

Het News

Issue 19/20 Spring 2013 2nd Series

Newsletter of the UK Heteroptera Recording Schemes

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VALEDICTION!

Ten years have passed since the first Issue of the 2nd Series of *Het News* saw the light of day & this seems an appropriate moment to announce that the present issue is the last that we shall produce! Our sincere thanks go to all who have shown an interest in *Het News* and especially the many contributors - without your articles and notes over the years there could not have been a newsletter. Thank you!

Het News was (is) a private venture. We didn't know what to expect when we launched it as a free downloadable publication. In the event it was well received & has a circulation of 200+, quite respectable for such a specialised publication. This includes a considerable international readership.

What is the future of *Het News*? We don't know! It depends on one or more volunteers stepping forward to take over the job of rounding-up, editing & organising material for future issues.

BSN has done most of the editing & layout over the years, on various Apple Macintosh computers. Initially Micosoft *Word* software was used but this was frustratingly quirky, so we switched to Adobe *InDesign*, which does a fine job but is expensive. The current issue was produced experimentally using Apple's *Pages*, an inexpensive desktop publishing package. This has done the job as well as *Indesign* - spot the differences, if you can!

In conclusion, we are happy to offer guidance & advice but the future of *Het News* is in your hands.

Sheila Brooke & Bernard Nau

RECENT PUBLICATIONS

Book Review: Bärfisar i Sverige-en fälthandbok,

[Pentatomidae in Sweden - a field manual.]

By Carl-Cedric Coulianos.

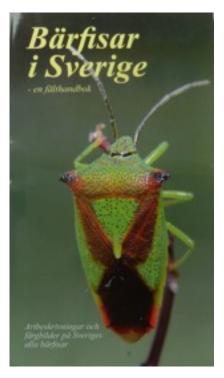
Entomologiska föreningen I Stockholm, 2012, ISBN 978-91-978881-1-0, 127pp, Colour photos throughout, soft cover, ca. £10.

This recent publication by the Entomological Society of Stockholm provides a handy pocket sized guide to the Pentatomoidea of Sweden, accompanied by excellent colour photographs of each species and variable species such as *Piezodorus* lituratus are covered by several photos. For some species nymphs are also shown, providing a useful guide to some species but caution is needed as not all species are shown; so for rarer, closely related species, satisfactory identification is unlikely. The coverage includes all known species of Pentatomoidea in Sweden in the families Acanthosomatidae,

Cydnidae, Pentatomidae, Scutelleridae & Thyreocoridae, comprising a total of 53 species. For each treated species a brief description (Beskrivning) is given, similar species noted (Likande arter), distribution (Utbredning) in Sweden (including a small distribution map), notes on ecology (Levnadssätt) & life cycle (Livscykel).

All eight European species of Acanthosomatidae occur in Sweden and the photographic keys which separate the closely related species of *Elasmostethus* are extremely useful. The juniper shieldbug *Cyphostethus tristriatus* in common with the situation in Britain is now found on a range of cypress species in Sweden, having been formerly confined to Juniperus spp.

Eight species of Cydnidae occur in Sweden, all except Sehirus morio & Microporus nigrita also occurring in Britain, & both of these species are rare in Sweden, with M. nigrita found in only four sites & not recorded since 1953. The very recent British colonist Tritomegas sexmaculatus has not yet been recorded in Sweden & our rarest species, Geotomus punctulatus does not occur in Sweden.



Sweden has a more diverse scutellerid fauna than Britain, a total of six species compared with four extant species in Britain. The Swedish fauna includes two species of *Phimodera*, including one of the few arctic-alpine species of shieldbug in Europe, *Phimodera lapponica* & is useful for determining all species of Scutelleridae which currently occur in Britain. *Eurygaster austriaca*, long extinct in Britain and not found in Sweden, is not included.

The Swedish Pentatomidae fauna is far more diverse than in Britain & include 30 species, although recent colonists to Britain such as *Rhaphigaster nebulosa & Nezara viridula* are not yet present in Sweden, but almost all rare & extinct species in Britain are fully illustrated such as *Chlorochroa juniperina, Jalla dumosa & Peribalus strictus vernalis*, as well as the recent British colonist *Eurydema ornata*, all of which still occur in Sweden.

One of the most valuable aspects of the book is the slightly enlarged photo page of all the species of Pentatomoidea

which occur in Sweden, enabling rapid placing of the species, which can be checked against the photographically illustrated keys at the beginning of each family section, or in some cases genera (for *Sciocoris & Aelia*). Overall an extremely useful guide to this group even if Swedish is not your first language, as the excellent photographs throughout make it a 'must-buy'-and is excellent value too.

Alex Ramsay

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Catalogue of the Heteroptera of the Palacarctic Rogion and it has a training of welling has a welling has a welling has a welling to the base of the b

Supplement for the Palaearctic Catalogue:

Volume 6 of the Catalogue of the Heteroptera of the Palaearctic Heteroptera has been published. It is a supplement to volumes 1-5 (i-xxiii, 1-629 pages), covering the literature up to and including 2011.

Price: 30 Euro + postage.

Series subscribers will get a pro-forma invoice & receive the book after payment.

Others can order a copy from:

Uitgeverij Nederlandse Entomologische Vereniging

Plantage Middenlaan 45 1018 DC Amsterdam The Netherlands administratie@nev.nl

OBITUARY

Jean Péricart, an exceptional entomologist.

On 24th June 2011, Jean Péricart left us. At an age of a little over eighty-three, he succumbed to the effects of a stroke which laid him low in autumn 2010, after a life of exceptional entomological achievement. The *Nouvelle Revue d'Entomologie* had marked his eightieth birthday by dedicating an issue to him (volume 25, part 3, of 28 August 2009).

Attracted to entomology from his earliest years, he took his first steps in the company of his brother & under the guidance of Hustache [a weevil specialist], which led him to concentrate at first on the weevils but then gradually, during the fifties, on the Heteroptera which remained his field of study until the end.

His education, very successful in spite of difficult conditions, gave him the engineering diploma of the *École Supérieure d'Électricité*, and, after military service, he joined *Électricité de France* where he made a career as a research worker & then adviser on nuclear matters to the Director of Study & Research.

His marriage to Monique produced six children. It was therefore as an amateur that he pursued his entomological studies, which makes the size of his achievement even more astounding.

His bibliography consists of more than 150 publications, of which the most important are the ten faunal works that he left us, from that on Anthocoridae published by Masson to the one on Pentatomidae: Podopinae & Asopinae (*Faune de France*, **93**), his final work, which appeared at the beginning of 2010.

But Jean Péricart did not limit himself to systematic studies, but worked just as determinedly at promoting entomology, at first through involvement in the management of the *Société Entomologique de France*, of which he was twice president, in 1975 & 1985, & then general secretary from 1990 to 1996. He left his imprint there, for example by revitalising activities & contributing to the formation of the U.E.F. (*Union de l'Entomologie Française*). But, above all, he revived the series *Faune de France*, dormant since 1966, by finding a sponsor, a base at INRA Montpellier, & directing activities for more than twenty years. Thanks to his actions, the series has already been enriched by twenty-five titles & more continue to be added at the rate of one or two a year.

Finally, he would always find time to assist beginners in entomology, & helped to train many of us, particularly during the field trips that he considered essential for becoming a competent entomologist, & which he undertook as long as his health permitted.

Entomology has just lost one of its own, who gave a new meaning to the word 'amateur', & we have lost a master & a good friend.

Original French text by Philippe Magnien & Armand Matocq in Nouvelle Revue d'Entomologie, 2010-11, **27,** pt 2, p138.

Translated by Roger Hawkins, 2013

HETEROPTERON #39 (March 2013) now available

Newsletter of the Middle European Heteropterists' Workgroup

PDF version can be downloaded from: www.heteropteron.de

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Einleitende Bemerkungen des Herausgebers

Einladung zum diesjährigen Treffen der "Arbeitsgruppe Mitteleuropäischer Heteropterologen"

PETER G. RICKE & WOLFGANG KLEINSTEUBER:

Nachgewiesene Wanzenarten bei den Exkursionen der 38. Tagung der "Arbeitsgruppe Mitteleuropäischer Heteropterologen" im September 2012 in Meisdorf am Harz (Sachsen-Anhalt).

SIEGFRIED RIETSCHEL:

Tingiden aus Bodenfallen vom NSG "Alter Flugplatz Karlsruhe" (Baden-Württemberg).

RALF HECKMANN, MICHAEL MÜNCH & MARTIN M. GOSSNER:

Erste Belege von Elatophilus stigmatellus (Zetterstedt, 1838) (Anthocoridae) aus Baden-Württemberg.

HANS-JÜRGEN HOFFMANN

Zum Vorkommen der Grundwanze Aphelocheirus aestivalis (Fabricius, 1794) in NRW23.

TORSTEN VAN DER HEYDEN:

Apiomerus vexillarius Champion, 1898 (Reduviidae) – eine tropische Schönheit.

TORSTEN VAN DER HEYDEN:

Nachtrag zum Artikel "Bemerkungen zu aktuellen Nachweisen von Heteropteren in Costa Rica, Zentralamerika".

DIETRICH J. WERNER, JOHANN BRANDNER, ANDREAS MÜLLER & MANFRED ZAPF:

Ein Fund von Belonochilus numenius (Say, 1831) (Lygaeidae) in Deutschland mit Diskussion zum Jahr der Erstbeschreibung der Art. CHRISTIAN RIEGER:

Ergänzungen zur Verbreitung von Aradus ribauti E. Wagner, 1956 in Deutschland mit einem Erstnachweis für Hessen.

Wanzenliteratur: Neuerscheinungen

Änderungen zum Adressenverzeichnis Mitteleuropäischer Heteropterologen

ARTICLES

Bulgarian shieldbugs in the southwest mountains & Black Sea coast, June 2012 Alex Ramsay

Attendance at the 6th European Hemiptera congress at Blagovegrad on the 25th-29th June 2012 enabled me to spend some time familiarising myself with the shieldbugs of Bulgaria. Mikael Josifov wrote the definitive guide to shieldbugs in Bulgaria under the Fauna Bulgarica series (Josifov, 1981) & includes all species known to occur in Bulgaria. Bulgaria contains one of the richest Pentatomid faunas in Europe, with many species occurring at the western limits of their range in Bulgaria.

The conference at Blagovegrad in southwest Bulgaria was easily reachable by train from Sofia, providing a relaxing start to the conference, & was well attended with many delegates from all parts of Europe. Mid week was the event some of us at least had been waiting for-the field trip to the mountains of southern Bulgaria. The excursion began at Kreshna gorge, with a mass exodus from the bus & every hemipteran group rapidly collected. Over 400 species of Heteroptera have been recorded from the gorge, including 12 species for which the gorge is the type locality.

Some of the highlights here were non-hemipteran & included an adult of the spectacular predacious bushcricket *Saga natoliae*, which was photographed numerous times 'paperazzi' style, & several *Palpares libelluloides*, a large ant-lion with distinctly spotted wings, which in contrast proved frustratingly difficult to photograph.

After our morning session we adjourned to a picturesque restaurant where the owner generously supplied all of the participants with a bottle of locally produced red wine following an excellent lunch.

The afternoon session began in the Rohzen monastery, where we were fortunate to be given a blessing for our endeavours by the local monk. The dry grasslands in this area (Figure 1) provided numerous exciting species of shieldbug including *Codophila lunulata*, *Codophila varia*, *Staria lunata*, *Sciocoris sulcatus*, & *Stagonomus bipunctatus* with only a few sweeps of the net. Some of us embarked on a trek south from the monastery through the spectacular scenery of the Melnishki Piramidi, collecting on the way. The large predatory *Jalla dumosa*



Figure 1 Dry grasslands at Rohzen Monastery



Figure 2 Jalla dumosa, Rohzen, 27th June 2012

(Figure 2) was recorded by early collectors on the track, but a good range of species was still recorded by sweeping, including a range of *Aelia* species & the ever ubiquitous *Piezodorus lituratus* & *Dolycoris baccarum*, both swept from a species of tall legume which grew plentifully at the margins of the sandy tracks through the gorge.

On arrival in Melnik at the end of the trek, in the town square a specimen of the largest European shieldbug, *Mustha spinosula* was recorded - this handsome species occurs only within the Balkan peninsula in Europe, & is likely to have derived from the immense Plane tree which dominated one side of the square.



Figure 4 *Graphosoma semipunctatum*, Black Sea coast, 30th June 2012



Figure 3 *Stibaropus henkei* Akrotiri Dunes, 30th June 2012

As a follow on, a trip to the Black sea coast by overnight train provided an opportunity to sample coastal species, the highlight of which was the locating a few specimens of one of Europe's most unusual & rare cydnids, the chestnut brown *Stibaropus henkei* (Figure 3), which is associated with marram grass tusssocks on foredunes. After much digging (adults & nymphs can be found up to 0.5m below tussocks) a few specimens were eventually located by their distinctive 'bug' smell on the dunes at Akrotiri to the south of Sozopol. There are sadly very few places where this distinctive species can now be found along the Black Sea coast due to obliteration of its coastal habitats by unrestricted development.

Elsewhere along the coast it was unusual to see both *Graphosoma lineatum italicum & G. semipunctatum in close* proximity, although G. lineatum was confined to umbellifers growing in woodland clearings, whilst G. semipunctatum could be found on umbellifers growing on exposed coastal grassland (Figure 4). The juxtaposition of habitats in close proximity meant that both species could be located within 100m. Other coastal shieldbugs recorded in coastal areas (although not confined to coastal areas) included Ancyrosoma leucogrammes, both adults & nymphs frequent in wild carrot umbels, & Pscasta exanthematica equally common on Echium spp. Specimens of Nezara viridula were recorded on thistles in the remnant hind-dunes at Sozopol, a species which has apparently only recently become established in Bulgaria, but is now widespread in many parts of Bulgaria (Simov et al. 2012).

Acknowledgements

My thanks to Nikolay Simov for providing much useful information on Bulgarian shieldbugs, especially on locating *Stibaropus henkei*, & to Susanne Grube for allowing me to photograph *Jalla dumosa*.

References

Josifov, M.V. 1981. *Heteroptera, Pentatomoidea*. Fauna Bulgarica 12. Academy Scientiarum, Bulgaria, Sofia.

Simov, N., Langourov, M., Grozeva, S., & Gradinarov, D. 2012 New & Interesting Records of Alien & Native True Bugs (Hemiptera: Heteroptera) from Bulgaria. *Acta zool. bulg.*, **64 (3)**, 241-252.

Heteroptera & Chalara dieback disease of Ash (Fraxinus excelsior) Alan Stubbs

Chalara dieback of ash trees (Fraxinus excelsior) is a serious disease of ash trees caused by the fungus Chalara fraxinea. It causes leaf loss & crown dieback in affected trees, & usually leads to death of the tree. Infected Ash trees have been found widely across Europe since 1992 & include forest trees, ornamental trees in urban parks & gardens, & young trees in nurseries.

In February 2012 it was found for the first time in the UK, in a consignment of trees sent from a nursery in the Netherlands to a nursery in Buckinghamshire.

By October 2012, the Food & Environment Research Agency (FERA) had confirmed cases in Norfolk & Suffolk which did not appear to be associated with nursery stock. These cases were in ash trees in the wider natural environment, including established woodland, Further similar finds have since been confirmed in Norfolk & Suffolk & in Kent, Essex & other counties.

There is concern that this disease may seriously reduce the Ash tree population, as happened to Elm trees (*Ulmus* spp) in the 1970s due to another fungal disease which spread rapidly across Britain.

In view of this situation it seems useful to note the Heteroptera species associated with Ash trees. I therefore compiled the following species notes, mainly from the literature.

(The introductory notes above were compiled from the Internet by BSN)

TERMINOLOGY

The terms listed below are used with special meanings on the line following each bug species' heading, they are defined as follows:

Ash: "sole foodplant becomes extinct if ash becomes extinct (in a district or nationally)."

Ash important: "main foodplant, or only 1 or 2 other options, if present in a district"

Ash significant: "one of a limited number of alternatives so bug unlikely to face extinction in a district. Invertebrate populations would decline in abundance in woods/ districts where ash is currently the predominant tree species."

MIRIDAE

Brachynotocoris puncticornis

Ash.

Adult July- August. Recent arrival in Britain.

Psallus flavellus

Ash.

Adult mid July. Widespread & common.

Psallus lepidus

Ash.

Adult mid June- early September, possibly as 2 generations. A brachonid is a parasite of nymphs. Widespread & common.

Orthotylus tenellus

Oak. Also ash & hazel, partly predaceous. Adult late June- August. Feeds especially on catkins. Widespread, common.

Orthotylus nassatus

Lime & oak. Sometimes Ash & Willow. Adult mid July-August (or September). Widespread.

Pseudoloxops coccineus

Ash only, especially large trees with plenty of fruits. Eggs overwinter. New generation adults appear in August. Parasitised by a brachonid. Mainly Midlands & south.

Pinalitus cervinus

Lime & ivy. Less numerous on ash, hazel,. Adult late Julyearly September, probably as 2 generations.

Phytocoris tiliae

Polyphagous. Especially on ash, oak, lime & apple. Mainly predaceous, feeding on such as caterpillars, ladybird pupae & red spider mites, & are well camouflaged. Eggs overwinter on young wood of the host tree, & hatch the following early June to early August; adults can be found from the end of June to late October. Adults late July-October. Widespread & common.

Phytocoris populi

Polyphagous. Mainly on poplar; occasionally ash, oak, alder. Adults & larvae are mainly predaceous, feeding on bark-lice & plant-lice on trunks & twigs, & are well camouflaged. Adults late July- October. Widespread.

Tropidosteptes pacificus

Ash. Adults in two generations, June & September. First reported in 2012, north London. A North American species that in now breeding in Britain (and likely to become permanently established as part of the British fauna).

ANTHOCORIDAE

Anthocoris amplicollis

Ash. Rarely on other trees. Mainly found in a small area of the southern edge of the N York Moors; also Northants & Surrey.

Anthocoris simulans

Ash. Occasionally wych elm & maple. Common on ash. First recognised in Britain in 1954 (as minki), now widespread.

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New Irish Hemiptera checklist:

An annotated checklist of the Irish Hemiptera & Small Orders.

O'Connor, J.P. & Nelson, B. (2012)

Irish Biogeographical Society, 151pp.

Update from ireland Brian Nelson

It is a few years since I reported on Heteroptera in Ireland for *HetNews* & the following is a very selective account of the events of significance over the last 3-4 years. In general progress remains painfully slow - there simply are too few active Heteropterists in Ireland & I would like to avoid summarising my own efforts.

The first item is to report that there is now no entomological expertise in any Irish museum. This is perhaps of peripheral interest & is not unique to Ireland, but it does have inevitable consequences on maintenance & access to collections. & it also makes it difficult to persuade people that vouchers should be kept & placed in an accessible collection (something that I would demand as a condition of a contracted piece of work). Whether this will be rectified soon is unlikely given the current funding climate.

To balance this negative item, there have been a few positive developments which hopefully will increase interest in the group & develop more expertisee:

1. Online availability of all the Irish Heteroptera records:

These are available through the website of the Irish National Biodiversity Data Centre (NBDC) based in Waterford. www.biodiversityireland.ie. Some 10000 records are available from the whole island of 282 species. The database is maintained by myself for the NBDC & it is hoped that annual updates will be made. Aquatic species dominate the database, & there is much potential for improved coverage of terrestrial & arboreal species. There are some interesting statistics displayed on the system (choose the browse datasets option)

2. Training courses.

I held one on aquatic & semi-aquatics at the NBDC in 2011 & more may be held in 2013. One on shieldbugs & perhaps an introductory one on to the Heteroptera in general have been suggested.

3. A guide to Irish shieldbugs & related families

This is in preparation by the NBDC as one of their Swatch products.

4. The final part of the checklists of Irish insects

This was published in 2012 & includes the Hemiptera. It is published by the Irish Biogeographical Society.

My own recording this year has been mixed. I did relatively little on aquatics but made a more determined effort on non-aquatic species.

Highlights were my second Irish record of *Microvelia pygmaea*, at the edge of a *Cladium* swamp around a small lake on the eastern edge of the Burren. Specimens were found in May when some open water was accessible, but an attempt in August when water levels were much lower was defeated by the impenetrable *Cladium*. A specimen of *Limnoporus rufoscutellatus* was some consolation, although what it was doing in the middle of a *Cladium* bed is hard to fathom.

August 2012 brought some dry weather, so I brought out my garden vac to do some suction sampling. This had been barely used in 2011 so I did a quick test in my own garden to check it still worked. This produced the first

Irish record of *Megaloceroea recticornis*. More specimens were easily found in the local area, so initial concern it may have been an introduction was quickly dispelled. However how long it has been here without being noticed is impossible to answer.

Other notable records over the past few years include the following

- 1. *Alydus calcaratus* Roy Anderson collected this in 2008/2009 at its only Irish locality in Co Down confirming its continued presence.
- 2. *Berytinus montivagus* new to Co Down; previously only known from the Burren.
- 3. Cyphostethus tristriatus more records from a small area around Lough Derg, Co Tipperary where easily found on the upright Junipers. Botanists conclude that there is no consistent difference between the prostrate, intermediate & upright types of Juniper in Ireland, so why the shieldbug seems only to be on upright plants is puzzling (Cooper et al. 2012 The conservation status of juniper formations in Ireland. Irish Wildlife Manuals, No.. 63 www.npws.ie/publications). I have searched for it on prostrate Juniper in the Burren & elsewhere without success, so it is not due to biased sampling. It could make an interesting student project to look at the whole range of the growth forms to see which ones support the shieldbug.
- 4. *Fieberocapsus flaveolus* new to Co Down; previously only in Dublin & Galway.
- 5. *Kleidocerys ericae* second Irish record, in Co Down.
- 6. *Megaloceroea recticornis* three sites in Co Armagh,; new to Ireland.
- 7. *Macrolophus sp*. I collected my first *Macrolophus* this year. Still not resolved which species it is but appears to be *rubi* which would be a first Irish record. This genus does however appear to be tricky!
- 8. *Orthotylus prasinus* Keith Alexander found this is Roscommon & I collected it in the Burren. Undoubetdly underrecorded the only previous Irish records were from Co Kerry.
- Pachytomella parallela Co Mayo; first Irish record since 1929.
- 10. *Palomena prasina* the northward expansion of this species continues & it is now easy to find as far north as Lough Neagh.

Finally, I would welcome any records of Irish Heteroptera to add to the database, & if anyone is contemplating visiting, please feel free to contact me for advice or information.

Brian Nelson, National Parks & Wildlife Service, 7 Ely Place Dublin 2 brian.nelson@ahg.gov.ie

Heteroptera on Islay in 2011 - a brief account & impressions of this Scottish island Brian Nelson

I paid my first entomological visit to a Scottish island when I went to Islay in the last week of July 2011. It was one of the best weeks of that indifferent summer, mostly dry & sunny although not especially warm. My recording appears to add several species to the Islay list.

Islay is the closest Scottish island to Ireland, so I was interested to see how the Heteroptera & its habitats compared with those familiar from home in Ireland, but the main purpose of the visit was to investigate the entomology of two reserves: Smaull Farm & The Oa. The emphasis was on aquatic species. Visits were made to a few other localities sampled opportunistically.

Smaull Farm on the west coast has areas of wet heath & modified bog, coastal grassland & arable. It contains part of Loch Corr (noted for its water beetle fauna). There are two small valleys draining heaths west of the lake, the most interesting, Gleann na Muchdalaich, contains a mossy mire at Dun Bheolain. The Oa is an elevated coastal site with heath & blanket bog & several lakes.

There are few records of aquatic bugs from Islay – most of those in the 2003 provisional atlas (Huxley 2003) seem to derive from a visit by Tom Huxley specifically to improve coverage. Other records can also be found in Dolling (1983) & Huxley (1997) & the NBN Gateway. The number of species recorded from Islay is between 28 & 30 according to the list in Huxley (1997). Table 1 lists the species recorded during my visit. The total of 17 aquatic & semi-aquatics is well short of the total for the island but July is not ideal as many species are between generations. Nevertheless several appear to be new to the island. As aquatic habitat on Islay is common much recording remains to be done.

Hebrus ruficeps is particularly interesting as this appears to be the first record from any Scottish island & even on mainland Scotland it is extremely scarce. From an Irish perspective, the record is less surprising, as it is found right along the western seaboard in lakes & fens on machair plains. I suspect it could also be found on the Outer Hebrides at the edge of machair lakes.

Corixa punctata has been reported from Islay before but Tom Huxley considered, perhaps correctly, that the records referred to C. Iberica. C. punctata may have spread to the island recently as, in the 1980s, I found iberica on Fair Head & Rathlin Island in north Antrim, but in the last 5-6 years I could only find punctata! However this does not tally with what Robert Angus has written about these two species. C. iberica is an interesting species that deserves more attention simply because of its peculiar global distribution. An study of the two species across their range in western Scotland & Ireland really is needed.

Of the wetland habitats I visited, the Heteroptera were mostly as I expected, but some lakes had virtually no Heteroptera, which was difficult to understand. The low variety of semi-aquatic species is probably the most striking difference from similar habitats in Ireland. I saw no reason why *G. odontogaster* should be absent & I would not have been surprised if I had seen *Gerris argentatus* or *L. rufoscutellatus* on Loch Corr. *G. argentatus* is probably too southern but Islay is well within range of *L. rufoscutellatus*. There would also appear to be plenty of habitat for

G. costae on Islay, but I did not come across it, & only one dot is shown in Huxley's atlas. Similarly, I would have expected *Hydrometra stagnorum* & *Microvelia reticulata* to somewhere in the habitats I visited - perhaps with time & more recording they will be found.

In general Islay is a wonderful contrast to modern-day Ireland in particular for the richness & number of birds on the farmland. There are not many places where after a few days the sight of a male Hen Harrier loses its novelty!

A short paper with fuller details of the entomology has been prepared for the *Glasgow Naturalist*.

Table 1 Heteroptera recorded on Islay July 2011.

{* species apparently new to Islay)

Species	Comments
Hebrus ruficeps*	Apparently 1st from any Scottish island.
Gerris lacustris Gerris thoracicus	Most commonly seen species but this reflects habitats visited
Velia caprai	
Nepa cinerea Notonecta obliqua	5 sites; no <i>N. glauca</i> seen although habitats seemed more suitable for it. Appears to be new to Islay or at least confirm
Micronecta poweri * Glaenocorisa propinqua cavifrons	an old record One record from Loch na Beinne on The Oa
Corixa punctata *	Appears to be new to Islay
Hesperocorixa castanea	
Hesperocorixa linnaei	
Callicorixa praeusta	
Callicorixa wollastoni	Loch na Beinne on The Oa
Sigara dorsalis	
Sigara nigrolineata	
Sigara scotti	
Sigara venusta	Common in streams
Chartoscirta cincta *	Apparently new to Islay 3
Salda littoralis *	Apparently new to Islay
Saldula palustris *	Apparently new to Islay from Loch Gruinart
Saldula saltatoria *	Apparently new to Islay
Closterotomus norvegicus	
Cyrtorhinus caricis	
Leptopterna dolabrata	
Pithanus maerkeli	
References	
Dolling, W.R., 1983). Hete	roptera of the far north of Britain. HetNews (Firs

Dolling, W.R., 1983). Heteroptera of the far north of Britain. *HetNews* (First series) **1**, 14-18

Huxley, T., 1997. The distribution of aquatic bugs (Hemiptera-Heteroptera) in Scotland. *Scottish Natural Heritage Review,* No **81**

Huxley, T., 2003. *Provisional atlas of the British aquatic bugs (Hemiptera, Heteroptera)*. Huntingdon: Biological Records Centre.

Brian Nelson, National Parks & Wildlife Service, 7 Ely Place Dublin 2 brian.nelson@ahq.gov.ie

SPECIES REPORTS

MIRIDAE

Closterotomus trivialis in N of England Jim Flanagan

On 12th June 2012 I swept some small stands of meadowsweet-rich vegetation on a gravelly stoney substrate beside Lake Windermere, at Bowness-on-Windermere (SD4096, vc 69, Westmorland). I obtained one bug & was stunned to find it was *Closterotomus trivialist*!

Further sweeping produced no further indivduals. This is the first record for Cumbria, unless anyone knows differently. Herewith is a photograph of the specimen.

This is a northward extension of the bug's UK distribution. It was first found in Britain in 2008, in inner London gardens (Tristan Bantock, *Het News* **15**, p3). Subsequently, it was recorded in 2011 from Sheffield (vc 63, SW Yorkshire) by Derek Whiteley.

Tristan Bantock adds: In 2011 there were records at multiple sites in the London area, four new sites for the bug. The

species seems to be well-established, as follows:

Crouch End (original population), South Kensington (NHM), & Chiswick (all vc 21, Middlesex).

Batttersea Park, Wimbledon Common; & Merton Park (vc17, Surrey).

Also, on 5th June 2011 Rob Ryan recorded it at New Marston Meadows in Oxford (SP5208, vc23) (*Ent.Rec.*, **124**, pp 277-278 (Nov/Dec 2012).

TB also commented that "the initial apparent association with *Hypericum* 'Hidcote' was a red herring; the bug is evidently polyphagous". At Wimbledon Common he found several on Umbelliferae & swept a number from sallows & rosebay willowherb, suggesting that the species is possibly moving onto native flora.

<u>Jimflanagan@btinternet.com</u>

Tropidostethus pacificus (Van Duzee,1921)

This N American arboreal mirid was found at Alexandra Palace, North London, on mature Ash (*Fraxinus excelsior*) in June & September 2012 (T. Bantock & A. Stewart, *British Wildlife* **24**, 4, p277, April 2013). It is a N American species known in The Netherlands since 2007 (Aukema,B., et al 2009, *ZooTaxa*, 2135, pp 65-68, 2009. In English). The *Zootaxa* paper includes a comprehensive description, drawings of genitalia & a coloured photo of an adult.

[BSN]

Zygimus nigriceps still in Speyside Roger Hawkins

This northern speciality was found in Speyside, again, in 2012: in late July by Keith Alexander in upper Glen Feshie & Rothiemurchus Forest; then on 27th July by Roger Hawkins at Drake's Bothy (NH884056), on the edge of the Inshriach Forest but within the national nature reserve. The small green bugs with black thorax were very active & only found on well-grown junipers close to ancient pines. There were none on smaller junipers in clearings & rides within pine plantations. If the bug is predatory, the abundant sawfly caterpillars on the junipers might be a

prey item. I plan to place a pair of these bugs in the BENHS collection at Dinton Pastures.

rogerdhawkins@hotmail.co.uk

[BSN: Another recent record was two found by Joe Botting on 2nd September 2010, near Dundreggan just N of Loch Ness.]

Scarce mirid ant-mimics in S of England in 2011 Jonty Denton & Scotty Dodd

Myrmecoris gracilis was recorded by JD & S on 25th June 2011 from Eelmoor Marsh (SU8353, vc12, N Hampshire): an adult was swept & another suction sampled in an open rough heathy area. On 20th July 2012, JD found specimens at White Moor, Lyndhurst (SU3108, vc11, S Hants) on open, grazed heath,

Systellonotus triguttatus (L.) On 7th June 2011 SD swept several from either side of Wish Stream at Wishmoor Bottom, Camberley, on the Surrey/Berks border (SU8762) - i.e. In both VC 17 & VC22 (SD). Also, from Eelmoor Marsh (SU8353) by JD on 25th June 2011 amongst rosettes growing out of old tarmac areas.

Jonty Denton 31 Thorn lane, Four Marks , Hants, GU34 5BX Scotty Dodd, 14 Scott Close, Stoborough Green, Wareham, Dorset, BH20 5B

Chlamydatus evanescens in Oxfordshire Rob Ryan

RR reported finding two adults with nymphs, on *Sedum* at Bradfield Grove Airfield, near Carterton (SP248065, vc23 Oxfordshire), on 17th June 2012. The adults (males) were barely 2mm long, he was presently rearing a dozen nymphs. This is a new species for the vice-county.

Conostethus venustus update from Derbs. & S Yorks. Jim Flanagan

Conostethus venustus seems to have resisted everything the weather has thrown at it this year in this area. Earlier in the season I found it new to Derbyshire on a brownfield site at Stavely (SK47, vc 57), a new vice-county record..

In Yorkshire I found it on a track through an arable field near Pontefract, at Purston (SE4319, vc 63, SW Yorkshire) & during late August at a former colliery site on the edge of Thorne Moor (SE71, vc 63). At this latter site it was very abundant on Scentless Mayweed! I feel sure that it has probably already extended its range southwards to south Derbyshire & Leicestershire.

Surprisingly, *C. venustus* was still around in mid-November. On the 13th of that month I was on a wind turbine site where there were gravel/hard-core access tracks, beginning to vegetate. One of these had a single flowering Scentless Mayweed plant with green prostrate leaves which I thought could harbour bugs if it were the season for them. I lifted the leaves & was astonished to find two adult *C. venustus* - a gravid female & a male. On 14th November, I tried my luck at another location, a cafe layby on the A616 trunk road to Manchester. Here, on disturbed ground, there was an abundance of flowering & flowerless Scentless Mayweed plants with green leaves. A five minute search produced a late-stage nymph and an adult male.

I suspect these late individuals resulted from delayed maturity due to the poor weather we had for much of the main bug season. Previously the latest dates I have recorded for this bug, in three seasons of recording it, was 2nd September this year, & in 2010. Possibly, at these particular locations, the ambient temperature was higher & hostplants able to flower & survive later, due to a) effects of the wind turbines & b) vehicle exhaust emissions from the busy road. Perhaps bug populations

which experienced delayed maturity dispersed to such sites.

One conclusion is that the record-cleaning software which Recording Scheme Organisers are helping BRC develop must be a flexible beast so that it can be made to take account of advances in knowledge of species (in addition to changes in distribution, host plants etc.).

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Tuponia spp. on the North Essex coast, and a quick way to find them.

On 10th October this year I took a walk along the cliffs of north Essex between Clacton-on-Sea and Holland-on-Sea (TM1815, TM1915, TM2015). This area has been extensively altered in line with its popularity as a seaside resort, the cliffs having been stabilised by the planting of exotic shrubs including Tamarisk (*Tamarix* sp.).

At this time of year the pink Tamarisk flowers are beginning to go over and, being netless, I hit upon a quick method of looking for the introduced *Tuponia* spp..

By grasping the base of the flower heads with one hand and gently drawing the cupped hand over the flowers any insects are dislodged into the palm of the hand where they can be tubed or 'pooted'. At this time of year the bugs are perhaps more sluggish due to the cooler temperature, so I cannot vouch for the success of this method earlier in the year!

However, in this way I was able to record both *T. mixticolor* and *T. brevirostris* at several localities along the coast. On some bushes both species were present whilst at others only the former was found (at TM2015). Virtually all bushes examined also supported the leaf hopper *Opsius stactogalus* Fieber which was also evident in the webs of *Araneus diadematus* and other arachnids.

Encouraged by these findings on October 24th, I visited the cliffs between Harwich and Dovercourt where Tamarisk has also been planted and found both *T. brevirostris* and *O. stactogalus* at Beacon Cliff (TM2631) and *T.mixticolor* at Dovercourt Bay (TM2530).

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ANTHOCORIDAE

Decline of *Buchananiella continua* – consequence of wet season?

Keith Alexander

One of the striking features of the 2012 field season – apart from the almost incessant rain – has been the virtual absence of *Buchananiella continua* from sites where I would now expect to find it. I found it only once, at Warfield, Berkshire (SU8770), 11.vi.2012. In contrast I found it at three sites in 2011 & 9 in 2010. This data is clearly very noisy but might suggest a decline in abundance and/or range. The 2012 field season was also notable for a severe decline in abundance of its main food items, barkflies (Psocoptera), which always seem to vanish when it is raining. So, a collapse in the biomass of its food, & a marked decline in its own abundance. This does seem to be a consistent story. I would be interested to hear how other recorders got on with this interesting bug. Did other species suffer from the poor conditions?

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LYGAEIDAE

Arocatus longiceps spreading out from London Nigel Willits

On 25th October 2012 NW wrote to BSN saying he thought he had found an adult *Arocatus longiceps* the previous day at The Lodge, Sandy (TL188480, vc 30, Beds). Adding that there were no plane trees in the immediate vicinity of where he found it (on a fence-post), but there were a few within 150-200m. The head & scutellum were largely dark; the dark patch on the corium was large & roughly triangular, leaving a narrow red fringe. The red on the pronotum was mostly confined to the anterior border. Two-thirds of the underside of the abdomen was bright orange. He thought these characters ruled out *C. hyoscyami*, which had become quite frequent in the county in the last few years.

The bug was very lively, even after a night in the fridge, so photography of the live bug was tricky. But he included photographs (see example below). The identity was confirmed by BSN who also confirmed it to be a new species for vc30, Bedfordshire.

willits1960@hotmail.com



Continuing with this *Arocatus longiceps* theme: Amoret Spooner (Oxford University Museum)

wrote to Jim Flanagan in mid-December 2012 to report that the species had been found recently in & near OUM. Pete Johnson, a handy-man in the museum had found two live specimens in his office in the basement of the museum. AS recognised these as *A. longiceps* having seen the species in Prague. He froze, pointed & photographed the specimens. Then, knowing the host plant to be plane trees, they had searched some of these trees directly outside the museum & had found an abundance of *A. longiceps* on them!

He had sent a photo to JF who had confirmed the bug's identity & noted that it was the 1st for vc23, Oxfordshire. **Peter Kirby** found this species in Cambridge city in 2012 - the 1st for for vc29, Cambridgeshire.

Eremocoris fenestratus in N of England Tristan Bantock

There was an anonynous report of *Eremocoris fenestratus* photographed on 22nd May2012 in Yorkshire (SK4384 8586, vc63 SW Yorkshire). The site was an urban roadside in the vicinity of a brick bus-stop at Fence, a former mining village SW of Aughton, near Sheffield. There was a convincing photograph of the bug on the Flickr website at: www.flickr.com/photos/fence_s13/7254109266/

tristanba@googlemail.com

Aphanus rolandri host-plants Andy Foster

On 6th January 2012 AF wrote saying: I was interested to read the note on *Aphanus rolandri* in the latest *Het News*, &

it's possible association with fumitories. I have only encountered this bug on two occasions, once from an allotment & once from arable set-aside, but on checking my notes fumitory was present on both occasions - although no direct association was noted. The records are: 19th May 1998, Woolacombe, Devon, SS471437, garden

vegetable plot/allotment ;

3rd August 2004, Kingston Lacy Estate, Dorset, ST973027, arable set-aside with abundant arable weeds.

Andy.Foster@nationaltrust.org.uk
Andy Foster, The National Trust I

COREIDAE

Arenocoris waltlii again in W Suffolk Richard Dickson

RD wrote to say he had confirmed a specimen of **Arenocoris waltlii** found by Paul Brock at Rampart Field, East Suffolk, on 9th June 2012, it was found with **A. falleni**. at the same site as these were recorded in 2011.

[BSN: I visited Rampart Field in warm sunshine on 12th May 2012 but no ground bugs at all were to be seen at the exact spot where *Arenocoris* spp et al. had been so numerous when I visited the site on 5th July 2011 with Tristan Bantock & Stuart Read.]

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CYDNIDAE

Canthophorus impressus on Salisbury Plain Steve Covey

On 5th April 2012 SC e-mailed to say that he had just found this shieldbug on Great Cheverell Hill SSSI,

Salisbury Plain (ST9752, vc 8, S Wiltshire). This is a stronghold of its very local food plant, Bastard Toadflax, but finding this was like searching for the proverbial needle in a haystack!

He had visited the site to look for Marsh Fritillary larval webs to photograph when by chance he saw a metallic blue 'beetle' scurrying around in the short turf & almost dismissed it. Then one came out into the open & the penny dropped! Altogether he saw 10 or more on quite a small [10m] length of sheep terracing, so there must be quite a healthy population on the site.

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ACANTHOSOMATOMIDAE

Elasmucha ferrugata in Yorkshire (correction) **Jim Flanagan**

There was a problem with the *Elasmucha ferrugata* article in *Het News* **12**, p20., the following text was omitted from the beginning of the third paragraph:-

"Fordham (1921: 334) gives two records for Yorkshire. His entry for this species, in full, is: 'E. ferrugatus F. Bradford, July, 1889, J. W. C. (E.M.M., 1909, p. 197). Leeds Market, on bilberries, W. D. R. (Mr. Butterfield suggests the possibility that the bilberries were Continental)."

The incorrect version of *Het News* on the website was replaced after a couple of days with a corrected version, but some readers will have the uncorrected version.

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AROUND THE BRITISH ISLES

Bedfordshirevc 30

Main features of 2012 in the county Bernard Nau

The cool damp weather of the previous autumn would have inhibited development of many nymphs destined to form the spring generation of adults in 2012; & in early summer 2012, exceptionally heavy rains with associated low air temperatures must have caused high mortality of summer nymph populations. Consequently, adult populations of many species were quite exceptionally low this year. However, the year did produce two new species for the county list, bringing the all-time total to 399; there have been new species every year for eight consecutive years now!

Additions to the county list in 2012

Brachysteles parvicornis On 27th June 2012 a female was shaken from a dead branch of a Hawthorn bush at Willington Quarry (TL100505), the branch was encrusted with grey lichen. It is an inconspicuous under-recorded bug with scattered records from the south & east of England. It is dark brown, about 2.5 mm long, feeds on orobatid mites, & may be found in almost any of the diverse habitats where these mites occur.

Arocatus longiceps On 24th October 2012 Nigel Willits found one of these on a fence post on Sandy Heath & I confirmed his identification from a photograph.

Some comments on other species

Halticus luteicollis: numerous & widespread on its usual host, Goosegrass (*Galium aparine*), but in Maulden Wood

on 23rd July it was also common on Meadow Vetchling (*Lathyra pratensis*) along woodland ride verges.

Placochilus seladonicus: it is several years since I have seen this at a new site in the county but on 18th August I swept two females from a field margin on Pegsdon Common, on its normal host Field Scabious (*Knautia arvensis*). It used to be found about 1km to the south, in a large coombe in Pegsdon Hills but grazing has eliminated the host-plant there.

Psallus spp.: I have never seen so few! They are usually abundant, arboreal species. Just one example of a species affected by the adverse weather!

Eurygaster testudinaria: I swept one in Maulden Wood on 31st August 2012, from managed grass heath. It was also found on the lower slopes of Blows Downs by Peter Kirby during an invertebrate survey. Both are new sites for this very recent addition to the county fauna.

A rare high point was a visit to Bedford Town Park on 9th September, to examine, for bugs, a long perennial flower bed that bisects this traditional Victorian ornamental park. This yielded, among other bugs, six species of 'shieldbugs & allies', including Corizus hyoscyami & Gonocerus acuteangulatus - although not Macrolophus geranii Josifov that I was hoping to find on its host-plant, Geranium macrorrhizum, there was plenty of this in flower. However I was surprised to find good numbers of nymphs, tenerals & some adults of a near relative, Dicyphus errans - not an uncommon species but usually only in ones & twos.

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SW YorkshireVC63, 64

Jim Flanagan

A male *Closterotomus trivialis* was identified in a batch of Hemiptera collected by Derek Whiteley on 1st June 2011, from SE Sheffield at Owlthorpe Meadow (vc64, SK4182).

Two corrections to be made to records for 2010, in HN16, are as follows:

'Stictopleurus abutilon' from Thorne Moor (vc63) by Andy Godfrey should read Stictopleurus punctatonervosus.

'Coreus marginatus' reported from Ledstone Ings in NW Yorkshire (vc64) by Joe Botting should read Coriomeris denticulatus.

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Yorkshire & Durham......VC61, 62, 64, 66

Some water bugs in in 2011

Martin Hammond

In April, former gravel pits at Staveley West Lagoons near Knaresborough (vc 64, SE36) produced good numbers of *Cymatia bonsdorffii*. This species, which is still very local in North Yorkshire, was first recorded at the site in 2006, suggesting that it is now well-established.

A survey of Rossett LNR in Harrogate (vc 64, SE25) produced all four Notonecta species, with multiple records suggesting that all were probably breeding. The site is a complex of clay-bedded lowland ponds of neutral pH but is presumably sufficiently close to the Pennines to recruit *N. obliqua*. Despite several visits to this site, there was no sign of Gerris gibbifer, which was not uncommon there in 2001/2002.

A survey of the River Derwent at Stamford Bridge on the vc 61/62 boundary produced *Apheloceirus aestivalis* at its best known Yorkshire station. One of them decided to stab me, producing a level of pain which makes a *Notonecta* 'nip' seem mild.

In October, *Ilyocoris cimicoides* was abundant in a shallow, mildly brackish lagoon at the RSPB's Saltholme reserve (NZ52) in the south of vc 66 (County Durham). This is the 3rd location for the species on Teesside that I know of (the 1st record coming from Portrack Marsh NR in 2009). Both larvae & mature adults were present. Although at the northern limit of its range here, Ilyocoris has apparently not suffered from two successive hard winters; perhaps slightly brackish, coastal ponds provide an advantage in such situations?

Finally, numerous *Sigara scotti* were a nice find in a recently excavated peaty pond on Towthorpe Common (part of Strensall Common SSSI) in the Vale of York (vc 62, SE65). This is a species I very rarely encounter in Yorkshire or the north-east despite a fair amount of collecting in the uplands. Nearby, non-acidic fen pools at Askham Bog SSSI (vc 64, SE54) produced *Sigara semistriata* & *Hesperocorixa castanea*.

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Channel IslesVC 113

Heteroptera on Jersey

Jerry Bowdrey

During a week's holiday in the Channel Island of Jersey between 27th August & 2nd September2011 the following species of Heteroptera were noticed whilst enjoying the varied scenery of the island:

PENTATOMIDAE

Nezara viridula - Grouville Royal Golf Club 2nd Sep. 2011, late instar nymphs on *Lavatera* sp.

Palomena prasina - Gorey Castle 28.viii.2011

Piezodorus lituratus - Queen's Valley Reservoir 29th Aug. 2011

Eurydema oleracea - St Ouen's Bay, on beach 1st Sep.2011

COREIDAE

Coreus marginatus - Grouville Royal Golf Club 2nd Sep. 2011, on *Lavatera* sp.

ALYDIDAE

Alydus calcaratus - Gorey Castle 28th Aug.2011

PYRRHOCORIDAE

Pyrrhoceras apterus - Gorey Common and Grouville Royal Golf Club 2nd Sep.2011, both on *Lavatera* sp.

Jerry Bowdrey, Fair View, Colchester Road, Thorpe-le-Soken Essex CO160LB jeremybowdrey@btinternet.com

RECORDING

Vice County #	Vice County name	Scope	Contact	Contact address
VC 1 & 2	Cornwall, W & E	inc. Scilly Is	Keith Alexander	keith.alexander@waitrose.com
VC 3 & 4	Devon, S & N		Keith Alexander	keith.alexander@waitrose.com
VC 9	Dorset		lan Cross	I.Cross@dorsetcc.gov.uk
VC 10	Isle of Wight		David Biggs	76 Albert Rd, Gurnard, Cowes, Isle of Wight, PO31 8JU
VC 11 & 12	Hampshire, S & N		Jonty Denton	<u>JontyDenton@aol.com</u>
VC 13 & 14	W & E Sussex		Peter Hodge	<u>peter.j.hodge@tesco.net</u>
VC 15 & 16	Kent, E & W		vacant	<u>JohnBadmin<jbadmin@btinternet.com></jbadmin@btinternet.com></u>
VCs 16-21,24pt	London Nat Hist Soc area	20ml radius from St Paul's	Tristan Bantock	tristanba@googlemail.com
VC 17	Surrey		Jonty Denton	<u>JontyDenton@aol.com</u>
VC 18 & 19	Essex, S & N		Peter Kirby	peter.kirby7@ntlworld.com
VC 20	Hertfordshire		John Widgery	johnwidgery@waitrose.com
VC 23 (& 22pt)	Oxfordshire	Oxfordshire admin	John Campbell	campbell397@btinternet.com
VC 25 & 26	Suffolk, E & W	water bugs	Adrian Chalkley	adrian@boxvalley.co.uk
,,	Suffolk, E & W	land bugs	Nigel Cuming	nigelcuming330@btopenworld.com
VC 30	Bedfordshire	VC & admin	Bernard Nau	nau.bs@btinternet.com
VC 32	Northamptonshire		Tony Cook	tony.cook20@btinternet.com
VC 33 & 34	Gloucestershire, E & W		John Widgery	johnwidgery@waitrose.com
VC 37	Worcestershire	VC & admin	John Partridge	<u>records@wbrc.org.uk</u>
VC 39	Staffordshire		David Budworth	Dbud01@aol.com
VC 40	Shropshire	terrestrial bugs	Keith Fowler	keith.c.fowler@blueyonder.co.uk
VC 53 & 54	Lincolnshire, S & N	VC+admin.: shield bugs & allies	Annette Binding	<u>allan.binding@ntlworld.com</u>
		VC & admin: other land bugs	Colin Smith	Csmith@countrywidefarmers.co.uk
		VCs & admin: water bugs	Richard Chadd	richard.chadd@environment-agency.gov.uk
VC 55	Leics & Rutland		David Budworth	dbud01@aol.com
VC 56	Nottinghamshire		David Budworth	dbud01@aol.com
VC 57	Derbyshire		David Budworth	dbud01@aol.com
VC 58	Cheshire		Steve Judd	Steve.Judd@liverpoolmuseums.org.uk
VC 59 & 60	Lancashire, S & W		Steve Judd	Steve.Judd@liverpoolmuseums.org.uk
VC 61 & 62	Yorkshire, SE & NE		Stuart Foster	stuart@blackdan6.plus.com
VC 63	Yorkshire, SW		Jim Flanagan	jimflanagan@btinternet.com
VS 64	Yorkshire, mid-W		Stuart Foster	stuart@blackdan6.plus.com
VC 65	Yorkshire, NW		Steve Hewitt	SteveH@carlisle-city.gov.uk
VC 69 & 70	Cumberland, Westmorland, N Lancs	VCs & admin(Cumbria)	Steve Hewitt	SteveH@carlisle-city.gov.uk
(—)	Ireland (all)		Brian Nelson	<u>brian.nelson@magni.org.uk</u>

LITERATURE RELATING TO BRITISH HETEROPTERA

Continued from Het News 17/18, Autumn 2011 B.S.Nau

INTERNATIONAL

Anon.,2012a

Key to Rhopalinae of Bavaria

Internet - www.zsm.mwn.de/rhy/Rhopalidae.pdf

Consolidated from keys in lit., many dwgs

Anon., 2012b

Key to Coreidae of Bavaria

Internet - www.zsm.mwn.de/rhy/Coreidae.pdf

Consolidated from keys in lit., many dwgs.

Aukema, B., 2008a

De invasieve Noord-Amerikaanse wants *Leptoglossus occidentalis* beeikt ook Nederland (Het.: Coreidae)

Nederlandse Faunistiche Medelingen, vol. 29, pp78-80, 2008

In Dutch, English summary. New to NL in 2007, widely scattered in 2008.

Aukema, B., 2009b

Nieuwe en interesante Nederlandse wantzen V. New & interesting Dutch bugs (Hem.Het.).

Nederlandse Faunistiche Medelingen, vol 36, pp 1-7, 2011

In Dutch, English summary. New to NL: Aradus betulae, Sciocoris homalonotus; 1st for 60yrs: Emblethis verbasci; new records of rarity Prostemma guttula. NL list now = 634 spp.

Aukema, B., 2010a

Phimodera humeralis na bijna 70 jaar in Nederland waargenomen (Het. Scutelleridae)

Nederlandse Faunistiche Medelingen, vol 34, pp17-22, 2010

In Dutch, English summary. 1st since 1941; on sand dune, lives mostly underground in loose sand on roots of *Carex arenaria*.

Aukema, B., 2010b

Nieuwe en zeldzame Belgische wantsen IV (Hem.: Het.)

Bulletin de la Société Royale Belge d'Entomologie, vol 146, pp181-183, 2010

In Dutch, English summary. New to Belgium *Tropidosteptes pacificus* (N America), *Brachynotocoris puncticornis*, *Reuteria marqueti*, *Empicoris baerungsprungi*.

Aukema, B., 2011a

Nieuwe en interesante Nederlandse wantzen IV. New & interesting Dutch bugs(Hem.Het.).

Nederlandse Faunistiche Medelingen, vol 35, pp 53-59

In Dutch, English summary. New to NL: *Grypocoris sexguttatusl, Temnostethus tibialis, Arocatus roseli*i. Rare/scarce spp: *Microvelia pygmaea, Eremocoris podagricus, Drymus pumilio*.
Changing status in NL: *Corythuca ciliatta, Tropidostethus pacificus* (Miridae), *Amphiareus constrictus* (Anthocoridae), *Arocatus longiceps* (Lygaeidae).

Aukema, B., 2011b

Nieuwe en interesante Nederlandse wantzen V. New & interesting Dutch bugs (Hem.Het.).

Nederlandse Faunistiche Medelingen, vol 35, pp 53-59

In Dutch, English summary. New to NL: Aradus betulae, Sciocoris homalonotus. Status in NL: Prostemma guttula, Emblethis verbasci.

Aukema, B., Bruers, J.M., Viskens, G., 2009

Nieuwe en zeldzame Belgische wantsen III (Hem.: Het.)

Bulletin de la Société Royale Belge d'Entomologie, vol 145, pp25-31

 $New \ to \ Belgium: \textit{Phytocoris nowickyi}, \textit{Buchananiella continua, Temnostethus tibialis, Arocatus longiceps, Empicoris rubromaculatus,}$

Aukema, B., Hermes, D., 2009a

Nieuwe en interessante Nederlandse wansen III (Hem. Het.)

Nederlandse Faunistiche Medelingen, vol.31, pp 53-87, 2009

In Dutch, English summary. 9spp new to NL, 29spp rare/scarce. 19 fine colour photos. New to NL incl.: Orthotylus ochr., Corythuca ciliata, Macrolophus rubi, Amphiareus constrictus, Buchananiella cont., Card.fasc., Lyctocoris dimidiatus, Arocatus longiceps, Pinthaeus saguinipes.

Aukema, B., Hermes, D., 2009d

Wantsen van de Nederlandse Waddeneilanden III (Hem.: Het) Bugs of the Western Frisian Is.

Nederlandse Faunistiche Medelingen, vol 31, pp89-100, 2009

In Dutch, English summary. 26 spp new to W Frisian Is, total now 363 spp. - incl: Conostethus venustus, Chlamydatus evanescens, Kleidocerys privignus, Graphosoma lineatus, Peribalus strictus.

Aukema, B., Schwarz, M.D., Bieman, K. Den, 2009

Tropidosteptes pacificus (van Duzee, 1921), another Nearctic mirid in Europe (Hem.:Het:Miridae:Mirinae)

ZooTaxa, 2135, pp 65-68,2009

On \textit{Fraxinus excelsior} in Netherlands. Description, colour photo, dwg of parameres.

Carrasco, D., Varkonyi, G., 2012

The composition of the egg-parasitoid guild of the golden egg bug, *Phyllomorpha laciniata* (Heteroptera: Coreidae), in Spain

Entomologica Fennica, 17 August 29012

Body of conspecifics used as egg laying substrate.

Cuppen, J.G.M., 2012

Entomofauna van de Gooi- en Vechtstreek

Entomologische Berichten, vol 72, 3, 151-174

Field mtg, Noord-Holland, June 2010. 137 bug spp listed). Photo of *Phimodera humeralis* (Scutelleridae).

Davranoglou, L.R., 2011

Zelus renardiia (Kolenati, 1856), a New World reduviid discovered in Europe (Hemiptera:Reduviidae: Harpactorinae)

Ent. Mon. Mag., 147, pp157-162

Greece,, on ornamental shrubs & trees. Colour photo.

Ditrich, Tomas, Papacek, M., Broum, T., 2008

Spatial distribution of semiaquatic bugs (Het., Gerromorpha) & their wing morphs in a small scale of the Pohorsky Potok stream spring area.

Silva Gabreta, vol 14, 3, pp173-178, 2008

Fontaine, B., et al., 2012

New species in the Old World: Europe as a frontier in biodiversity exploration, a test bed for 21st century

PLoS ONE, 7(5): e36881, pp1-7, May 2012 (online jnl, Open Access) 51 authors!

Kurzatkowska, A., 2012

Morphology of the fifth larval stage of *Notonecta reuteri* Hungerford, 1928, *N. lutea* Müller, 1776 & *N. glauca* Linnaeus, 1758 (Heteroptera aauatica)

Entomologica Fennica, 23, pp13-17 Good dwgs.

Laudonia, Stefania, Sasso, R., 2012

The bronze bug *Thaumastocoris peregrinus*: a new insect recorded in Italy, damaging to Eucalyptus trees.

Bulletin of Insectology, 65,1, pp89-93

1st European record of Thaumastocoridae; heavy infestations in Latium region. Severe pest in Australia.

Magnien, P., Matocq, A., 2011

Nécrologie: Jean Péricart, un entomologiste d'exception Nouvelle Revue Entomologie (N.S.), vol 27, no2, p138

Matocq, A., Pluot-Sigwalt, D, 2012

Revision des *Amblytylus* et essai de mise au point sur les genres *Amblytylus* Fieber et *Megalocoleus* Reuter (Het.:Miridae: Phylinae)

Ann. Soc. entomol. Fr., vol 48, pt 1-2, pp123-154

In French, English summary. Keys for *Amblytylus & Megalocoleus*. Numerous dwgs, inc genitalia. *A. delicatus* becomes *M. delicatus*, BSN specimens from Aspley Wood (Beds,UK) examined by AM.

Matocq, A., Ponel, P, Lemaire, J-M, 2011

Premiere observation d'un cas de monophthalmie, chez in Heteroptere Pentatomidae, *Holcostethus albpes* (F., 1781)

L'Entomologiste, vol 67,no.3, p171

Right compound eye absent

Musolin D.L., 2012

Surviving winter: diapause syndrome in the southern green stink bug Nezara viridula ...

Physiological Entomology, 37 (4): 309-322.

on line library. wiley. com/doi/10.1111/j.1365-3032.2012.00846. x/abstract

Musolin D.L., Saulich A.Kh., 2012

Responses of insects to the current climate change: from physiology & behaviour to range shifts.

Entomological Review, 91 (1): 3-35 (Russian, English summary).

http://link.springer.com/article/10.1134/S0013873812070019

Polhemus, J.T., Polhemus, D.A., 2008

Global diversity of true bugs (Heteropetera; Insecta)

Hydrobiologia, 595, pp379-391, 2008Protic, Ljiljana, 2011 Heteroptera

Book publ by Prirodnjacki Muzej Beogradu, 260pp, 27 colour plates, 33page bibliography)

(In Serbian, executive summary in English. Describes 150 yrs of het study in Serbia; lists all spp in collections of Belgrade Nat.Hist.Mus.; also treats economics, fossils, et al.

Reinhardt, K., 2012

Beobachtungen an einer überwinternden Freilandpopulation der Bettewanze, *Cimex lectularius* (Het.:Cimicidae). Observatiions on a field population of the bed bug *Cimex lectularius*.

Entomologische Nachrichhten und Berichte, 56, 2, pp101-108, 2012

(in German, English summary.) Study of winter refugia in S Germany - also. ads & imms from House Martin nest boxes at, Eversholt, Beds,UK.

Ribes, E. (ed.), 2011

Festschrift volume of Heteropterus Revista de Entomologia for Jordi Ribes

Heteropterus Revista de Entomologia, 11, 2, pp171-375, (27 articles) (In English), includes new species.

Silferberg, H, 2012

Changes 2006-2010 in the list of Finnish insects.

Entomologica Fennica, vol.23, 9918 et seq.

35 additions, 1 deletion

Saulich A.Kh. & Musolin D.L., 2011

Diapause in the seasonal cycle of stink bugs (Het., Pentatomidae) from the Temperate Zone.

Entomological Review, 92 (1): 1–26. (Engl. translation)

www.springerlink.com/content/r4l43521376v6g57/

Simov, N., 2011

True bugs collected on snow in Vitosha Mt., Bulgaria: a proposed method for investigation of flight activity & dispersal activity of Heterooptera (Hem.)

Heteropterus Revista de Entomologia, vol 11,2, pp351-358,2011

98spp of 16 families at ca 2000m in spring & early summer. Mostly Miridae, Lygaeidae, Pentatomoidea; 24 live at this height; 4 from 200km S.

Tamburini, M., Maresi, G., et al., , 2012

Adaptation of the invasive western conifer seed bug *Leptoglossus occidentalis* to Trentino, an alpine region (Italy)

Bulletin of Insectology, 65, 2, pp161-170

In alpine forests, overwintering in buildings - nuisance!.

Werner, D.J., 2012

Die Verbreitung de Schillerwanze *Eysacoris venustissimus* (Het. Pentatomidae) in deutschland und in Nachbarlandern mit Angaben zu ihrer Biologie

Entomologie Heute, vol 24, pp51-92, 2012

Dwgs of E. venus., E. aeneus, & E. ventralis - upperside & head details. Distrbn map of Germany.

BRITISH ISLES

Bantock, T., 2011

Hemiptera report for 2010

London Naturalist, no.90, pp207-209

Eremocoris fenestratus, Rhyparochromus vulgaris (1st GB), Leptoglossus nymph, Arocatus longiceps - spreading

Covey, S., 2012

Canthophorus impressus (Horvath) (Hem.; Cydnidae) in Wiltshire Brit Jnl Ent.Nat.Hist, 25,2, p84, 2012

Gt Cheverell Hill, Salisbury Plain, 26March 20122.

Denton, J. S., 2011

Megacoelum beckeri (Fieber) (Hem.: Miridae) associated with Cypress trees

Brit Jnl Ent.Nat.Hist, 24,4, p216, 2011

Kingston Cemetary, vc17: 28Jul2011; dozens of adults & nymphs; also *Eremocoris fenestratus*.

Denton, J. S., 2011a

Micronecta griseola Horvath (Hem.: Corixidae) in North Hampshire & Surrev

Brit Jnl Ent.Nat.Hist, 25,1, p61

Basingstoke Canal vc12, abundant 20 May 2011; Mychett Lake, vc17, present 11 Jul2011.

Dickson, R., 2011

BENHS Annual Exhibition 2010, exhibit.

Brit Jnl Ent.Nat.Hist, vol 24,3, p170, 2011

vc11 - Nysius thymi, Syromastes rhombeus.

Drake, M., 2012

Field Meeting Report, Blackdown Hills, Somerset,, 11 June 2011 Brit Jnl Ent.Nat.Hist, 25,1, pp63-64, 2012

Heterocordylus genistae.

Eyre, M.D., , 2011

Military activity & aquatic invertebrate habitats in upland northern England.

Brit Jnl Ent.Nat.Hist, 24,4,pp197-204

Spadeadam, 9spp waterbug.

Flanagan, J., 2011

Conostethus venustus (Fieber, 1858) (Hemiptera: Miridae, Phylinae) new to Britain.

Ent. Mon. Mag., 147, pp213-221, 2011

Sites in S Yorkshire, on Asteraceae on disturbed ground.

Flanagan, J., 2011a

BENHS Annual Exhibition 2010, exhibit.

Brit Jnl Ent.Nat.Hist, vol 24, 3, p170, 2011

vc63 - Conostethus venustus, Drymus latus.

Flanagan, J., 2012

Further U.K. records for *Conostethus venustus* Fieber, 1858 (Hemioptera: mlridae)

Ent. Mon. Mag., 148, p22, 2012

S Yorks, E Yorks, Lincs, Notts..

Flanagan, J. & Coldwell, J., 2008

Stictopleurus punctatonervosus (Hemiptera: Rhopalidae) new to Yorkshire & a summary review of other Rhopalidae in Yorkshire Sorby Record **No 44** (2008), pp. 33-37, Sorby Natural History Society, Sheffield

Judd, S., 2011

The scent-less plant bug *Liorhyssus hyalinus* (Hem.:Rhopalidae) - regular migrant or established British speciesd?

Brit Jnl Ent.Nat.Hist, 24,4, pp 227-234

Table of ca50 records, distribution map, seaonal occurrence chart.

Malumphy, C.P., 2011

Interceptions of grain cinch bug *Macchiademus diplopterus* (Distant) (Hemiptera: Blissidae)) in Britain.

Ent. Mon. Mag., 147, pp169-175

14 occurrences; from S Africa, pest of cereals. In shipping container at Tilbury Docks mainly on Peaches, Colour photos.

Nau, B.S., 2011

Megaloceroea recticornis (Geoffroy) (Hemiptera: Miridae) spreading in Britain, but not a Scottish species.

Ent. Mon. Mag., 147, pp256-257

All records from Scotland erroneous.

Nau.B.S. 2011

Bugs (Heteroptera) 2010

Bedfordshire Naturalist, 65 (Pt 1), pp42-45

Annual report of Bedfordshire's Heteroptera 'Recorder', covering the year 2010 (reports have been published annually back to 1972)

Nau.B.S. 2012

Bugs (Heteroptera) 2011

Bedfordshire Naturalist, 66 (Pt 1), pp37-39

Annual report of Bedfordshire's Heteroptera 'Recorder', covering the year 2011

O'Connor, J.P. & Nelson, B., 2012

An annotated checklist of the Irish Hemiptera & Small Orders. *Irish Biogeographical Society*, 151pp.

Ramsay, A.J., 2010

Recent Hemiptera rocords from Cheshire.

Jnl of Lancs & Cheshire Entomological Soc., 131/134,pp4-5

Der.flavilin., Piloph.perp., Myrm.miri., Eys.fab., Cyph.tri.

Ryan, R.P., 2011a

New vice-county records for *Dicyphus pallidus* (Herrich-Schaeffer) (Hemiptera: Mirifdae)

Ent. Mon. Mag., 147, pp248-249, 2011

Map; 9 VCs.:12, 13, 16, 17, 20, 22, 23, 24, 30.

Ryan, R.P., 2012

Stephanitis takeyai Drake & Maa (Hem., Tingidae) at Box Hill, Surrey Ent.Rec. & Jnl of Variations, vol 124, p24 (Jan/Feb 2012)

Not on Pierisl.

Ryan, R.P., 2012a

A good year for *Corizus hyoscyami* (L.) (Hem., Rhopalidae) *Ent.Rec. & Jnl of Variations*, vol 124, pp143-145, 2012 Sites in Berks, Bucks, Hants, Oxford; during 2005-2011.

Ryan, R.P., 2012b

Stenodema holsata (Fabricius) (Hem., Miridae) in the Chiltern Hills Ent.Rec. & Jnl of Variations, vol 124, pp145-147
9 sites in Oxford, Bucks, Herts, N. Wilts, Hants S.

Ryan, R.P., 2012c

Pachytomella parallela (M.-D.) (Hem., Miridae) in the Chiltern Hills Ent.Rec. & Jnl of Variations, 124, p243, (Sep/Oct 2012)

Wendover & Ashridge (Bucks), Streatley (Berks).

Ryan, R.P., 2012d

Closterotomus trivialis (A. Costa) arrives in Oxford & Agnocoris reclairei (Wagner) returns (Hem.: Miridae)

Ent.Rec. & Jnl of Variations, 124, pp 277-278 (Nov/Dec 2012)

Ryan, R.P., 2012e

Deraeocoris olivaceus (Fabr.) (Hem.:Miridae) new to Oxfordshire Brit Jnl Ent.Nat.Hist, **25**, 2, pp93-94 vc22 & 24.

Ryan, R.P., 2012f

Deraeocoris scutellaris (Fabr.) (Hem.:Miridae) in the Chiltern Hills Brit Jnl Ent.Nat.Hist, 25,2, pp113-114

Hartslock, Goring: Coombe Hill. Wendover.

Ryan, R.P., 2012g

Aradus cinnamomeus Panzer (Hem.: Aradidae) new to Oxfordshire Brit Jnl Ent.Nat.Hist, **25**, 2, pp115-116

Burnt Platt Wood, SU694833, vc23, 2Sep2011.

Rvan, R.P., 2012h

Miridius quadrivirgatus (A. Costa) (Hem.: Miridae) in Berkshire. Brit Jnl Ent.Nat.Hist, **25**, 2, p116, 2012 Crowthorne, vc22 Berks, 17Jul2006.

Ryan, R.P., 2012i

Chorosoma schillingii (Schilling) (Hem.: Rhopalidae) in Surrey Brit Jnl Ent.Nat.Hist, **25**, 3,pp 176-177 Thursley Cmn, 23 Jul2011.

Ryan, R.P., 2012j

An adddendum to Southwood & Leston's Land & water bugs of the British Isles.

Brit Jnl Ent.Nat.Hist, 25, 4, pp205-216, 2012

85 additional species

Salisbury, A., Malumphy, C.P., Foster, G.N., 2011

First incursion of *Aloea australis* (Hem.: Miridae) & *Pulvinaria delottoi* (Hem.: Coccidae) in Europe, & three other hemipteran insects imported from Soiuth Africa.

Brit Jnl Ent.Nat.Hist, 24, 4, pp217-220, 2011

Succulents infested, in quarantine at RHS Wisley, July 2011.

Whitehead, P. F., 2011

Observations on temperature-related invertebrate mortality in Worcestershire during December 2010 Ent. Mon. Mag., 147, pp105-110, 2011

6 spn of Het

Young, E.C., 1963a

Studies on flight muscle polymorphism in Corixidae (Hemiptera-Heteroptera).

University thesis, Diss. Ph.D. London University

SOME EARLIER LITERATURE

Carapezza, A., 1997

Heteroptera of Tunisia

Naturalista Siciliano, (4) 21, Suppl. A, pp1-331

Orthotylus (Parapachylops) junipericola junipericola Linnavuori 1965 discussed = Ehanno & Matocq (1990) 'O. armoricanus n. sp'. Dwgs of genitalia.

Crisp, D.T., 1962a

Some Corixidae (Hem.=Het.) from bog & moorland waters.

Trans.Soc.Brit Ent., vol.15, Pt II, pp 21-28

Pennine Hills - propinqua, carinata, germari, venusta, wollastoni.

Ditrich, Tomas, et al., 2001

The latitudinal uniformity of the unique life history of *Velia caprai* (Het.: Veliidae) & notes to the pre-overwintering period of selected water striders (Het.: Gerridae)

Entomologica Fennica, vol 22,pp106-112

Wing morphs, sex ratios, ovipositing.

Ehanno, B., Matocq, A., 1990

Compléments a la Faune de France des Hétéroptéres Miridae. Orthotylus (Parapachylops n. subgen.) armoricanus n. sp. Bulletin de la Société entomologique de France, 94 (9-10) pp265-272, 1990

Key to subgenera of *Orthotylus*; description & many dwgs of *O. armoricanus* n. sp. from Brittany (S Finistére). Beaten from Tamarix & Thuya. Later referred to O. j. junipericola Linnavuori. 1965...

Fernando, C.H., 1949

The colonization of small freshwater habitats by aquatic insects. 2.Hemiptera (the water bugs)'

Ceylon J. Biol. Sci., xxx

Milliken, F.B., 1918

Nysius ericae, the false chinch bug

L'Entomologiste, vol XIII, No.11, pp571-578 + 2 plates

Description, ad & nymphal stage illustrated. Fife history, habitat etc.

Rosenzweig, V.Ye., 1997

Revised classification of the *Calocoris* complex & related genera (Heteroptera: Miridae)

Zoosyst Rossica, vol 6 (1//2), pp139-169

Numerous dwgs of genitalia.

Brown, E.S., 1951a

The relation between migration rate & type of habitat in aquatic insects, with special reference to certain species of Corixidae.

Proc. Zoological Society of London, vol 121, pp539-545

Lane, S.A., Falk, Steven, 2003

Notes on the scarcer species. True Bugs (Hemiptera). The anthocorid bug *Buchananiella continua*.

Proc. Birmingham Nat. Hist. Soc., vol 29, no.2, Edgbaston.

Johnson, C.G., 1963

Physiological factors in insect migration by flight.

Nature, London, 186, 348-350

Popham, E.J., Lansbury, I., 1960b

The uses & limitations of light traps in the study of ecology of Corixidae.

The Entomologist, 93, 162-169