Evans leg. (PPCM). Natural History Museum, South Kensington, Greater London, 1 male, 17.xi.1891 (reared), Austen leg. (BMNH); 3 males, xi.1933 (reared), Edwards leg. (BMNH); 7 males, 1 female, xi.1938 (reared), Edelsten leg. (BMNH). New Forest, Hampshire, 3 males, 17.x.1937, Edwards leg. (BMNH). North Berwick, East Lothian, 10 males, 27.vii.1995, White leg. (DEI). Norwich, Norfolk, 1 male, 25.ix.1980; 2 males, 5.iv.1988 (all reared), all Evans leg. (PPWM); 17 males, 3 females, 15.vi.1995, White leg. (DEI). Old Warden, Bedfordshire, 2 males, viii.1922 (reared), Edwards leg. (BMNH). Oxford, Oxfordshire, 1 male, 1 female, 21.ii.1923 (reared), Hamm leg. (BMNH). Oxford University Museum, Oxford, Oxfordshire, 1 male, 3.xii.1930, Hamm leg. (UMO). Parham, West Sussex, 2 males, no date, Hussey leg. (HRI). Pett's Wood, Greater London, 1 male, 21.xi.–22.xi.1974 (reared), Chandler leg. (PPCM); 1 male, 22.i.1982, Freeman leg. (BMNH). Port Appin, Argyll & Bute, 1 male, iii.1951 (reared), Pelham-Clinton leg. (NMS). Preston, Lancashire, 20 males, 2 females, 8.vi.1995, White leg. (DEI). Quidenham, Norfolk, 1 male, 31.vii.1987 (reared), Evans leg. (PPWM). Ripley, Surrey, 1 male, 3 females, 1922 (reared), Fox-Wilson leg. (BMNH). Rothamsted, Harpenden, Hertfordshire, 4 males, i.1933 (reared), M.A. Watson leg. (BMNH); 4 males, 25.iii.1950; 14 males, 27.iii.–28.iii.1950; 2 males, 29.iii.1950; 25 males, 14.iv.–22.iv.1950; 24 males, 1950; 4 males, no date, all Lawrence leg. (PBLN). Savernake Forest, Wiltshire, 4 males, 1 female, x.1971; 1 male, x.1972 (all reared), all Chandler leg. (NMS, PPCM). Selby, North Yorkshire, 6 males, 2 females, 8.vi.1995, White leg. (DEI). Selsdon, Greater London, 2 males, iv.1936; 1 male, 1.v.1936 (all reared), all Coe leg. (BMNH). Send, Surrey, 2 males, 2 females, no date, Harris leg. (BMNH). Sevenoaks, Kent, 2 males, i.1933 (reared), Clout leg. (BMNH). Slough, Berkshire, 1 male, 17.x.1942, Richards leg. (BMNH). Snape Maltings, Suffolk, 1 male, 11.vi.1988 (reared), Evans leg. (PPWM). St. David's Airfield, Pembrokeshire, 1 male, 29.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Taplow, Buckinghamshire, 2 males, xi.1913 (reared), no collector detail (BMNH). The Loke, Norwich, Norfolk, 2 males, 5.vii.1987; 1 male, 15.ix.1987; 1 male, 5.v.1988; 1 male, 19.vii.1988; 2 males, 15.viii.–16.viii.1988; 1 male, 18.ix.–

20.ix.1988; 1 male, 5.vi.–13.vi.1989; 3 males, 29.ix.–3.x.1992, all Laurence leg. (PBLN). Thursby, Cumbria, 13 males, 1 female, 25.vii.1995, White leg. (DEI). Thompson Common, Norfolk, 1 male, 1 female, xi.1983 (reared), Evans leg. (PPCM). Torc Falls, Killarney, Kerry, 1 male, 11.vii.1990, Withers leg. (PPWM). Wakefield, West Yorkshire, 13 males, 8.vi.1995, White leg. (DEI). Warboys Wood, Cambridgeshire, 1 male, 20.vi.1913 (reared), Fryer leg. (BMNH). Warren Wood, Norfolk, 1 male, 1980 (reared), Evans leg. (PPWM). Wellesbourne, Warwickshire, 3 males, xi.1997; 27 males, 12 females, 15.i.1998; 9 males, 21.i.1998; 3 males, 1 female, 6.i.1999; 3 males, 1 female, 20.i.1999; 3 males, 11.viii.1999; 1 male, 17.ii.–24.ii.2000; 1 male, 5.vii.–17.viii.2000; 1 female, 17.viii.–31.viii.2000, all J.E. Smith leg. (DEI, HRI). Weston-on-the-Green, Oxfordshire, 1 male, 9.iii.1923 (reared), Hamm leg. (BMNH). Weybourne Dunes, Norfolk, 1 male, 13.vi.1988 (reared), Evans leg. (PPWM). White Downs, Surrey, 3 males, 1 female, xii.1968 (reared), Chandler leg. (PPCM). Windsor Forest, Berkshire, 3 males, 4.viii.–5.viii.1999 (reared), Chandler leg. (NMS, PPCM). Windsor Great Park, Berkshire, 1 male, 31.viii.1980, Chandler leg. (PPCM). Withington, Greater Manchester, 1 male, 19.x.1920 (reared), J.H. Watson leg. (BMNH). Yetminster, Dorset, 40 males, 31 females, 5.xi.1996, White leg. (DEI). No locality details, England, 1 female, no date, Speyer leg. (HRI); 1 male, no date, Hussey leg. (HRI).

Ecological notes: very common in broad-leaved and carr woodland; also found in mixed woodland; parkland with ancient oaks; ancient woodland with oak, hazel and bramble; wooded lake margin; wet and dry heathland; wetlands including fen, sedge bed and water meadows; grassland with pingo pools; grounds of horticultural research station; school grounds with old poplars; gardens; in houses; pest on mushroom farms, in rubbish. Reared from the fungi *Agaricus campestris*, *Agrocybe praecox*, *Amanita rubescens*, *Bjerkandera adusta*, *Calocybe gambosa*, *Collybia dryophila*, *Grifola gigantea*, decayed *Ganoderma applanatum*, decayed *Polyporus* on pine trunk, *Hebeloma* species, *Hirneola auricula-judae*, *Hypoxyton rubiginosum*, *Inonotus cuticularis*, *I. hispidus*, *I. nodulosus*, *I. radiatus*, *Kuehneromyces mutabilis*, *Lactarius* species, *Lepiota cristata*, *Peziza vesiculosa*, *Pleurotus cornucopiae*, old *P. ostreatus*, *Polyporus squamosus* and other *Polyporus* species, *Russula atro-purpurea*, *R. pectinata*, *R. vesca*, *Trametes versicolor*, rotten onions, oak root gall; nests of rabbit, grey squirrel and brown rat; potatoes badly attacked by scab; propolis and wax in beehive; slug *Testacella*; flower heads of hoary ragwort; dead poplar bark; decaying bulbs; rotten oak stump; narcissus bulbs; rhubarb roots; rotten potatoes. i–xi.

LYCORIELLA (LYCORIELLA) LATISTYLA FREEMAN, 1987

Literature: Freeman (1987): 201; Menzel (1998): 22; Menzel & Mohrig (2000): 397.

Material examined: Letchworth, Hertfordshire, 1 male, v.1917, Edwards leg. [holotype of *Lycoriella latistyla*] (BMNH).

Ecological notes: probably found in house or garden. v.

LYCORIELLA (LYCORIELLA) LUNDSTROMI (FREY, 1948)

Literature: Freeman (1983a): 168; Freeman (1983b): 31; Menzel (1998): 22 [as *Lycoriella lundstroemi* (recte *lundstromi*)].

Material examined: Beaconsfield, Buckinghamshire, 1 male, 15.iii.1933; 7 males, 21.iii.–25.vi.1933 (all reared), all Basden leg. (BMNH, NMS). Bix Bottom, Oxfordshire, 1 male, 24.v.1934 (reared), Basden leg. (NMS). Buckfastleigh, Devon, 1 male, 4.vii.–5.vii.1968, Hutson leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 male, 15.vi.1931 (reared), Basden leg. (BMNH); 3 males, 22.vii.–26.xi.1996; 1 male, 17.ix.–1.x.1999, all Ismay leg. (HRI, PPCM). Collum Green, Buckinghamshire, 1 male, 6.xi.1932; 1 male, 15.xi.1932 (all reared), all Basden leg. (BMNH, NMS). Dropmore, Buckinghamshire, 1 male, 10.v.1933 (reared), Basden leg. (NMS). Epping Forest, Wake Valley, Essex, 1 male, 18.viii.1998, Dagley leg. (PPCM). Farnham Royal, Buckinghamshire, 1 male, 24.v.1934 (reared), Basden leg. (NMS). Fawley, Buckinghamshire, 3 males, 1.vi.–19.vi.1934; 1 male, 25.vi.1934 (all reared), all Basden leg. (BMNH, NMS). Glen of Drumloch, Moray, 1 male, 16.viii.1937, Coe leg. (BMNH). Greenlands, Buckinghamshire, 1 male, no date (reared), Basden leg. (NMS). Leckford, Hampshire, 1 male, 17.iv.1982, S.A. Williams leg. (PPCM). Lye Hill, Oxfordshire, 1 male, 20.iii.1911; 2 males, 12.iii.–19.iii.1916; 1 male, 17.iv.1920 (all reared), all Hamm leg. (BMNH). Marston, Oxfordshire, 1 male, 29.iv.1933 (reared), Basden leg. (BMNH). Mayford, Surrey, 2 males, 28.iv.1934; 2 males, 11.v.1934; 20 males, 14.iv.–22.v.1934 (all reared), all Basden leg. (BMNH, NMS). Medmenham, Buckinghamshire, 11 males, 30.iv.–18.v.1934 (reared), Basden leg. (NMS). Moccas Park, Herefordshire, 1 male, 11.vi.2002, Godfrey leg. (PPCM). Temple, Berkshire, 2 males, 7.iv.1932; 1 male, 17.iii.1934 (all reared), all Basden leg. (BMNH, NMS). The Coombe, Buckinghamshire, 1 male, 17.vi.1997, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 8.v.1987, Laurence leg. (PBLN). Warren Row, Berkshire, 2 males, 7.iv.1932; 3 males, 7.iv.–22.iv.1932 (all reared), all Basden leg. (BMNH, NMS).

Ecological notes: found in ancient beech and other broad-leaved woodland; garden; parkland. Reared

from nests of brown rat, barn owl, linnet, sand martin, mole, house sparrow, rabbit. iii–x.

LYCORIELLA (LYCORIELLA) MICRIA MOHRIG &
MENZEL, 1990

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 22.vii.–5.viii.1996, Ismay leg. (PPCM). Temple, Berkshire, 2 females, 18.vi.1934; 2 females, 27.vi.1934; 7 males, 13.ix.1934 (all reared), all Basden leg. (NMS).

Ecological notes: found in ancient beech woodland. Reared from rotten lime wood. iv–ix.

LYCORIELLA (LYCORIELLA) PARVA (HOLMGREN, 1869)

Synonyms: *curvispina* Tuomikoski, 1960; *difficilis* var. *obscuratipes* (Frey, 1948).

Literature: Laurence (1996): 87; Laurence & James (1997): 166 [all as *Lycoriella mali*, misidentification].

New to British list.

Material examined: Austwick, North Yorkshire, 3 males, v.1933, Edwards leg. (BMNH). Cadair Idris, Gwynedd, 13 males, 19.vi.1993; 2 males, 3.vii.1993; 1 male, 1.viii.1993; 51 males, 4.ix.1993, all Laurence leg. (PBLN).

Ecological notes: found on raised mire; open montane habitats. v–ix.

LYCORIELLA (LYCORIELLA) SUBTERRANEA
(MÄRKEL, 1844)

Synonym: *vanderwieli* (Schmitz, 1920).

Literature: Freeman (1983b): 31 [as *Lycoriella vanderwieli*].

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 26.ix.–9.x.1996, Ismay leg. (PPCM). Oxshott, Surrey, 1 male, 1902, Donisthorpe leg. (BMNH). Tubney, Oxfordshire, 3 males, 20.iv.1908, Hamm leg. (BMNH).

Ecological notes: found in ancient beech and other broad-leaved woodland; heathland and pine woodland; in ant *Formica rufa* nests. iv, ix–x.

***PHYTOSCIARA* FREY, 1942**

PHYTOSCIARA (DOLICHOSCIARA) FLAVIPES
(MEIGEN, 1804)

Synonyms: *flavipes* var. *nigrithorax* (Strobl, 1898); *fugax* (Grzegorzek, 1884).

Literature: Haliday (1833): 148; Walker (1848): 108; Walker (1856): 55 [all as *Sciara*]; Edwards (1925a): 534; Parmenter (1950): 110 [all as *Phorodonta*]; Laurence (1994): 118; Freeman (1983b): 32; Menzel (1998): 22; Coldwell (1999): 25.

Material examined: Aber Mawr, Pembrokeshire, 1 male, 13.x.1987, Holmes, Boyce & Reed leg. (PPWM). Alvecote Pools, Staffordshire, 1 male, 13.x.2001, J.E. Smith leg. (HRI). Badbury Rings, Dorset, 1 male, 1.vii.1966, Parmenter leg. (BMNH). Bagley Wood, Oxfordshire, 1 female, 21.v.1961, K.G.V. Smith leg. (BMNH). Ban-y-Gor Wood, Gloucestershire, 1 male, 12.ix.2002, Gibbs leg. (PDGB). Barra, Western Isles, 1 female, 17.viii.–28.viii.1936, A.R. Waterston leg. (NMS). Bedgebury Pinetum, Kent, 1 male, 27.x.1968, Chandler leg. (NMS). Betws-y-Coed, Conwy, 1 male, 24.ix.1966, Vane-Wright leg. (BMNH). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Blaise Wood, Avon, 1 female, 24.vi.1949, d'Assis-Fonseca leg. (NMS). Blean Wood, Kent, 2 females, 24.vi.–29.vi.1964; 6 males, 14.vii.1964; 1 male, 23.vii.1964; 1 female, 20.iv.1965; 1 female, 17.vi.1965; 2 males, 14.ix.1965; 11 females, 19.v.1973, all Parmenter leg. (BMNH). Bolt Wood, Stockerston, Leicestershire, 1 male, 24.viii.2003, J.E. Smith leg. (HRI). Bonhill, West Dunbartonshire, 1 female, 8.viii.1906; 1 female, 25.viii.1906; 1 male, 1 female, 27.viii.1907; 1 female, 7.ix.1907; 1 male, 5.vii.1909, all Malloch leg. (NMS). Bookham Common, Surrey, 2 males, 14.x.1945; 6 males, 1 female, 14.xi.1948; 2 males, 16.xi.1948; 3 males, 1 female, 12.xii.1948; 1 male, 8.iv.1950; 1 male, 8.x.1950; 1 male, 10.v.1964; 1 male, 12.v.1964, all Parmenter leg. (BMNH). Brackloon Wood, Mayo, 1 male, 4.viii.1911, Grimshaw leg. (NMS). Brancaster, Norfolk, 5 males, 1.vii.–15.vii.1988; 4 males, 2.ix.1988, all Foster & Procter leg. (PBLN). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 2 males, 11.x.2001, Chandler leg. (HRI); 3 males, 4 females, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Brithdir-Isaf, Gwynedd, 9 males, 13 females, 25.x.1971, Hutson leg. (BMNH). Brockenhurst, Hampshire, 1 male, 27.v.1910, Yerbury leg. (UMO); 1 female, 23.v.1969, Hutson leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 female, 6.v.1914, Edwards leg. (BMNH). Butley Thicks, Suffolk, 1 male, 5.vi.1910, Collin leg. (UMO). Canonteign Falls, Devon, 2 males, 22.vi.2002, J.E. Smith leg. (HRI). Catfield, Norfolk, 3 males, 13.x.–12.xii.1988, Foster & Procter leg. (PBLN). Charleville Wood, Offaly, 1 male, 15.vi.1985, Chandler leg. (PPWM). Charterhouse, Surrey, 1 male, 26.vi.1967, Stubbs leg. (PPCM). Chippenham Fen, Cambridgeshire, 1 male, 14.ix.1943, Collin leg. (UMO); 1 female, 4.xi.1984, J.H. Cole leg. (PJCB). Chipstead, Surrey, 1 male, 10.v.1965, Parmenter leg. (BMNH). Cleeve Heronry, Avon, 1 male, 11.ix.2000, Gibbs leg.

- (PDGB). Clovelly, Devon, 3 males, 8.v.1936, Edwards leg. (BMNH). Coed Dol y Bebin, Gwynedd, 1 male, 12.vii.1976, J.H. Cole leg. (PJCB). Coed y Brenin, Gwynedd, 1 female, 18.ix.1968, Vane-Wright leg. (BMNH). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Comin Esgair Maen, Ceredigion, 1 male, 23.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Coneyberry Wood, Goring-on-Thames, Oxfordshire, 1 female, 17.v.1964, J.H. Cole leg. (PJCB). Cors Caron, Ceredigion, 1 male, 27.x.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Erddreiniog, Isle of Anglesey, 1 male, 27.vii.1988; 1 male, 20.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Geirch, Gwynedd, 1 male, 28.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Gorsgoch, Ceredigion, 1 male, 15.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 1 male, 28.vii.1988; 1 male, 7.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Coulsdon, Greater London, 1 male, 23.iii.1957, Parmenter leg. (BMNH). Cuckoo Wood, Downe, Greater London, 1 male, 25.ix.1966, Chandler leg. (PPCM). Cudham, Greater London, 2 males, 27.viii.1966, Vane-Wright leg. (BMNH). Dartmouth, Devon, 1 female, 5.vi.–12.vi.1920, Edwards leg. (BMNH). Dolgellau, Gwynedd, 1 female, 13.vi.1887; 1 male, 23.vii.1888; 1 male, 24.vii.1888, all Verrall leg. (BMNH, UMO). Dowrog Common, Pembrokeshire, 1 male, 29.ix.1987; 1 male, 13.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Ewden Valley, Sheffield, South Yorkshire, 1 male, 21.ix.1971, Chandler leg. (PPCM). Farningham Wood, Kent, 1 male, 18.v.1974, Stubbs leg. (PPCM). Felden, Hertfordshire, 4 males, 21.xi.–30.xi.1894, A. Piffard leg. (BMNH). Fernworthy Reservoir, Dartmeet, Devon, 1 male, 17.viii.1986, Banks & Vane-Wright leg. (BMNH). Ffrith, Flintshire, 1 male, 7.vi.–9.vi.1919, Edwards leg. (BMNH). Fisher's Wood, Bromley, Greater London, 1 female, 8.viii.1966, Chandler leg. (PPCM). Folly Farm, Avon, 1 male, 12.ix.2000; 1 male, 28.ix.2001, all Gibbs leg. (PDGB). Frant, East Sussex, 1 male, 16.vi.1887, Verrall leg. (BMNH). Glencoyne Wood, Ullswater, Cumbria, 1 male, 1 female, 8.x.1971, Hutson leg. (BMNH). Glendalough, Wicklow, 1 male, 1 female, 13.xi.1984, Chandler leg. (PPCM). Glendalough State Forest, Wicklow, 2 females, 17.ix.1968, Chandler leg. (PPCM). Glengarriff State Forest, Cork, 1 male, 4.vii.1969, Chandler leg. (NMS). Godmanchester, Cambridgeshire, 1 male, 1 female, 29.v.2000, J.H. Cole leg. (PJCB). Hackhurst Down, Surrey, 1 male, 27.viii.1966, Chandler leg. (PPCM). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 1 male, 25.viii.2002, J.E. Smith leg. (HRI). Hayley Wood, Cambridgeshire, 1 male, 31.v.1975, J.H. Cole leg. (PJCB). Helston, Cornwall, 1 male, 11.v.1890, Verrall leg. (UMO). Hitch Wood, Hertfordshire, 1 male, 9.vii.1964, Colyer leg. (BMNH). Holt Forest, Dorset, 1 male, 13.v.1951, no collector detail (BMNH). Hollybush Hill, Stoke Poges, Buckinghamshire, 1 male, 29.x.1967, Chandler leg. (PPCM). Horsley, Surrey, 1 male, 21.v.1966, Chandler leg. (PPCM). Hosey Common, Westerham, Kent, 1 female, 25.ix.1966, Chandler leg. (NMS). Hothfield Bog, Kent, 1 female, 17.x.1970, Vane-Wright leg. (BMNH). Howth, Dublin, 1 male, 1 female, 17.vii.1971, Chandler leg. (NMS, PPCM). Ivybridge, Devon, 2 females, 18.v.1890, Verrall leg. (BMNH, UMO). Killarney, Kerry, 1 male, 5.viii.1940, Beirne leg. (BMNH). Killlaun Bog, Offaly, 3 males, 7.ix.1999, Withers leg. (PPWM). Kingsbury Water Park, Warwickshire, 1 male, 13.x.2001, Chandler leg. (HRI). Knebworth, Hertfordshire, 1 female, 12.x.1920; 1 male, 10.vi.1923, all Edwards leg. (BMNH). Knole Park, Kent, 1 male, 12.xi.1967; 1 male, 16.x.1968, all Chandler leg. (PPCM). Lancaut Nature Reserve, Gloucestershire, 1 male, 1 female, 5.ix.2002, Gibbs leg. (PDGB). Leigh Wood, Avon, 1 male, 19.x.2000, Gibbs leg. (PDGB). Lelant, Cornwall, 3 males, 2 females, 22.viii.–31.viii.1912, Yerbury leg. (BMNH). Lephinmore, Argyll & Bute, 1 male, 1.x.1951, Pelham-Clinton leg. (NMS). Limpsfield Common, Surrey, 1 male, 4.vii.1937; 3 males, 24.v.–28.vi.1964, all Parmenter leg. (BMNH). Linwood, New Forest, Hampshire, 1 female, 18.iv.1954, Colyer leg. (BMNH). Llay, Wrexham, 1 male, 31.vi.1972, Stubbs leg. (BMNH). Llyn Coethlyn, Powys, 1 male, 11.x.1988, Holmes, Boyce & Reed leg. (PPWM). Llyn Gwynant, Gwynedd, 1 female, 13.viii.1914, Edwards leg. (BMNH). Lodore, Cumbria, 1 female, 21.vi.1889, Verrall leg. (UMO). Lord's Wood, Avon, 1 male, 25.vi.2002, Gibbs leg. (PDGB). Lough Conn, Mayo, 1 male, 20.ix.2000, Chandler leg. (PPCM). Lundy Island, Devon, 2 males, 2 females, 20.vii.–22.vii.1972, Lane leg. (BMNH); 1 male, 26.vii.1972, Hutson leg. (BMNH). Lyndhurst, Hampshire, 1 male, 11.viii.1885, Verrall leg. (UMO); 1 female, 27.iii.1901, Adams leg. (UMO); 1 male, 5.v.1911, Collin leg. (UMO). Matley Bog, New Forest, Hampshire, 1 female, viii.1936, Edwards leg. (BMNH). Monk Wood, Avon, 1 male, 24.v.2000; 1 male, 22.ix.2000, all Gibbs leg. (PDGB). Monk's Wood, Cambridgeshire, 1 male, 10.vii.1972; 1 male, 25.vii.1972, all J.H. Cole leg. (PJCB). Murrough, Wicklow, 1 male, 8.v.1989, Withers leg. (PPWM). Myross Wood, Leap, Cork, 1 male, 11.viii.1977, Chainey leg. (BMNH). New Forest, Hampshire, 5 females, 10.ix.–4.x.1896; 1 male, 25.iii.1897; 1 female, 5.v.1897; 1 female, 25.ix.1897; 1 female, 22.iv.1901; 1 female, 7.ix.1907; 1 female, 16.vii.1909; 1 female, 27.vii.1909; 3 males, 26.ix.–28.ix.1909; 1 female, 17.x.1909; 1 female, 13.iv.1910; all Adams leg. (NMS, BMNH); 1 male, 18.x.1937, Edwards leg. (BMNH); 1 male, 12.v.1951, Colyer leg. (BMNH); 1 male, 20.v.1966; 1 male, 16.v.1968; 2 males, 18.v.1968; 1 male, 31.v.1968, all Parmenter leg. (BMNH). Newmarket, Cambridgeshire, 1 female,

20.viii.1901, Verrall leg. (UMO). Nuremore Lake, Carrickmacross, Monaghan, 1 female, 19.vi.1979, J.H. Cole leg. (PJCB). Oaken Wood, Barming, Kent, 1 male, 20.ix.1966, Chandler leg. (NMS). Old Coulsdon, Greater London, 1 female, 9.ix.1954, Britten leg. (BMNH). One Tree Hill, Sevenoaks, Kent, 1 male, 5.v.1968, Chandler leg. (PPCM). Oxford University Museum, Oxford, Oxfordshire, 1 male, 1.xii.1920; 1 female, 2.xii.1920; 1 female, 3.i.1921; 1 female, 27.i.1921; 1 male, 4.x.1922, all Hamm leg. (UMO). Oxford University Parks, Oxford, Oxfordshire, 1 female, 9.vii.1931, Hamm leg. (UMO). Pamber Forest, Hampshire, 1 male, 20.vi.1967, Stubbs leg. (PPCM); 1 male, 5.v.1971, J.H. Cole leg. (PJCB). Pennington, Hampshire, 1 male, 12.v.1951, Colyer leg. (BMNH). Pentryrch, Cardiff, 1 female, 27.v.1968, Chandler leg. (PPCM). Penzance, Cornwall, 1 female, 14.v.1890, Verrall leg. (UMO). Peppercombe, Devon, 1 female, 14.vi.1989, J.H. Cole leg. (PJCB). Pond Wood, Chislehurst, Greater London, 1 female, 7.xi.1966, Chandler leg. (NMS). Reedham, Norfolk, 4 males, 27.x.1988, Foster & Procter leg. (PBLN). Rhinefields, New Forest, Hampshire, 1 male, 10.iv.1966, Colyer leg. (BMNH). Rhôs Rhydd, Ceredigion, 1 male, 8.x.1987, Holmes, Boyce & Reed leg. (PPWM). Rickmansworth, Hertfordshire, 2 males, 29.vii.–31.vii.1919, Wallace leg. (BMNH). Ridley Wood, Hampshire, 1 female, 9.v.1964, Colyer leg. (BMNH). River East Lyn, Rockford, Devon, 1 male, 16.vi.1989, J.H. Cole leg. (PJCB). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, J.E. Smith leg. (HRI). Scilly Is, Cornwall, 1 female, iii.1902, Edwards leg. (BMNH). Sheviock, Cornwall, 2 males, 1 female, 9.ix.–14.ix.1912, Yerbury leg. (BMNH). Shortwood, Gloucestershire, 1 male, 27.vi.2002, Gibbs leg. (PDGB). Shottov, Oxfordshire, 2 males, 1 female, 5.viii.1918, Hamm leg. (UMO). Simonshyde, Hertfordshire, 1 female, 16.iv.1957, Colyer leg. (BMNH). Sontley Marsh, Wrexham, 1 male, 19.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Stock Ghyll, Cumbria, 4 males, 2 females, 5.x.1971, Hutson leg. (BMNH). Stoke Poges, Buckinghamshire, 1 male, 29.x.1967, Chandler leg. (NMS). Stonybrow Wood, Rotherfield Park, Hampshire, 1 male, 2.x.2002, Chandler leg. (PPCM). Strelley, Nottinghamshire, 1 male, 21.ix.1922, Edwards leg. (BMNH). Symond's Yat, Herefordshire, 1 male, ix.1936, Edwards leg. (BMNH). Three Bridges, West Sussex, 1 female, 11.viii.1888; 2 males, 1.viii.1889; 1 male, 15.vi.1897, all Verrall leg. (UMO). Thundersley Glen, Essex, 1 male, 30.iv.1986, Withers leg. (PPWM). Tickenham Hill, Avon, 1 male, 30.v.2001, Gibbs leg. (PDGB). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Torc Falls, Killarney, Kerry, 1 male, 11.vii.1990, Withers leg. (PPWM). Torcross, Devon, 1 female, 26.iv.1909, Verrall leg. (UMO). Tunbridge

Wells, Kent, 1 female, 12.vi.1886, Verrall leg. (BMNH); 1 male, iv.1925; 1 male, vi.1925, all Nurse leg. (BMNH). Valency Valley, Cornwall, 1 male, 1 female, 29.v.2000, J.H. Cole leg. (PJCB). Vaynor Wood, Gwynedd, 1 male, 2.ix.1966, Vane-Wright leg. (BMNH). Warren's Court Wood, Cork, 1 male, 11.vii.1994, Withers leg. (PPWM). Whichford Wood, Moreton-in-Marsh, Warwickshire, 3 males, 13.x.2001, J.E. Smith & Chandler leg. (HRI). Whitacre Heath, Warwickshire, 2 males, 13.x.2001, J.E. Smith & Chandler leg. (HRI). Whitmoor Vale, Hampshire, 1 male, 12.vii.1990, Chandler leg. (NMS). Wolford Wood, Moreton-in-Marsh, Warwickshire, 1 male, 11.x.2001, Chandler leg. (HRI). Woodditton Wood, Cambridgeshire, 1 female, 12.v.1920; 1 male, 8.v.1929; 1 male, 6.v.1939, all Collin leg. (UMO). Wotton, Surrey, 1 male, 27.viii.1966, Chandler leg. (NMS). Wyre Forest, Worcestershire, 2 females, 14.ix.1922, Edwards leg. (BMNH); 1 male, 2.viii.1974, Ackland leg. (NMS). Wytham Woods, Wytham, Oxfordshire, 1 male, 1 female, 21.viii.2002, J.E. Smith leg. (HRI). No locality details [? Holywood, Down], 2 specimens [without abdomen], no date, Haliday leg. (NMID).

Ecological notes: very common in broad-leaved, mixed and carr woodland; arboretum of conifers; grazed wet heathland; wetlands especially fen and bog; also reed and sedge beds, valley and basin mire, pond and lake-side marshes; former gravel workings; calcareous grassland; parkland. iii–xii.

PHYTOSCIARA (DOLICHOSCIARA) ORNATA
(WINNERTZ, 1867)

New to Irish list.

Material examined: Gearagh, Cork, 1 male, 4.v.1990, de Courcy Williams leg. (DEI).

Ecological notes: found in damp broad-leaved woodland. v.

PHYTOSCIARA (DOLICHOSCIARA) SAETOSA
(LENGERSDORF, 1929)

New to British list.

Material examined: Thompson Common, Thompson, Norfolk, 1 male, 13.ix.–27.ix.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in a site comprising broad-leaved woodland and grassland with pingo pools. ix.

PHYTOSCIARA (PHYTOSCIARA) HALTERATA
(LENGERSDORF, 1926)

Literature: Freeman (1983b): 31; Menzel (1998): 22.

Material examined: Headington Hill, Oxfordshire, 1 male, 31.viii.1916, Hamm leg. (BMNH). Spartum Fen, Oxfordshire, 1 male, 13.v.–2.vi.1988, Porter leg. (PPCM). Warburton, Greater Manchester, 1 female, 10.vi.1937 (reared); 1 male, 15.vi.1937 (reared), all Cohen leg. (BMNH).

Ecological notes: found in carr woodland. Reared from larvae feeding exposed on leaves of buttercup. v–vi, viii.

PHYTOSCIARA (PROSCIARA) PRODUCTA
TUOMIKOSKI, 1960

Literature: Ashe & O'Connor (1991): 16; Menzel (1998): 22.

Material examined: Epping Thicks, Epping Forest, Essex, 3 males, 3.v.–9.v.1999; 2 males, iv.1999; 1 male, vii.1999, all Dagley leg. (HRI, PPCM). Killoughrim Forest, Wexford, 1 male, 4.vi.1987, J.P. O'Connor leg. (NMID). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 7.vi.–23.vi.1990, Jessop leg. (PBLN). The Loke, Norwich, Norfolk, 1 male, 23.vi.1988, Laurence leg. (PBLN).

Ecological notes: found in beech, oak and other broad-leaved woodland; garden. iv–vii.

PHYTOSCIARA (PROSCIARA) PROSCIAROIDES
(TUOMIKOSKI, 1960)

Literature: Freeman (1983a): 169; Freeman (1983b): 37 [all as *Bradysia*]; Menzel (1998): 22.

Material examined: How Hill, Norfolk, 1 male, 13.viii.1989, Withers leg. (PPWM). Sutton Broad, Norfolk, 1 male, 21.viii.–1.ix.1989, Foster & Procter leg. (PPCM). Woodbastwick, Norfolk, 1 male, viii.1932; 1 male, viii.1993, all Edwards leg. (BMNH).

Ecological notes: found in damp broad-leaved woodland; carr woodland and fen; peat hollows and fen. viii–ix.

PHYTOSCIARA (PROSCIARA) UNGULATA
(WINNERTZ, 1867)

Literature: Freeman (1983b): 32; Ashe & O'Connor (1991): 16; Menzel (1998): 22; Chandler (2001): 201.

Material examined: Brampton Wood, Cambridgeshire, 2 males, 7.vi.1986, J.H. Cole leg. (PJCB). Buckingham Palace Garden, Greater London, 2 males, 18.vii.–13.viii.1997, D.J. Carter & C.W. Plant leg. (PPCM, PPWM). Burnham Beeches, Buckinghamshire, 1 male, 28.v.–14.vi.1996; 1 male, 17.v.–25.v.1999, all Ismay leg. (PPCM). California Country Park, Berkshire, 1 male, 19.v.1998, Chandler leg. (PPCM). Dick-

leburgh, Norfolk, 1 male, 6.vii.1987; 1 male, 7.v.1988, all Withers leg. (PPWM). Epping Thicks, Epping Forest, Essex, 1 male, v.1999, Dagley leg. (PPCM). Letchworth, Hertfordshire, 1 male, 2.vii.1937, Edwards leg. (BMNH). Rogate, West Sussex, 1 male, 10.vi.1979, Chandler leg. (PPCM). Wicken Fen, Cambridgeshire, 1 male, 12.v.1990, Withers leg. (PPWM). Wildmoor Heath, Berkshire, 1 male, 15.x.1999, Chandler leg. (NMS).

Ecological notes: found in ancient broad-leaved, mixed and carr woodland; heathland; fen meadows and ditches; gardens. v–viii, x.

PNYXIA JOHANNSEN, 1912

PNYXIA SCABIEI (HOPKINS, 1895)

Synonyms: *dispar* Schmitz, 1927; *ruffoi* (Venturi, 1970); *subterranea* (Schmitz, 1913).

Literature: Edwards (1925a): 584; ? Donisthorpe (1927): 139 [as *Allostoomma subterranea*]; Skidmore (1978): 76; Freeman (1983b): 27; Skidmore (1991): 101 and 149; Menzel (1998): 22.

Material examined: Cheshunt, Hertfordshire, 3 females, 31.v.1922; 1 female, 1.viii.1922 (all reared), all Speyer leg. (HRI). Enfield Wash, Greater London, 2 males, 5 larvae, 12.i.1922, Speyer leg. (HRI). Lifton Park, Devon, 5 males, 30.x.1935 (reared), Bradshaw leg. (BMNH). Natural History Museum, South Kensington, Greater London, 1 male, 4.viii.1931, Edwards leg. (BMNH). No locality details, ? England, 2 males, 3.vii.1887 (reared), Verrall leg. (BMNH); England, 2 males, 2 females, 2 larvae, no date, Speyer leg. (HRI).

Ecological notes: found in museum; pot plants. Reared from narcissus bulbs; cucumber; potato and tomato seedlings; manure. i, v, vii–viii, x.

PSEUDOLYCORIELLA MENZEL & MOHRIG, 1998

PSEUDOLYCORIELLA BRUCKII (WINNERTZ, 1867)

Synonym: *virgultorum* (Winnertz, 1867).

Literature: Freeman (1983b): 30 [as *Lycoriella (Bradysiopsis)*]; Menzel, 1998: 22; Chandler (2001): 201.

Material examined: Beech, Devil's Ditch, Cambridgeshire, 4 males, 15.vi.1936, Collin leg. (UMO). Bishop's Stortford, Hertfordshire, 1 male, vi.1993; 1 male, vi.1994, all C.W. Plant leg. (PPCM). Brasenose, Oxfordshire, 1 male, 12.vi.1915, Hamm leg. (UMO). Buckingham Palace Garden, Greater London, 1 male, 23.vi.–11.vii.1996; 1 male, 27.vi.–11.viii.1996; 3 males, 26.v.–17.vi.1997, all D.J. Carter & C.W. Plant leg. (NMS, PPCM). Buckingham Thick Copse, Northamp-

tonshire, 1 male, 29.vi.1992, Warne leg. (NMS). Burrington Combe, Somerset, 1 male, 2.vii.1985, J.H. Cole leg. (PJCB). Cambridge, Cambridgeshire, 1 male, 13.vi.1904, Jenkinson leg. (BMNH). Cothill, Oxfordshire, 1 male, 13.vii.1985, Chandler leg. (NMS). Epping Forest, Essex, 1 male, vi.1999, Dagley leg. (PPCM). Letchworth, Hertfordshire, 1 male, v-vi.1925; 1 female, 27.vi.1926, all Edwards leg. (BMNH). Little Paxton Pits, Cambridgeshire, 1 male, 15.vi.1993, J.H. Cole leg. (PJCB). Milham Ford School, Oxford, Oxfordshire, 1 male, 20.vi.2002, Webb leg. (PPCM). Oxford University Museum, Oxford, Oxfordshire, 1 male, 24.vi.1926, Hamm leg. (BMNH). Sharpshoe, Bedfordshire, 1 male, 11.vii.1997, Chandler leg. (PPCM). Sheep Leas, West Horsley, Surrey, 1 male, 16.vi.1991, Chandler leg. (PPCM). Therfield Heath, Hertfordshire, 1 male, 29.v.1993, J.H. Cole leg. (PJCB). Wansford Meadow, Cambridgeshire, 1 male, 1 female, 24.vi.1989, J.H. Cole leg. (PJCB). Wicken Fen, Cambridgeshire, 2 males, 15.vi.1990; 1 male, 5.vii.1991, all J.H. Cole leg. (PJCB). Wye Downs, Kent, 1 male, 6.vi.1936, Collin leg. (UMO).

Ecological notes: found in broad-leaved and carr woodland; fen meadows and ditches; common on calcareous grassland; stream in rocky gully; school grounds with old poplars; gardens. v–viii.

PSEUDOLYCORIELLA BRUNNEA
(BUKOWSKI & LENGERSDORF, 1936)

New to British and Irish list.

Material examined: Coed Tycanol, Pembrokeshire, 1 male, 10.vi.–29.vi.1999, Levey & Pavett leg. (PPCM). Newbridge Fen, Kildare, 2 males, 8.viii.–19.viii.1998, Withers leg. (PPWM).

Ecological notes: found in broad-leaved woodland and open fen. vi, viii.

PSEUDOLYCORIELLA KOREENSIS
(MOHRIG & MENZEL, 1992)

New to British list.

Material examined: Stokeford Heath, Dorset, 1 male, 20.v.2001, Gibbs leg. (PDGB).

Ecological notes: found on sandy heathland. v.

PSEUDOLYCORIELLA PALUDUM (FREY, 1948)

Synonyms: *leucocera* (Mohrig & Menzel, 1990); *polliciformis* (Freeman, 1990).

Literature: Freeman (1990): 54 [as *Corynoptera polliciformis*]; Menzel (1998): 22; Menzel & Mohrig (2000): 474.

Material examined: Bedford Purlieus, Cambridgeshire, 1 male, 20.vi.1985; 1 male, 23.vi.1985, all J.H. Cole leg. [including holotype of *Corynoptera polliciformis*] (BMNH, PJCB). Brockenhurst, Hampshire, 1 male, 10.vii.1907, King leg. (BMNH). Burnham Beeches, Buckinghamshire, 1 male, 8.vi.–18.vi.1999, Ismay leg. (HRI). Charlbury, Oxfordshire, 6 males, 4.vii.1936, Edwards leg. (BMNH). Coed Gorswen, Gwynedd, 1 male, 6.vii.1974, Chandler leg. (PPCM). Monk's Wood, Cambridgeshire, 1 male, 22.vi.1975, J.H. Cole leg. (PJCB). Pingle Wood, Warboys, Cambridgeshire, 1 male, 25.vi.1988, J.H. Cole leg. (PJCB).

Ecological notes: found in ancient beech and other broad-leaved woodland. vi–vii.

PSEUDOLYCORIELLA SEMIALATA (EDWARDS, 1913)

Literature: Edwards (1913a): 210; Edwards (1925a): 538; Madwar (1937): 47; Skidmore (1978): 76 [all as *Sciara*]; Freeman (1983a): 169; Freeman (1983b): 23; Freeman (1987): 197 [all as *Heterosciara*]; Menzel (1998): 22; Menzel & Mohrig (2000): 478.

Material examined: Brampton, Cambridgeshire, 8 males, 9 females, 25.iv.–27.iv.1997 (reared), J.H. Cole leg. (PJCB, PPCM). Clapham, West Sussex, 4 males, 8 females, 26.iii.1913 (reared), Collins leg. (BMNH). Knott Wood, Rothamsted, Hertfordshire, 4 males, 22.v.–23.v.1950; 3 males, 23.v.1950 (reared), all Laurence leg. (BMNH, PBLN). Norwood, Greater London, 12 males, 9 females, 22.iv.1913, Distant leg. [including lectotype and paralectotypes of *Sciara semialata*] (BMNH, ZFMK).

Ecological notes: found in grounds of horticultural research station and garden. Reared from cow dung and soil on dead plant roots. iii–v.

PSEUDOLYCORIELLA SUBBRUCKII
(MOHRIG & HÖVERMEYER, 1992)

Literature: Laurence (1994): 110 [as *Lycoriella (Bradysiopsis)*]; Menzel (1998): 22.

New to Irish list.

Material examined: Aberithon Turbary, Powys, 1 male, 19.vi.1989; 1 male, 3.vii.1989; 1 male, 17.vii.1989, all Holmes, Boyce & Reed leg. (DEI). Blaen y Wergloedd, Conwy, 1 male, 1 female, 4.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Catfield, Norfolk, 2 males, 21.vi.–5.vii.1988; 5 males, 2 females, 28.viii.–29.ix.1988; 1 male, 29.ix.–12.x.1988, all Foster & Procter leg. (DEI, PBLN). Colwyn Brook, Powys, 1 male, 20.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Bodeilio, Isle of Anglesey, 1 male, 26.vii.1988, Holmes, Boyce & Reed leg. (PPCM). Cors

Erddreiniog, Isle of Anglesey, 9 males, 29.vi.1988; 1 male, 14.vii.1988; 5 males, 27.vii.1988; 1 male, 6.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 1 male, 28.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Crymlyn Bog, Swansea/Abertawe, 2 males, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cwm Crafnant, Gwynedd, 1 male, 6.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Gatewen Marsh, Denbighshire, 2 males, 3.viii.1988, Holmes, Boyce & Reed leg. (DEI, PPWM). Killaun Bog, Offaly, ix.2000, Withers leg. (PPWM). Llyn Pencraig, Gwynedd, 1 male, 1 female, 4.viii.1988, Holmes, Boyce & Reed leg. (DEI). Llyn Ystumlyn, Gwynedd, 2 males, 16.vi.1988; 1 male, 28.vi.1988; 1 male, 26.vii.1988; 1 male, 5.x.1988; all Holmes, Boyce & Reed leg. (PPWM). Middle Harling, Norfolk, 1 male, 1.viii.–15.viii.1988, Foster & Procter leg. (PBLN). Mills Marsh, Norfolk, 20 males, 27.vi.–10.vii.1988; 16 males, 27.vi.–11.vii.1988; 10 males, 2 females, 11.viii.1988, all Foster & Procter leg. (PBLN). Moorthwaite, Cumbria, 3 males, 21.viii.1988, no collector detail (PPWM). Nûg, Conwy, 1 male, 3.viii.1988; 1 male, 27.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Oxwich, Swansea/Abertawe, 2 males, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Pant-y-Sais, Neath/Port Talbot, 1 male, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôsgoch, Powys, 1 male, 10.x.1989, Holmes, Boyce & Reed leg. (PPWM). St. David's Airfield, Pembrokeshire, 1 male, 24.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Sea Mere, Norfolk, 1 male, 6.vii.–2.ix.1988, Foster & Procter leg. (PBLN). Thompson Common, Norfolk, 1 male, 7.vi.1986, Withers leg. (PPWM); 4 males, 13.ix.–27.ix.1988, Foster & Procter leg. (PBLN). Trawsfynydd, Gwynedd, 1 male, 28.x.1988, Holmes, Boyce & Reed leg. (PPWM). Walberswick, Suffolk, 2 males, 13.ix.–27.ix.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in broad-leaved and carr woodland; damp and wet heathland; wetlands especially fens, also basin mires, saltmarsh and reed beds, bogs, and damp meadows; grassland with pingo pools. vi–x.

SCATOPSCIARA EDWARDS, 1927

SCATOPSCIARA (SCATOPSCIARA) ATOMARIA
(ZETTERSTEDT, 1851)

Synonyms: *falsaria* (Winnertz, 1867); *hybrida* (Winnertz, 1867); *mundula* (Winnertz, 1867); *pagana* (Winnertz, 1867); *pratinicola* (Winnertz, 1867); *silvestris* (Frey, 1936); *soluta* (Winnertz, 1867); *vivida* (Winnertz, 1867).

Literature: Edwards (1925a): 541 [as *Sciara tilicola*, misidentification]; Basden (1933): 44; Edwards (1934b): 34 [all as *Sciara vivida*]; Edwards (1938): 201

[as *Sciara (Scatopsiara vivida)*]; Buxton (1954): 167 [as *Scaptosciara vivida* (recte *Scatopsiara*)]; Chandler (1978): 209; O'Toole (1978): 163; Skidmore (1978): 76; Freeman (1983b): 39; Skidmore (1991): 149; Laurence (1994): 118; Laurence (1996): 86; Laurence (1997a): 85; Laurence (1997b): 228 [all as *Scatopsiara vivida*]; Menzel (1998): 22; Chandler (2001): 201; Chandler *et al.* (2002): 124.

Material examined: Ach na Bourin, Highland Region, 1 male, 1.vii.1972, Chandler leg. (PPCM). Acton, Greater London, 3 males, no date [19th century] (reared), Waterhouse leg. (BMNH). Alconbury, Cambridgeshire, 1 male, 29.iv.1976; 2 males, 9.v.1978, all J.H. Cole leg. (PJCB). Annahala bog, Gearagh, Cork, 4 males, 1.vi.1990, de Courcy Williams leg. (DEI, NMID). Aviemore, River Spey, Highland Region, 1 male, 9.vi.1984, Chandler leg. (PPWM). Babraham, Cambridgeshire, 1 male, 25.i.1918, Edwards leg. (BMNH). Badger Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (PPCM). Beaconsfield, Buckinghamshire, 11 males, 18 females, 14.iii.–17.vii.1934 (reared), Basden leg. (NMS). Becky Woods, Manaton, Devon, 3 females, 23.vi.2002, J.E. Smith leg. (HRI). Berwick-upon-Tweed, Northumberland, 1 male, iv.1999; 2 males, viii.1999; 1 male, 4.xi.1999, all Laurence leg. (PBLN). Black Park, Buckinghamshire, 1 male, 3 females, 19.vi.–23.vi.1934 (reared), Basden leg. (NMS). Bockmer End, Buckinghamshire, 1 male, 4.iii.1932 (reared), Basden leg. (NMS). Boveney, Buckinghamshire, 2 males, 16.iv.1981, Chandler leg. (PPCM). Bradfield Wood, Suffolk, 1 male, 6.vii.–11.vii.1990; 4 males, 16.viii.–22.viii.1991; 3 males, viii.1991, all Laurence leg. (PBLN). Braedownie, Angus, 1 male, 24.vii.1937, Coe leg. (BMNH). Brampton, Cambridgeshire, 1 male, 19.ii.1966, J.H. Cole leg. (PJCB). Brendon, Devon, 1 male, viii.1935, Edwards leg. (BMNH). Buckingham Palace Garden, Greater London, 1 male, 14.i.–14.ii.1997; 1 male, 28.vi.–7.vii.1997, all D.J. Carter & C.W. Plant leg. (PPCM). Bucklebury Common, Berkshire, 1 male, 28.iv.1997 (reared), Storey leg. (PPCM). Burnham, Buckinghamshire, 3 males, 7.iv.–22.iv.1932; 2 males, 9 females, 21.iv.–11.vi.1934 (all reared), all Basden leg. (NMS). Burnham Beeches, Buckinghamshire, 1 male, 3 females, 3.v.–21.vi.1931; 1 male, 8.vi.1931, all Basden leg. (BMNH, NMS); 1 male, 28.v.–19.vi.1996; 1 male, 5.viii.–31.viii.1996; 2 males, 9.x.–26.xi.1996, all Ismay leg. (PPCM). Canonteign Falls, Devon, 2 females, 22.vi.2002, J.E. Smith leg. (HRI). Catfield, Norfolk, 1 male, 12.x.1988; 1 male, 13.x.–13.xii.1988, all Foster & Procter leg. (PBLN). Chigwell Row Wood, Chigwell Row, Essex, 1 female, 20.vi.2002; 1 male, 3 females, 28.vi.2002; 1 female, 15.ix.2002; 1 female, 23.ix.2002; 1 female, 26.ix.2002; 1 female, 8.x.2002; 1 male, 5 females, 16.x.2002; 2 females, 22.x.2002, all Ismay &

- Schulten leg. (DEI, UMO). Clondalkin, Dublin, 1 male, 14.iii.–16.iii.1982, J.P. & M.A. O'Connor leg. (NMID). Coombe Abbey Country Park, Coventry, Warwickshire, 1 female, 28.viii.2003, J.E. Smith leg. (HRI). Corker Pass, Clare, 1 male, 23.v.1985, J.P. O'Connor leg. (NMID). Corrimony, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Cors Caron, Ceredigion, 1 male, 5.x.1987, Holmes, Boyce & Reed leg. (PPWM). Crickhowell, Powys, 1 male, 1.x.1936, Edwards leg. (BMNH). Culbin Sands, Highland Region, 1 male, 5.vii.–7.vii.1936, Coe leg. (BMNH); 1 male, 27.v.2002, Chandler leg. (PPCM). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Dropmore, Buckinghamshire, 1 male, 8.iv.1937 (reared), Basden leg. (BMNH). Eday, Orkney, 1 male, 1.vi.–6.vi.1988, Laurence leg. (PBLN). Epping Forest, Essex, 3 males, 1.iii.–22.iii.1999, Dagley leg. (PPCM). Fair Isle, Shetland, 1 male, 20.xi.2000, Laurence leg. (PBLN). Fairfield Experimental Horticulture Station, Kirkham, Lancashire, 1 male, no date, Hussey leg. (HRI). Falls of Tarnash, Moray, 1 male, 1.vii.1936, Coe leg. (BMNH). Farnham Royal, Buckinghamshire, 1 male, 3 females, 31.ii.–11.v.1931; 1 male, 9.v.1931; 1 male, 1 female, 21.v.–24.v.1931; 1 male, 4.ix.1933 (all reared), all Basden leg. (BMNH, NMS). Fisher's Wood, Bromley, Greater London, 1 male, 2.viii.1966, Chandler leg. (PPCM). Flitwick Moor, Bedfordshire, 1 male, 13.vii.1978, J.H. Cole leg. (PJCB). Folly Farm, Avon, 1 male, 28.ix.2001, Gibbs leg. (PDGB). Forres, Moray, 1 male, 4.vii.1936, Coe leg. (BMNH). Gamlingay Wood, Cambridgeshire, 1 male, 22.v.1992, J.H. Cole leg. (PJCB). Gearagh, Cork, 1 male, 20.iv.1990; 1 male, 19.v.1990; 1 male, 9.vi.1990; 1 male, 12.vi.1990, all de Courcy Williams leg. (DEI, NMID). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 13.viii.1956; 2 males, 10.ix.1956; 1 male, 17.ix.1956; 2 males, 13.i.1958; 1 male, 25.iii.1958; 1 male, 29.ii.1960; 1 male, 7.iii.1960, all Hussey leg. (HRI). Grassholm, Pembrokeshire, 1 male, 25.viii.1934, Edwards leg. (BMNH). Gutcher Yell, Shetland, 2 males, 13.x.–16.x.1992, Laurence leg. (PBLN). Gwaun Ystrad Caron, Ceredigion, 1 male, 24.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Harpenden, Hertfordshire, 2 males, 7.x.1934, C.B. Williams leg. (BMNH). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Haytor, Devon, 1 female, 23.vi.2002, J.E. Smith leg. (HRI). Hickling, Norfolk, 1 male, v.1988; 1 male, vi.1988; 28 males, x.1988, all Foster & Procter leg. (PBLN). Highgate Wood, Greater London, 1 male, 1998–99, Hackett leg. (PPCM). Hogley Bog, Oxfordshire, 2 males, 3.iii.1923 (reared), Hamm leg. (BMNH). How Hill, Norfolk, 1 male, 1.x.1989, Withers leg. (PPWM). Insh Marshes, Highland Region, 1 male, 30.v.2002, Chandler leg. (PPCM). Janet's Foss Wood, North Yorkshire, 2 males, vii.1980, Disney leg. (PPWM). Kelham Bridge, Ravenstone, Leicestershire, 1 female, 24.viii.2003, Menzel leg. (DEI). Kinrive Wood, Highland Region, 1 male, 15.vi.1976, Chandler leg. (PPCM). Knebworth, Hertfordshire, 1 male, iv.1922; 1 male, 13.v.1923; 1 male, viii.1936, all Edwards leg. (BMNH). Knole Park, Kent, 1 male, 4.vi.1977, Chandler leg. (PPCM). Lackham Park, Wiltshire, 1 male, 5.viii.2002, Chandler leg. (PPCM). Leckford Estate, Hampshire, 1 male, 13.iii.1974, Stubbs leg. (PPCM). Letchworth, Hertfordshire, 1 male, v.1917; 1 male, x.1917, all Edwards leg. (BMNH). Little Kildrummie, Highland Region, 7 males, 14.vi.1984, Chandler leg. (PPCM). Loch Fleet, Highland Region, 1 male, 26.v.2002, Chandler leg. (PPCM). Loch Park, Moray, 4 males, 12.viii.–14.viii.1937, Coe & Edwards leg. (BMNH). Loch Rannoch, Perth & Kinross, 1 male, 27.viii.1995, Chandler leg. (PPCM). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 24.vii.–13.viii.1990, Jessop leg. (PBLN). Lopham Fen, Norfolk, 2 males, 11.x.1990, Withers leg. (PPWM). Lye Hill, Oxfordshire, 1 male, 20.ii.1915; 2 males, 5.ii.1916, all Hamm leg. (BMNH). Mayford, Surrey, 1 male, 21 females, 21.iv.–28.iv.1934 (reared), Basden leg. (NMS). Medmenham, Buckinghamshire, 1 male, 7.vi.1931; 1 male, 1 female, 19.x.1931; 4 males, 3 females, 19.x.–1.xi.1931; 1 male, 25.x.1931; 1 female, 25.ii.1932; 1 male, 5.vi.1934; 27 males, 26 females, 16.i.–31.iii.1931–34 (all reared), all Basden leg. (BMNH, NMS). Mills Marsh, Norfolk, 1 male, 11.viii.1988, Foster & Procter leg. (PBLN). Monkfield Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (HRI). Murrough, Wicklow, 1 male, v.1989, Blackith leg. (PPWM). Nethy Bridge, Highland Region, 3 males, 16.vii.1936, Coe leg. (BMNH). New Malden, Greater London, 1 male, 15.vi.1932, Coe leg. (BMNH). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998, Good leg. (PPWM). Nettlebed, Oxfordshire, 1 male, 9.v.1998, Chandler leg. (PPCM). Nûg, Conwy, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Offley Holes, Hertfordshire, 1 male, iv.1936, Edwards leg. (BMNH). Oxford University Parks, Oxford, Oxfordshire, 1 male, 1 female, 8.vi.1915, Hamm leg. (BMNH). Radwell, Hertfordshire, 2 males, 21.x.1917, all Edwards leg. [in part labelled as 'sp. no. 5'] (BMNH, ZFMK). RAF Barnham, Suffolk, 1 male, 22.vi.1996, Chandler leg. (PPCM). Reedham, Norfolk, 1 male, 7.xii.1988–17.iii.1989, Foster & Procter leg. (PBLN). Rhôs-y-gad, Isle of Anglesey, 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 female, 12.x.2001, J.E. Smith leg. (HRI). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 4.vii.2003, Ismay & Schulten leg. (UMO). Scadbury Park, Greater London, 2 males, 1 female, 3.xi.1984, Chandler leg. (PPCM). Sedlescombe, East Sussex, 1 male, xii.1994; 1 male, 24.iii.1996, all Roper leg. (PPRS). Selsdon, Greater London, 1 male, 26.i.1937,

Coe leg. (BMNH). Shefford, Bedfordshire, 1 male, 17.xi.1917, Edwards leg. (BMNH). Sidmouth, Devon, 1 male, 10.v.1936, Edwards leg. (BMNH). Spey Bay, Moray, 12 males, 2.vii.1936, Coe leg. (BMNH). Sutton Park, Birmingham, Birmingham, West Midlands, 1 female, 7.iv.2003, J.E. Smith leg. (HRI). Temple, Berkshire, 3 males, 6 females, 12.ii.–28.iii.1932; 1 male, 24.iii.1933; 1 male, 4 females, 24.ii.–19.v.1934; 1 male, 2 females, 31.iii.–7.iv.1934 (all reared), all Basden leg. (NMS). The Loke, Norwich, Norfolk, 2 males, 20.iv.1987; 4 males, 26.iv.1987; 2 males, 8.v.1987; 1 male, 24.x.–25.x.1987; 1 male, 28.iv.–4.v.1990; 2 males, 2.v.–6.v.1992; 1 male, 21.viii.1992; 1 male, 29.ix.–3.x.1992; 2 males, 4.xi.–6.xi.1992; 2 males, 20.v.–23.v.1993, all Laurence leg. (PBLN). The Oaks, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (PPCM). Thornham Magna, Suffolk, 1 male, 14.iii.1987, Withers leg. (PPWM). Tomintoul, Moray, 1 male, 8.viii.–11.viii.1937, Coe leg. (BMNH). Trawsfynydd, Gwynedd, 1 male, 5.viii.1988; 1 male, 14.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Udale Bay, Highland Region, 1 male, 29.v.2002, Chandler leg. (PPCM). Vidlin, Shetland, 1 male, 18.vi.–21.vi.1993, Laurence leg. (PBLN). Wellesbourne, Warwickshire, 12 males, 2 females, 17.viii.–31.viii.2000; 1 male, viii.2000; 1 female, 19.i.–15.ii.2001; 1 female, 28.iii.–26.iv.2001; 1 male, 27.vi.–5.vii.2001; 1 male, 13.ix.–4.x.2001, all J.E. Smith leg. (HRI). Welwyn, Hertfordshire, 1 male, 20.ii.1928; 1 male, 21.vii.–24.vii.1934, all Edwards leg. (BMNH). Wennington Wood, Cambridgeshire, 1 male, 4.x.1975, J.H. Cole leg. (PJCB). West Harling Common, Norfolk, 1 male, 1.iv.1988; 2 males, 30.iii.1991; 1 male, 23.iv.1991, all Withers leg. (PPWM). Weston, Hertfordshire, 2 males, 4.x.1931, Edwards leg. (BMNH). Whitnash brook, Sydenham, Leamington Spa, Warwickshire, 1 male, 2 females, 4.ix.2003, J.E. Smith leg. (HRI). Wicken Fen, Cambridgeshire, 1 male, 26.iv.1916, Edwards leg. (BMNH). Windbury, Devon, 1 male, 7.vii.1986, Chandler leg. (PPCM). Windsor Forest, Berkshire, 4 males, 2 females, 3.ix.1977, Chandler leg. (PPCM). Wolford Wood, Moreton-in-Marsh, Warwickshire, 3 females, 11.x.2001, J.E. Smith leg. (HRI). Yell, Shetland, 4 males, 3.ix.–10.ix.1990, Laurence leg. (PBLN).

Ecological notes: very common in all types of woodland; heathland; moorland on granite; wetlands including fens, mires, bogs, *Cladium* beds with tufa, sedge beds, water meadows and riverside marshes; unimproved calcareous grassland; grounds of horticultural research station; on ivy; parkland; gardens; rocky island with seabird colonies. Reared from nests of coot, common shrew, field mouse, hedgehog, mole, moorhen, rabbit, thrush and wasp; the fungus *Laetiporus sulphureus* and lime galls. i–xii.

SCATOPSCIARA (SCATOPSCIARA) BUCERA
RUDZINSKI, 1994

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 7.vi.–21.vi.1995, Ismay leg. (PPCM). Epping Forest, Essex, 1 male, vii.1999, Dagley leg. (PPCM). West End Common, Esher, Surrey, 1 male, 16.vii.2002, Chandler leg. (PPCM). Whitacre Heath, Warwickshire, 1 male, 13.x.2001, J.E. Smith leg. (HRI).

Ecological notes: found in ancient beech and other broad-leaved woodland; willow carr with birch and reed beds. vi–vii, x.

SCATOPSCIARA (SCATOPSCIARA) CALAMOPHILA
FREY, 1948

Literature: Laurence (1994): 118 [in part as *Scatopsiara vivida*]; Laurence (1996): 87 [as *Scatopsiara tenax*, misidentification].

New to British and Irish list.

Material examined: Chigwell Row Wood, Chigwell Row, Essex, 1 male, 1 female, 23.v.–27.v.2002; 2 females, 18.vi.2002; 2 females, 8.x.2002; 1 female, 16.x.2002; 1 female, 22.x.2002, all Ismay & Schulten leg. (DEI, UMO). Epping Forest, Essex, 1 male, 11.ix.1998; 3 males, viii.1999, all Dagley leg. (PPCM). Gearagh, Cork, 1 male, 7.iv.1990, de Courcy Williams leg. (NMID). North Ronaldsay, Orkney, 3 males, 10.ix.1989, Laurence leg. (PBLN). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, Menzel leg. (DEI). Sedlescombe, East Sussex, 1 male, 2.vi.1999, Roper leg. (PPRS). Stallode Wash, Suffolk, 10 males, 24.vi.–8.vii.1988, Foster & Procter leg. (PBLN). Stronsay, Orkney, 1 male, 21.v.1988, Laurence leg. (PBLN). Temple, Berkshire, 1 male, 1.v.1934 (reared), Basden leg. (BMNH). The Loke, Norwich, Norfolk, 1 male, 8.v.1987; 1 male, 18.vi.1987; 1 male, 15.vii.1987; 1 male, 10.viii.1987; 1 male, 20.ii.1988; 1 male, 19.vii.1988; 1 male, 15.v.–18.v.1992; 5 males, 18.v.–23.v.1992; 1 male, v.1992; 1 male, 26.vi.–30.vi.1992; 1 male, 21.viii.1992; 1 male, 24.ix.–3.x.1992; 1 male, 24.x.–25.x.1987; 2 males, 27.vi.–30.vi.1993, all Laurence leg. (PBLN). Windsor Forest, Berkshire, 1 male, iv.1933 (reared), Donisthorpe leg. (BMNH).

Ecological notes: found in ancient oak and beech forest and other broad-leaved woodland; ancient woodland with oak, hazel and bramble; heathland; marshland; garden; grassland at woodland fringe; near shore. Reared from spruce bark and rotten horse chestnut wood. ii, iv–x.

SCATOPSCIARA (SCATOPSCIARA) EDWARDSI
FREEMAN, 1983

Literature: Freeman (1983a): 167; Freeman (1983b): 40; Menzel (1998): 22.

Material examined: Baldock, Hertfordshire, 1 male, viii.1918, Edwards leg. (BMNH). Balmoral Forest, Aberdeenshire, 1 male, 1.viii.–4.viii.1937, Coe leg. (BMNH). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). How Hill, Norfolk, 1 male, 8.iv.1989, Withers leg. (PPWM). Hoxne, River Waveney, Suffolk, 1 male, 1.iv.1990, Withers leg. (PPWM). Market Weston Fen, Suffolk, 1 male, 12.v.1991, Withers leg. (PPWM). Searles Farm, Reading, Berkshire, 1 male, 26.vi.2003, Chandler leg. (PPCM). Shepreth, Cambridgeshire, 5 males, 6 females, 23.ii.1918 [paratypes of *Scatopsciara edwardsi*]; 2 males, ii.1918 [holotype and paratype of *Scatopsciara edwardsi*] (all reared), all Edwards leg. (BMNH). West Harling Common, Norfolk, 1 male, 30.iii.1991, Withers leg. (PPWM).

Ecological notes: found in damp broad-leaved woodland; conifer plantations; peat hollows and fen; fen with sedge pools; river margin; water meadow. Reared from unnamed fungus and *Auricularia mesenterica*. ii–vi, viii, xi.

SCATOPSCIARA (SCATOPSCIARA) FLUVIATILIFORMIS
MOHRIG & MAMAEV, 1987

Synonym: *germana* Rudzinski, 1994.

Literature: Laurence (1997a): 85 [as *Scatopsiara multispina*, misidentification].

New to British list.

Material examined: Bradfield Wood, Suffolk, 4 males, 6.vii.–11.vii.1990, Laurence leg. (PBLN). Burnham Beeches, Buckinghamshire, 1 male, 18.v.1990, Chandler leg. (PPCM). Epping Forest, Essex, 2 males, v.1999, Dagley leg. (PPCM). Morrone Birkwood, Aberdeenshire, 1 male, 31.v.1998, Chandler leg. (NMS). Theale, Berkshire, 1 male, 6.viii.2003, Chandler leg. (PPCM).

Ecological notes: found in ancient beech and other broad-leaved woodland; birch woodland with calcareous seepages; carr woodland. v, viii.

SCATOPSCIARA (SCATOPSCIARA) FLUVIATILIS
(LENGERSDORF, 1940)

Synonyms: *coei* Freeman, 1983; *pulchra* (Lengersdorf, 1940); *robusticornis* (Frey, 1948).

Literature: Freeman (1983a): 167; Freeman (1983b): 40; O'Connor & Ashe (1991): 29 [all as *Scatopsciara*

coei]; Menzel (1998): 22; Menzel & Mohrig (2000): 490.

Material examined: Aylesbeare Common, Devon, 1 male, 25.x.2000, C.W. Plant leg. (PPCM). Balmoral Forest, Aberdeenshire, 1 male, 1.viii.–4.viii.1937, Coe leg. (BMNH). Ben Lawers, Perth & Kinross, 1 male, 1.vi.1932, Edwards leg. [paratype of *Scatopsciara coei*] (BMNH). Boat of Garten, Highland Region, 1 male, v.1934, Edwards leg. [paratype of *Scatopsciara coei*] (BMNH). Brampton Wood, Cambridgeshire, 2 males, 27.v.1987, J.H. Cole leg. (PJCB). Epping Forest, Essex, 1 male, 25.x.2001, Chandler leg. (PPCM). Glendalough, Wicklow, 1 male, 24.iv.1989, J.P. & M.A. O'Connor leg. (NMID). Glyn Ceiriog, Clwyd, 2 males, 26.vi.–7.vii.1995, Brock leg. (HRI). Goyt Valley, Derbyshire, 2 males, 18.vii.–20.vii.1939, Edwards leg. (BMNH). Holme Fen, Cambridgeshire, 2 males, 27.v.1987, J.H. Cole leg. (PJCB). King's Somborne, Hampshire, 1 male, viii.1936, Edwards leg. [paratype of *Scatopsciara coei*] (BMNH). Loch Pityoulish, Highland Region, 1 male, 3.vii.1933, Coe leg. [holotype of *Scatopsciara coei*] (BMNH). Lochan an Daimh, Perth & Kinross, 1 male, 29.v.1998, Chandler leg. (PPCM). New Forest, Hampshire, 1 male, 18.x.1937, Edwards leg. [paratype of *Scatopsciara coei*] (BMNH). Norwich, Norfolk, 1 male, 3.vii.1983, Irwin leg. (PPWM). Sutton Park, Birmingham, West Midlands, 1 male, 7.iv.2003, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved and mixed woodland; conifer plantations; stream with alder; heath and parkland; wetlands; open marsh by pool; scrub and *Sphagnum* bog; open montane habitats; garden. iv–viii, x.

SCATOPSCIARA (SCATOPSCIARA) LATIPTERA
RUDZINSKI, 1995

Literature: Laurence (1996): 87 [as *Scatopsciara tenax*, misidentification].

New to British list.

Material examined: The Loke, Norwich, Norfolk, 1 male, 5.vii.1987, Laurence leg. (PBLN).

Ecological notes: found in garden. vii.

SCATOPSCIARA (SCATOPSCIARA) MULTISPINA
(BUKOWSKI & LENGERSDORF, 1936)

Synonym: *barbula* Mohrig & Mamaev, 1985.

Literature: Freeman (1983b): 39; Menzel (1998): 22; Chandler (2001): 201; Chandler *et al.* (2002): 124.

Material examined: Annahala bog, Gearagh, Cork, 1 male, 10.viii.1990, de Courcy Williams leg. (DEI). Baldock, Hertfordshire, 1 male, v.1918, Edwards leg.

(BMNH). Bayfordbury Estate, Hertford, Hertfordshire, 1 male, 17.vi.1975, J.H. Cole leg. (PJCB). Berwick-upon-Tweed, Northumberland, 6 males, iv.1999; 1 male, vii.1999; 1 male, 1.x.1999; 2 males, 4.xi.1999, all Laurence leg. (PBLN). Blaen y Wergloedd, Conwy, 1 male, 4.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Boundless Copse, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Braedownie, Angus, 1 male, 24.vii.1937, Coe leg. (BMNH). Buckingham Palace Garden, Greater London, 1 male, 26.vi.1998, Chandler leg. (PPCM). California Country Park, Berkshire, 3 males, 6.viii.1999, Chandler leg. (NMS, PPCM). Cambridge, Cambridgeshire, 2 males, 3.xi.1903, Jenkinson leg. (BMNH). Cleddon Bog, Monmouthshire, 1 male, 10.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Craufurdland Water, East Ayrshire, 1 male, 3.vii.1995, Chandler leg. (PPCM). Cuckoo Wood, Downe, Greater London, 1 male, 20.vii.1985, Chandler leg. (NMS). Dinton Pastures Country Park, Berkshire, 1 male, 7.xi.1974, Chandler leg. (PPCM). Epping Forest, Essex, 1 male, 21.vi.1998; 1 male, x.1999, all Dagley leg. (PPCM). Fritham, New Forest, Hampshire, 1 male, 17.vi.1953, Colyer leg. (BMNH). Gearagh, Cork, 1 male, 7.iv.1990, de Courcy Williams leg. (NMID). Glasshouse Crops Research Station, Littlehampton, West Sussex, 2 males, 10.viii.1956; 3 males, 13.viii.1956; 1 male, 20.viii.1956; 1 male, 22.viii.1956; 1 male, 2.xi.1956, all Hussey leg. (HRI). Grafham Water, Savages Creek, Cambridgeshire, 1 male, 19.vi.1988, J.H. Cole leg. (PJCB). Harpford Common, Devon, 1 male, 30.vi.–26.vii.2000, C.W. Plant leg. (PPCM). Hatchett's Pond, New Forest, Hampshire, 1 male, 12.vii.1990, J.H. Cole leg. (PJCB). Hatherton, Staffordshire, 2 males, 22.viii.1983, Wyatt leg. (BMNH). Leckford Estate, Hampshire, 2 males, 4.vi.1972; 1 male, 1.ix.1999, all Chandler leg. (NMS, PPCM). Lockhart Mill, South Lanarkshire, 1 male, 4.viii.1995, Chandler leg. (PPCM). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 26.vii.–13.viii.1990, Jessop leg. (PBLN). Monkfield Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (HRI). Newbold Comyn Park, Leamington Spa, Warwickshire, 2 males, 15.vii.2001, J.E. Smith leg. (HRI). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998, Withers leg. (PPWM). Oakley Inclosure, New Forest, Hampshire, 1 male, 17.vi.1953, Colyer leg. (BMNH). Oxford University Museum, Oxford, Oxfordshire, 1 male, 27.x.1922, Hamm leg. (BMNH). Pontarffinant Wood, Carmarthen, 1 male, 12.x.1995, McLean leg. (PPCM). Potter's Bar, Hertfordshire, 1 male, 4.v.1963, Vane-Wright *et al.* leg. (BMNH). Powerscourt, Wicklow, 1 male, 10.vii.1971, Chandler leg. (PPCM). Radwell, Hertfordshire, 2 males, 1 female, 21.x.1917, Edwards leg. (BMNH). Rake Beck, North Yorkshire, 1 male, 9.vi.1976, J.H. Cole leg. (PJCB). Reedham, Norfolk, 2 males, 26.viii.–27.x.1988, Foster & Procter

leg. (PBLN). Rothamsted, Hertfordshire, 24 males, 1950, Laurence leg. (PBLN). Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Sedlescombe, East Sussex, 1 male, 5.iv.1997, Roper leg. (PPRS). Stepside, Wicklow, 1 male, 8.v.1989, Withers leg. (PPWM). The Loke, Norwich, Norfolk, 2 males, 20.iv.1987; 1 male, 23.iv.1987; 5 males, 26.iv.1987; 1 male, 27.iv.1987; 1 male, 9.v.1987; 14 males, 5.vii.1987; 2 males, 10.viii.1987; 2 males, 15.ix.1987; 1 male, 24.x.–25.x.1987; 6 males, 21.iv.1988; 1 male, 15.viii.–16.viii.1988; 1 male, 13.vii.–19.vii.1989; 2 males, 20.v.–23.v.1993, all Laurence leg. (PBLN). Wallington, Hertfordshire, 1 male, 13.v.1934, Edwards leg. (BMNH). Wellesbourne, Warwickshire, 1 male, 1 female, 28.iii.–26.iv.2001; 1 male, 27.iv.–5.vii.2001, all J.E. Smith leg. (HRI). Welwyn, Hertfordshire, 1 male, 21.vii.–24.vii.1934, Edwards leg. (BMNH). Willes Meadow, Leamington Spa, Warwickshire, 1 male, 27.viii.2002, Menzel leg. (DEI). No locality details, ? England, 1 male, no date, Laurence leg. (PBLN).

Ecological notes: common in broad-leaved, mixed and carr woodland; gravel pits; meadow hedge; common in damp meadows; sedge bed; *Molinia* bog; parkland with old trees; grounds of horticultural research station; in sparse marginal vegetation around pond; gardens; on ivy. iii–xi.

SCATOPSCIARA (SCATOPSCIARA) NACTA
(JOHANNSEN, 1912)

Literature: Freeman (1983b): 39 [as *Scatopsciara tenax*, misidentification]; Menzel (1998): 22.

Material examined: Barkham, Berkshire, 2 males, 1 female, ix.1922 (reared), Donisthorpe leg. (BMNH). Letchworth, Hertfordshire, 1 male, vi.–vii.1936, Edwards leg. (BMNH). New Forest, Hampshire, 3 males xi.1915 (reared), Sharp leg. (BMNH). Radwell, Hertfordshire, 1 male, 21.x.1917, Edwards leg. (BMNH).

Ecological notes: found in broad-leaved woodland; on ivy. Reared from fungus and under pine bark. vi–vii, ix–xi.

SCATOPSCIARA (SCATOPSCIARA) NANA
(WINNERTZ, 1871)

Literature: Freeman (1983b): 40; Laurence (1996): 87; Laurence (1997b): 228; Laurence & James (1997): 166 [as *Scatopsciara nana* and *Scatopsciara vitripennis*, misidentification]; Menzel (1998): 22; Withers (2002): 115.

Material examined: Alconbury, Cambridgeshire, 1 male, 9.v.1978, J.H. Cole leg. (PJCB). Blaen y Wergloedd, Conwy, 2 males, 13.x.1988, Holmes, Boyce &

Reed leg. (PPWM). Bradfield Wood, Suffolk, 1 male, 11.ix.–16.ix.1990, Laurence leg. (PBLN). Cadair Idris, Gwynedd, 3 males, 4.ix.1993, Laurence leg. (PBLN). Cefn Grwyd, Neath/Port Talbot, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Caranod, Ceredigion, 1 male, 23.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Gatewen Marsh, Denbighshire, 1 male, 3.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Gors Llwyn, Neath/Port Talbot, 1 male, 14.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Gwaun Ystrad Caron, Ceredigion, 2 males, 14.x.1986, Holmes, Boyce & Reed leg. (PPWM). Hafod Garregog, Gwynedd, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Harpenden, Hertfordshire, 1 male, 13.v.1934; 1 male, 7.x.1934, all C.B. Williams leg. (BMNH). Haytor, Devon, 1 female, 23.vi.2002, J.E. Smith leg. (HRI). Hengistbury Head, Hampshire, 1 male, 3.vi.1938, Edwards leg. (BMNH). Hickling Broad, Norfolk, 2 males, viii.1932, Edwards leg. (BMNH). Kergord, Shetland, 1 male, 26.vii.–28.vii.1996, Laurence leg. (PBLN). Killaun Bog, Offaly, 2 males, ix.2000, Withers leg. (PPWM). Lackham Park, Wiltshire, 1 male, 2.vii.2002, Chandler leg. (PPCM). Leckford Estate, Hampshire, 1 male, 18.iii.1971, Stubbs leg. (PPCM). Letchworth, Hertfordshire, 2 males, 2 females, ii.1918, Edwards leg. (BMNH). Loch Callater, Aberdeenshire, 1 male, 28.vii.–29.vii.1937, Coe leg. (BMNH). Magor Marsh, Monmouthshire, 1 male, 21.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Malham Tarn, North Yorkshire, 2 males, 11.ix.–14.ix.1981, Disney leg. (PPWM). Newbold Comyn Park, Leamington Spa, Warwickshire, 1 male, 29.vii.2001, J.E. Smith leg. (HRI). Newbridge Fen, Kildare, 2 males, 8.viii.–19.viii.1998, Good leg. (PPWM). Newmarket, Cambridgeshire, 2 males, 25.vii.1893, Verrall leg. (BMNH). North Ronaldsay, Orkney, 1 male, 3.ix.1989; 1 male, 9.x.1989, all Laurence leg. (PBLN). Orphir, Orkney, 1 male, 26.viii.1988, Laurence leg. (PBLN). Oxford University Museum, Oxford, Oxfordshire, 1 male, 20.iv.1921, Hamm leg. (BMNH). Redgrave Lake, Suffolk, 1 male, 24.v.1987, Withers leg. (PPWM). Salisbury Plain Training Area, Warminster, Wiltshire, 5 males, 29.v.2003; 2 males, 4.vii.2003, all Ismay & Schulten leg. (DEI, UMO). The Loke, Norwich, Norfolk, 2 males, 23.iv.1987; 3 males, 9.v.1987; 1 male, 5.vii.1987; 1 male, 1.iv.1988; 1 male, 5.vi.–13.vi.1989; 1 male, 4.vi.–6.xi.1992, all Laurence leg. (PBLN). Trefeiddan Moor, Pembrokeshire, 1 male, 21.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Wellesbourne, Warwickshire, 1 male, 24.v.–27.vi.2001, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved, mixed and carr woodland; wet heathland; moorland on granite; wetlands including fens, reed and sedge beds, *Cladium* beds with tufa, mires, bog, lakeshore and water

meadows; unimproved calcareous grassland; open montane habitats; near shore; garden. Reared from coot nest. ii–x.

SCATOPSCIARA (SCATOPSCIARA) NEGLECTA MENZEL & MOHRIG, 1998

Literature: ? Walker (1848): 109; ? Walker (1856): 55 [all as *Sciara pusilla*; misidentification]; Freeman (1983b): 40 [as *Scatopsciara pusilla*, misidentification]; Laurence (1994): 118; Laurence (1997a): 85 [all in part as *Scatopsciara pusilla*]; Menzel (1998): 22.

New to Irish list.

Material examined: Alvecote Pools, Staffordshire, 1 male, 13.x.2001, Chandler leg. (HRI). Badger Wood, Cambridgeshire, 1 male, x.1998, C.W. Plant leg. (PPCM). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Bradfield Wood, Suffolk, 1 male, 16.viii.–22.viii.1991, Laurence leg. (PBLN). Bromley, Greater London, 1 male, 2.x.1966, Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 2 males, 15.ix.–4.x.1995; 1 male, 8.vii.–27.vii.1996, all Ismay leg. (PPCM); 1 male, 21.iv.1998, Chandler leg. (PPCM). California Country Park, Berkshire, 1 male, 6.viii.1999; 1 male, 29.vi.2002, all Chandler leg. (PPCM). Clovelly, Devon, 1 male, 8.v.1936, Edwards leg. (BMNH). Delamere, Cheshire, 2 males, 23.v.1924, Britten leg. (BMNH). Dinton Pastures Country Park, Berkshire, 1 male, 3.x.1993, Chandler leg. (PPCM). Epping Forest, Essex, 1 male, viii.1999; 1 male, ix.1999, all Dagley leg. (PPCM). Gearagh, Cork, 1 male, 7.vi.1990, de Courcy Williams leg. (NMID). Glen Affric, Highland Region, 8 males, v.1992 (reared), MacGowan leg. (NMS). Hartslock, Oxfordshire, 1 male, 6.v.2000, Raper leg. (PDGB). Hickling, Norfolk, 2 males, 1988, Foster & Procter leg. (PBLN). Hobb's Quarry, Gloucestershire, 1 male, 4.ix.2002, Gibbs leg. (PDGB). Lackham Park, Wiltshire, 1 male, 2.vii.2002, Chandler leg. (PPCM). Lancut Nature Reserve, Gloucestershire, 1 male, 5.ix.2002, Gibbs leg. (PDGB). Lion Wood, Redditch, Worcestershire, 1 male, 10.iv.2003, J.E. Smith leg. (HRI). Lockhaugh Bank Wood, Derwent Valley, Tyne & Wear, 1 male, 26.vii.–13.viii.1990, Jessop leg. (PBLN). Mid Quoich, Aberdeenshire, 1 male, 22.ix.2000, Godfrey leg. (PPCM). Moccas Park, Herefordshire, 1 male, 11.vi.2002, Godfrey leg. (PPCM). Paramoor Wood, Cornwall, 1 male, 7.vii.1983, Chandler leg. (PPCM). Sheep Leas, West Horsley, Surrey, 1 male, 15.vi.1966 (reared), Chandler leg. (PPCM). Sutton Park, Birmingham, West Midlands, 1 male, 7.iv.2003, J.E. Smith leg. (HRI). The Loke, Norwich, Norfolk, 1 male, 15.viii.–16.viii.1988; 1 male, 29.ix.–3.x.1992, all Laurence leg. (PBLN). Warboys Wood, Cambridgeshire, 4 males, v.1931, Fryer leg. (BMNH). West End Common, Esher, Surrey, 2

males, 19.x.2001; 1 male, 17.vii.2002, all Chandler leg. (PPCM). Weston, Hertfordshire, 1 male, ix.1931, Edwards leg. (BMNH). Whitacre Heath, Warwickshire, 1 male, 13.x.2001, Chandler leg. (HRI).

Ecological notes: very common in all types of woodland; heath and parkland; wooded river bank; old hedges; sedge bed; water meadows; old sand and gravel workings; calcareous grassland; gardens. Reared from the fungi *Phaeolus schweinitzii* on pine and *Trametes versicolor*. iv–x.

SCATOPSCIARA (SCATOPSCIARA) PUSILLA
(MEIGEN, 1818)

Synonyms: *paludicola* (Lengersdorf, 1940); *pavida* (Winnertz, 1867); *pusilliformis* Mohrig & Mamaev, 1986; *zygoneuroides* Frey, 1948.

Literature: Laurence (1994): 118; Laurence (1997a): 85 [all in part]; Menzel (1998): 22; Withers (2002): 115.

Material examined: Bradfield Wood, Suffolk, 1 male, 16.viii.–22.viii.1988, Laurence leg. (PBLN). Bure Marshes, Norfolk, 1 male, 15.x.1983, Foster & Procter leg. (PPWM). Catfield, Norfolk, 1 male, 12.x.1988, Foster & Procter leg. (PBLN). Coombe Abbey Country Park, Coventry, Warwickshire, 2 males, 28.viii.2003, Menzel leg. (DEI). Cors Graianog, Gwynedd, 1 male, 7.x.1988, Holmes, Boyce & Reed leg. (PPWM). Flatford Mill, Suffolk, 1 male, 13.viii.1981, no collector detail (PPWM). Gearagh, Cork, 1 male, 7.vi.1990, de Courcy Williams leg. (NMID). Hickling Broad, Norfolk, 1 male, 27.v.1991, Withers leg. (PPWM). Malham Tarn, North Yorkshire, 1 male, 11.ix.–18.ix.1981, Disney leg. (PPWM). Murrough, Wicklow, 1 male, 8.v.1989, Withers leg. (PPWM). Searles Farm, Reading, Berkshire, 1 male, 6.viii.2003, Chandler leg. (PPCM). Sedlescombe, East Sussex, 1 male, 23.iii.1996, Roper leg. (PPRS). Strumpshaw, Norfolk, 1 male, 13.vi.–11.vii.1988, Foster & Procter leg. (PBLN). Vicarage Bog, Wrexham, 1 male, 12.x.1988, Holmes, Boyce & Reed leg. (PPWM). Wheatfen Broad, Norfolk, 1 male, 19.v.1990, Withers leg. (PPWM). Whitnash brook, Sydenham, Leamington Spa, Warwickshire, 1 male, 4.ix.2003, J.E. Smith leg. (HRI). Ynys Eidiol, Ceredigion, 1 male, 9.x.1987, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found in broad-leaved woodland especially carr; grazed wet heathland; wetlands including bogs, basin mire, *Sphagnum* kettlehole; *Phragmites* and sedge bed; damp meadow; grassland at woodland fringe. iii, v–x.

SCATOPSCIARA (SCATOPSCIARA) SUBCALAMOPHILA
MENZEL & MOHRIG, 1991

Synonym: *subvivida* Laurence, 1994.

Literature: Laurence (1994): 116 [as *Scatopsciara subvivida*]; Menzel (1998): 22; Menzel & Mohrig (2000): 500.

Material examined: 60 males. Catfield, Norfolk, 1 male, 13.x.–13.xii.1988, Foster & Procter leg. [paratype of *Scatopsciara subvivida*] (PBLN). Hickling, Norfolk, 12 males, 8.viii.–22.viii.1988, Foster & Procter leg. (PBLN); 1 male, x.1988, Laurence leg. [paratypes of *Scatopsciara subvivida*] (PBLN). Reedham, Norfolk, 1 male, 27.vi.–11.vii.1988; 18 males, 27.x.1988, all Foster & Procter leg. [paratypes of *Scatopsciara subvivida*] (PBLN). Stallode Wash, Suffolk, 16 males, 10.vi.–24.vi.1988; 3 males, 10.vi.–26.vi.1988; 8 males, 24.vi.–8.vii.1988, all Foster & Procter leg. [holotype and paratypes of *Scatopsciara subvivida*] (DEI, PBLN).

Ecological notes: found in carr woodland; fen; marshland; sedge beds. vi–viii, x–xii.

Taxonomic note: In Laurence's collection there are 19 males that were labelled by the author as 'PARATYPE, *Scatopsciara subvivida*' with the dates 10.vi.–24.vi.1988 [2 males (DEI); 14 males (PBLN)] and 10.vi.–26.vi.1988 [1 male (DEI); 2 males (PBLN)]. In the original description, however, only 9 paratypes from Stallode Wash, Suffolk [Laurence (1994): 117 [as '9 males, similar data']] were recorded. It seems possible that there was a printing error and that it should have been 19, not 9! Therefore, the total type series for *Scatopsciara subvivida* stands as the holotype and 59 paratypes.

SCATOPSCIARA (SCATOPSCIARA) SUBCILIIATA
TUOMIKOSKI, 1960

Literature: Freeman (1983b): 37 [in part as *Bradysia regularis*, misidentification].

New to British list.

Material examined: Aviemore, Highland Region, 4 males, 1 female, v.1934, Edwards leg. (BMNH).

Ecological notes: probably from the Spey valley but precise habitat not recorded. v.

SCATOPSCIARA (SCATOPSCIARA) TRICUSPIDATA
(WINNERTZ, 1867)

Synonyms: *degenerans* (Frey, 1948); *invalida* (Winnertz, 1867); *leucoptera* Frey (1948); *tenax* (Winnertz, 1867).

Literature: Edwards (1925a): 541 [as *Sciara*]; Chandler (1978): 209; Freeman (1983b): 39; Menzel (1998): 22.

Material examined: Bell Heath, Worcestershire, 2 males, 13.ix.1922, Edwards leg. (BMNH). Brampton

Wood, Huntingdonshire, 1 male, 11.iv.1977, J.H. Cole leg. (PJCB). Burnham Beeches, Buckinghamshire, 1 male, 15.ix.–4.x.1995; 2 males, 8.vii.–27.vii.1996, all Ismay leg. (PPCM). Knole Park, Kent, 1 male, 10.x.1971; 1 male, 28.xii.1971 (all reared), all Chandler leg. (PPCM). Turville Heath, Buckinghamshire, 1 male, 20.vii.2002, Chandler leg. (PPCM).

Ecological notes: found in ancient beech and other broad-leaved woodland; parkland; fallen trunk covered with fungus; on large dead oak. Reared from under bark of dead beech log. iv, vii, ix–x, xii.

SCATOPSCIARA (SCATOPSCIARA) VITRIPENNIS
(MEIGEN, 1818)

Synonyms: *aucta* (Winnertz, 1867); *basaliseta* (Yang & Zhang, 1987); *coracina* (Zetterstedt, 1851); *intermistia* (Winnertz, 1867); *nitidula* (Zetterstedt, 1851); *quinquelineata* (Macquart, 1834); *superba* (Winnertz, 1867).

Literature: ? Walker (1848): 105; ? Walker (1856): 53 [all as *Sciara vitripennis*]; Edwards (1925a): 539; Basden (1933): 44 [all as *Sciara quinquelineata*]; Chandler (1978): 209; Freeman (1983b): 39 [all as *Scatopsiara quinquelineata*]; Freeman (1987): 203; Laurence (1994): 118; Laurence (1996): 87; Laurence (1997b): 228; Chandler *et al.* (1996): 259; Menzel (1998): 22; Chandler (2001): 201.

Material examined: Aberffraw, Isle of Anglesey, 1 male, 9.vii.1987, Chandler leg. (PPCM). Aversley Wood, Cambridgeshire, 1 female, 24.iv.1988, J.H. Cole leg. (PJCB). Badger Wood, Cambridgeshire, 1 male, ix.1998, C.W. Plant leg. (PPCM). Baldock, Hertfordshire, 2 females, ix.–x.1917; 1 male, v.1918, all Edwards leg. (BMNH). Becky Woods, Manaton, Devon, 1 female, 23.vi.2002, J.E. Smith leg. (HRI). Bedgebury Pinetum, Kent, 1 female, 27.x.1968, Chandler leg. (PPCM). Black Park, Buckinghamshire, 3 males, 15.vi.–16.vi.1934 (reared), Basden leg. (NMS). Blaen Cilieni, Powys, 1 male, 19.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Blaen y Wergloedd, Conwy, 1 male, 13.x.1988, Holmes, Boyce & Reed leg. (PPWM). Blaise Wood, Avon, 1 female, 4.vii.1985, Chandler leg. (PPCM). Braedownie, Angus, 1 male, 4 females, 24.vii.1937, Coe leg. (BMNH). Braemar, Aberdeenshire, 1 female, 19.vi.–30.vi.1938, Coe leg. (BMNH). Brampton, Cambridgeshire, 1 male, 22.ii.1975, J.H. Cole leg. (PJCB). Brancaster, Norfolk, 3 males, 2.ix.–16.ix.1988, Foster & Procter leg. (PBLN). Castlemartin Corse, Pembrokeshire, 1 male, 22.vii.1987; 1 male, 24.vii.1987; 1 male, 3.x.–14.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Catacol, Arran, North Ayrshire, 1 female, ix.1920, J. Waterston leg. (BMNH). Catfield, Norfolk, 1 male,

12.x.–13.xii.1988, Foster & Procter leg. (PBLN). Charterhouse Alder Holt, Surrey, 1 female, 2.vii.1977, Chandler leg. (PPCM). Chigwell Row Wood, Chigwell Row, Essex, 1 female, 26.ix.2002; 1 female, 16.x.2002, all Ismay & Schulten leg. (DEI, UMO). Cors Erddreiniog, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Gyfelog, Gwynedd, 1 male, 26.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Credenhill Park Wood, Herefordshire, 1 male, 11.x.1998, Chandler leg. (PPCM). Crianlarich, Stirling, 1 male, 12.vi.1976, Chandler leg. (NMS). Den of Pitlurg, Aberdeenshire, 1 male, 17.vii.1936, Coe leg. (BMNH). Dickleburgh, Norfolk, 2 males, 7.v.1988; 1 male, 12.ii.–26.ii.1989, all Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 9.vi.1994; 1 male, 1 female, 7.xi.1994, all Chandler leg. (PPCM). East Tisted, Hampshire, 1 male, 28.viii.1972, Chandler leg. (PPCM). Epping Forest, Essex, 1 female, 20.vii.1926, Edwards leg. (BMNH); 2 males, 28.vi.2000, Chandler leg. (PPCM). Falls of Tarnash, Moray, 1 female, 1.vii.1936, Coe leg. (BMNH). Fferam Paradwys, Isle of Anglesey, 1 male, 5.vii.1987, Chandler leg. (PPCM). Freshwater East, Pembrokeshire, 1 male, 18.vii.1986, Chandler leg. (NMS). Gateheugh, by River Tweed, Scottish Borders, 1 male, 15.vii.1988, Chandler leg. (NMS). Gearagh, Cork, 1 male, 18.ix.1990, de Courcy Williams leg. (NMID). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 10.ix.1956; 2 males, 9.xi.1956; 1 male, 23.xi.1956; 2 males, 17.xii.1956; 1 male, no date, all Hussey leg. (HRI). Grafham Water, Savage's Creek, Cambridgeshire, 1 female, 30.v.1988, J.H. Cole leg. (PJCB). Greywell Fen, Hampshire, 1 male, 29.viii.2002, Chandler leg. (PPCM). Gwenfro, Isle of Anglesey, 2 males, 14.vi.1988; 1 male, 27.vii.1988, all Holmes, Boyce & Reed leg. (PPWM). Hellingly, East Sussex, 3 males, 29.viii.1935, Low leg. (BMNH). Hickling, Norfolk, 1 male, x.1988; 1 male, v.1989, all Foster & Procter leg. (PBLN). Holme Fen, Cambridgeshire, 4 males, 1 female, 27.iv.1987, J.H. Cole leg. (PJCB). Holt Island, St. Ives, Cambridgeshire, 1 female, 18.viii.2002, J.H. Cole leg. (PJCB). Hook Farm, Bromley, Greater London, 1 female, 10.vii.1966 (reared), Chandler leg. (PPCM). Hoxne, River Waveney, Suffolk, 2 males, 16.vii.1988, Withers leg. (PPWM). Kingsbury Water Park, Warwickshire, 1 male, 13.x.2001, Chandler leg. (HRI). Lackham Park, Wiltshire, 1 male, 14.x.2002, Chandler leg. (PPCM). Lady's Wood, Cambridgeshire, 1 male, 3.vi.1989, J.H. Cole leg. (PJCB). Leckford Estate, Hampshire, 1 male, 25.viii.1998, Chandler leg. (PPCM). Letchworth, Hertfordshire, 1 female, x.1917; 1 male, vi.1918, all Edwards leg. (BMNH). Llyn Hafodol, Isle of Anglesey, 1 male, 11.vii.1987, Chandler leg. (NMS). Loch Eye, Highland Region, 1 male, 26.v.2002, Chandler leg. (PPCM). Loch Fleet, Highland Region, 1 male, 26.v.2002, Chandler

leg. (PPCM). Lopham Fen, Norfolk, 1 male, 26.vi.1988, Withers leg. (PPWM). Lough Gill, Castlegregory, Kerry, 2 males, 13.vii.1990, Withers leg. (PPWM). Malahide Castle, Dublin, 1 female, 17.xi.1984, Chandler leg. (PPCM). Malham Tarn, North Yorkshire, 1 male, 11.ix.–14.ix.1981, Disney leg. (PPWM). Monkfield Wood, Cambridgeshire, 2 males, viii.1998; 2 males, x.1998, all C.W. Plant leg. (HRI, PPCM). Nethy Bridge, Highland Region, 1 male, 2 females, 16.vii.1936, Coe leg. (BMNH). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998, Good leg. (PPWM). Old Slade Wood, Buckinghamshire, 1 female, 3.vii.1973, Chandler leg. (PPCM). Orphir, Orkney, 1 male, 28.vii.1988, Laurence leg. (PBLN). Pingle Wood, Warboys, Cambridgeshire, 1 male, 1 female, 25.vi.1988, J.H. Cole leg. (PJCB). Porthcawl, Bridgend, 1 female, 18.v.1906, Yerbury leg. (BMNH). Pulham St. Mary, Norfolk, 4 males, 31.iii.1989, Withers leg. (PPWM). Radwell, Hertfordshire, 4 males, 5 females, 21.x.1917; 1 male, 31.x.1917; 2 females, 11.v.1918; 1 male, v.1918, all Edwards leg. (BMNH). Reedham, Norfolk, 2 males, 26.viii.–27.x.1988, Foster & Procter leg. (PBLN). Rhôs-y-gad, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Rye Water, Kildare, 1 male, 9.viii.1981, J.P. & M.A. O'Connor leg. (NMID). Sandy Warren, Bedfordshire, 1 male, 17.ix.1996, J.H. Cole leg. (PJCB). Sedlescombe, East Sussex, 1 male, 25.iii.2000, Roper leg. (PPRS). Stallode Wash, Suffolk, 2 males, 10.vi.–24.vi.1988; 8 males, 30.viii.–13.ix.1988, all Foster & Procter leg. (PBLN). Stoke Poges, Buckinghamshire, 1 female, 29.x.1967, Chandler leg. (PPCM). Temple, Berkshire, 7 females, 30.i.–31.i.1932; 13 females, 2.ii.–31.iii.1932; 1 female, 12.ii.1932 (all reared), all Basden leg. (BMNH, NMS). The Loke, Norwich, Norfolk, 1 male, 5.vii.1987; 1 male, 5.vi.–13.vi.1989, all Laurence leg. (PBLN). The Oaks, Cambridgeshire, 2 males, ix.1998, C.W. Plant leg. (NMS). Tomies Wood, Killarney, Kerry, 1 male, 15.ix.1981, J.P. O'Connor leg. (NMID). Tomintoul, Moray, 15 females, 8.viii.–11.viii.1937; 1 male, 1 female, viii.1937, all Coe leg. (BMNH). Tregardock Cliff, Cornwall, 1 male, 8.vii.1983, Chandler leg. (NMS). Vidlin, Shetland, 1 male, 18.vi.–21.vi.1993, Laurence leg. (PBLN). Wangford, Suffolk, 1 male, 12.vii.–13.vii.1974, Rogers, Fitton & Day leg. (BMNH). Wellesbourne, Warwickshire, 2 males, 6.iv.–13.iv.2000; 2 males, 17.viii.–31.viii.2000; 2 females, 19.i.–15.ii.2001, all J.E. Smith leg. (HRI). Wicken Fen, Cambridgeshire, 1 male, 1 female, 26.iv.1916, Edwards leg. (BMNH). Woodwalton Fen, Cambridgeshire, 1 male, vi.1939; 1 male, 24.ix.1940, all Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 1 female, 21.viii.2002, J.E. Smith leg. (HRI).

Ecological notes: very common in broad-leaved and carr woodland; also found in mixed woodland; arboretum of conifers; heathland including Breckland; wetlands including floodplain and calcareous fens, floating fen, reed and sedge beds, river and lake margins, *Cladium* with tufa, bog and water meadows; old hedges; gravel pits; open glen with stream; grazed grassland; sand dunes; grounds of horticultural research station; parkland; gardens. At ivy and guelder rose flowers. Reared from nests of rook and coot and from the fungus *Pleurotus cornucopiae* on pine stump. i–xii.

SCATOPSCIARA (XENOPYGINA) CURVILINEA
(LENGERSDORF, 1934)

Synonym: *ventrospina* Mohrig & Mamaev, 1983.

New to British list.

Material examined: Sheffield Bottom, Theale, Berkshire, 1 male, 31.viii.2003; 1 male, 26.ix.2003, all Chandler leg. (PPCM).

Ecological notes: found in broad-leaved woodland. viii, ix.

SCATOPSCIARA (XENOPYGINA) DENTIFERA (FREY, 1936)

Synonyms: *aculea* Mohrig, 1985; *siccata* Mohrig & Kauschke, 1997.

New to British list.

Material examined: Blaen Cilieni, Powys, 1 male, 2.x.1989, Holmes, Boyce & Reed leg. (PPWM). Illtyd Pools, Powys, 1 male, 2.x.1989, Holmes, Boyce & Reed leg. (PPWM). Pant-y-Sais, Neath/Port Talbot, 1 male, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôs-y-gad, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found on *Carex paniculata* and *Molinia* heath; calcareous fen; *Juncus* basin mire; *Phragmites* and *Molinia* bog. vii, x.

SCATOPSCIARA (XENOPYGINA) FRITZI MOHRIG & MENZEL, 1992

Synonym: *semantica* (Laurence, 1994).

Literature: Laurence (1994): 114 [as *Bradysia semantica*]; Menzel (1998): 22; Menzel & Mohrig (2000): 505.

Material examined: Brancaster, Norfolk, 4 males, 17.vi.–1.vii.1988; 2 males, 1.vii.–15.vii.1988; 2 males, 2.ix.1988; 7 males, 2.ix.–16.ix.1988, all Foster & Procter leg. [holotype and paratypes of *Bradysia semantica*] (DEI, PBLN); 1 male, 28.x.1988, Foster & Procter leg. (PBLN). Brandon Marsh, Ryton-on-

Dunsmore, West Midlands, 1 male, 22.viii.2002, Menzel leg. (DEI). Burnham Beeches, Buckinghamshire, 1 male, 1.vi.–8.vi.1999, Ismay leg. (PPCM). Castlemartin Corse, Pembrokeshire, 1 male, 22.vii.1987; 1 male, 14.x.1987, all Holmes, Boyce & Reed leg. (PPWM). Catfield, Norfolk, 1 male, 7.vi.–21.vi.1988, Foster & Procter leg. [paratype of *Bradysia semantica*] (PBLN). Cefn Bryn, Swansea/Abertawe, 1 male, 4.x.1989, Holmes, Boyce & Reed leg. (PPWM). Chardeon, Gwynedd, 1 male, 11.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Cors-y-Llyn, Powys, 1 male, 17.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Foulden, Norfolk, 1 male, 10.vi.–8.vii.1988, Foster & Procter leg. [paratype of *Bradysia semantica*] (PBLN). Hemingford, Cambridgeshire, 1 male, ix.1938, Edwards leg. (BMNH). Hickling, Norfolk, 1 male, 23.vi.–7.vii.1988; 11 males, 8.viii.–13.viii.1988; 2 males, 22.viii.1988, all Foster & Procter leg. [including paratypes of *Bradysia semantica*] (DEI, PBLN). Lackham Park, Wiltshire, 1 male, 13.ix.2002, Chandler leg. (PPCM). Middle Harling, Norfolk, 1 male, 28.vi.–12.vii.1988; 5 males, 1.ix.–15.ix.1988, all Foster & Procter leg. [paratypes of *Bradysia semantica*] (PBLN). Scarning, Norfolk, 10 males, 8.vi.–22.vi.1988, Foster & Procter leg. [paratypes of *Bradysia semantica*] (PBLN). Searles Farm, Reading, Berkshire, 1 male, 9.vii.2003; 1 male, 22.vii.2003, all Chandler leg. (PPCM). Sutton, Norfolk, 3 males, 9.vi.–23.vi.1988; 6 males, 4.viii.–18.viii.1988, all Foster & Procter leg. [paratypes of *Bradysia semantica*] (PBLN). Theale, Berkshire, 1 male, 26.vi.2003, Chandler leg. (PPCM). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Walberswick, Suffolk, 1 male, 1.vi.–15.vi.1988, Foster & Procter leg. [paratype of *Bradysia semantica*] (PBLN). Wheatfen Broad, Norfolk, 1 male, 8.vi.1986; 1 male, no date, all Withers leg. (PPWM). Whitnash brook, Sydenham, Leamington Spa, Warwickshire, 1 male, 4.ix.2003, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved and carr woodland; humid heathland; wetlands including fen, reed and sedge beds, acidic mire, wet meadows and salt-marsh; former gravel workings. vi–x.

Taxonomic note: As well as the listed types for *Bradysia semantica* from Laurence (1994: 114), 2 further examples from the location ‘Hickling, Norfolk’ with the dates 23.vi.–7.vii.1988 [1] and 22.viii.1988 [1] were found in Laurence’s collection in another box. These do not belong to the type series for *Bradysia semantica*.

SCATOPSCIARA (XENOPYGINA) GABYAE (HELLER, 1998)

Literature: Menzel & Heller (2005): 353 [combination in *Scatopsiara (Xenopygina)*].

New to British list.

Material examined: Llyn Penraig, Gwynedd, 2 males, 6.vii.1988, Holmes, Boyce & Reed leg. (DEI, PPWM).

Ecological notes: found in wetland with *Molinia* and *Phragmites*. vii.

Taxonomic note: This species has been transferred from *Bradysia* to the subgenus *Xenopygina* Frey on the basis of several *Scatopsiara* characteristics that suggest a close relationship to the species complex of *Sc. paradoxa* (Frey), *Sc. simillima* (Tuomikoski) and *Sc. weiperti* Menzel & Mohrig [redescription in Menzel & Heller (2005)]. These include different length of middle and posterior tibial spurs [one spur on middle leg more distinctly reduced than one on posterior leg]. The wide-compact and trapezoid tegmen, the shape of the aedeagus [stronger-shorter genital apodeme with wide-funnel-shaped base], the widely rounded apex of the gonostyle with dense bristles, strong spines and missing apical tooth, the narrow comb on the anterior tibia, the absence of spines on the anterior tibiae as well as the many bristles on the basal segment of the palpi and missing sensory pit are also typical for the subgenus *Xenopygina*.

SCATOPSCIARA (XENOPYGINA) SIMILLIMA
(TUOMIKOSKI, 1960)

Synonym: *pectinata* (Mohrig & Menzel, 1990).

Literature: Laurence (1994): 113 [as *Bradysia pectinata*]; Menzel (1998): 22.

Material examined: Comin Esgair Maen, Ceredigion, 1 male, 17.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Cors Barfog, Gwynedd, 1 male, 2.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Caron, Ceredigion, 1 male, 15.vi.1987; 1 male, 27.vii.1987, all Holmes, Boyce & Reed leg. (PPWM). Cors Farlais, Carmarthen, 1 male, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Fochno, Ceredigion, 1 male, 24.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Gyfelog, Gwynedd, 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Llanbrynmair Moor, Powys, 1 male, 1.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Rhôs Cilcennin, Ceredigion, 4 males, 1.x.1986, Holmes, Boyce & Reed leg. (PPWM). Rhôsgyll Fawr, Gwynedd, 1 male, 7.x.1988, Holmes, Boyce & Reed leg. (PPWM). Strumpshaw, Norfolk, 3 males, 13.vi.–11.vii.1988, Foster & Procter leg. (PBLN). Thompson Common, Thompson, Norfolk, 6 males, 13.ix.–27.ix.1988, Foster & Procter leg. (DEI, PBLN). Walberswick, Suffolk, 3 males, 1.vi.–15.vi.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in one site comprising broad-leaved woodland and grassland with pingo pools; oth-

erwise wetlands including valley and floodplain fens; reed beds, ungrazed basin mire, blanket bog and raised bogs, saltmarsh and damp meadow. vi–x.

SCATOPSCIARA (XENOPYGINA) WEIPERTI MENZEL & MOHRIG, 1991

Literature: Laurence (1994): 117; Menzel (1998): 22.

New to Irish list.

Material examined: Blaen y Wergloedd, Conwy, 2 males, 4.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Brampton Wood, Cambridgeshire, 1 male, 13.v.1989, J.H. Cole leg. (PJCB). Brancaster, Norfolk, 9 males, 2.ix.–16.ix.1988; 5 males, 28.x.1988, all Foster & Procter leg. (PBLN). Catfield, Norfolk, 2 males, 27.ix.–18.x.1988, Foster & Procter leg. (PBLN). Cefn Grwyd, Neath/Port Talbot, 1 male, 12.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Colwyn Brook, Powys, 1 male, 20.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Comin Esgair Maen, Ceredigion, 1 male, 23.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Caranod, Ceredigion, 1 male, 10.ix.1986, Holmes, Boyce & Reed leg. (PPWM). Cors Erddreiniog, Isle of Anglesey, 4 males, 27.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Cors Farlais, Carmarthen, 1 male, 13.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cors Geirch, Gwynedd, 3 males, 28.vii.1988; 1 male, 21.x.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Graianog, Gwynedd, 1 male, 30.vi.1988; 1 male, 28.vii.1988, all Holmes, Boyce & Reed leg. (PPWM). Cors Gyfelog, Gwynedd, 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Llyn Farch a Llyn Fanod, Ceredigion, 1 male, 10.ix.1986, Holmes, Boyce & Reed leg. (PPWM). East Harling, Norfolk, 1 male, 14.vi.–28.vi.1988, Foster & Procter leg. (PBLN). Fairwood Common, Swansea/Abertawe, 1 male, 4.x.1989, Holmes, Boyce & Reed leg. (PPWM). Foulden, Norfolk, 1 male, 10.vi.–8.vii.1988, Foster & Procter leg. (PBLN). Hickling Stubb Mill, Norfolk, 1 male, v.1988; 1 male, vii.1988; 1 male, x.1988, all Laurence leg. (PBLN); 1 male, 23.vii.–27.vii.1988; 1 male, 8.viii.–22.viii.1988, all Foster & Procter leg. (PBLN). Illtyd Pools, Powys, 1 male, 19.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Lakenheath, Suffolk, 1 male, 30.viii.–13.ix.1988, Foster & Procter leg. (PBLN). Langstone, Monmouthshire, 1 male, 12.viii.1988, Holmes, Boyce & Reed leg. (PPWM). Llanon, Swansea/Abertawe, 1 male, 29.vi.1989, Holmes, Boyce & Reed leg. (PPWM). Llyn Ystumlyn, Gwynedd, 2 males, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Middle Harling, Norfolk, 1 male, 28.vi.–11.vii.1988, Foster & Procter leg. (PBLN). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998, Withers leg. (PPWM). Pentwd Marshes, Ceredigion, 2 males, 29.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôs Llawr Cwrt, Ceredi-

gion, 3 males, 15.vii.1987, Holmes, Boyce & Reed leg. (PPWM). Rhôs Pwllgyawnen, Carmarthen, 2 males, 11.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôsgoch, Powys, 1 male, 10.x.1989, Holmes, Boyce & Reed leg. (PPWM). Rhôs-y-Gad, Isle of Anglesey, 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Roydon Common, Norfolk, 3 males, 8.vi.–22.vi.1988, Foster & Procter leg. (PBLN). Strumpshaw, Norfolk, 1 male, 13.vi.–11.vii.1988, Foster & Procter leg. (PBLN). Walberswick, Suffolk, 2 males, 1.vi.–15.vi.1988, Foster & Procter leg. (DEI). Woodbastwick, Norfolk, 6 males, 6.vi.–20.vi.1988, Foster & Procter leg. (PBLN).

Ecological notes: found in broad-leaved and carr woodland; grazed wet heath; wetlands especially fens, also sedge beds, mires, bogs and wet meadows; grazed grassland; saltmarsh and reed beds; glacial pool. v–x.

SCHWENCKFELDINA FREY, 1942

SCHWENCKFELDINA CARBONARIA (MEIGEN, 1830)

Synonyms: *frauenfeldi* (Winnertz, 1867); *illepida* (Winnertz, 1867); *indigena* (Winnertz, 1867); *pilosa* Antonova, 1975.

Literature: ? Verrall (1886): 180; Edwards (1925a): 537 [all as *Sciara*]; Edwards (1938): 201 [as *Sciara (Neosciara)*]; Grensted (1944): 202; Laurence (1952): 90 [all as *Sciara*]; Kidd (1953): 137; Parmenter (1960): 71 [all as *Sciara (Bradysia)*]; Freeman (1983b): 21; Laurence (1994): 118; Chandler *et al.* (1996): 258; Laurence (1996): 86; Laurence (1997a): 85; Laurence (1997b): 228; Menzel (1998): 22; Chandler (2001): 201 [as *Schwenckfeldina*; recte *Schwenckfeldina*].

Material examined: Acton, Greater London, 2 males, no date [19th century], no collector details (BMNH). Alice Holt Forest, Hampshire, 2 males, 23.viii.1999, Chandler leg. (NMS). Annahala bog, Gearagh, Cork, 1 male, 6.iv.1990; 2 males, 10.v.1990; 4 males, 10.viii.1990; 1 male, 25.viii.1990; 6 males, 24.ix.1990, all de Courcy Williams leg. (DEI, NMID). Arrochar, Argyll & Bute, 1 male, 26.v.1905, King leg. (NMS). Ayot Green, Hertfordshire, 2 males, 15.v.1949, Colyer leg. (BMNH). Bagley, Oxfordshire, 1 male, 19.v.1928; 1 male, 12.v.1938, all Hamm leg. (UMO). Baldock, Hertfordshire, 2 males, 1 female, v.1918, Edwards leg. (BMNH). Ballynalacken, Clare, 2 males, 1 female, 31.viii.1959, Richards leg. (BMNH). Bayfordbury Estate, Hertford, Hertfordshire, 1 male, 2.v.1975; 2 males, 20.v.1975, all J.H. Cole leg. (PJCB). Bearsted, Kent, 1 female, v.1896, Green leg. (BMNH). Beddington, Greater London, 1 male, 19.v.1935, Parmenter leg. (BMNH). Bembridge, Isle of Wight, 1 male, 2 females, 29.viii.–7.ix.1932, Coe leg. (BMNH). Binfield, Berkshire, 1 male, 13.v.1923, Dudgeon leg. (BMNH). Binnegar Quarry, Dorset, 1 male, 15.viii.2002, Gibbs

- leg. (PDGB). Bix Bottom, Oxfordshire, 1 male, 23.ix.2000, Raper leg. (PDGB). Black Park, Buckinghamshire, 1 male, 9.ix.1944, Richards leg. (BMNH). Blessington, shore of Lacken Reservoir, Wicklow, 1 male, 15.ix.1966, Chandler leg. (PPCM). Bolt Wood, Stockerston, Leicestershire, 2 males, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Bookham Common, Surrey, 1 female, 12.v.1946, Parmenter leg. (BMNH). Bournemouth, Dorset, 1 male, 26.viii.–12.ix.1991, George leg. (PPCM). Brampton Wood, Cambridgeshire, 1 male, 14.v.1966; 1 female, 25.v.1987, all J.H. Cole leg. (PJCB). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 9 males, 1 female, 22.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Brodick, Arran, North Ayrshire, 1 male, 22.v.–25.v.1919, Edwards leg. (BMNH). Bromley, Greater London, 1 female, 20.v.1966; 1 male, 2.ix.1966, all Chandler leg. (NMS, PPCM). Brown's Folly, Avon, 1 male, 24.viii.2000, Gibbs leg. (PDGB). Burlledge Hill, Avon, 1 male, 23.vi.2001, Gibbs leg. (PDGB). Burren, near Caher River, Clare, 1 male, 7.vi.–8.vi.1970, Vane-Wright leg. (BMNH). Byfleet, Surrey, 1 male, 15.ix.1920, Coe leg. (BMNH). Cadair Idris, Gwynedd, 1 male, 4.ix.1993, Laurence leg. (PBLN). Caher, Burren, Clare, 2 males, 7.v.–8.v.1970, Vane-Wright leg. (BMNH). Castlefreke, Cork, 1 male, 12.v.1989, Withers leg. (PPWM). Castlehill, Dumfries & Galloway, 1 female, 22.ix.1979, Duncan leg. (NMS). Catacol, Arran, North Ayrshire, 1 male, ix.1920, J. Waterston leg. (BMNH). Chedworth, Gloucestershire, 1 male, 5.vi.1936, Edwards leg. (BMNH). Chesil Beach, Dorset, 1 male, 12.ix.1968, Vane-Wright leg. (BMNH). Coed-y-Brenin, Gwynedd, 1 male, 18.ix.1968, Vane-Wright leg. (BMNH). Collinpark Wood, Gloucestershire, 1 male, 3.ix.2002, Gibbs leg. (PDGB). Comrie, Perth & Kinross, 1 female, 14.ix.–23.ix.1940, Kevan leg. (NMS). Coombe Abbey Country Park, Coventry, Warwickshire, 56 males, 28.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Corsemalzie, Dumfries & Galloway, 1 female, v.1899, Gordon leg. (NMS). Cothill, Oxfordshire, 2 males, 6.v.1934, Collin leg. (UMO); 2 males, 28.viii.1989, Chandler leg. (NMS). Cripplegate, Greater London, 1 male, 17.v.1947, Parmenter leg. (BMNH). Daneway, Gloucestershire, 1 male, 12.x.1979, Chandler leg. (NMS). Dinton Pastures Country Park, Berkshire, 1 male, 1.v.1993; 1 male, 8.viii.1993; 1 female, 13.viii.1995; 1 male, 1 female, 13.vii.1998, all Chandler leg. (NMS, PPCM). East Harptree Combe, Somerset, 1 female, 6.vii.1985, Chandler leg. (PPCM). Ebbor Gorge, Somerset, 1 male, 3.vii.1989, Chandler leg. (NMS). Emerson's Green, Avon, 1 male, 12.v.2001, Gibbs leg. (PDGB). Emo Park, Laois, 1 male, 11.vii.1971, Chandler leg. (PPCM). Felbridge, Surrey, 1 male, 26.v.1974, Chandler leg. (PPCM). Fisher's Wood, Bromley, Greater London, 1 female, 10.v.1966, Chandler leg. (NMS). Five Oaks, Devon, 1 male, 16.v.1954, Spooner leg. (BMNH). Forest of Dean, Gloucestershire, 2 males, 1 female, 27.v.1962, K.G.V. Smith leg. (BMNH). Galway's Bridge, Killarney, Kerry, 1 female, 8.ix.1981, J.P. O'Connor leg. (NMID). Gearagh, Cork, 1 male, 19.v.1990; 1 male, 26.ix.1990; 5 males, 10.x.1990, all de Courcy Williams leg. (DEI, NMID). George Green, Buckinghamshire, 1 male, 1.v.1943, Richards leg. (BMNH). Glasshouse Crops Research Station, Littlehampton, West Sussex, 1 male, 10.ix.1956, Hussey leg. (HRI). Glen Lednock, Perth & Kinross, 1 female, 21.ix.1944, Kevan leg. (NMS). Glendurgan, Cornwall, 1 male, 3.x.1983, Chandler leg. (PPWM). Gomshall, Surrey, 1 male, 14.v.1939, Parmenter leg. (BMNH). Goring-on-Thames, Oxfordshire, 1 male, 1 female, 30.iv.1959; 1 female, 11.v.1962, all J.H. Cole leg. (PJCB). Hackhurst Farm, Gomshall, Surrey, 1 male, 27.viii.1966, Chandler leg. (PPCM). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB). Hayling Island, Hampshire, 1 male, 21.iv.1953 (reared), no collector detail (BMNH); 6 males, 1 female, 21.iv.1963, Vane-Wright leg. (BMNH). Hay Wood, Baddesley Clinton, Solihull, West Midlands, 4 males, 25.viii.2002, Menzel leg. (DEI). Henfield, West Sussex, 3 females, 14.v.1989, J.H. Cole leg. (PJCB). Hickling, Norfolk, 1 female, v.1988; 2 males, v.1989, all Foster & Procter leg. (PBLN); 1 male, 27.v.1991, Withers leg. (PPWM). Hitchin, Hertfordshire, 3 females, vi.1918, Edwards leg. (BMNH). Hobb's Quarry, Gloucestershire, 1 male, 4.ix.2002, Gibbs leg. (PDGB). Hod Hill, Dorset, 1 male, 1 female, 22.v.1968, Edwards leg. (BMNH). How Hill, Norfolk, 1 male, 27.v.1989; 1 male, 13.viii.1989, all Withers leg. (PPWM). Hunstanton, Norfolk, 1 female, 16.v.1937, Parmenter leg. (BMNH). Inishowen, Donegal, 1 female, ix.1928, Latham leg. (NMS). Kelham Bridge, Ravenstone, Leicestershire, 5 males, 1 female, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Killaun Bog, Offaly, 3 males, ix.2000, Withers leg. (PPWM). Kirtling, Cambridgeshire, 3 males, 1 female, 9.v.1920, Collin leg. (UMO). Knebworth, Hertfordshire, 1 male, 7.ix.–9.ix.1923, Edwards leg. (BMNH). Knole Park, Kent, 2 males, 20.v.1967; 2 males, 12.ix.1971, all Chandler leg. (NMS, PPCM). Lancelot Clark Storth Nature Reserve, Cumbria, 2 males, 27.viii.1965, J.H. Cole leg. (PJCB). Lea Meadows, Newtown Linford, Leicestershire, 66 males, 5 females, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Leaves Green, Greater London, 1 male, 18.v.1968, Chandler leg. (NMS). Leckford Estate, Hampshire, 3 males, 1 female, 19.v.–20.v.1971; 1 male, 3.vi.1972, all Stubbs leg. (PPCM); 1 male, 26.viii.1972; 1 male, 1977 (reared), Chandler leg. (PPCM). Lelant, Cornwall, 1 male, 1 female, 16.viii.1912, Yerbury leg. (BMNH). Letchworth, Hertfordshire, 1 male, 1 female, v.1917; 1 male, vi.1917, all Edwards leg. (BMNH). Little Wenallt, Monmouthshire, 1 male, 9.vii.1980, Chan-

- dler leg. (NMS). Llandre, Ceredigion, 1 male, 1 female, 31.viii.1943, Richards leg. (BMNH). Loch Earn, Perth & Kinross, 1 female, 23.ix.1940, Kevan leg. (NMS). Lough Luogh, Clare, 1 male, 31.v.1984, J.P. O'Connor leg. (NMID). London, Greater London, 1 female, iii.1955, Buxton leg. (BMNH). Long Range, Killarney, Kerry, 1 male, 14.ix.1981, J.P. O'Connor leg. (NMID). Lopham Fen, Norfolk, 1 male, 20.v.1990, Withers leg. (PPWM). Lough Bunny, Clare, 1 male, 21.v.1985, J.P. & M.A. O'Connor leg. (NMID). Mereworth Wood, Kent, 1 male, 29.viii.1966, Chandler leg. (NMS). Mersea, Essex, 1 male, x.1909, no collector detail (BMNH). Middle Hope, Avon, 1 male, 9.v.2001, Gibbs leg. (PDGB). Mitcham Common, Greater London, 1 male, 1 female, 19.v.1937, Parmenter leg. (BMNH). Monument Field, Epping Forest, Essex, 1 male, 1 female, 19.iv.–2.v.1999, Dagley leg. (HRI). Narborough Bog, Whetstone, Leicestershire, 11 males, 24.viii.2003, Menzel & J.E. Smith leg. (DEI, HRI). Natural History Museum, South Kensington, Greater London, 1 male, 16.v.1916, Edwards leg. (BMNH). New Barnet, Greater London, 1 female, 27.viii.1964, K.G.V. Smith leg. (BMNH). New Forest, Hampshire, 3 males, 16.v.1968, Parmenter leg. (BMNH). Newbridge Fen, Kildare, 1 male, 8.viii.–19.viii.1998, Good leg. (PPWM). Newmarket, Cambridgeshire, 7 males, 2 females, 19.v.1884; 1 male, 1 female, 22.viii.1894; 2 males, 31.v.1908, all Verrall leg. (BMNH, UMO). Northwood, Greater London, 1 female, 12.v.1921, Austen leg. (BMNH). Oxford University Museum, Oxford, Oxfordshire, 1 female, 13.v.1921; 1 female, 28.v.1924, all Hamm leg. (UMO). Patcham, East Sussex, 1 male, 1 female, 15.v.1935; 1 male, 24.v.1936, all Parmenter leg. (BMNH). Pencarreg, Carmarthen, 1 male, 28.ix.1974, Chandler leg. (NMS). Pennington, Hampshire, 4 males, 12.v.1964, Colyer leg. (BMNH). Plymouth, Devon, 2 males, 1 female, 14.v.1954, Spooner leg. (BMNH). Porthcawl, Bridgend, 1 male, 18.v.1906, Yerbury leg. (BMNH). Purn Hill, Avon, 1 male, 21.viii.2001, Gibbs leg. (PDGB). Putsborough, Devon, 1 male, 10.viii.–16.viii.1946, d'Assis-Fonseca leg. (BMNH). Radwell, Hertfordshire, 1 male, viii.1918; 1 male, viii.1919, all Edwards leg. (BMNH). Rhôs Rhydd, Ceredigion, 1 male, 25.ix.1986, Holmes, Boyce & Reed leg. (PPWM). River Teme, Bromfield, Shropshire, 1 male, 24.v.2002, Pont leg. (HRI). Rodborough Forest, Gloucestershire, 3 males, 1.v.–2.v.1944, Bainbridge-Fletcher leg. (BMNH). Rostrevor, Down, 1 female, 16.ix.1925, Johnson leg. (NMID). Ryton Wood, Bubbenhall, Coventry, West Midlands, 10 males, 25.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). Salisbury, Wiltshire, 1 female, 26.v.1972, Dear leg. (BMNH). Sally Gap, Wicklow, 1 male, 9.ix.1999, Withers leg. (PPWM). Sandbanks, Hampshire, 2 females, 13.v.1951, Colyer leg. (BMNH). Savernake Forest, Wiltshire, 1 male, 24.ix.1972, Chandler leg. (PPCM). Scragh Bog, Westmeath, 1 male, 10.v.1989, Withers leg. (PPWM). Selkirk, Scottish Borders, 1 female, 12.ix.1962, Pelham-Clinton leg. (NMS). Sheep Leas, West Horsley, Surrey, 1 female, 21.v.1966, Chandler leg. (PPCM). Shrubland Park, Suffolk, 1 male, 27.viii.1920, Morley leg. (BMNH). Slough, Berkshire, 1 female, 11.v.1933; 1 male, 20.viii.1936; 1 male, 2.ix.1938; 1 male, 11.v.1942; 1 female, 31.viii.1942, all Richards leg. (BMNH). Snailbeach, Shropshire, 4 males, 17.iv.1908, Verrall leg. (UMO). 1 male, 8.v.1921, Edwards leg. (BMNH). St. David's Airfield, Pembrokeshire, 1 male, 29.ix.1987, Holmes, Boyce & Reed leg. (PPWM). Stamford, Lincolnshire, 1 male, 17.v.1937, Parmenter leg. (BMNH). Stoke Common, Buckinghamshire, 1 male, 9.ix.1967, Chandler leg. (NMS). Stoke Row, Oxfordshire, 1 female, 3.vi.1962, Burt leg. (BMNH). Stoke Wood, Herefordshire, 2 males, 5.iv.1905; 2 males, 5.ix.1905, all Verrall leg. (BMNH, UMO). Stokeford Heath, Dorset, 1 male, 7.v.2001, Gibbs leg. (PDGB). Tarrington, Herefordshire, 1 male, 7.ix.1905, Verrall leg. (UMO). Terenure, Dublin City, Dublin, 1 male, 7.v.1989, Ashe leg. (NMID). The Loke, Norwich, 1 male, 7.ix.1987; 2 males, 13.v.1988; 1 male, 16.viii.1988; 2 males, 5.vi.–13.vi.1989; 1 male, 2.v.–6.v.1992; 2 males, 4.v.–6.v.1993; 1 male, 30.vii.–2.viii.1993; 3 males, 27.viii.–1.ix.1997, all Laurence leg. (PBLN). Thornham Magna, Suffolk, 1 male, 29.viii.1988, Withers leg. (PPWM). Thundersley Glen, Essex, 1 male, 30.iv.1986, Withers leg. (PPWM). Tilgate Forest, West Sussex, 1 male, 28.v.1939, Parmenter leg. (BMNH). Tocil Wood, Warwick University Campus, Coventry, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI). Tomies Wood, Killarney, Kerry, 1 male, 15.ix.1981, J.P. O'Connor leg. (NMID). Totton, Hampshire, 1 female, no date, Vardy leg. (BMNH). Upton, Chester, Cheshire, 1 male, 21.v.1958, Colyer leg. (BMNH). Upton Meadows, Slough, Berkshire, 1 female, 7.v.1942, Richards leg. (BMNH). Walney, Cumbria, 1 male, 20.viii.1992, Birkett leg. (PPCM). Wellesbourne, Warwickshire, 3 males, 1999; 5 males, 2 females, 10.v.–24.v.2001, all J.E. Smith leg. (HRI). West Malling, Kent, 1 male, 29.viii.1966, Chandler leg. (PPCM). West Mersea, Essex, 1 male, 1 female, 24.vii.1909, Wesche leg. (BMNH). Weston Big Wood, Avon, 1 male, 1.ix.2001, Gibbs leg. (PDGB). Weston, Hertfordshire, 1 male, 4.x.1931, Edwards leg. (BMNH). Wexham Place Wood, Buckinghamshire, 1 male, 7.vi.1967, Chandler leg. (NMS). Wheatfen Broad, Norfolk, 1 male, 11.vii.1987, Withers leg. (PPWM). Whitnash brook, Sydenham, Leamington Spa, Warwickshire, 1 male, 4.ix.2003, J.E. Smith leg. (HRI). Wicken Fen, Cambridgeshire, 1 male, 8.vii.1989, Chandler leg. (NMS); 1 male, 12.v.1990, Withers leg. (PPWM). Willes Meadow, Leamington Spa, Warwickshire, 4 males, 1 female, 27.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI).

Windermere, Cumbria, 1 female, vi.1929, Edwards leg. (BMNH). Windsor Forest, Berkshire, 1 male, 8.ix.1980, Chandler leg. (PPCM). Wisley, Surrey, 1 male, 10.v.1923, Dudgeon leg. (BMNH). Wood Green, Greater London, 1 male, 12.v.1946; 1 female, 23.viii.1947; 3 females, 14.v.1948; 1 female, 3.ix.1948; 1 female, 26.v.1951, all Colyer leg. (BMNH). Woodbastwick, Norfolk, 1 male, viii.1932, Edwards leg. (BMNH). Woodditton Wood, Cambridgeshire, 1 male, 20.v.1928, Collin leg. (UMO). Woodwalton Fen, Cambridgeshire, 1 male, 4.ix.1971; 1 male, 16.v.1982, all J.H. Cole leg. (PJCB). Woolacombe Bay, Devon, 2 males, 14.viii.1945, Richards leg. (BMNH). Wychwood, Oxfordshire, 1 male, 12.ix.1998, Chandler leg. (NMS). Wytham Woods, Wytham, Oxfordshire, 10 males, 21.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI).

Ecological notes: very common in all types of woodland; sandy and wet heathland; wetlands including fens, reed and sedge beds, *Cladium* beds with tufa, basin mire, quaking and raised bogs, butterbur swamp, lake and river margins and wet meadows; former gravel workings; open glen with stream; meadow hedges and ditches; pasture; common on calcareous and neutral grassland; open montane habitats; grikes; coastal shingle; grounds of horticultural research station; gardens; cabbage field. At hawthorn flowers; larvae in group at base of grass stems, adults in large swarm. Reared from the fungus *Peziza carnea* and poplar log, in laboratory. iii–xi.

SCIARA MEIGEN, 1803

SCIARA FLAVIMANA ZETTERSTEDT, 1851

Synonyms: *fulgens* Winnertz, 1867; *mannii* Winnertz, 1867.

Literature: Freeman (1983b): 19; Menzel (1998): 22.

Material examined: Nairn, Highland Region, 1 female, 10.viii.1904, King leg. (BMNH).

Ecological notes: no details of habitat recorded. viii.

SCIARA HEMEROBIOIDES (SCOPOLI, 1763)

Synonyms: *lateralis* Meigen, 1818; *thomae* (Linnaeus, 1767); *valida* Winnertz, 1867.

Literature: Haliday (1833): 148; Walker (1848): 104; Walker (1856): 52; Edwards (1925a): 535; Grensted (1944): 202; Parmenter (1950): 110; Perry & Stubbs (1978): 71; Freeman (1983b): 18; Skidmore *et al.* (1987): 119; Laurence (1994): 118 [all as *Sciara thomae*]; Menzel (1998): 22.

Material examined: Aberffraw, Isle of Anglesey, 1 female, 9.vii.1987, Chandler leg. (PPCM). Aberfoyle, Stirling, 1 female, 21.v.1896; 1 female, 11.ix.1905; 1

female, 18.ix.1905, all A.E.J. Carter leg. (UMO). Archers Wood, Cambridgeshire, 1 male, 1.viii.1986, J.H. Cole leg. (PJCB). Baldock, Hertfordshire, 1 female, 8.vii.1937, Edwards leg. (BMNH). Ban-y-Gor Wood, Gloucestershire, 1 male, 12.ix.2001, Gibbs leg. (PDGB). Barton Broad, Norfolk, 2 females, 5.viii.1906, Rothschild leg. (BMNH). Barton Mills, Suffolk, 4 females, 9.viii.1901; 1 female, 10.viii.1901, all Hamm leg. (UMO). Bayswater, Oxfordshire, 2 females, 14.vii.1917, Hamm leg. (UMO). Beaulieu, New Forest, Hampshire, 1 female, 13.vii.1895, no collector detail (BMNH). Bishop Wood, North Yorkshire, 1 female, 20.vii.1997, Chandler leg. (PPCM). Bix Bottom, Oxfordshire, 1 female, 6.vii.2002, Chandler leg. (PPCM). Blackford Hill, City of Edinburgh, 6 males, 6 females, 2.vii.2002 (reared), Bland leg. (NMS). Bodmin, Cornwall, 1 female, 18.viii.1936; 1 female, 20.viii.1936, all Parmenter leg. (BMNH). Bonhill, West Dunbartonshire, 1 male, 3 females, 22.vii.1905; 1 male, 6.viii.1905, all Malloch leg. (NMS). Bookham Common, Surrey, 1 female, 26.viii.1934, Parmenter leg. (BMNH). Boughton Fen, Norfolk, 2 males, 10.vi.-ix.1980, Foster & Procter leg. (PBLN). Braco, Glen Eagles, Perth & Kinross, 2 females, 13.viii.1948, Jackson leg. (NMS). Budshead Wood, Devon, 1 female, 1.vii.1889, Yerbury leg. (BMNH). Burghfield Common, Berkshire, 1 female, 11.vii.1970, Chandler leg. (NMS). Burnham Beeches, Buckinghamshire, 2 females, 5.vii.–20.vii.1995, Ismay leg. (HRI). Bushey Heath, Hertfordshire, 4 females, 22.vii.1912, Edwards leg. (BMNH). Burrows, no county, 2 females, vi.1912, no collector detail (BMNH). Carrigower, Wicklow, 1 female, 8.viii.1979, Speight leg. (PPCM). Castlebar Lough, Mayo, 1 female, 31.vii.1911, Grimshaw leg. (NMS). Catfield, Norfolk, 1 male, 1 female, 9.viii.1980, Shaw leg. (NMS). Chippenham Fen, Cambridgeshire, 1 male, 2.viii.1988, Chandler leg. (PPCM). Church Stretton, Shropshire, 1 female, 24.vii.1920, Edwards leg. (BMNH). Cors Erddreiniog, Isle of Anglesey, 1 male, 27.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Cors Goch, Isle of Anglesey, 1 male, 18.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Cosford Mill, Surrey, 1 female, 28.vi.1970, Chandler leg. (NMS). Cothill, Oxfordshire, 1 male, 1 female, 13.vii.1985, Chandler leg. (NMS). Croft Pascoe Pool, Cornwall, 1 female, 2.x.1983, Chandler leg. (NMS). Crowborough, East Sussex, 1 male, 2 females, 22.viii.1911, Jackson leg. (NMS). Crownhill Park, Plymouth, Devon, 1 female, 15.vii.1889, Yerbury leg. (BMNH). Dinas Head, Pembrokeshire, 1 female, 11.ix.1943, Grensted leg. (UMO). Dinton Pastures Country Park, Berkshire, 1 male, 1 female, 26.vi.1993; 1 female, 25.vi.1994, all Chandler leg. (PPCM). Dover, Kent, 1 female, viii.1900, no collector detail (BMNH). East Bergholt, Suffolk, 1 female, 22.vii.–29.vii.1970, Lane leg. (BMNH). Ebbor Rocks, Somerset, 1 male,

- 31.viii.1948, Cowley leg. (BMNH). Exeter, Devon, 1 female, 17.vii.1891, Verrall leg. (UMO). Felten, Hertfordshire, 1 female, 16.viii. 1893, A. Piffard leg. (BMNH). Fferam Paradwys, Isle of Anglesey, 1 male, 5.vii.1987, Chandler leg. (NMS). Folkestone, Kent, 1 male, 1 female, 1866, A. Piffard leg. (BMNH). Forest of Dean, Gloucestershire, 1 male, 21.vii.1897, Verrall leg. (UMO). Freshfield, Merseyside, 1 male, 1 female, 19.ix.1970, Hutson leg. (BMNH). Glensanda, Morvern, Highland Region, 4 females, 10.ix.1961, Pelham-Clinton leg. (NMS). Goring Heath, Oxfordshire, 1 female, 14.vii.1965, Burt leg. (BMNH). Goring-on-Thames, Oxfordshire, 1 male, 2 females, 11.vii.1957, J.H. Cole leg. (PJCB). Gurnard's Head, Cornwall, 4 females, 1.viii.–8.viii.1936, Hale-Carpenter leg. (UMO). Hackhurst Wood, Surrey, 1 female, 27.viii.1966, Chandler leg. (PPCM). Hartcliff Combe, Dorset, 3 females, 30.vi.1998, Chandler leg. (NMS, PPCM). Hatfield Forest, Hertfordshire, 1 female, 24.vii.1960, Vardy leg. (BMNH). Hobb's Quarry, Gloucestershire, 1 male, 4.ix.2002, Gibbs leg. (PDGB). Hogley, Oxfordshire, 2 males, 1 female, 4.vii.1914, Hamm leg. (UMO). Humble, East Lothian, 1 female, 13.vii.1988, J.H. Cole leg. (PJCB). Killarney, Kerry, 2 females, 23.viii.1902, King leg. (NMS). Leap, Cork, 1 female, 15.vii.1976, Chainey leg. (BMNH). Leckford Estate, Hampshire, 1 female, 25.vii.1998, Chandler leg. (NMS). Lelant, Cornwall, 2 males, 3.viii.1941; 1 male, 28.viii.1947, all Parmenter leg. (BMNH). Llandeilo, Carmarthen, 3 males, 1 female, 26.viii.–2.ix.1967, Elstow leg. (PPCM). Llyn Hafodol, Anglesey, 1 female, 11.vii.1987, Chandler leg. (NMS). Long Crichel, Dorset, 1 female, 2.viii.1959, Colyer leg. (BMNH). Lough Derragh, Longford, 1 male, 15.vii.1990, Withers leg. (PPWM). Lundy Island, Devon, 1 female, 20–22.vii.1972, Hutson leg. (BMNH). Lyndhurst Road, New Forest, Hampshire, 1 female, 29.vii.1894, Yerbury leg. (BMNH). Matley Bog, New Forest, Hampshire, 3 females, 12.viii.–13.viii.1903, Hamm leg. (UMO). Meathop, Cumbria, 1 female, 17.vii.1945, no collector detail (UMO). Merton, Greater London, 3 females, 27.vii.1899, Walsingham leg. (BMNH). Mevagissey, Cornwall, 1 female, 13.ix.1941, Grensted leg. (UMO). Minsmere, Suffolk, 1 male, 5.viii.–27.ix.2001, Edwards leg. (PDGB). Myross Wood, Leap, Cork, 1 male, 11.vii.1977, Chainey leg. (BMNH). Newton Abbot, Devon, 1 female, 9.viii.1901; 2 females, 8.viii.1902, Hamm leg. (UMO). Oughton Head, Hertfordshire, 1 female, 2.vii.1966, Colyer leg. (BMNH). Ovington, Hampshire, 1 male, 2 females, 14.vii.1990, Chandler leg. (NMS, PPCM). Penzance, Cornwall, 1 male, 5 females, 11.vii.1871, Verrall leg. (BMNH, UMO). Piddletrenthide, Dorset, 1 female, 6.viii.1941, Richards leg. (BMNH). Pitlochry, Perth & Kinross, 1 female, 2.ix.1892, Beaumont leg. (BMNH). Plymstock, Plymouth, Devon, 3 females, 30.viii.1901, Brunetti leg. (BMNH). Ports Down, Hampshire, 3 females, 29.vii.1957, Clark leg. (BMNH). Puttenham, Surrey, 1 male, 31.vii.1950, Parmenter leg. (BMNH). Red Wharf, Isle of Anglesey, 1 female, 15.viii.1948, Grensted leg. (UMO). Redlake Cottage Meadow, Cornwall, 1 female, 12.vii.2000, Chandler leg. (PPCM). Rowridge Valley, Isle of Wight, 1 female, 2.vii.1980, Chandler leg. (PPCM). Savernake Forest, Wiltshire, 1 female, 24.vii.1973, Chandler leg. (NMS). Send, Surrey, 1 male, 1 female, 27.vi.1948, Parmenter leg. (BMNH). Shapwick Heath, Somerset, 1 female, 28.viii.1942, Cowley leg. (BMNH). Silchester Common, Hampshire, 1 female, 22.viii.1963, Burt leg. (BMNH). Slapton Ley Nature Reserve, Devon, 2 females, 18.vii.–19.vii.1964, Chandler leg. (PPCM). Southrepps Common, Norfolk, 1 female, 8.vii.1993, J.H. Cole leg. (PJCB); 1 female, 10.vii.1993, Chandler leg. (PPCM). St. Erth, Cornwall, 1 female, 8.viii.1935, Parmenter leg. (BMNH). Sutton Fen, Cambridgeshire, 1 female, 12.vii.1983, Chambers leg. (BMNH). Swaythling, Hampshire, 1 female, 25.vi.1989, Chandler leg. (NMS). Tamerton Folliatt, Devon, 1 female, 8.viii.1889, Yerbury leg. (BMNH). Thatcham, Berkshire, 1 female, 19.vii.1964, J.H. Cole leg. (PJCB). The Keld, Driffield, North Yorkshire, 1 female, 15.vii.1996, Chandler leg. (PPCM). Theale, Berkshire, 2 males, 10 females, 26.vi.2003, Chandler leg. (HRI). Thompson Common, Norfolk, 1 male, 4.vii.1993, J.H. Cole leg. (PJCB). Thursley Common, Surrey, 1 female, 13.vii.1968, Chandler leg. (PPCM). Tintagel, Cornwall, 2 females, 2.viii.–15.viii.1947, Benson leg. (BMNH). Torc Falls, Killarney, Kerry, 1 male, 11.vii.1990, Withers leg. (PPWM). Torrs, Dumfries & Galloway, 1 female, 4.viii.1981, Duncan leg. (NMS). Trescow, Scilly Isles, Cornwall, 1 female, 16.vii.1927, Richards leg. (BMNH). Tring, Hertfordshire, 1 female, 26.vii.1031, Edwards leg. (BMNH). Tubney, Oxfordshire, 1 female, 1.viii.1910; 1 female, vii.1912; 1 female, 2.ix.1916, all Hamm leg. (UMO). Twitchen, Devon, 4 females, 28.vii.–29.vii.1909, no collector detail (UMO). Upware, Cambridgeshire, 1 female, 15.vii.1875, Verrall leg. (BMNH). Uxbridge, Greater London, 1 female, vii.1924, Edwards leg. (BMNH). Weston Big Wood, Avon, 1 male, 1.ix.2001, Gibbs leg. (PDGB). Wheatfen, Surlingham, Norfolk, 2 females, 27.vi.1950, Biggs leg. (NMS). Wheatfen Broad, Norfolk, 1 male, 13.vii.1986, Withers leg. (PPWM). Wicken Fen, Cambridgeshire, 1 female, 11.viii.1901, no collector detail (UMO). Wisley, Surrey, 1 female, 5.x.1922; 1 female, 19.x.1922, Dudgeon leg. (BMNH). Wisley Common, Surrey, 3 females, 7.vii.1968, Chandler leg. (PPCM). Woodwalton Fen, Cambridgeshire, 1 female, 6.vii.1970, J.H. Cole leg. (PJCB). Woking, Surrey, 2 females, 15.viii.1891, Beaumont leg. (BMNH). Woolacombe, Devon, 1 female, 14.viii.1945, Richards leg. (BMNH). Wyre Forest, Worcestershire, 2 males,

14.ix.1922, Edwards leg. (BMNH). Yelverton, Devon, 1 female, 11.viii.1976, no collector detail (BMNH). No locality details [? Holywood, Down], 2 males, 2 females, no date, Haliday leg. (NMID).

Ecological notes: very common in broad-leaved, mixed and carr woodland; heathland; wetlands including fens, bogs, reed and *Cladium* beds; calcareous grassland; grassland with pingo pools; ditches; old hedges; gravel pits; in mixed vegetation by coastal lake; dunes; garden. At flowers of water dropwort, wild parsnip and hogweed. v–x.

SCIARA HUMERALIS ZETTERSTEDT, 1851

Synonyms: *analis* var. *bezzii* Del Guercio, 1905; *armata* Winnertz, 1867; *hamatilis* Yang, Zhang & Yang, 1993.

Literature: Freeman (1983b): 19; Laurence (1994): 118; Menzel (1998): 22; Withers (2002): 115.

Material examined: Aberithon Turbary, Powys, 1 male, 3.vii.1989, Holmes, Boyce & Reed leg. (PPWM). Blackheath, Albury, Surrey, 1 male, 2.vii.1968, Chandler leg. (PPCM). Chilbolton Common, Hampshire, 4 males, 6.vii.1991, Chandler leg. (NMS, PPCM). Cors Gyfelog, Gwynedd, 1 male, 26.vii.1988, Holmes, Boyce & Reed leg. (PPWM). Gors Llwyn, Neath/Port Talbot, 1 male, 12.vii.1989; 1 male, 4.x.1989, all Holmes, Boyce & Reed leg. (PPWM). Greywell Fen, Hampshire, 1 male, 11.viii.1999; 1 male, 20.vi.2002; 2 males, 1 female, 29.viii.2002, all Chandler leg. (HRI, PPCM). Horning Ferry, Norfolk, 1 male, 1 female, 21.viii.1932, Collin leg. (UMO). Leckford Estate, Hampshire, 1 male, 29.vi.1974; 1 male, 14.viii.1983, all Chandler leg. (NMS, PPCM). Llyn Ystumlllyn, Gwynedd, 1 male, 5.x.1988, Holmes, Boyce & Reed leg. (PPWM). Lough Derragh, Longford, 2 males, 15.vii.1990, Withers leg. (PPWM). New Forest, Hampshire, 1 male, 16.vii.1907, King leg. (BMNH). Redmoor, Cornwall, 1 male, 8.x.2001, J.H. Cole leg. (PJCB). Rempstone Heath, Dorset, 2 males, 9.ix.1906, Verrall leg. (UMO). Rhôs Cruglas, Carmarthen, 1 male, 29.vi.1989; 1 male, 13.vii.1989, all Holmes, Boyce & Reed leg. (PPWM). Rhôs Rhydd, Ceredigion, 1 male, 8.x.1987, Holmes, Boyce & Reed leg. (PPWM). Scragh Bog, Westmeath, 1 male, 15.vii.1990, Withers leg. (PPWM). Thompson Common, Norfolk, 3 males, 16.vii.1989, Chandler leg. (NMS, PPCM). Upton, Norfolk, 2 males, 5.vii.1934, Collin leg. (UMO). Walberswick, Suffolk, 4 males, 15.vi.–29.vi.1988, Foster & Procter leg. (PBLM, PPCM, PPWM). Winnall Moor, Hampshire, 1 male, 25.vi.1989, Chandler leg. (NMS). Woodbastwick, Norfolk, 22 males, 2 females, viii.1932, Edwards leg. (BMNH). Woolcombe Meadow, Dorset, 2 males, 3.vii.1998, Chandler leg. (NMS, PPCM).

Ecological notes: found in broad-leaved woodland especially carr; wetlands especially fens, reed and sedge beds, ombrotrophic and basin mires, *Molinia* and quaking bogs, saltmarsh and water meadows; heath grassland and scrub; grassland with pingo pools; rough pasture with ditches. vi–x.

SCIARA LACKSCHEWITZI (LENGERSDORF, 1934)

Synonym: *mendax* Tuomikoski, 1960.

Literature: Menzel (1998): 22.

Material examined: Cors Gyfelog, Gwynedd, 1 male, 30.vi.1988, Holmes, Boyce & Reed leg. (PPWM). Moorthwaite, Cumbria, 1 male, 20.vi.1988, no collector detail (PPWM).

Ecological notes: found on site comprising floodplain fen, *Sphagnum*, *Carex limosa* and *Phragmites*. vi.

SCIARA NURSEI FREEMAN, 1983 RESTIT.

Synonyms: *marginata* Mohrig & Krivosheina, 1983 [preocc.]; *ulrichi* Menzel & Mohrig, 1998 syn. nov.

Literature: Freeman (1983a): 161; Freeman (1983b): 18; Laurence (1994): 118 [all as *Sciara nursei*]; Menzel (1998): 22; Menzel & Mohrig (2000): 523 [all as *Sciara ulrichi* and *Sciara flavomarginata*, misidentification and incorrectly synonymized from *Sciara nursei* to *Sciara flavomarginata*]; Chandler *et al.* (2002): 124 [*Sciara ulrichi*].

Material examined: Burnham Beeches, Buckinghamshire, 2 males, 1 female, 21.vi.–5.vii.1995; 4 males, 20.vii.–2.viii.1995; 11 males, 2.viii.–16.viii.1995, all Ismay leg. (PPCM). Cambridge, Cambridgeshire, 1 female, 4.vii.1903; 1 female, 13.viii.1903, all Jenkinson leg. [paratypes of *Sciara nursei*] (BMNH). Catfield, Norfolk, 3 males, 29.ix.–12.x.1988, Foster & Procter leg. (PBLN). Colt Park Wood, North Yorkshire, 1 male, 27.viii.–30.viii.1981, Disney leg. (PPWM). Daneway, Gloucestershire, 1 male, 12.x.1979, Chandler leg. (PPCM). Epping Forest, Essex, 1 male, 27.vi.2000, J.H. Cole leg. (PJCB). Lea Meadows, Newtown Linford, Leicestershire, 2 males, 24.viii.2003, J.E. Smith leg. (HRI). Letchworth, Hertfordshire, 2 females, vi.–vii.1936, Edwards leg. [paratypes of *Sciara nursei*] (BMNH). Moy, Tyrone, 2 males, 24.ix.–30.ix.1984, Boston leg. (PPCM). Reedham, Norfolk, 1 male, 26.viii.–27.x.1988, Foster & Procter leg. (PBLN). Ryton Wood, Bubbenhall, Coventry, West Midlands, 1 male, 25.viii.2002, J.E. Smith leg. (HRI). Sea Mere, Norfolk, 2 males, 6.vii.–2.ix.1988, Foster & Procter leg. (PBLN). Seaford, East Sussex, 2 males, vi.1934 (reared), Basden leg. [paratypes of *Sciara nursei*] (BMNH). St. Mary's Nature Reserve, East Ham,

Greater London, 1 male, 15.vii.–21.vii.1987, C.W. Plant leg. (PPCM). Tunbridge Wells, Kent, 1 male, vii.1922, Nurse leg. [holotype of *Sciara nursei*] (BMNH). Turville Heath, Buckinghamshire, 4 males, 20.vii.2002, Chandler leg. (PPCM). Wheatfen Broad, Norfolk, 1 male, 13.vii.1986, Withers leg. (PPWM). Woodwalton Fen, Cambridgeshire, 1 male, vi.1939, Coe leg. (BMNH).

Ecological notes: common in broad-leaved, mixed and carr woodland; wetlands including fens, sedge beds and wet meadows. Reared from nest of meadow pipit. vi–x.

Taxonomic note: After studying the original descriptions by Freeman and Mohrig *et al.*, the name ‘*nursei* Freeman, 1983’ was placed as a synonym of *Sciara flavomarginata* Mohrig & Mamaev, 1982, in the recent revision of Palaearctic Sciaridae (Menzel & Mohrig, 2000). This synonymy was based among other things on the illustrations by Freeman, which were prepared from the single preserved gonostyle on the hypopygium of the holotype [compare Freeman (1983a): fig. 1; Freeman (1983b): fig. 11]. In these figures, Freeman showed 6 strong, subapical spines on the inner side of the gonostyle, which are stated to be arranged in a row. However, re-examination of the holotype has shown that the position of the spines is the result of the way in which the gonostyle was mounted on the slide, and it is clear that the spines are not all in one plane. Furthermore, Freeman has drawn 2 very fine spinose bristles at the apex of the gonostyle that are not actually developed in this form [there is only one short, strong ventral spine, which is placed on the distinctly demarcated tip of the gonostyle]. This taxonomic conclusion has widespread nomenclatural ramifications. All specimens with the character combination of ‘inner surface of gonostyle with subapical lobe-like swelling bearing 4–6 subequal, similarly strong and relatively closely grouped spines; ventral apex of the gonostyle with 1–2 distinctly shorter spines among the covering of hairs; anal area of the wing membrane [below CuA₂] without or with only very few macrotrichia; mesonotum dark brown to black, at most paler dark yellow at base’ belong to a relatively small *Sciara* species with the name-complex ‘*marginata–nursei–ulrichi*’. The oldest name ‘*marginata* Mohrig & Krivosheina, 1983’ is a junior primary homonym and is therefore not available. Consequently, the name ‘*Sciara nursei* Freeman, 1983’ is the valid name for this species, and the later name ‘*ulrichi* Menzel & Mohrig, 1998’ must be placed in synonymy with it.

Only the holotype of *Sciara flavomarginata* Mohrig & Mamaev from the Far East of Russia is known. It is characterized by a distinctly longer body length, a denser covering of macrotrichia on the anal area of the

wing membrane, and a large area of yellow laterally on the mesonotum [as well as 2 paler lateral bands]. Moreover, *Sciara flavomarginata* has no lobe-like swelling on the ventral inner surface of the gonostyle and no spine on its apex. By contrast with *Sciara nursei*, there are 7–8 spines that are arranged in a strict row in the upper third of the gonostyle and are of different lengths, distinctly increasing in length and strength from above to below.

SCIARA RUFICAUDA MEIGEN, 1818

Synonyms: *boleti* Winnertz, 1867; *mamaevi* Antonova, 1978; *vigilax* Winnertz, 1867.

Literature: Edwards (1925a): 536; Freeman (1983b): 19; Menzel (1998): 22.

Material examined: Brockenhurst, Hampshire, 1 male, 31.vii.1910, King leg. (BMNH).

Ecological notes: probably found in broad-leaved woodland. vii.

SCYTHROPOCHROA ENDERLEIN, 1911

SCYTHROPOCHROA QUERCICOLA (WINNERTZ, 1869)

Synonym: *thomae* var. *nevadensis* (Strobl, 1900).

Literature: Freeman (1990): 52; Menzel (1998): 23.

Material examined: Brampton Wood, Cambridgeshire, 2 males, 3.iv.1975; 4 males, 3 females, 3.iv.–7.iv.1975 (all reared), all J.H. Cole leg. (BMNH, PJCB, PPCM).

Ecological notes: Found in ancient broad-leaved woodland on clay. Reared from rotten log. iv.

SCYTHROPOCHROA RADIALIS LENGERSDORF, 1926

Literature: Freeman (1983b): 22; Chandler (1987): 204; Freeman (1987): 197; Menzel (1998): 23; Chandler *et al.* (2002): 124.

Material examined: Ashtead Common, Surrey, 2 males, 6.vii.1994, Brock leg. (HRI). Beinn Eighe, Highland Region, 1 male, 10.vi.1984, J.H. Cole leg. (PJCB). Burnham Beeches, Buckinghamshire, 1 male, 7.vi.–21.vi.1995; 1 male, 21.vi.–5.vii.1995; 1 male, 20.vii.–2.viii.1995; 3 males, 1 female, 8.vi.–18.vi.1999, all Ismay leg. (HRI); 1 male, 2 females, 10.v.1998 (reared), Chandler leg. (NMS, PPCM). California Country Park, Berkshire, 1 male, 1 female, 19.vi.1998, Chandler leg. (PPCM). Chippenham Fen, Cambridgeshire, 1 male, 2.vii.1985, Chandler leg. (PPCM). Comrie, Perth & Kinross, 1 male, 20.vi.1996 (reared), MacGowan leg. (NMS). Conon Island, Highland Region, 1 male, 18.vi.1976, Chandler leg. (NMS). Edford Wood, Somerset, 1 female, 2.viii.1985, Chan-

Chandler leg. (PPCM). Epping Forest, Essex, 1 male, 14.vi.–20.vi.1995, Dagley leg. (HRI); 5 males, 26.vi.2000, J.H. Cole leg. (PJCB); 1 male, 28.vi.2000, Chandler leg. (PPCM). Grantown-on-Spey, Highland Region, 4 males, 16.vi.1989, Chandler leg. (NMS, PPCM). How Hill, Norfolk, 1 male, 27.v.1989, Withers leg. (PPWM). Knole Park, Kent, 4 males, 23.vi.1979, Chandler leg. (NMS, PPCM). Loch Chon/Loch Ard, Stirling, 1 female, 22.vi.1999, Chandler leg. (PPCM). Loch Katrine, Stirling, 1 male, 15.vi.1992, J.H. Cole leg. (PJCB). Moy, Tyrone, 1 male, 24.ix.–30.ix.1984, Boston leg. (PPCM). Nethy Bridge, Highland Region, 1 female, 6.vii.1922; 1 female, 12.viii.1922, all King leg. (BMNH). Old Buckenham, Norfolk, 1 male, 11.vi.1993, Chandler leg. (PPCM). Old Slade, Buckinghamshire, 2 females, 7.v.1972 (reared), Chandler leg. (NMS, PPCM). Peasmarsh, Hurtwood, Surrey, 9 males, 18 females, 17.ii.–27.iii.1975 (reared), Richards leg. (BMNH). Sandy Warren, Bedfordshire, 1 male, 10.vii.1996; 2 males; 4.vi.1998; 2 males, 24.vi.1998, all J.H. Cole leg. (PJCB). Santon Downham, Suffolk, 1 male, 5.viii.1970, no collector detail (BMNH). Sedlescombe, East Sussex, 1 male, no date, Roper leg. (PPCM). The Loke, Norwich, Norfolk, 1 male, 17.vi.1987, Laurence leg. (PBLN). West Harling Common, Norfolk, 2 males, 20.iv.–12.v.1981 (reared), Withers leg. (PPWM). Whitmoor Vale, Hampshire, 1 male, 12.vii.1990, Merrifield leg. (PPCM). Woolcombe Wood, Dorset, 1 male, 3.vii.1998, Chandler leg. (NMS).

Ecological notes: common in all types of woodland; heathland; wetlands including fens and water meadows; grassland at woodland fringe; acid grassland and wet woodland; parkland. Reared from rotten elm, birch and beech wood; also found on dead pines. iv–ix.

TRICHODAPUS MOHRIG & MENZEL, 1997

TRICHODAPUS RHENANUS (FRITZ, 1982)

Synonym: *schoengeisingensis* (Rudzinski, 1994).

New to British list.

Material examined: Trefonen Marsh, Shropshire, 1 male, 23.v.1994, J.H. Cole leg. (PJCB).

Ecological notes: found by shaded stream in pasture grazed by cattle. v.

TRICHOSIA WINNERTZ, 1867

TRICHOSIA (BAEOSCIARA) SCOTICA (EDWARDS, 1925)

Literature: Edwards (1925a): 536 [as *Sciara*]; Freeman (1983a): 169 [as *Trichosia*]; Freeman (1983b): 20 [as *Trichosia (Trichosia)*]; Menzel & Mohrig (1997a): 37; Menzel (1998): 23.

Material examined: Brodick, Arran, North Ayrshire, 2 males, 22.v.–25.v.1919, Edwards leg. [holotype and paratype of *Sciara scotica*] (BMNH). Upper Quoich, Aberdeenshire, 3 males, 21.vi.2000, Godfrey leg. (HRI, PPCM).

Ecological notes: found in broad-leaved and ancient pine woodland. v–vi.

TRICHOSIA (MOUFFETINA) PULCHRICORNIS (EDWARDS, 1925)

Literature: Edwards (1925b): 224 [as *Plastosciara*]; Freeman (1983a): 169; Freeman (1983b): 22 [all as *Mouffetina*]; Menzel (1998): 23; Menzel & Mohrig (1997a): 30; Menzel & Mohrig (2000): 562.

Material examined: Ashley Hill, Berkshire, 4 males, iv.1999 (reared), Sims leg. (NMS, PPCM). Burnham Beeches, Buckinghamshire, 1 male, 7.vi.–21.vi.1995; 1 male, 1 female, 28.v.–14.vi.1996, all Ismay leg. (HRI, PPCM). Dupplin Loch, Perth & Kinross, 1 male, 15.vi.1992, Chandler leg. (PPCM). Epping Forest, Essex, 1 female, 24.v.1999, Chandler leg. (PPCM). Greywell Fen, Hampshire, 1 female, 20.vi.2002, Chandler leg. (PPCM). Letchworth, Hertfordshire, 5 females, 12.vi.1925, Edwards leg. [lectotype and paralectotypes of *Plastosciara pulchricornis*] (BMNH, ZFMK). Mark Ash Wood, New Forest, Hampshire, 1 female, 17.vi.1990, Chandler leg. (PPCM). Newburn, Northumberland, 12 males, 3 females, 25.vi.1937; 2 males, 5 females, 8.vii.–10.vii.1937 (reared), all Topham leg. (BMNH).

Ecological notes: found in ancient broad-leaved, mixed and carr woodland; in house. Reared from rotten wood. iv–vii.

TRICHOSIA (TRICHOSIA) ACROTRICHA TUOMIKOSKI, 1960

New to British list.

Material examined: New Close Wood, Brandon, Warwickshire, 1 male, 28.viii.2003, J.E. Smith leg. (HRI).

Ecological notes: found in broad-leaved woodland with pedunculate oak, birch and hazel. viii.

TRICHOSIA (TRICHOSIA) BASDENI FREEMAN, 1983

Literature: Freeman (1983a): 161; Freeman (1983b): 20 [all as *Trichosia (Leptosciarella)*]; Menzel (1998): 23; Menzel & Mohrig (1997a): 29; Menzel & Mohrig (2000): 554.

Material examined: Black Park, Buckinghamshire, 1 male, 27.vi.1941, Richards leg. (BMNH). Burnham Beeches, Buckinghamshire, 3 males, 23.v.–7.vi.1995,

all Ismay leg. (HRI, PPCM). Farley Down, Hampshire, 1 male [paratype of *Trichosia basdeni*], 1 female, 20.v.1936, Edwards leg. (BMNH). Farnham Royal, Buckinghamshire, 2 males, 27.v.1934 [paratypes of *Trichosia basdeni*, but dates as 21.v.–24.v and locality as Temple in Freeman (1983a)]; 1 male, 28.v.1934 (all reared), all Basden leg. (BMNH); 6 males, 21.v.–26.v.1934 (reared), Basden leg. (NMS). Frilford Heath, Oxfordshire, 1 male, 25.v.–15.vi.1991, Porter leg. (PPCM). Lundy Island, Devon, 1 female, 26.vii.–27.vii.1972, Lane leg. (BMNH). Milham Ford School, Oxford, Oxfordshire, 1 male, 18.v.2001; 1 male, 1 female, 29.v.–4.vi.2002, all Webb leg. (PPCM). Newmarket, Cambridgeshire, 1 female, 18.ix.1888, Verrall leg. (UMO). Stokeford Heath, Dorset, 1 male, 20.v.2001, Gibbs leg. (PDGB). Temple, Berkshire, 1 male, 26.v.1934 [holotype of *Trichosia basdeni*]; 1 female, 28.v.1934; 1 female, 2.vi.1934; 1 female, 9.vi.1934 [paratypes of *Trichosia basdeni* but not same date as male as in Freeman (1983a)] (all reared), all Basden leg. (BMNH); 3 females, 26.v.–4.vi.1934 (reared), Basden leg. (NMS). The Loke, Norwich, Norfolk, 1 male, 5.vii.1987; 2 males, 10.viii.1987; 1 male, 5.v.1988; 3 males, 5.vi.–13.vi.1989; 1 male, 21.viii.–24.viii.1989; 1 male, 28.iv.–4.v.1990; 1 male, 2.v.–6.v.1992; 14 males, 15.v.–18.v.1992; 9 males, 15.v.–25.v.1992; 1 male, 18.v.–23.v.1992; 8 males, 21.v.–23.v.1993, all Laurence leg. (DEI, PBLN). The Oaks, Cambridgeshire, 1 male, ix.1998, C.W. Plant leg. (PPCM). Tunbridge Wells, Kent, 1 female, 3.vi.1986, Verrall leg. (UMO). Wellesbourne, Warwickshire, 1 male, 24.v.–27.vi.2001, J.E. Smith leg. (HRI). No locality details, England, 1 male, 3.v.1924 (reared), Hamm leg. (UMO).

Ecological notes: found in broad-leaved and mixed woodland; school grounds with old poplars; calcareous grassland; sandy heathland; garden. Reared from nests of blackbird, thrush, decoy nest. v–ix

Taxonomic note: The type series of *Trichosia basdeni* according to Freeman (1983a: 163) ought to be 4 males and 3 females. However, he incorrectly transcribed some of the data. The specimens from Farnham Royal, Buckinghamshire, 2 males, 27.v.1934 (paratypes) were given as Temple, Berkshire, 2 males, 21.v.–24.v and the specimens from Temple, Berkshire, 1 male, 26.v.1934 (holotype); 1 female, 28.v.1934; 1 female, 2.vi.1934; 1 female, 9.vi.1934 (all paratypes) were given as 3 females, 26.v.1934; 2 males, 21.v.–24.v.1934.

TRICHOSIA (TRICHOSIA) BOREALIS (FREY, 1942)

New to British list.

Material examined: Burnham Beeches, Buckinghamshire, 1 male, 4.x.–15.xi.1995, Ismay leg. (PPCM). Lea

Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Salisbury Plain Training Area, Warminster, Wiltshire, 1 male, 30.v.2003, Ismay & Schulten leg. (DEI).

Ecological notes: found in ancient beech woodland; wet meadow with mixed woodland with alder, birch, hazel, spruce and fir; unimproved calcareous grassland. v, viii, x–xi.

TRICHOSIA (TRICHOSIA) CONFUSA MENZEL & MOHRIG, 1997

Literature: Edwards (1925a): 536 [as *Sciara trochanterata*, misidentification]; Freeman (1983b): 20; O'Connor & Ashe (1991): 30; Laurence (1994): 118 [all as *Trichosia trochanterata*, misidentification]; Menzel (1998): 23; Chandler (2001): 201; Withers (2002): 115.

Material examined: Badger Wood, Cambridgeshire, 1 male, vi.1998, C.W. Plant leg. (NMS). Balmoral Forest, Aberdeenshire, 1 male, 19.viii.–30.viii.1938, Coe leg. (BMNH). Benacre Broad, Suffolk, 1 male, 28.v.1973, Hutson leg. (NMS). Binfield, Berkshire, 1 male, 6.v.1923, Dudgeon leg. (BMNH). Black Wood, Rannoch, Perth & Kinross, 1 male, 11.vii.1988, Chandler leg. (NMS). Bolderwood, Hampshire, 1 male, 29.vii.1953, Colyer leg. (BMNH). Boundless Copse, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Brampton Wood, Cambridgeshire, 1 male, 9.v.1987, J.H. Cole leg. (PJCB). Brodick, Arran, North Ayrshire, 1 male, 22.v.–25.v.1919, Edwards leg. (BMNH). Bromley, Greater London, 1 male, 24.vi.1964, Chandler leg. (PPCM). Buckingham Palace Garden, Greater London, 1 male, 15.viii.–5.ix.1995, Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 8.vii.–22.vii.1996, Ismay leg. (PPCM); 1 male, 20.iv.1998, Chandler leg. (PPCM). California Country Park, Berkshire, 2 males, 15.vi.1996; 1 male, 22.v.1999, all Chandler leg. (PPCM). Chippenham Fen, Cambridgeshire, 1 male, 6.v.1934, J.H. Cole leg. (PJCB). Chobham Common, Surrey, 1 male, 5.vii.1984, Chandler leg. (PPCM). Coldborough Park, Herefordshire, 1 male, 31.v.1972, Chandler leg. (PPCM). Cothill, Oxfordshire, 1 male, 8.vi.1975, Chandler leg. (PPCM). Craigmore Wood, Aberfoyle, Stirling, 1 male, 21.vi.1999, Chandler leg. (NMS). Culbin Forest, Highland Region, 1 male, 27.v.2002, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 17.vi.1995, Chandler leg. (PPCM). Drumguish, Highland Region, 1 male, 17.viii.1986, Chandler leg. (NMS). Easter Fearn, Highland Region, 3 males, 11.vi.1984, Chandler leg. (PPWM). Epping Thicks, Epping Forest, Essex, 1 male, 12.vii.–18.vii.1999, Dagley leg. (HRI); 1 male, 26.vi.2000, J.H. Cole leg. (PJCB). Fish House Moss, Cumbria, 1

male, 16.vi.1999, Chandler leg. (NMS). Folly Farm, Avon, 3 males, 25.vii.2001, Gibbs leg. (PDGB). Glendalough, Wicklow, 1 male, 10.vi.1985, Chandler leg. (PPCM). Glentanar, Aberdeenshire, 2 males, 13.vii.1977, Chandler leg. (NMS). Grantown-on-Spey, Highland Region, 1 male, 15.vi.1984, Chandler leg. (PPWM). Grondra Great Wood, Monmouthshire, 1 male, 9.vii.1986, Chandler leg. (PPCM). Hartslock, Oxfordshire, 1 male, 10.v.–19.v.2000; 1 male, 14.v.2000, all Raper leg. (HRI, PDGB). High Dam, Cumbria, 1 male, 15.vi.1999, Chandler leg. (NMS). Kinrive Wood, Highland Region, 1 male, 15.vi.1976, Chandler leg. (NMS). Knebworth, Hertfordshire, 1 male, vi.1922, Edwards leg. (BMNH). Knocksink Wood, Wicklow, 1 male, 17.vi.1985, Chandler leg. (PPWM). Knole Park, Kent, 1 male, 16.v.1971; 1 male, 23.vi.1979, all Chandler leg. (NMS). Leckford Estate, Hampshire, 1 male, 8.v.1976, Chandler leg. (PPCM). Letchworth, Hertfordshire, 1 male, vii.1917; 2 males, iv.1918; 2 males, v.1924; 1 male, v.1925, all Edwards leg. (BMNH). Loch Garten, Highland Region, 1 male, 15.vi.1984, Chandler leg. (NMS). Loch Katrine Dam, Stirling, 1 male, 21.vi.1999, Chandler leg. (PPCM). Loch Tummel, Perth & Kinross, 1 male, 30.vi.1937, Collin leg. (BMNH). Lough Ballynafid, Westmeath, 1 male, 16.vi.1985, Chandler leg. (PPWM). Monk's Wood, Cambridgeshire, 1 male, 29.v.1972; 1 male, 12.vi.1972; 1 male, 18.vi.1978, all J.H. Cole leg. (PJCB). New Forest, Hampshire, 1 male, 28.v.1948, Colyer leg. (UMO). Oxford, Oxfordshire, 1 male, 13.v.1925; 1 male, 30.v.1925, all Hamm leg. (UMO). Oversley Wood, Warwickshire, 1 male, x.1969 (reared), Evans leg. (BMNH). Pett's Wood, Greater London, 1 male, 25.v.1983, Freeman leg. (BMNH). Pingle Cutting, Warboys, Cambridgeshire, 1 male, 26.v.1985, J.H. Cole leg. (PJCB). Pitmaduthy, Highland Region, 1 male, 19.vii.1991, Stubbs leg. (PPCM). Purn Hill, Avon, 1 male, 24.v.2001, Gibbs leg. (PDGB). Redfield, Bristol, Avon, 1 male, 2.v.2001, Gibbs leg. (PDGB). Ridley Wood, Hampshire, 1 male, 4.v.1964, Colyer leg. (BMNH). Rothiemurchus, Highland Region, 1 male, 18.viii.1986, Chandler leg. (NMS). Savernake Forest, Wiltshire, 1 male, 3.v.1993, Chandler leg. (PPCM). Scadbury Park, Greater London, 2 males, 18.vi.1983, Chandler leg. (NMS, PPCM). Skinner's Pastures, Cumbria, 1 male, 17.vi.1999, Chandler leg. (NMS). Teesdale, Durham, 1 male, 22.vi.1924, Edwards leg. (BMNH). Terenure, Dublin City, Dublin, 1 male, 23.v.1990, Ashe leg. (NMID). The Loke, Norwich, Norfolk, 1 male, 5.vi.–13.vi.1989; 1 male, 28.v.1992, all Laurence leg. (PBLN). The Spittles, Dorset, 1 male, 2.vii.1998, Chandler leg. (NMS). West Walk, Hampshire, 1 male, 6.vi.1998, Chandler leg. (NMS). Whitbarrow Scar, Cumbria, 1 male, 13.vi.1999, J.H. Cole leg. (PJCB). Windsor Forest, Berkshire, 1 male, 7.vi.1977, Chandler leg. (NMS).

Ecological notes: very common in all types of woodland; fen; water meadows by river; gravel pits; old hedges; calcareous grassland and scrub; dunes; gardens; in house. Reared from rotten wood. iv–x.

TRICHOSIA FLAVICOXA TUOMIKOSKI, 1960

New to British and Irish list.

Material examined: Burnham Beeches, Buckinghamshire, 3 males, 23.v.–7.vi.1995; 1 male, 27.x.–7.xi.1995; 4 males, 28.v.–1.vii.1996; 2 males, 17.v.–25.v.1999; 4 males, 1 female, 1.vi.–8.vi.1999, all Ismay leg. (HRI, PPCM). Frithsden Beeches, Hertfordshire, 1 male, 6.vi.1997, Chandler leg. (PPCM). Glasdrum, Argyll & Bute, 1 male, 12.vi.1976, Stubbs leg. (PPCM). Glen Coiltie, Highland Region, 1 male, 28.v.2002, Chandler leg. (PPCM). Loch Meiklie, Highland Region, 1 male, 13.vi.1984, Chandler leg. (NMS). Moccas Park, Herefordshire, 1 male, 11.vi.2002, Godfrey leg. (PPCM). River Flesk, Killarney, Kerry, 1 male, 8.vii.1989, Ashe leg. (NMID). Rotherfield Park, Hampshire, 1 male, 3.vii.2002, Chandler leg. (PPCM). Selborne Common, Hampshire, 1 male, 28.v.1988, Chandler leg. (PPCM). The Lythes, Selborne, Hampshire, 1 male, 28.v.1988, Chandler leg. (PPCM). Windsor Forest, Berkshire, 1 male, 15.v.1991, Chandler leg. (PPCM).

Ecological notes: found in alder and other broad-leaved woodland; ancient oak and beech forest; parkland. v–vii, x–xi.

TRICHOSIA (TRICHOSIA) GLABRA (MEIGEN, 1830)

Literature: Edwards (1925a): 537 [as *Sciara*]; Freeman (1983b): 20; Freeman (1990): 51 [all as *Trichosia (Leptosciarella)*]; Menzel (1998): 23.

Material examined: Badger Wood, Cambridgeshire, 1 male, 1.v.–31.v.1998, C.W. Plant leg. (PPCM). Burnham Beeches, Buckinghamshire, 2 males, 28.iv.–10.v.1995; 1 male, 7.vi.–21.vi.1995; 1 male, 21.vi.–5.vii.1995; 1 male, 17.v.–25.v.1999; 1 male, 1.vi.–8.vi.1999, all Ismay leg. (HRI, PPCM). Bwlch y Ddeufaen, Conwy, 1 male, 5.vii.1987, J.H. Cole leg. (PJCB). Chigwell Row Wood, Chigwell Row, Essex, 2 males, 23.v.–27.v.2002; 10 males, 2 females, 4.vi.2002; 1 female, 11.vi.2002; 2 males, 18.vi.2002; 1 male, 20.vi.2002; 5 males, 28.vi.2002, all Ismay & Schulten leg. (DEI, UMO). Dulicht, Highland Region, 1 female, 19.vii.1997, Chandler leg. (PPCM). Epping Forest, Essex, 1 female, 24.v.1999, Chandler leg. (PPCM). Hartslock, Oxfordshire, 1 male, 14.v.2000, Raper leg. (PDGB). Ipswich, Suffolk, 1 male, 10.v.1898 (reared), Morley leg. (BMNH). Letchworth, Hertfordshire, 2 males, 1 female, vi.1917; 1 female, 18.vi.1934, all

Edwards leg. (BMNH). Loch Assynt, Highland Region, 1 male, 5.vi.1911, Yerbury leg. (BMNH). Monk's Soham, Suffolk, 1 male, 8.v.1914, Morley leg. (BMNH). Monk's Wood, Cambridgeshire, 1 male, 5.vi.1972; 1 male, 15.vi.1972; 1 male, 31.vii.1972, all J.H. Cole leg. (PJCB). Newmarket, Cambridgeshire, 1 female, 5.vi.1885, Verrall leg. (UMO). Richmond Park, Greater London, 1 female, 6.vi.1992, Chandler leg. (PPCM). The Loke, Norwich, Norfolk, 2 males, 15.v.–18.v.1992; 4 males, 15.v.–25.v.1992; 1 male, 18.v.–22.v.1992, all Laurence leg. (PBLN). Wicken Fen, Cambridgeshire, 2 males, 14.v.1992, J.H. Cole leg. (PJCB). Wychwood, Oxfordshire, 1 male, 20.v.–16.vi.1989, Porter leg. (PPCM). Wytham Wood, Oxfordshire, 1 male, 19.xii.1967 (reared), Paviour-Smith & Elbourn leg. (BMNH).

Ecological notes: common in broad-leaved woodland; ancient woodland with oak, hazel and bramble; heathland (heather) with oak and holly; moorland flushes; fen meadows and ditches; ancient parkland; garden. Reared from larvae in galleries of the beetle *Ischnomera caerulea*. iv–vii.

TRICHOSIA (TRICHOSIA) JENKINSONI FREEMAN, 1987

Literature: Freeman (1987): 197 [as *Trichosia (Leptosciarella)*]; Menzel & Mohrig (1997a): 27; Menzel (1998): 23; Menzel & Mohrig (2000): 558.

Material examined: Cambridge, Cambridgeshire, 1 male, 10.vii.1923, Jenkinson leg. [holotype of *Trichosia jenkinsoni*] (BMNH).

Ecological notes: possibly from garden of F. Jenkinson or in the University Parks. vii.

TRICHOSIA (TRICHOSIA) MORIO (FABRICIUS, 1794)

Synonyms: *caudata* (Walker, 1848); *dziedzickii* (Grzegorzek, 1884); *edwardsi* (Lengersdorf, 1930); *longiventris* (Zetterstedt, 1851); *mikii* (Grzegorzek, 1884); *sznablii* (Grzegorzek, 1884).

Literature: ? Haliday (1833): 148 [as *Sciara*]; Walker (1848): ? 104 and 106; Walker (1856): ? 52 and 53 [all as ? *Sciara morio* and *Sciara caudata*]; Verrall (1912): 20; Edwards (1925a): 535 [all as *Sciara longiventris*]; Edwards (1925c): 228 [as *Sciara caudata*]; Edwards (1926b): 142 [as *Sciara longiventris*]; Lengersdorf (1930): 29 [as *Lycoria trochanterata*] and 67 [as *Lycoria edwardsi*]; Kidd (1953): 137 [as *Sciara (Sciara) caudata*]; Brindle (1963): 83 [as *Sciara longiventris*]; Perry & Stubbs (1978): 71; Freeman (1983b): 20; Laurence (1997b): 228 [all as *Trichosia caudata*]; Menzel & Mohrig (1997a): 19; Menzel (1998): 23; Coldwell (1999): 25 [as *Trichosia caudata*]; Menzel & Mohrig (2000): 558.

Material examined: Aldbury Common, Hertfordshire, 1 male, 17.vi.1997, Chandler leg. (PPCM). Aldermoor, Berkshire, 1 male, 14.v.1994, Chandler leg. (PPCM). Arden Hall, Cheshire, 1 male, 1 female, 2.vii.1919 (reared), Britten leg. (BMNH). Ashley Hill, Berkshire, 1 male, iv.1999 (reared), Sims leg. (NMS). Aviemore, River Spey, Highland Region, 1 male, 9.vii.–13.vii.1982, Withers leg. (PPWM). Ballyhighland, Wexford, 1 male, 14.vi.1987, J.P. & M.A. O'Connor leg. (NMID). Barcaldine Forest, Argyll & Bute, 1 male, 1 female, 11.vii.1974, Chandler leg. (NMS, PPCM). Barmby Moor, East Riding of Yorkshire, 1 male, 25.v.1998, Chandler leg. (NMS). Barnsley, South Yorkshire, 27 males, 37 females, v.1924 (reared), Bayford leg. (BMNH). Barton Mills, Suffolk, 1 female, 29.v.1909, Verrall leg. (UMO); 1 male, 10.v.1931; 1 male, 30.v.1935, all Collin leg. (UMO). Bevills Wood, Abbot's Ripton, Cambridgeshire, 1 male, 31.v.1976, J.H. Cole leg. (PJCB). Birmingham, West Midlands, 3 males, iv.1896, Bradley leg. (UMO). Bix Bottom, Oxfordshire, 1 male, 9.v.1998, Chandler leg. (NMS). Bonhill, West Dunbartonshire, 1 female, 22.vi.1905; 1 male, 18.v.1906; 1 male, 20.viii.1907; 1 male, 29.viii.1907; 1 female, 26.vi.1909, all Malloch leg. (NMS). Boundless Copse, Surrey, 1 male, 26.vii.2002, Chandler leg. (PPCM). Braelangwell, Highland Region, 1 male, 12.vi.1984, Chandler leg. (PPWM). Brown's Folly, Avon, 1 male, 24.viii.2000, Gibbs leg. (PDGB). Buckingham Thick Copse, Northamptonshire, 1 female, 9.vi.1972, Warne leg. (NMS). Burnham Beeches, Buckinghamshire, 1 male, 17.vi.1967; 1 female, 20.iv.1968; 1 female, 13.v.1990; 1 male, 1 female, 10.v.–11.v.1998 (reared), all Chandler leg. (PPCM); 1 male, 2 females, 23.v.–7.vi.1995; 2 females, 1.vi.–8.vi.1999, all Ismay leg. (HRI). Butley Thicks, Suffolk, 1 male, 1 female, 1.vi.1952, d'Assis-Fonseca leg. (NMS). Cairngorm, Highland Region, 1 female, 5.viii.1972, Chandler leg. (PPCM). California Country Park, Berkshire, 2 males, 2.vi.1996, Chandler leg. (PPCM). Callander, Stirling, 1 female, 27.v.1916, A.E.J. Carter leg. (UMO). Canonteign Falls, Devon, 1 male, 22.vi.2002, J.E. Smith leg. (HRI). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Hobby leg. (UMO). Chippenham Fen, Cambridgeshire, 1 male, 1 female, 8.viii.1940, Collin leg. (UMO). Cliveden, Buckinghamshire, 1 female, 3.vii.1984, Chandler leg. (NMS). Coed y Rhygen, Gwynedd, 1 male, 14.vii.1976, J.H. Cole leg. (PJCB). Coombe Dingle, Avon, 1 male, 26.vi.1949, d'Assis-Fonseca leg. (NMS). Cothill, Oxfordshire, 1 male, 28.vii.1989, Chandler leg. (NMS). Craigston, Barra, Western Isles, 1 female, 23.vi.1980, A.R. Waterston leg. (NMS). Crickhowell, Powys, 1 male, v.1937, Edwards leg. (BMNH). Culbin Forest, Highland Region, 1 male, 1 female, 27.v.2002, Chandler leg. (PPCM). Culbin Sands, Highland

- Region, 1 female, 5.vii.–7.vii.1936, Coe leg. (BMNH). Denny Wood, New Forest, Hampshire, 1 male, 22.v.–26.v.1987, Townsend leg. (BMNH). Denton Covert, Holme Fen, Cambridgeshire, 1 male, 4.ix.1977, J.H. Cole leg. (PJCB). Derwent Valley, Tyne & Wear, 1 male, 14.vii.–13.viii.1990, Jessop leg. (PBLN). Dickleburgh, Norfolk, 1 male, 18.vii.–5.viii.1989, Withers leg. (PPWM). Dinton Pastures Country Park, Berkshire, 1 male, 5.ix.1993, Chandler leg. (PPCM). Dunstall Wood, Shoreham, Kent, 3 males, 7.vi.1968, Chandler leg. (NMS, PPCM). Eday, Orkney, 1 male, 3.vi.–5.vi.1988, Laurence leg. (PBLN). Edinburgh, City of Edinburgh, 1 female, 7.vi.1959, A.R. Waterston leg. (NMS). Ellerton Wood, Devon, 1 female, 2.vi.2000, Chandler leg. (PPCM). Epping Forest, Essex, 1 male, 27.x.1997, Chandler leg. (PPCM); 1 male, 17.v.–23.v.1999, Dagley leg. (HRI). Farnham Royal, Buckinghamshire, 1 female, 27.viii.1972, Chandler leg. (PPCM). Farnley, Leeds, West Yorkshire, 1 female, vii.1918, Cheetham leg. (BMNH). Folly Farm, Avon, 1 male, 25.vii.2001, Gibbs leg. (PDGB). Freshfield, Merseyside, 2 males, 19.ix.1970, Hutson leg. (BMNH). Gamlingay Wood, Cambridgeshire, 1 female, 13.vi.2001, J.H. Cole leg. (PJCB). Glendalough, Wicklow, 1 male, 20.ix.1968, Chandler leg. (PPCM). Glentinar, Aberdeenshire, 1 male, 23.vi.1977, Chandler leg. (PPCM). Grange, Cumbria, 1 male, 27.vii.1923, Edwards leg. (BMNH). Grantown-on-Spey, Highland Region, 1 male, 31.viii.1984, Chandler leg. (NMS). Hampstead Heath, Greater London, 1 male, 31.v.1973, Cranston leg. (BMNH). Hartslock, Oxfordshire, 1 male, 6.v.2000, Gibbs leg. (PDGB). Holme Fen, Cambridgeshire, 1 male, 12.viii.1977; 1 male, 25.v.1978, all J.H. Cole leg. (PJCB). Kingston Wood, Dorset, 1 male, 19.ix.1975, Chandler leg. (PPCM). Knole Park, Kent, 1 female, 1.x.1967; 1 male, 12.ix.1971, all Chandler leg. (NMS, PPCM). Leckford Estate, Hampshire, 1 male, 7.vi.1971; 1 male, 4.vi.1972, all Chandler leg. (PPCM). Letchworth, Hertfordshire, 1 female, vi.1927, Edwards leg. (BMNH). Little Paxton Pits, Cambridgeshire, 1 male, 18.v.1993, J.H. Cole leg. (PJCB). Llandecwyn, Gwynedd, 1 male, 16.vii.1976, Chandler leg. (NMS). Loch Meiklie, Highland Region, 1 male, 13.vi.1984, Chandler leg. (NMS). Loch na Gainmhich, Lewis, Western Isles, 1 male, 10.v.1962, Broomfield & Vardy leg. (BMNH). Loch Rannoch, Perth & Kinross, 2 females, vi.1936, Edwards leg. (BMNH). Lopham Fen, Norfolk, 1 male, 16.iv.1982; 1 male, 20.v.1990, all Withers leg. (PPWM). Milham Ford School, Oxford, Oxfordshire, 1 male, v.2001, Webb leg. (HRI). Mound Alderwood, Highland Region, 1 male, 14.vi.1976, Chandler leg. (NMS). Monk Wood, Avon, 2 males, 24.v.2000, Gibbs leg. (PDGB). Murrough, Wicklow, 1 male, 8.v.1989, Withers leg. (PPWM). New Forest, Hampshire, 1 male, 26.vi.1909, Adams leg. [lectotype of *Lycoria edwardsi*] (ZFMK). Nightingale Wood, Hampshire, 1 male, 18.ix.1975, Chandler leg. (PPCM). Old Slade, Buckinghamshire, 1 male, 2 females, 9.iv.1972 (reared), Chandler leg. (NMS, PPCM). Oversley Wood, Warwickshire, 4 males, x.1969 (reared), Evans leg. (BMNH). Pass of Killiecrankie, Perth & Kinross, 1 male, 7.vii.1975, Chandler leg. (NMS). Pot Riding Wood, Doncaster, South Yorkshire, 1 male, 2.viii.1992, Godfrey leg. (PPCM). RAF Barnham, Suffolk, 1 male, 28.vi.1995, J.H. Cole leg. (PJCB). Rosemarkie, Highland Region, 1 female, 21.ix.1989, Chandler leg. (PPCM). Rowardennan Forest, Lochan Maoil Dhuinne, Stirling, 1 male, 17.vi.1992, J.H. Cole leg. (PJCB). Sand, Shetland, 1 male, 5.vii.–6.vii.1992, Laurence leg. (PBLN). Savernake Forest, Wiltshire, 1 male, 28.vi.1971, Chandler leg. (NMS). Scadbury Park, Greater London, 1 male, 1 female, 18.vi.1983, Chandler leg. (NMS). Searles Farm, Reading, Berkshire, 1 male, 26.vi.2003, Chandler leg. (HRI). Sheep Leas, West Horsley, Surrey, 1 male, 9.vi.1968, Chandler leg. (PPCM). Sutton, Norfolk, 2 males, 25.v.1895; 1 female, 28.vi.1895; 1 female, 2.vii.1895, all Verrall leg. (UMO). Sutton Coldfield, West Midlands, 1 male, 26.v.1895, Bradley leg. (BMNH). The Loke, Norwich, Norfolk, 2 males, 5.v.1988; 2 males, 15.vi.–19.vi.1988; 1 male, 5.vi.–13.vi.1989; 2 males, 13.vii.–19.vii.1989; 1 male, 27.vii.1992, all Laurence leg. (PBLN). Tresillian, Cornwall, 1 male, 7.vii.1983, Chandler leg. (PPWM). Vidlin, Shetland, 2 males, 16.vi.–21.vi.1993, Laurence leg. (PBLN). Wadhurst Place, East Sussex, 1 male, 11.v.1974, Stubbs leg. (PPCM). Walberswick, Suffolk, 1 male, 26.v.–27.v.1973, Hutson leg. (BMNH). Warboys Wood, Cambridgeshire, 1 female, 21.v.1967, J.H. Cole leg. (PJCB). Wicken Fen, Cambridgeshire, 1 female, 14.v.1992, J.H. Cole leg. (PJCB). Wildmoor Heath, Berkshire, 1 male, 15.v.1999, Chandler leg. (NMS). Windsor Forest, Berkshire, 1 male, 13.v.1967, Stubbs leg. (PPCM); 1 male, 30.vi.1971; 1 male, 27.v.1985, all Chandler leg. (NMS, PPCM). Wisley Common, Surrey, 1 male, 15.vi.1968, Chandler leg. (NMS). Woodwalton Fen, Cambridgeshire, 1 female, vii.1939, Coe leg. (BMNH); 1 male, 2 females, 24.v.1940, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 1 male, 1 female, 21.viii.2002, Menzel & J.E. Smith leg. (DEI, HRI). No locality details, England, 1 female, no date, Walker leg. [lectotype of *Sciara caudata*] (BMNH).
- Ecological notes:* very common in all types of woodland; heathland; wetlands including fen and reed beds, scrub and *Sphagnum* bog; bog and lakeshore and water meadows by river; gravel pits; calcareous grassland; school grounds with old poplars; gardens; parkland; old hedges. Reared from pupa in rotten wood, rotten beech and birch bark. v–x.

TRICHOSIA (TRICHOSIA) SPLENDENS WINNERTZ, 1867
Synonyms: maxima Strobl, 1880; *winnertzi* Nowicki, 1868.

Literature: Edwards (1925a): 533 [as *Trichosia hirtipennis*, misidentification]; Freeman (1983b): 20; Menzel & Mohrig (1997a): 11; Menzel (1998): 23; Withers (2002): 115.

Material examined: Alice Holt Forest, Hampshire, 1 male, 23.viii.1999, Chandler leg. (PPCM). Apes Down, Isle of Wight, 1 male, 31.vii.1980, Stubbs leg. (PPCM). Arniston, Midlothian, 1 male, 17.vii.1906, A.E.J. Carter leg. (UMO). Aviemore, Highland Region, 1 male, 9.vi.1913, Yerbury leg. (BMNH). Beaulieu River, New Forest, Hampshire, 1 male, 22.v.1936, Edwards leg. (BMNH). Bedford Purlieus, Cambridgeshire, 2 males, 23.vi.1985, J.H. Cole leg. (PJCB). Bettws, Conwy, 1 male, 16.vi.1887, Verrall leg. (UMO). Bix Bottom, Oxfordshire, 1 female, 6.vii.2002, Chandler leg. (PPCM). Black Wood, Rannoch, Perth & Kinross, 1 male, 11.viii.1988, Chandler leg. (PPCM). Blean Wood, Kent, 1 female, 31.v.1965, Parmenter leg. (BMNH). Bohuntine, Highland Region, 1 female, 20.vii.1997, Chandler leg. (PPCM). Bonhill, West Dunbartonshire, 1 male, 22.vi.1907; 1 male, 7.viii.1908; 1 male, 5.vi.1909, all Malloch leg. (NMS). Boundless Copse, Surrey, 1 male, 1 female, 26.vii.2002, Chandler leg. (PPCM). Brighstone Forest, Isle of Wight, 1 male, 1 female, 1.vii.1980, Chandler leg. (PPCM). Burnham Beeches, Buckinghamshire, 1 male, 1 female, 1.vii.–8.vii.1996, Ismay leg. (HRI). Butley Thicks, Suffolk, 1 female, 1.vi.1952, d'Assis-Fonseca leg. (NMS). California Country Park, Berkshire, 1 male, 15.ix.1996, Chandler leg. (PPCM). Chippenham Fen, Cambridgeshire, 1 female, 4.viii.1940, Collin leg. (UMO). Cod Wood, Devon, 1 male, 24.v.1978, Chandler leg. (PPCM). Coed Caeddydd, Gwynedd, 1 female, 8.vii.1987, Chandler leg. (PPCM). Comrie, Perth & Kinross, 1 female, 12.vii.1907, A.E.J. Carter leg. (UMO). Crowborough, East Sussex, 1 male, 30.vii.1912; 2 females, 8.ix.1919, all Jenkinson leg. (BMNH). Cwm Bychan, Gwynedd, 1 male, 12.vii.1976, Chandler leg. (NMS). Dalnaglar Castle, Perth & Kinross, 1 male, 7 females, 18.v.1998 (reared), Bland leg. (NMS). Derwentwater, Cumbria, 1 female, 14.vi.1977, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 female, 12.vi.1994, Chandler leg. (PPCM). Dolgellau, Gwynedd, 1 female, 13.vi.1887, Verrall leg. (UMO). Epping Forest, Essex, 1 male, 18.viii.1998; 1 female, 26.v.1999, all Chandler leg. (PPCM); 1 male, vi.1999; 3 males, 1 female, 5.vii.–11.vii.1999, all Dagley leg. (HRI). Farley Downs, Hampshire, 2 males, 20.v.1936, Edwards leg. (BMNH). Felbrigg Great Wood, Norfolk, 1 female, 10.vii.1993, Chandler leg. (PPCM). Ffrith, Flintshire, 1 male, 7.vi.–9.vi.1919, Edwards leg. (BMNH). Fingle Bridge,

Devon, 1 female, 8.vii.1992, Chandler leg. (NMS). Glasdrum, Argyll & Bute, 2 males, 7.vii.1974, Chandler leg. (NMS). Glen Doll, Angus, 2 females, 26.iv.1998 (reared), Bland leg. (NMS). Glen Lochay, Stirling, 1 male, 3.vi.–18.vi.1932, Edwards leg. (BMNH). Glencoe, Highland Region, 1 male, 13.vi.1976, Chandler leg. (NMS). Glendalough, Wicklow, 1 male, 8.vii.1969; 1 male, 1 female, 10.vii.1971, all Chandler leg. (PPCM). Grange, Cumbria, 1 male, 3.vii.–7.viii.1923, Edwards leg. (BMNH). Holker Moss, Cumbria, 1 male, 1 female, 11.vii.–13.vii.1923, Edwards leg. (BMNH). Holly Bank, Shropshire, 1 male, 17.vi.1992, Gibbs leg. (PDGB). Humphrey Head, Cumbria, 1 female, 1.vii.–8.vii.1923, Edwards leg. (BMNH). Inholm's Copse, West Sussex, 1 male, 26.vii.1974, Chandler leg. (PPCM). Invermoriston, Highland Region, 1 female, 20.viii.1977, Dear leg. (BMNH). Knebworth, Hertfordshire, 1 male, 10.vi.1927, Edwards leg. (BMNH). Lisdoonvarna, Clare, 1 female, 8.vii.1981, J.P. O'Connor leg. (NMID). Loch Davan, Aberdeenshire, 1 female, 10.vii.1977, Chandler leg. (NMS). Loch na Ba Ruaidhe, Highland Region, 1 female, 13.vi.1984, Chandler leg. (PPCM). Loch Tummel, Perth & Kinross, 2 males, 20.vi.1937; 2 males, 30.vi.1937, all Collin leg. (BMNH). Logie, Moray, 1 male, viii.1923, Jenkinson leg. (BMNH). Lough Ballynafid, Westmeath, 1 male, 16.vi.1985, Chandler leg. (PPWM). Mark Ash Wood, New Forest, Hampshire, 1 female, viii.1936, Edwards leg. (BMNH); 1 male, 4.vi.1939, Collin leg. (UMO); 1 female, 7.vi.1989; 1 female, 17.vi.1990, all Chandler leg. (NMS, PPCM). Matley Bog, New Forest, Hampshire, 1 male, 19.viii.1952, d'Assis-Fonseca leg. (NMS). Maulden Wood, Bedfordshire, 1 male, 5.vi.1980, J.H. Cole leg. (PJCB). Miller's Dale, Derbyshire, 1 female, 20.vi.1888, Verrall leg. (UMO). Monk's Wood, Cambridgeshire, 1 male, 28.vi.1971, Service leg. (PJCB). Nesbitt Dene, Durham, 1 female, 5.vii.1995, Chandler leg. (PPCM). Nethy Bridge, Highland Region, 1 female, 17.vii.1913, King leg. (BMNH). New Forest, Hampshire, 1 male, vii.1905, Sharp leg. (BMNH); 1 male, 10.vii.1907, King leg. (BMNH); 1 male, 28.v.1948, Colyer leg. (BMNH); 1 male, 23.vi.1965; 1 male, 10.vi.1968, all Parmenter leg. (BMNH). Nichol's Moss, Cumbria, 1 female, 19.vi.1999, Perry leg. (PPCM). Peppercombe, Devon, 1 male, 14.vi.1989, J.H. Cole leg. (PJCB). Pitmaduthy Moss, Highland Region, 1 male, 16.vi.1976, Chandler leg. (NMS). Pond Wood, Chislehurst, Greater London, 1 female, 24.vi.1964, Chandler leg. (PPCM). Ringstead, Dorset, 1 male, viii.1939, Edwards leg. (BMNH). River East Lyn, Rockford, Devon, 1 male, 16.vi.1989, J.H. Cole leg. (PJCB). Slapston Holm Wood, North Yorkshire, 1 male, 27.vi.1981, Chandler leg. (PPCM). Stoke Wood, Herefordshire, 1 male, 1 female, 11.vii.1909, Verrall or Collin leg. (UMO). Stokenchurch, Oxfordshire, 1

female, 13.vii.1907, Verrall leg. (UMO). Stronord, Dumfries & Galloway, 1 male, 18.vii.1979, J.H. Cole leg. (PJCB). The Spittles, Dorset, 1 male, 2.vii.1998, Chandler leg. (NMS). Thompson Common, Norfolk, 1 male, 17.vi.1991, Withers leg. (PPWM). Vicars Bridge, Perth & Kinross, 1 male, 14.vi.1992, J.H. Cole leg. (PJCB). Walter's Copse, Isle of Wight, 1 female, 2.vii.1980, Chandler leg. (NMS). Welwyn, Hertfordshire, 1 female, viii.1927, Edwards leg. (BMNH). Witherslack, Cumbria, 2 females, 12.vii.1923, Edwards leg. (BMNH). Woodwalton Fen, Cambridgeshire, 2 males, 24.v.1940, Edwards leg. (BMNH). Wormsley, Oxfordshire, 1 male, 7.vii.1909, Verrall or Collin leg. (UMO).

Ecological notes: common in all types of woodland especially where there is plenty of dead wood; old hedges; grassland with pingo pools; calcareous grassland; marginal vegetation by upland lake; fen; bog; water meadows and gravel pits. Reared from pupae in moss, from yellow larvae in rotten alder wood. v–ix.

XYLOSCIARA TUOMIKOSKI, 1957

XYLOSCIARA (PROTOXYLOSCIARA) LONGIFORCEPS
(BUKOWSKI & LENGERSDORF, 1936)

Synonym: *denudata* (Mohrig & Menzel, 1990).

New to British list.

Material examined: Epping Thicks, Epping Forest, Essex, 1 male, iv.1999, Dagley leg. (PPCM).

Ecological notes: found in ancient broad-leaved woodland. iii.

XYLOSCIARA (XYLOSCIARA) BETULAE
TUOMIKOSKI, 1960

New to British list.

Material examined: Beinn Eighe, Highland Region, 1 male, 11.iv.1952, Richards leg. (BMNH). Parham, West Sussex, 1 male, 13.xi.1957, Hussey leg. (HRI). Sparrow Wood, Greater London, 1 male, 15.iv.1972, Chandler leg. (PPCM).

Ecological notes: found in broad-leaved and mixed woodland; bark of old birch and on the fungus *Piptoporus betulinus* on birch. iv, xi.

XYLOSCIARA (XYLOSCIARA) HEPTACANTHA
TUOMIKOSKI, 1957

Literature: Menzel (1998): 23; Withers (2002): 115.

Material examined: Becky Woods, Manaton, Devon, 1 male, 23.vi.2002, J.E. Smith leg. (HRI). Brandon Marsh, Ryton-on-Dunsmore, West Midlands, 1 male, 22.viii.2002, Menzel leg. (DEI). Corriegills, Arran,

North Ayrshire, 1 male, 2.vi.–4.vi.1919, Edwards leg. (BMNH). Hengistbury Head, Hampshire, 1 male, 13.vi.1938, Edwards leg. (BMNH). Lea Meadows, Newtown Linford, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Malham Tarn, North Yorkshire, 1 male, 29.vi.–2.vii.1981, Disney leg. (PPWM). Murrrough, Wicklow, 3 males, 8.v.1989, Withers leg. (PPWM). Narborough Bog, Whetstone, Leicestershire, 1 male, 24.viii.2003, Menzel leg. (DEI). Nethy Bridge, Highland Region, 1 male, 16.vi.1936, Coe leg. (BMNH). Searles Farm, Reading, Berkshire, 1 male, 26.vi.2003, Chandler leg. (PPCM). Spey Bay, Moray, 1 male, 2.vii.1936, Coe leg. (BMNH). Theale, Berkshire, 1 male, 9.vii.2003, Chandler leg. (PPCM). Wheatfen Broad, Norfolk, 1 male, 25.vii.1989, Withers leg. (PPWM). Woodwalton Fen, Cambridgeshire, 1 male, 24.v.1940, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 2 males, 21.viii.2002, Menzel leg. (DEI).

Ecological notes: found in broad-leaved and mixed woodland especially carr; wetlands including fen, bogs, wet meadow with reed bed on peat, lakeshore; former gravel workings; sea cliff. v–viii.

XYLOSCIARA (XYLOSCIARA) LIGNICOLA
(WINNERTZ, 1867)

Synonyms: *belingi* (Winnertz, 1869); *hortulana* (Beling, 1873); *nitidissima* (Strobl, 1880).

Literature: Edwards (1938): 201 [as *Sciara (Plastosciara)*]; Perry & Stubbs (1978): 71; Freeman (1983b): 26; Menzel (1998): 23.

Material examined: Delamere, Cheshire, 2 males, 17.iv.–26.iv.1928 (reared), Britten leg. (BMNH). Monument Field, Epping Forest, Essex, 1 male, iv.1999, Dagley leg. (PPCM). Harpenden, Hertfordshire, 2 males, 30.vii.1934, C.B. Williams leg. (BMNH). Letchworth, Hertfordshire, 1 male, 9.ix.1924; 1 male, 30.iv.1925, all Edwards leg. (BMNH). Longdendale, Cheshire, 5 males, 11.v.–14.v.1932 (reared), Britten leg. (BMNH). Windsor Forest, Berkshire, 4 males, 1.v.1933 (reared), Donisthorpe leg. (BMNH).

Ecological notes: found in ancient oak and beech forest and other broad-leaved woodland; conifer plantations. Reared from bark of pine, spruce, birch and oak. iv–v, vii, ix.

XYLOSCIARA (XYLOSCIARA) SPECTABILIS
RUDZINSKI, 1992

Literature: Edwards (1925a): 542 [as *Plastosciara pictiventris*, misidentification].

New to British list.

Material examined: Radwell, Hertfordshire, 1 male, 1 female, 18.iv.1919, Edwards leg. (BMNH). The Loke, Norwich, Norfolk, 2 males, 20.iv.1987; 1 male, 1.iv.1988; 1 male, 27.v.1997, all Laurence leg. (PBLN).

Ecological notes: found in garden; on a fence. iv–v.

Taxonomic note: Radwell specimens referred to by Edwards (1925a) were *Xylosciara spectabilis* rather than *Xylosciara lignicola* under which Freeman included this misidentification of *Plastosciara pictimensis* by Edwards.

XYLOSCIARA (XYLOSCIARA) SUBBETULAE MOHRIG & KRIVOSHEINA, 1982

Literature: Menzel (1998): 23.

Material examined: Hickling Broad, Norfolk, 1 male, 13.viii.1989, Withers leg. (PPWM).

Ecological notes: found in a site comprising alder carr and sedge beds. viii.

ZYGONEURA MEIGEN, 1830

ZYGONEURA (ALLOZYGONEURA) CALTHAE TUOMIKOSKI, 1960

Literature: Menzel (1998): 23.

Material examined: Colwyn Brook, Powys, 1 male, 20.vi.1989, Holmes, Boyce & Reed leg. (PPWM).

Ecological notes: found on *Carex acutiformis* fen. Reared from stem of marsh marigold. vi.

ZYGONEURA (ZYGONEURA) SCIARINA MEIGEN, 1830

Literature: Walker (1848): 103; Walker (1856): 57; Haliday (1857): 31–33; Edwards (1925a): 533; Chandler (1978): 209; Freeman (1983b): 22; Freeman (1987): 197; Laurence (1994): 118; Menzel (1998): 23; Coldwell (1999): 25.

Material examined: Aldermoor, Berkshire, 1 male, 11.vi.1994, Chandler leg. (PPCM). Alvecote Pools, Staffordshire, 1 female, 13.x.2001, Chandler leg. (HRI). Ashtead, Surrey, 1 female, 8.v.1932, Coe leg. (BMNH). Aversley Wood, Cambridgeshire, 1 male, 2.iv.1988, J.H. Cole leg. (PJCB). Bagley Wood, Oxfordshire, 1 male, 20.v.–21.v.1937, Edwards leg. (BMNH). Baldock, Hertfordshire, 1 male, ix.–x.1917; 1 male, 1 female, v.1918, all Edwards leg. (BMNH). Ballyvourney, Cork, 1 male, 13.v.1989; 1 male, 10.vii.1990, all Withers leg. (PPWM). Ban-y-Gor Wood, Gloucestershire, 1 male, 12.ix.2002, Gibbs leg. (PDGB). Brampton, Cambridgeshire, 6 males, 8 females, 25.iv.1997 (reared), J.H. Cole leg. (PJCB). Brancaster, Norfolk, 1 male, 28.x.1988, Foster & Procter leg. (PBLN). Buck-

lebury Common, Berkshire, 1 male, 20.vi.1993; 1 male, 30.viii.1993, all Chandler leg. (PPCM). Burton Wood, Cumbria, 1 male, 9.x.1972, Stubbs leg. (PPCM). Caerkief Wood, Cornwall, 1 male, 3.vii.1983, Chandler leg. (NMS). Carbins Wood, Berkshire, 2 males, 26.vi.1994, Chandler leg. (PPCM). Castlerosse, Killarney, Kerry, 1 male, 2.v.1981, Chandler leg. (PPCM). Charlbury, Oxfordshire, 1 male, 4.vii.1936, Edwards leg. (BMNH). Charleville Wood, Offaly, 2 males, 15.vi.1985, Chandler leg. (PPWM). Charterhouse Alder Holt, Surrey, 1 male, 1 female, 16.vii.1989, Chandler leg. (NMS, PPCM). Chedworth, Gloucestershire, 1 male, 5.vi.1936, Edwards leg. (BMNH). Chee Dale, Derbyshire, 1 male, 1 female, 30.x.1991, Chandler leg. (NMS). Chippenham Fen, Cambridgeshire, 1 male, 2.vii.1980, Chandler leg. (NMS). Clovelly, Devon, 3 males, 8.v.1936, Edwards leg. (BMNH). Coombe Abbey Country Park, Coventry, Warwickshire, 2 males, 28.viii.2003, J.E. Smith leg. (HRI). Dean Wood, Devon, 1 male, 11.x.1980, Chandler leg. (NMS). Devil's Punchbowl, Surrey, 1 male, 16.v.1992, Chandler leg. (PPCM). Dinton Pastures Country Park, Berkshire, 1 male, 8.v.1993; 2 males, 15.v.1993; 1 male, 14.vii.1993; 1 male, 18.vi.1994; 2 females, 7.xi.1994; 1 male, 28.v.1998; 1 male, 13.viii.1998; 1 male, 7.x.1998; 1 male, 8.xi.1999, all Chandler leg. (NMS, PPCM). Ditchley, Oxfordshire, 1 male, v.1937, Edwards leg. (BMNH). Drominahassig, Kerry, 1 male, 15.v.1973, Chandler leg. (PPCM). Dromore Forest, Kerry, 1 male, 15.x.1973, Chandler leg. (NMS). Dunamarc Falls, Cork, 1 male, 14.x.1973, Chandler leg. (NMS). Duncombe Park, North Yorkshire, 1 male, 16.vii.1996, Chandler leg. (PPCM). Easington Beck, North Yorkshire, 1 male, 1 female, 11.x.1990, Chandler leg. (NMS). Epping Forest, Essex, 1 male, 1 female, 12.iv.1999; 1 male, 1 female, 19.iv.1999, all Dagley leg. (NMS, PPCM). Farnborough Park, Warwickshire, 1 male, 1 female, 10.x.2001, Chandler leg. (HRI). Ferndown, Dorset, 1 male, 24.x.1965, Parmenter leg. (BMNH). Forge Valley, North Yorkshire, 1 male, 13.ix.1999, Crossley leg. (PPCM). Glen of Knocknarea, Sligo, 1 male, 1.x.1977, Chandler leg. (NMS). Grange-over-Sands, Cumbria, 1 female, xii.1939, Collin leg. (UMO). Grindon Wood, Staffordshire, 1 male, 13.x.1997, Chandler leg. (PPCM). Gweek Wood, Cornwall, 2 males, 4.vii.1983, Chandler leg. (NMS, PPCM). High Dam, Cumbria, 1 male, 15.vi.1999, Chandler leg. (NMS). Ilfracombe, Devon, 1 female, 6.vii.1980, Chandler leg. (NMS). Killarney, Kerry, 1 male, 25.v.–27.v.1929, Edwards leg. (BMNH). Killaun Bog, Offaly, 1 male, ix.2000, Withers leg. (PPWM). Knap Mill, Devon, 1 male, 2.vi.1978, J.H. Cole leg. (PJCB). Lackham Wood, Wiltshire, 1 male, 18.x.2002, Chandler leg. (HRI). Lancut Nature Reserve, Gloucestershire, 1 female, 5.ix.2002, Gibbs leg. (PDGB). Lathkill Dale, Derbyshire, 1 female,

10.x.1991, Chandler leg. (PPCM). Leckford Estate, Hampshire, 1 female, 12.iii.–15.iii.1976 (reared); 4 males, 2 females, 1977 (reared); 1 male, 1.ix.1998; 1 male, 11.xi.1999, all Chandler leg. (NMS, PPCM). Letchworth, Hertfordshire, 1 male, 11.xi.1916, Edwards leg. (BMNH). Llanmynach Hills, Shropshire, 1 male, 23.v.1994, J.H. Cole leg. (PJCB). Maulden Wood, Bedfordshire, 1 male, 23.vii.1980, J.H. Cole leg. (PJCB). Monk's Wood, Cambridgeshire, 1 female, 3.vi.1972, J.H. Cole leg. (PJCB). Mulgrave Wood, North Yorkshire, 1 male, 23.viii.–3.ix.1937, Edwards leg. (BMNH). Murrrough, Wicklow, 1 male, 8.v.1989, Withers leg. (PPWM). Natural History Museum, South Kensington, Greater London, 1 male, 8.vi.1948, Ward leg. (BMNH). Nesbitt Dene, Durham, 1 male, 29.vii.1992; 1 male, 5.viii.1995, all Chandler leg. (NMS, PPCM). Neuadd Fawr, Ceredigion, 1 male, 28.ix.1974, Chandler leg. (PPCM). North Grimston, North Yorkshire, 1 male, 16.vii.1996, Chandler leg. (PPCM). Oxford, Oxfordshire, 1 male, 2.x.1950 (reared), Laurence leg. (PBLN). Oxford University Museum, Oxford, Oxfordshire, 1 male, 9.xi.1920; 1 male, 5.xii.1928, all Hamm leg. (UMO). Perrott's Brook, Gloucestershire, 1 male, 12.x.1979, Stubbs leg. (PPCM). Radcliffe on Trent, Nottinghamshire, 1 female, 10.vii.1912, Robinson leg. (BMNH). Ranmore Common, Surrey, 2 males, 12 females, 10.ii.–17.iii.1936 (reared), Richards leg. (BMNH). Reedham, Norfolk, 1 male, 26.viii.–27.x.1988, Foster & Procter leg. (PBLN). Reelig Glen, Moniak, Highland Region, 1 male, 21.x.1999, Chandler leg. (NMS). Reydon Wood, Suffolk, 1 male, 11.v.1986, Withers leg. (PPWM). Salcombe, Devon, 1 male, 25.vii.1908, Verrall leg. (UMO). Scadbury Park, Greater London, 1 male, 18.vi.1983; 1 male, 22.x.1983, all Chandler leg. (PPCM, PPWM). Scotland Fen, Suffolk, 1 female, 19.x.1996, Chandler leg. (PPCM). Selborne Common, Hampshire, 1 male, 28.v.1988, Chandler leg. (NMS). Sharpenhoe, Bedfordshire, 2 females, 16.vi.1997, Chandler leg. (NMS, PPCM). Shepreth, Cambridgeshire, 1 male, 3 females, iii.1918 (reared), Edwards leg. (BMNH). Sherrard's Wood, Welwyn, Hertfordshire, 1 male, 22.x.1930, Edwards leg. (BMNH). Sidmouth, Devon, 2 males, 10.v.1936, Edwards leg. (BMNH). The Dingle, Isle of Anglesey, 1 male, 5.vii.1987, Chandler leg. (PPCM). Theale, Berkshire, 2 males, 1 female, 7.vii.2003, Chandler leg. (HRI). Tintern, Wexford, 1 male, 28.iii.1989, J.P. O'Connor leg. (NMID). Torc Cascade, Kerry, 1 male, 9.v.1981, Chandler leg. (PPCM). Upper Lake, Killarney, Kerry, 1 male, 5.v.1981, Chandler leg. (PPCM). Westhide Wood, Herefordshire, 1 male, 9.x.1998, Chandler leg. (NMS). Weston Big Wood, Avon, 1 male, 12.vii.2001, Gibbs leg. (PDGB). Wicken Fen, Cambridgeshire, 1 male, 25.iv.1993, Perry leg. (PJCB). Woodbastwick, Norfolk, 1 male, viii.1932, Edwards leg. (BMNH). Woodwalton Fen, Cam-

bridgeshire, 2 males, 1 female, 24.v.1940, Edwards leg. (BMNH). Wychwood, Oxfordshire, 2 females, v.1937, Edwards leg. (BMNH). Wytham Woods, Wytham, Oxfordshire, 4 males, 21.viii.2002, J.E. Smith leg. (HRI).

Ecological notes: very common in broad-leaved and mixed woodland; common in carr woodland; also found on heathland; wetlands including fen, raised bog, sedge beds, water meadows and gravel pits; mossy rocks by waterfall; old hedges; grassland and scrub in old limestone quarry; gardens. Reared from poplar log, borings of the beetle *Hylesinus fraxini* and fungus *Auricularia mesenterica*. iii–xi.

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