

# ORTHOPTERA RECORDING SCHEME

Newsletter No. 21

February 1995

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## POST ATLAS DATA

(Some data listed below has appeared in *British Wildlife* during 1994 and is repeated here with the editor's permission).

### New or refound 10 km Records

#### *Meconema thalassinum* (De Geer), Oak Bush-cricket

Nothing dramatic in 1994, but several 10km squares have been added, within its known distribution in England and Wales.

VC 7, N. Wiltshire: 41(SU)284724, Ramsbury. Nymph on hawthorn, 6.6.1994; recorded by C.J. Timmins.

VC 24, Buckinghamshire: 42(SP)833454, Little Linford. Nymph, 2.6.1991; by M.V. Albertini.

VC 39, Staffordshire: 32(SO)837864, The Million. On oak at edge of conifers, 5.7.1994; by C.J. Timmins.

VC 49, Caernarvon: 23(SH)598683, Bryn Gwynt, Tregarth. One landed on coal lorry, by gate, 9.8.1993 and another found dead indoors, 7.9.1993; by Mrs M.J. Morgan.

#### *Tettigonia viridissima* (L.), Great Green Bush-cricket

The hitherto unrecorded Wiltshire locality, on chalk downland, is of special interest. There are also two records of apparently isolated, stridulating males, which are best regarded provisionally as casuals.

VC 3, S. Devon: 20(SX)9686, Turf Lock Inn, Exeter Canal, 12.8.1994; by K. Rylands.

VC 7, N. Wiltshire: 31(ST)999650 and 41(SU)003645, Oliver's Castle. Two stridulating at first site and six at second, on 15.8.1993; by H. Inns.

VC 34, W. Gloucestershire: 31(ST)586747, Bristol. Single male stridulating in railway cutting, 18.8.1994; by R. Higgins and D. Lawrence.

VC 45, Pembrokeshire: 12(SM)8422, Newgale. Single male stridulating on Tree Mallow, *Lavatera arborea*, near camp site, in September 1993; by J.B. Steer.

#### *Decticus verrucivorus* (L.), Wart-biter

This magnificent bush-cricket is now the subject of a Species Recovery Programme by English Nature, and with appropriate management its four known British populations have a good chance of long term survival.

VC 7, N. Wiltshire: the elusive downland population was refound by Dominic Ash, of EN, on 20.8.1994. The site is now owned by the National Trust, who are undertaking suitable maintenance of its habitat.

VC 15, E. Kent: as was shown on BBC television, Sussex stock, including that reared by London Zoo, was reintroduced to the Kent Trust for Nature Conservation chalk downland reserve, where the insect had been known until 1975.

*Pholidoptera griseoptera* (De Geer), Dark Bush-cricket

No new records from the tenuous margins of its known British range have been made in the last year, despite deliberate searches. There were only three new 10km records. This species appears to have a distinctly static population at present.

VC 2, E. Cornwall: 20(SX)2195, Jacobstow, on 22.8.1994; by Mrs M. Atkinson, per M. Lee.

VC 7, N. Wiltshire: 41(SU)028672, Morgan's Hill NR. In chalk scrub at 230 m altitude; by P. Mobsby in the summer of 1991.

VC 24, Buckinghamshire: 42(SP)833454, Little Linford, nymphs, 2.6.1991; by M.V. Albertini.

*Metrioptera roeselii* (Hagenbach), Roesel's Bush-cricket

This species continues to spread steadily west and north from the Thames Valley. In addition to the records from new 10 km squares listed below, several recorders have commented on huge populations on wasteland and verges during the last hot summer (see site records). In several places it was noted as by far the most numerous orthopteran present. It is interesting that its isolated colonies in VCs 11, 46, 53/54, 60, 61 and H6 do not appear to be expanding to any noticeable extent; possibly they are genetically distinct from the populations in the Home Counties.

VC 12, N. Hants: 41(SU)8549, Rowhill LNR, 31.7.1994, about fifteen stridulating in managed open space in woodland; by K. Rylands.

VC 19, N. Essex: 52(TL)540201, Hatfield Forest, in damp grass by lake, on 25.7.1993; J.P. Widgery.

VC 20, Hertfordshire: 52(TL)377304, near Buntingford. One stridulating in long grass by footpath across arable land, on 2.8.1994; by J.P. Widgery.

52(TL)440309, Brent Pelham. One stridulating in green lane, 29.7.1994; J.P. Widgery.

VC 22, Berkshire: 41(SU)671830, south of Wokingham; numerous in rough wasteland grass in September 1992; by A. Johnson.

*Conocephalus discolor* (Thunberg), Long-winged Cone-head

During the 1994 summer this bush-cricket was recorded in eighteen further 10 km squares. It is now known to have small colonies in S. Devon and western Dorset. An unidentified nymph at Prawle and stridulation in rough grass near Kingsbridge in August 1993 could have been the first signs of the cone-head in Devon, but its presence was not confirmed until this summer.

A scattering of extra-macropterous individuals were found in Hertfordshire, probably, at most, within a few days of their arrival in the county, at twelve sites in seven 10 km squares; J.P. Widgery (in prep.). It seems likely that this invasion originated from the new large and expanding population in Surrey and Berkshire. Although not yet recorded, it may also have reached Middlesex and Essex, and a careful search would be worthwhile next year.

VC 3, S. Devon: 20(SX)45, Plymouth. At least four were located at a wasteland site in Plymouth in the last week of October (one retained as a voucher specimen); by R.A. Stevens.

20(SX)85, near Dittisham, several on abandoned pasture at a confidential site, 3.8.1994 (the first record for the county); by D. Buckingham.

VC 8, S. Wiltshire: 41(SU)0732, Ox Drive, Wilton. Thinly distributed along disused railway, from 1990; 195519, Weather Hill, Eversleigh, three stridulating in rough grass, 5.9.1992; 209442, Beacon Hill, Bulford, several in rabbit grazed chalk turf, 5.9.1992; and 049233, Middleton Down NR, several in rough grass, August 1993. All records by P. Mobsby.

VC 9, Dorset: 30(SY)471913, Wanderwell Quarry, Bridport. Small colony located on 22.8.1994 (the first Dorset record west of Weymouth); by I. Cross.

VC 13, W. Sussex: 41(SU)896277, Fernhurst. Substantial colony in rough herbage on unused building plot, 1.8.1994; recorded by D.J. Veevers.

VC 20, Hertfordshire: all records, by J.P. Widgery, were of separate, extra macropterous individuals. Sequence of finds: 7.8.1994 (first for the county), at Ayot St Lawrence, 52(TL)195176. 13th August, at Frogmore, 51(TQ)021989. 14th August, at six sites - near Chiswell Green, 52(TL)124046; nr Bricket Wood, TL118031 and 112019; nr Bedmond, TL107034; Chiswell Green, TL116043 and 131047. 16th August, near Bedmond, 52(TL)083039. 22nd August, near Langley, 52(TL)214216. 27th August, Holwell, 52(TL)270113 and near Hertingfordbury, TL302113.

#### *Conocephalus dorsalis* (Latreille) Short-winged Cone-head

Although only one additional 10 km square has been added this year, within its known range, this species is clearly spreading readily into new sites. Sometimes these are surprisingly dry. The extra macropterous f. *burri* has been seen at several. There is also an interesting new island record.

VC 1, W. Cornwall: 00(SV)888083; Gugh, October 1994; by R. Higgins and D. Lawrence.

VC 22, Berkshire: 41(SU)671830, near Wokingham, in rough grass in September 1992; by A. Johnson.

#### *Leptophyes punctatissima* (Bosc) Speckled Bush-cricket

As with the cone-heads, bat detectors have greatly aided in the detection of this familiar bush-cricket. However, few new localities have been found in 1994, despite searching. At the edge of its range it remains unrecorded for Derbyshire, R.A. Frost (1993), and it has not been refound, post 1960, in N. Lincolnshire, VC 54, or in Yorkshire, where there are old records for VC 61 and 63.

VC 41, Glamorgan: 21(SS)790821, Kenfig Burrows NNR, in June 1994; by A. Ramsay.

VC 53, S. Lincolnshire: 43(SK)86, Housham and Tunman Woods, in 1993; by R.A. Frost.

#### *Acheta domesticus* (L.) House-cricket

During the hot summer several outdoor colonies were noted, within its known range, including on St. Mary's, Isles of Scilly. Some of the records in urban areas could have been of *Gryllus bimaculatus*, so familiar, at least to the ear, in resorts around the Mediterranean, and now used extensively as live pet food. Only one new 10 km square has been added for the House-cricket this year, VC 39, Staffordshire, 33(SJ)90.

#### *Tetrix ceperoi* (Bolivar) Cepero's Ground-hopper

Found in three new 10 km squares, as well as several new colonies within its known range.

VC 3, S. Devon: 20(SX)9878, Dawlish Warren NR. Found on damp ground near the visitors' centre, on 31.3.1994 and 29.4.1994; by K. Rylands.

VC 9, Dorset: 30(SY)4191 and 4192, Seatown, undercliff, on 10.7.1994; by R.S. Cropper.

VC 10, Isle of Wight: 40(SZ)410820, Chilton Chine, undercliff, August 1993; by R. Taylor, per O. Frazer.

*Tetrix subulata* (L.) Slender Ground-hopper

There are six new 10 km square records this year. Most are adjacent to known sites and are probably the result of careful search. The most important is for the Gower Peninsula, for which there have been earlier but unconfirmed reports.

VC 5, S. Somerset: 31(ST)105214, Rewe Mead NR. In ancient, wet meadow, 21.6.1993; by A.J. Prince.

VC 7, N. Wiltshire: 41(SU)273714, Ramsbury. Ancient water meadow on 5.8.1993; by P. Mobsby.

VC 8, S. Wiltshire: 41(SU)129351, River Avon, 1993; by P. Mobsby.

VC 28, W. Norfolk: 53(TF)909455, Wells Wood. Damp hollow in dunes. At least forty seen on 3.9.1994; by C.J. Timmins.

VC 41, Glamorgan: 21(SS)43898939, Cwn Ivy Marsh, Gower. A f. *bifasciata* found and retained as voucher specimen, 13.4.1994; by C.J. Timmins.

VC 55, Leicestershire: 43(SK)885080, Rutland Water, in reed bed, on 25.5.1993; by J Daws.

*Tetrix undulata* (Sowerby) Common Ground-hopper

A further twelve 10 km square records have been added, five in and around the Lake District. The many new records in the last ten years are mostly the result of special searches for this widespread but unobtrusive little insect. However, the one place where confirmation of its presence has for long been needed is in VC 111, Orkney. Several recorders in the pre 1961 period have listed it for the islands, but there seem to be neither voucher specimens, nor specific sites mentioned.

VC 2, E. Cornwall: 21(SS)189004, Penhalt Cliff. On earth bank by track, 4.7.1994; by E.C.M. Haes.

VC 6, N. Somerset: 31(ST)300171, Barrington Hill NNR. In mud by pool, on 8.5.1994; by R.S. Cropper.

VC 8, S. Wiltshire: 41(SU)049233, Middleton Down NR, in 1993; by P. Mobsby.

VC 24, Buckinghamshire: 41(SU)8186, Holmfield Wood, on 18.7.1992; by M.V. Albertini.

VC 55, Leicestershire: 42(SP)6191, Saddington Reservoir, 7.6.1992; 43(SK)3819, Lount Meadow No. 2, in pitfall trap, 3.8.1992; both by J. Daws.

VC 58, Cheshire: 33(SJ)620480, Sound Common, 1.5.1994; by Dr P. Griffith.

VC 60, W. Lancashire: 34(SD)547665, Aughton, 28.6.1993; 34(SD)552762, Dalton, 1.10.1993; both by Mrs J.M. Newton.

VC 69, Westmorland: 34(SD)423970, on 29.6.1994; 34(SD)199919 and 201915, both 7.7.1994; all by J.P. Widgery.

*Stenobothrus lineatus* (Panzer), Stripe-winged Grasshopper

A post 1960 refind and records for two new 10 km squares have been received for downland sites in South Wiltshire.



VC 8: 41(SU)188338, Figgsbury Ring, and 138327, Old Sarum, both in 1992; a refind 41(SU)215248, Pepperbox Hill, 15.8.192; and 41(SU)333616, Ham Hill NR, on 28.7.1993; by P. Mobsby.

*Omocestus rufipes* (Zetterstedt), Woodland Grasshopper

A further Somerset and two Wiltshire sites have been added.

VC 6, N. Somerset: 31(ST)558542, East Harptree Wood. Several on acid grassland recently planted with conifers, 8.8.1994; by S. Preddy, later seen by R.S. Cropper.

VC 8, S. Wiltshire: 41(SU)250290, Bentley Wood. Several in newly widened rides of ancient oak wood, with recent conifer plantings. Present from 1990; and 129351, Little Durford Down NR, found in chalk scrub, 1993. Possibly a recent arrival here, from along the adjacent Avebury valley. Both records by P. Mobsby, who noted that from 1992 this grasshopper was recorded from further sites in SU22.

*Omocestus viridulus* (L.) Common Green Grasshopper

Although still a common species, this grasshopper does not show any great tendency to spread rapidly into newly available sites, as do several other orthopterans. It remains conspicuously absent from most of the vicinity of the Thames Estuary, as well as from some smaller sites, such as Dungeness; Selsey Peninsula in W. Sussex, and the eastern side of the Isle of Wight. Thirteen new, post atlas, 10 km square records have been added in 1994, most in N.W. England and eastern Scotland.

VC 3, S. Devon: 20(SX)97, Dawlish Warren NNR, 1994; by K. Rylands.

VC 8, S. Wiltshire: found at three sites in 41(SU)13 in 1992; at 131319, Stratford sub Castle, in water meadow; at 188338, Figgsbury Ring, and at 138327, Old Sarum. Also known since 1990 at 41(SU)250290, Bentley Wood. All records by P. Mobsby.

VC 28, W. Norfolk: 53(TF)909455, Wells Wood on mature sand dune, 3.9.1994; by C.J. Timmins.

VC 55, Leicestershire: 43(SK)417265, Donnington Park, long grass by woodland, 15.7.1991 by J. Daws.

VC 60, W. Lancaster: a refind of pre 1961, at 34(SD)3833, Plumpton Sidings NR, 27.7.1991 and new for 34(SD)4447, Winmarleigh Moss, 14.8.1992, and at 616434, Chipping, road verge 1.9.1993. All by Mrs J.M. Newton.

VC 69, Westmorland: refind of pre 1961 at 34(SD)309757, Ulverston, 6.7.1994, and new records for 35(NY)182256, Horton, 2.7.1994, and at 35(NY)400041, Wansfell, Troutbeck 8.7.1994. All by J.P. Widgery.

VC 92, S. Aberdeen: 38(NJ)674152, Dameye, on 8.8.1992; 500042, Mains of Kincairnie, on 20.8.1992, and 490179, Macharshaugh, on 10.8.1993. All by I. Francis.

*Chorthippus brunneus* (Thunberg) Field Grasshopper

Only five new 10 km records were received this year; although huge populations had been reported from known sites during the last hot summer.

VC 59, S. Lancaster: 34(SD)750064, Nog End, Bolton, 4.7.1993; by Mrs J.M. Newton. 34(SD)712329, Dean Clough, on 17.10.1993; by D.S. Bunn.

VC 60, W. Lancaster: 34(SD)615454, Bowland Fells, (at 240m altitude), on 1.9.1993; by Mrs J.M. Newton.

VC 63, S.W. Yorkshire: a refind of a pre 1961 record, at 44(SE)169184, Huddersfield. On furnace waste tip, in thin grass, 15.7.1994; by R. Higgins and D. Lawrence. Also found, by the same recorders, on railway embankment at 164193, on 16.7.1994.

VC 92, S. Aberdeen: 37(NO)088926, Glen Quoich, (one of only six inland Highland records), on 29.8.1993; by I. Francis.

*Chorthippus parallelus* (Zetterstedt), Meadow Grasshopper

Again, surprisingly few new 10 km square records have been sent this year. As with the last species, exceptionally large populations were seen at many of its known sites.

VC 27, E. Norfolk: 63(TG)2619, The Horstead Centre, in the meadow, on 9.7.1993; by Mrs M.J. Morgan.

VC 55, Leicestershire: 43(SK)9603, Luffenham Quarry, in pitfall trap, on 3.9.1992; by J. Daws.

VC 57, Derbyshire: 43(SK)24, Osmaston. Many in old meadow, September 1993; by R.A. Frost.

VC 60, W. Lancaster: 34(SD)615461, Burnslack, 1.9.1993; 594556, Tarnbrook, 22.9.1993, and 563715, Arkholm, 29.9.1993. All records by Mrs J.M. Newton.

VC 69, Westmorland: 35(NY)477275, Stainton, and 521223, Askham; both on 1.7.1994, by J.P. Widgery.

VC 91, Kincardine: 37(NO)705978, Loch of Leys, 20.7.1993; by I. Francis.

VC 92, S. Aberdeen. Three sites in square 38(NJ)40, on 8.8.1992; at 440010; 415092 and 422082; by I. Francis.

*Chorthippus albomarginatus* (DeGeer), Lesser Marsh Grasshopper

Several important and interesting new 10 km square records have been sent this year.

VC 8, S. Wiltshire: 41(SU)127350, Lower Woodford, 1990, a small population in a water meadow; by P. Mobsby. This isolated record is from a square adjacent to that where the grasshopper was found by D.K. McE. Kevan in 1954.

VC 23, Oxfordshire: several new sites along the Thames in squares 41(SU)59 and 42(SP)31, in 1993; several recorders. This grasshopper is now abundant at various riverside localities in this district.

VC 24, Buckinghamshire: 42(SP)868325, Blue Lagoon LNR, Bletchley. Singleton seen and heard, last summer, in long grass by lake; by J. Halls.

VC 34, W. Gloucestershire: several newly located riverside sites in squares 32(SO)60, 61; and in 32(SO)94.

VC 37, Worcestershire, at Eckington Bridge, 9142, 9242; by M. Mathews, 17.9.1994. Although its spread is less noticeable in the vicinity of the Severn and Avon, than along the Thames, there has been a distinct increase in its range over the last ten years, in places where earlier recorders failed to find it.

*Myrmeleotettix maculatus* (Thunberg), Mottled Grasshopper

Interesting new 10 km square records made this summer, include an industrial site in Yorkshire, matching 1992 Leicestershire records, and a new off-shore island record in the Outer Hebrides.

VC 8, S. Wiltshire: 41(SU)020474, Tilshead Down. In military training area, in tracks over chalk and clay, 1993; by P. Mobsby.

VC 55, Leicestershire: 43(SK)31, at 3015, Moira Junction, disused railway, and heath on Newfield Colliery, in pitfall traps on 1.7.1992; by J. Daws.

VC 63, S.W. Yorkshire: 44(SE)169184, Huddersfield, on furnace waste tip, 15.7.1994, and on nearby railway embankment, 16.7.1994; by R. Higgins and D. Lawrence.

VC 69, Westmorland: four new Lake District sites, at 35(NY)355058, 27.6.1994 and 177258, on 2.7.1994; 34(SD)294991, 5.7.1994, and 35(NY)402023, on 8.7.1994; by J.P. Widgery.

VC 92, S. Aberdeen: 38(NJ)500042, Mains of Kincaigie; a re-find, on 20.8.1992. 37(NO)309998, Geallig Hill, 13.7.1993. Both by I. Francis.

VC 110, Outer Hebrides: 08(NF)734202, S. Uist, and a new island record, 08(NF)785113, Eriskay. Both records from machir, on 17.8.1994, by D.I. Richmond.

*Pycnoscelus surinamensis* (L.), Surinam Cockroach

VC 83, Edinburgh: 36(NT)247756, single adult in tropical house, Botanic Gardens, 3/12/1993; by C.J. Timmins.

*Blatella germanica* (L.), German Cockroach

An important, new county record.

VC 49, Caernarvon: 23(SH)5571, Trebarth Botanic Gardens, Bangor, on 22.6.1993. The first record for this county; by Mrs M.J. Morgan.

*Ectobius lapponicus* (L.), Dusky Cockroach

VC 34, W. Gloucestershire: although not from a new square, K.N.A. Alexander has recorded a third locality for this cockroach in 32(SO)61, at Ruddle Marsh; adults in a sphagnum hollow, on 3.9.1993.

*Ectobius pallidus* (Olivier), Tawny Cockroach

VC 12, N. Hampshire: 41(SU)7959, Castle Bottom, on 14.7.1993; by K. Rylands.

*Ectobius panzeri* (Stephens), Lesser Cockroach

VC 3, S. Devon: re-find of a pre 1961 record, at 20(SX)97, Dawlish Warren NNR, in 1994; by K. Rylands.

*Labia minor* (L.), Lesser Earwig

Four records from completely new localities, (all in manure heaps), in the post 1960 period have been made by J. Daws; the most interesting is the first for Scotland in this period.

VC 55, Leicestershire: 42(SP)8393, Wardley, by roadside, on 14.6.1993; and at 43(SK)8140, Normanton, in farmyard, on 30.7.1993.

VC 61, S.E. Yorkshire: 54(TA)1561, Fraisthorpe Manor Farm, on 28.7.1992.

VC 93, N. Aberdeen: 38(NJ)9165, in field side muck heap near Rosehearty, on 28.9.1993; a first confirmed for the vice-county.

*Forficula auricularia* L., Common Earwig

Only nineteen new 10 km records were sent in this year, most for north-west England and Scotland; all made in 1994, by several recorders.

VC 41, 21(SS)78; VC 45, 12(SM)83; VC 55, 42(SP)89 and 43(SK)70; VC 62, 44(SE)45; VC 69, 34(SD)19, 27 and 29, 35(NY)10, 11, 12, 21, 30 and 42; VC 73, 25(NX)45, 54 and 85; VC 90, 37(NO)24 and 53.

*Forficula lesnei* Finot, Lesne's Earwig

Thanks especially to the efforts of C.J. Timmins, (Timmins, in press), and the recorders for Somerset, Thames Valley counties and Kent, the known distribution of this earwig is now extensive and lies across southern England and the Gower Peninsula. Two further records for new squares were sent this summer.

VC 1, W. Cornwall: 00(SV)889147, Tresco, west side, near Abbey Farm, 19.8.1994; a new island record, and 10(SW)512311, Marazion. In umbellifer stem, 17.8.1994, (first post 1960 mainland record for county). Both by C.J. Timmins.

VC 23, Oxfordshire: 42(SP)537274, Ardley Quarry NR. male and two females, (one with eggs), under stones, 12.3.1993; by S.J. Gregory.

**Addenda:** all records Mrs J.M. Newton, (rec 15.11.1994)

*F. auricularia*: VC 73, NX828493, Balcary Point, 12.7.1994

*T. undulata*: VC 73, NX776534, Bengairn 13.7.1994

*O. viridulus* VC 60, SO471369, Carr House, Green Common, 21.9.1994  
SD634351, Ribchester  
SD654397, Longridge Fell, both 2.9.1994

*C. brunneus*: VC 73, NX779530, 776534, Mains of Collin, 13.7.1994  
VC 60, SD471369, Carr House, Green Common, 21.9.1994  
SD573351, Haighton, 31.8.1994  
SD643391, Newdrop Inn, Longridge, 2.9.1994

*C. parallelus*: VC 60, SD652395, Longridge Fell, 2.9.1994

**Appendix:** Some field lists of particular interest, with recorder's comments, where given.

VC 1

00(SV)80 St Agnes, Isles of Scilly. R. Higgins and D. Lawrence. Oct 1994.

*Conocephalus dorsalis* rare, in marsh with *Juncus maritimus*

*Chorthippus brunneus* occasional

*Forficula auricularia* common

*F. lesnei* rare

00(SV)8808 Gugh, Isles of Scilly. R. Higgins and D. Lawrence. Oct 1994.

*Conocephalus dorsalis* rare, on dunes.

*Chorthippus brunneus* occasional

*Forficula auricularia* frequent

00(SV)91 St Mary's, Isles of Scilly. C.J. Timmins. Aug 1994.

*Tettigonia viridissima* localised. Specimens distinctively pink tinted

*Conocephalus discolor* three established populations located

*Acheta domesticus* at least five stridulating in and around stone wall



10(SW)6424 Loe Bar. E.C.M. Haes. 6.9.1994.  
*Tettigonia viridissima* numerous in tall herbage  
*Pholidoptera griseoptera* several in tall herbage  
*Platycleis albopunctata* numerous  
*Conocephalus discolor* one site found, with at least twentytwo adults  
*Chorthippus brunneus* common  
*C. parallelus* abundant  
*Ectobius panzeri* numerous  
*Forficula auricularia* numerous

VC 3

20(SX)97 Dawlish Warren. K. Rylands. Various dates, 1994.  
*Meconema thalassinum*  
*Tettigonia viridissima*  
*Platycleis albopunctata*  
*Conocephalus dorsalis*  
*Tetrix ceperoi* at least two, near visitors' centre, 31.3. and 29.4.94  
*T. undulata*  
*Amocestus viridulus*  
*Chorthippus brunneus*  
*C. parallelus*  
*Myrmeleotettix maculatus*  
*Ectobius panzeri*  
*Forficula auricularia*

VC 8

41(SU)250290 Bentley Wood. P. Mobsby, from 1990.  
*Meconema thalassinum*  
*Pholidoptera griseoptera*  
*Conocephalus discolor*  
*Leptophyes punctatissima*  
*Tetrix undulata*  
*Omocestus rufipes*  
*O. viridulus*  
*Chorthippus brunneus*  
*C. parallelus*  
*Ectobius lapponicus*

VC 12

41(SU)8549 Rowhill, The Field LNR. (four acres of managed open space, surrounded by woodland). K. Rylands, 31.7.1994.  
*Meconema thalassinum*  
*Pholidoptera griseoptera*  
*Metrioptera roeseli* about fifteen stridulating  
*Conocephalus discolor*  
*Leptophyes punctatissima*  
*Omocestus viridulus*  
*Chorthippus brunneus*

*Ectobius lapponicus*  
*Forficula auricularia*

VC 22

41(SU)784728 Dinton Pastures. A. Johnson, 8.8.1993

*Pholidoptera griseoptera*

*Metrioptera roeselii*

*Conocephalus discolor*

*C. dorsalis*

*Chorthippus brunneus*

*C. parallelus*

VC 41

21(SS)7982 Kenfig Burrows NNR. A. Ramsay, June-July 1994

*Tettigonia viridissima* (incl. one stridulating 12.6.1994)

*Pholidoptera griseoptera*

*Leptophyes punctatissima*

*Tetrix ceperoi*

*T. undulata*

*Omocestus viridulus*

*Chorthippus brunneus*

*C. parallelus*

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