

THE COLEOPTERIST'S NEWSLETTER

November 1986

Number 26

With the final "Newsletter" for the year it is once again my duty to remind readers that the subscription for 1987 is due. The good news is that there will be no increase in the subscription rate.

Please make cheques payable to "Coleopterist's Newsletter" and send to Peter Hodge, 8 Harvard Road, Ringmer, Lewes, East Sussex, BN8 5HJ as soon as conveniently possible. Thanking you for your support
Jonathan Cooter.

BREEDING ANTRIBUS RESINOSUS (SCOP.).

I have found this very rare weevil in north Oxfordshire at three sites quite close to Banbury where I live. The beetle was not recorded on the old Victoria County History list of Coleoptera for Oxfordshire, but David Sheppard found it a few years ago hibernating in an old hornet's nest in Wychwood Forest. I found the beetle in April 1984 under old ash bark and John Parry kindly gave me some details of its life history. Upon examining a large ash log with plenty of Daldinia fungus on it, I discovered about 15 adult beetles and decided to have a go breeding them.

I collected pieces of bark with Daldinia on, (the reddish brown fresh fungus is best) and placed these in an aquarium covered with metal gauze together with about 10 of the adults. The beetles were seen to be mating during May and before long I found the typical "C"-shaped weevil larvae inside the fungus. Plenty of fungus is needed as the adults eat it as well. There never seemed to be more than one larva in a piece of fungus, perhaps they are carnivorous.

The larvae grow quickly and are ready to pupate at the end of June or early July. I discovered that they would not pupate in the bark, but wandered around looking lost. The larvae eat their way out of the fungus through the bark and seek wood in which to tunnel and pupate. It is essential, I found, to have a piece of ash log on which to place the bark. This needs to be only a few inches in diameter, but with this underneath the bark the larvae will quite happily bore into it and pupate, emerging through a second hole in two or three weeks. My first adults emerged on July 25th.

This weevil is rare and hard to catch as it has the habit of dropping to the ground and playing dead for a long time. It may be often easier for Coleopterists to find fungus during May and June with the larvae in and breed the adults out. The above notes will perhaps be of use. It is essential to keep the fungus dampened; damp peat at the bottom of the container will help to conserve moisture.

David Copestake, 22 Meadow Way,
Banbury, Oxfordshire, OX16 9SR

AN IDEAL COUNTY LIST ?

A county list of Coleoptera is essentially a summary of all the data relating to the beetles of a given county. An enormous amount of information is required to write such a catalogue, both in terms of species data and background information. Such information can be divided into a series of subject headings and I have attempted to briefly outline each one in turn. I must stress that these are personal views and are not meant to debase the efforts of those who have produced such valuable county lists in the past.

1. Area of Study.

Describe the area and define the boundaries (e.g. V.C., Administrative County) and present a series of maps showing relevant features. These would include: the major towns or cities, as a guide to foreigners, the major collecting areas, perhaps as part of a topographical, geological or land-use map, other major landscape features. There is no shame in producing a list from less than a county, so long as it is honestly presented as such. Just look at the 126 pages of Donisthorpe's "A Preliminary List of the Coleoptera of Windsor Forest" (1939) - and that was not even definitive!

2. Sources of Information.

There are hundreds of volumes of published books and journals that would need to be searched as part of the construction of a comprehensive list. Few people, outside London, have access to all of them. A list of those searched should be presented, together with the date-span of those consulted (eg Entomologist 1900-1969; Entomologist's Monthly Magazine 1930 to date). Any manuscript sources should also be stated, together with their date-span and location (e.g. T.J. Bold diaries 1843-1868 Natural History Society of Northumberland, Hancock Museum, Newcastle-upon-Tyne).

3. Nomenclature.

State which check-list is being used and any up-dates which have been incorporated. (E.g. Kloet & Hincks (2nd edition) 1977 and amendments as published in "Antenna" volumes 1-9, 1977-85).

4. Status.

There are two components of status: abundance and distribution. A species may be widespread in the county, but only present in small numbers throughout. Alternatively, a species may be found in only a very restricted area, but be present there in very large numbers. The terminology used should be defined. The following is suggested:

Resident - species established as breeding colonies (e.g. former resident, current resident, temporary resident, resident re-inforced by migration).

Migrant - species which may breed here, but are dependant on regular replacement from elsewhere.

Vagrant - species caught in the wild but which only usually occur in some distant place and is not known to be migratory.

Introduction - species known to have been brought into the area by man.

Similarly the following definitions are suggested for terms of distribution:

Ubiquitous - occurs throughout the county in all situations.

Widespread - occurs throughout the county in a variety of habitats.

Local - occurs patchily, probably restricted by habitat requirements.

The following definitions are suggested for terms of abundance:

Abundant - 101+ records; Frequent - 51-100 records;

Occasional - 21-50 records; Scarce - 11-20 records; Rare less than 10 records. The latter two, since 1970.

The term "common" should be avoided. It is a term of dispersion, not of abundance. A species might be common to woodland, but may not be particularly abundant there. Phrases such as "locally common" are meaningless and should be expressed more accurately as "locally abundant" or common to habitat x.

5. History.

The history of beetle collecting in the county should be outlined together with notes about extant collections and manuscripts. A brief biography of the major collectors or at least their collecting activities in the county should be given. Always try to give the full name and years of birth and death for each person mentioned (e.g. Thomas John Bold, (1816-1874)).

6. Localities.

The best-worked localities should be described, especially if they have changed or no longer exist. All the localities mentioned in the text should be listed as a gazeteer together with grid references, vice-counties and the initials of the collectors who worked the area.

7. Coverage.

A map showing the geographical spread of records, and preferably the intensity of recording is essential. This not only shows how thorough the recording has been, but highlights those areas still awaiting investigation.

8. Acknowledgements.

Everyone who has personally helped the author should be individually acknowledged, as should all institutions e.g. libraries, museums etc whose resources have been consulted.

9. Contents.

A contents page at the beginning of the work is essential.

10. Index.

A species index should be included. We have not all memorised the sequence in the Check-List.

The following information is required for each species recorded from the county.

History - The date and details of its first capture in the county and references to all published records for the county, with some indication of the name by which it was recorded if that differs from the name used in the list. It is not necessary to include all unpublished records - hopefully there will be too many of them - but perhaps all the records of the rarer species could be included - or perhaps not ?

Local Status - The published and unpublished records should be summarised and presented on a distribution map, with some differentiation between recent and historical records (e.g. 3 date classes, pre-1900; 1900-1950; 1951-date). Any changes in distribution should be given together with any changes in this over time.

National Status - A brief comment about the national status helps to put the local status in perspective.

Biology - Some indication of its biology would be useful, or alternatively, some reference to such information.

Variation. - Any regional variation in coloration, morphology, life-cycle or phenology should be noted.

The final county list will probably be surprisingly large if all this information is included. However, the entries for some species will be very brief and for others so large that severe editing will be necessary.

If the project becomes too large, then it is possible to cut back on some sections. The area of study could be reduced, the species coverage could be restricted to Adephaga, Polyphaga

or favourite families. The date-span of search could be restricted to post-1950 or unpublished or unverified records ignored altogether. However, I would press for the inclusion of all published species, doubtful or otherwise. This serves to highlight possible, although unlikely new finds and to forewarn users of the mistakes of the past.

Whatever the limitations of the project, it is important to state the parameters so as not to give some pretence of comprehensiveness which can only lead to distrust of the results by later workers who too easily discover the omissions. If the list is provisional and intended to stimulate more recording, this should be clearly stated.

The publication of such a list presents a series of problems and the overall contents and presentation may be restricted by editorial policy. My own view is that local lists should be published locally and thus be available to local enthusiasts. National periodicals are not the place for definitive local lists. However, some notification should be made nationally either by advertisement in a national journal or by a paper on faunal change or new or disputed county records, newly discovered manuscripts etc., thus referring the reader to the definitive work.

No matter how much effort has been put into the construction of the list to ensure geographic coverage and thoroughness of archive search, you may be certain that a few days after publication, a new species hitherto unsuspected or untraceable manuscript will be found. So, after a few moments of self-congratulations, you must sit down and commence the second edition.

David Sheppard, N.C.C.,

Northminster, Peterborough, PE1 1UA

The Antennal Dimensions of *Axinotarsus marginalis* (Lap.)

It may be that this beetle is now well established in low-lying rank grassy areas in the south-west Midlands, and I encountered several during 1986. Following discussion with John Owen, some doubt has been cast on whether the 5th antennal segment is or is not longer than the 4th, as has been claimed.

To check this, I set the specimens on a Baty Optical Comparator kindly made available for the purpose by Mr John Ravenscroft. Their projected image is moved on a screen (at optimal levels of magnification) between fixed lines, and the lengths of the antennal segments, in this case in microns, is read off digitally.

The results are tabled below. All of the specimens are from Worcestershire, excepting that from Forthampton, which is in Gloucestershire. The specimen from Tiddesley Wood was measured by its finder Mr J.F.Meiklejohn, using an eyepiece graticule.

The specimen from Little Comberton visited a flower of *Chrysanthemum 'maximum'* in my own garden, and it is clear that the beetle is aerially very mobile.

Date	Locality	Sex	5th Length	4th antennal segs	Ratio 5th:4th
28.6.85	Tiddesley Wd	♂	156	133	10:8.4
30.6.86	Broadway	♂	140	146	10:10.4
9.7.86	Broadway	♀	150	148	10:9.8
11.7.86	Broadway	♀	120	118	10:9.8
13.7.86	Litt Comberton	♂	152	146	10:9.5
20.7.86	Forthampton	♀	132	138	10:10.4

The suggestion is that the 5th and 4th antennal segments may be of similar length, but not invariably so.

P.F.Whitehead, Little Comberton, Pershore, Worcs.

An Aberrational *Silpha atrata* L. ? A right elytron of *Silpha atrata* collected at Sunbiggin Tarn, Cumbria, on 21.7.1983 deviates so widely from the "norm" that it seems worth mentioning. The elytron is strongly swollen, being almost twice as tumid as all others I have seen in England. The puncturation is also less strong and deep, and the elytral keels half as high as usual. The blackish elytron has a well developed clear red zone medially, and another at the lateral apex. Dr M.L.Cox has kindly confirmed that the specimen should be regarded as *Silpha atrata*.

F.F.Whitehead, Little Comberton, Worcs.

Coleopterist's Meeting NOVEMBER 22nd, 1986

There will be a Coleopterist's Meeting at the Liverpool Museum on 22nd November, 1986 between 2pm and 5pm. This is organised by the Museum and the Lancashire and Cheshire Entomological Society primarily for the coleopterists in the north-west of England, but anybody is most welcome to attend.

Stan Bowstead will be talking on "The Coleoptera associated with nests of mammals, birds and insects in the N.W. of England" and Paul Hynan will be talking about the NCC's National Review of Coleoptera.

The Museum's extensive collections will also be available for consultation and can be viewed on appointment on the morning of the meeting.

Please contact: Stephen J dd, Invertebrate Zoology Department, Liverpool Museum, National Museums and Galleries on Merseyside, William Brown Street, Liverpool, L3 8EN if you would like to attend.

Wester Ross, Scotland, August 1986. The object of these notes is to record the salient findings or assemblages made during a family trip to the area of Ben Eighe near Kinlochewe. Complete notes are being prepared for the NCC, Ben Eighe being a NHR. Some of these findings still require specialist ratification.

- ** Summit of Ben Eighe 18/952607, 24th August. Species poor in most groups but at 2600ft fine scree from Torridonian good with Stenus brunnipes Stph., S.niveus Fauv., Quedius brevis Er., Q.fulvicollis Stph., Arpedium brachypterum (Gr.). John Owen has kindly agreed to confirm Aleochara villosa Mannh. Large populations on this fine moss-covered scree (with Alchemilla alpina L. and Gnaphalium supinum L.) of Hypnoidus riparius (F.) with some Byrrhus pilula L. and Notaris acridulus L.

It is interesting that this habitat produces such red and brown forms of Carabidae, some Patrobus septentrionis Dj. being almost clear red. Between 600ft and 2600ft I encountered a number of rather small unmetallic adult Carabus problematicus Eb. having dark brown elytra. This form has not previously been recorded (information from Martin Luff).

- ** Coinneach Mhor 18/645603, ca 3000ft. Specimens passed to me by Mr Richard Pennington from his spider traps. P.septentrionis dominant carab outnumbering Nebria gyllenhali (Sch.) 5:1 in a sample of 62. Also Loricera pilicornis (F.)1, Trechus obtusus Er. 6, Lesteva monticola Kies. 2, Otiorrhynchus auropunctatus Gyll. 1. It is possible that this last is extremely rare even at the site and it may have been seen only twice before: in 1964 at Stac Pollaidh, Ross, and in 1976 in the Cambrian Mountains (information from Paul Eynan).
- ** Gairloch Dunes 18/8175. Interesting little dune system easily missed with a good flora near southern rock outcrop, and good syrphid fauna. Anotylus maritimus Thom., Serica brunnea L., Otiorrhynchus atroapterus (Dg.). Dragonfly Sympetrum nigrescens Lucas.

- ** Ben Eige. Transect across footslopes below 1000ft, dissected by pine-clad gorges. Calluna moor, with Trichophorum/Molinia bogs. 26th August. Linax cinerioniger Wolf. on Hebeloma fungus in ancient silver birch stand. Viviparous lizard amongst torrent boulders. Bezbidion punctulatum Drap., Geodromicus nigrita (Mull.), expected series of Agabus, Anacaena, Trechus, Bradycellus. Ocalea ?rivularis Miller, Galeruca tanaceti (L.) at about 500ft Heteropterans seemingly rare, only Stygnocoris pedestris (Fall.) on Calluna moor with grazed stunted juniper.
- ** Picea abies L above Loch Carron 18/8835. Cleared slopes of plantations, 27 August. Good carab fauna with Leistus fulvibarbis Dj. At stumps Dendrophagus crenatus Sch. (evidently not averse to monocultures) and ever impressive the ichneumonid Rhyssa persuasoria (L.).
- ** Broadford Beach 18/6925 (Skye) 27th August. Stunning coast where soft Jurassic Limestones meet the sea. Lagoon and fixed shingle at HWK. Famous for its Lauria/Pyranidula mollusc fauna (if you can drag your eyes away from the scenery !). Anara lunicollis Sch., Cychrus caraboides L. under strandline (this and population of Arianta arbustorum (L.) on exposed rocks presumably due to high rainfall), Clivina fossor L., Staphylinus winkleri Bern., Xantholinus glabratus Gr., O. rugifrons Gyll.
- ** Coillee Na Glass-Leitre 18/995650. Ancient Scotts Pine and Silver Birch Forest, 28th August. Terrain so difficult everything larger than a springtail overtakes at speed - keep to the path! Just recognised Carabus glabratus Pk. as it rushed past! Melanotus erythropus (Gmelin) (on pine) Dalopius marginatus L., Rhagium bifasciatum F. (breeding), one Bradycellus ruficollis Stph. deep in heartwood of felled pine. Staphylinus aenocephalus Dg. at road level. Dragonflies Cordulegaster boltoni (Don.) generally, and larvae of Libellula quadrimaculata (L.) in inch deep pool in birch wood. At this site Mnsr Jean-Yves Busson and Mlle. C.Vien Vial recorded 3 adult Nicrophorus species. (I recorded interruptus nearby) burrying a dead toad.

Choleva elongata (Paykull) new to Britain. Until such time I am able to finish writing a proper article, followed no doubt by the current frustrating delay until publication, I thought it might be appropriate to use the "Newsletter" to announce the presence of another Leioidid in our midst. (That is, it may be of interest to those few collectors who haven't already heard through the amazing Coleopterist's Grapevine, the workings of which I have yet to fully understand!)

I have found two specimens in a mole's nest in East Norfolk and a further one in flood refuse from the River Waveney, which separates Norfolk from Suffolk. It seems likely therefore that this species is widespread in East Anglia, if not in other regions of the country.

I am grateful to Mr A.A.Allen for initially identifying C.elongata, using "Freude, Harde & Lohse" in which it keys out fairly readily. Externally, both males and females may be recognised by the shape of the pronotum which is obviously widest in front of middle and contracted to base almost in a straight line. The aedeagus differs markedly from any other British species by having a narrow, parallel sided tip, which is angled dorsally.

Females or undissected males could easily exist undetected in collections and I would be very interested to hear if any are discovered - to which end I would be willing to check doubtful specimens, if accompanied by return postage.

Martin Collier, 67 Church Lane, Homersfield,
Harleston, Norfolk, IP20 0EU

Thoughts on Cornwall, August 1986. The south-west peninsula's dolerite headlands, a rock more basic than the adjacent granite, permits more diverse plant associations. Near St. Ives, carpets of Agrostis stolonifera (L.), hung vertically from saturated cliffs. Stenodema laevigatum (L.) looking remarkably like mobile caryopses, fed on the real thing. Amongst the endless drip of water Stenus guttula Mull. and a few Quedius humeralis Stph. lurked. In gravel below, catching the spray from highest tides, all the Lesteva agreed with hanseni Lohse.

Higher up, where roots of Ameria gripped drier rock, the association of animal life included abundant slow-worms, Megasternum, Pterostichus nadius F., Amara similata Gyll., Stenus brunripes Stph., Sepedophilus marshani Stph., Staphylinus winkleri Bernh., and the mollusc Cochlicella acuta (Mull.), a myriapod Cylindroiulus brittanicus/latestriatus, and the ant-like Mirid Myrmecoris gracilis (Sahl.)

At Cape Cornwall, a corresponding facies of this fauna includes Amara lunicollis Sch., Harpalus rufitarsis Duft., H. aeneus F., Calathus melanocephalus L., Platydracus stercorarius Ol., Staphylinus olens Mull., S. winkleri Bernh., and Oulema melanopa L. in its natural habitat on a drift of Yorkshire Fog Grass. Here too a Tingid Derephysia foliacea (Fallen) (? out looking for ivy), the myriapod Cylindroiulus teutonicus (Pocock), and under a stone Silpha obscura L.

At Gurnard's Head a Cetonia aurata L. was not within sight of anything purporting to be a tree, and it is interesting how many taxa occur on these exposed Cornish cliffs. that would otherwise, perhaps, seek the humidity of woodland. Occurring on exposed weathered rock we found Abax, the centipede Lithobius variegatus Leach, and the molluscs Clausillia bidentata (Strom) and Milax gagates (Drap.).

At Bosygran's famous cliffs with Harpalus latus L., Othius myrmecophilus Kies., and Lathrobium multipunctum Gr., a stream descends a steep cliff-gorge, away from all herbivorous mammals. Full of lush Angelica, Lythrum, and Eupatorium it

too surprised us with its capsule of life. Here Pholidoptera Leptophyes, Evacanthus (Auchenorhynchan), and the fly Sicus ferrugineus L.

Our faunal list for August 13th was comparatively small mainly because it was producing the kind of fine, invigorating, insistent drizzle that prevented us, on Hayle Beach, from seeing the ground. In this atrocious visibility we knew that the black beetle below us was Brosicus in preference to Aegialia because it was devouring an Orchestia gammarella (Pal.), but it was progressively less easy to believe that the large beetle walking along the beach was a male Lanpyris noctiluca L., and the even larger one was actually Arhopalus rusticus (L.). We can only presume that this was a true vagrant from some pine stakes set in the back of the beach. A couple of days spent at Sennen Cove produced a fauna of such richness that it can hardly be dealt with in a "Newsletter" and it will be put on ice for the present.

And Thoughts on Staphylinus ater Gr. ... Whilst in Cornwall I was able to add to my knowledge of this interesting insect. It occurs sometimes as the third large invertebrate in an association of the Isopod Ligia oceanica (L.) and the Bristle-tail Petrobius maritimus (Leach). It is probably a major predator of the Isopod. This fauna occurs amongst cliff-rubble descending almost to beach-level at St. Ives, and at Mayon Cliff, near Sennen. Here fine trickles and seepages traverse bare granite about 200ft O.D. with patches of Aster tripolium L., Armeria maritima (Mill.) Willd., and Plantago corobopus L. The site could hardly be more uncompromising. My inland records of S. ater include it in a compost heap, but also from a dry garden frame; hunting at night on a garden path; in a greenhouse; in a house; and in gardens on a suburban estate. So it may be that S. ater tolerates the austerity of our immediate surroundings and is attracted by their sometimes large numbers of few species. In so doing, S. ater passes sobering judgement on our own habitat.

P. Whitehead, Little Comberton, Worcs.

A Second Record of *Meloe rugosus* Marsh. in Worcestershire.

On the 10th December 1984 I found a gravid female of *M. rugosus* at Broadway, Worcestershire. Full details are in the press. On the 3rd October 1986 I found a further female in the same area. It was large (17mm) and active and was released after scrutiny. Its behaviour was rather passive and hard to define, but it was frequenting an area with ornamental *Helianthemum* favoured by the bee *Anthophora plunipes* (Pallas) in spring. This is probably the host. *Meloe rugosus* may be an "October species" when it was found in Oxfordshire in 1927 and Wiltshire in 1976. I am grateful to Paul Hyman for advice and comment.

P. Whitehead, Little Comberton, Pershore, Worcs.

SUBSCRIPTIONS FOR 1987 ARE DUE NOW. PLEASE SEND YOUR
CHEQUE OR POSTAL ORDER TO PETER HODGE, 8 HARVARD ROAD,
RINGMER, LEWES, EAST SUSSEX, BN8 5HJ THE RATE HAS
ONCE AGAIN BEEN HELD AT £2-00p

PLEASE MAKE PAYABLE TO "COLEOPTERIST'S NEWSLETTER"

THANK YOU FOR YOUR SUPPORT

BACKNUMBERS

These Days I duplicate 110 copies of the "Newsletter" and as a result I only rarely get any extra copies.

On sorting out some piles of papers recently I came across a few backnumbers:

May 1985 (number 20)

November 1985 (number 22)

January 1986 (number 23)

May 1986 (number 24)

August 1986 (number 25)

List of Subscribers

Burying Beetles - A Bibliography

Key to Apion species (translated from Freude, Harde & Lohse)

Should anyone require copies, please send a 12p stamp per copy to cover return postage or for the Apion key 4 x 12p stamps.

J.Cooter, 23 Meyrick Street, Hereford, HR4 0DY

Will anyone be prepared to organise a field meeting during 1987 ? Is anyone organising indoor meetings for 1987 ? If so, please let me know well in advance if you require the venture to be publicised in the "Newsletter"

J.Cooter.

RADNORSHIRE FIELD MEETING 6th 8th JUNE 1986

"The boundary counties of Wales are also promising and comparatively virgin hunting grounds." So wrote E.C. Rye in "On Collecting and counting Coleoptera" in "Hardwicke's Science Gossip" in 1866. Little did he realise that it would be 122 years before anything would be done to rectify the situation. During this one weekend in June, thirty four coleopterists put in more man-hours of entomological work in the county of Radnorshire than in the whole of that intervening period.

That the meeting was a great success there can be no doubt. After the appalling spring monsoon, the sun broke through on the Thursday before the meeting and the whole of the spring beetle season was compressed into the couple of days that we were in the counties of Radnor and Brecon. "Goodies" started turning up before the meeting was officially started. Furcicus rectirostris turned up both to Colin Johnson and Peter Skidmore and to my own party during the early part of Friday. This species, occurring on bird cherry and new to Britain from the Lake District in 1979, turned out to be quite common in Radnor and was new to Wales. Pyrrhidium sanguineum (another "star" of the weekend which turned up in a number of places), Schizotus pectinicornis (new to Wales) and Thvealus liebatus all turned up while waiting around the field centre for the first participants to arrive.

The rest of the weekend continued in a similar vein. Perhaps the most productive location turned out to be the extensive sand and shingle beds at Glasbury-on-Wye, where a full complement of riparian species turned up including rarities like Perileptus areolatus, Thalassophilus longicornis, Bidessus minutissimus, Georhissus crenulatus, Negastria sabulicola and Flautiauxellus maritimus as well as 16 species of Bebidion. Many thanks to the owner, Major de Minton, for allowing us access to the site for the weekend. The old oak woodlands of Coed Cnwch at Elan Village (mostly in Breconshire) also produced an excellent range of dead wood species including Pyrrhidium, Schizotus, Thvealus, Aplodnemeus nigricornis and Xyloterus signatus, as well as Calloscea inquisitor in abundance and yet another site for Furcicus. Bailey Eion Wood also turned up many rarities and a never-to-be-forgotten sight there was all three British cardinal beetles within an area of a few square yards. Not quite a "first" but a great rarity was Selatossenus angustulus, found in abundance in meadows by the River Ithon at Disserth by Tom Eccles and co. This species was previously known only from its original locality in Shropshire in the 1930s and a single specimen I had found at Llandeilo Graban in Radnorshire in 1983.

So productive was the first day that certain coleopterists were out and about by 7.30 a.m. on the Sunday to make the most of their remaining time in the field, despite a very late night/early morning after the Coleopterists' Dinner at the New Inn in Newbridge-on-Wye the night before.

I have taken the unusual step of including all records supplied to me in the following list, the "goodies" (as defined in the latest edition of Paul Hyman's national coleoptera review) underlined. My main reason for including all records is that both counties are so poorly known to coleopterists that the list almost adds up to a summary of current knowledge - breaking most of the rules suggested in Dave Sheppard's article above (all records are held in a computer database on Radnor Coleoptera, with a view to producing a "proper" fauna in the fullness of time). Any information that anyone has on beetles in the county would obviously be most welcome.

My thanks to everyone who contributed to the success of the weekend (especially to those who relieved Rosy and I of the burden of cooking breakfast and washing up afterwards) and to those who contributed their records. Some of the spellings of Welsh place names gave great amusement and caused some confusion! My apologies to those Coleopterists whom I have been badgering for lists in the last couple of weeks but was finally unable to include their records (working on the I.S.R. is good training at pestering people for information!). Jonathon gave me a strict deadline for the report for the newsletter which I had to stick to. I promise faithfully that I will include all subsequent records in a supplement in the next newsletter, so please let me have any further information resulting from the weekend.

It seems that we have put Radnorshire firmly on the Coleopterists' map, and I gather that there have already been a couple of follow-up visits to the county and at least one major beetle expedition is planned for 1987. Keep up the good work!

Roger Key. Invertebrate Site Register. N.C.C. Peterborough.

CEEDYDD GLANAU Y CWM COEL SN9064 etc.
described by most as bare open woods.
Mainly oak woodland on hillside by
reservoir. Streams and Sphagnum flushes.

A Darby T Eccles P Hodge D Prance
P Whitehead

Carabus problematicus (Herbst)
Calosoma inquisitor (Linnaeus)
Notiophilus biguttatus (Fabricius)
Leucicera pilicornis (Fabricius)
Nebria brevicollis (Fabricius)
Beambidion laapros (Herbst)
Beambidion dentellus (Thunberg)
Pterostichus madidus (Fabricius)
interesting variety P. Whitehead
Pterostichus niger (Schaller)
Pterostichus oblongopunctatus (F.)
Pterostichus vernalis (Panzer)
Abax parallelepipedus (Fill & Mitt)
Calathus micropterus (Duftschaid)
Calathus piceus Marsham
Agonum marginatum (Linnaeus)
Agonum assimile (Paykull)
Araa plebeja (Gyllenhal)
Cercyon melanocephalus (Linnaeus)
Hister lapressus Fabricius
Ptenidium nitidum (Heer)
Euryptilium saxonicum (Gillmeister)
Ptiliolum fuscum (Erichson)
Baeocrara variolosa Muls. & Rey
Acrotrichis cognata (Matthews)
Acrotrichis fascicularis (Herbst)
Anisotoma humeralis (Fabricius)
Necrodes littoralis (Linnaeus)
Dendroena quadrimaculata (Scopoli)
Neuraphes elongatulus (Muller & Kunze)
Stenichnus collaris (Muller & Kunze)
Acrulia inflata (Gyllenhal)
Phloeocharis subtilissima Mannerheim
Atrechus affinis (Paykull)
Philonthus marginatus (Strom)
Philonthus varians (Paykull)
Quedius xanthopus Erichson
Bolitocnara obliqua Erichson
Aleochara curtula (Goetze)
Aleochara lanuginosa Gravenhorst
Bibloperus bicolor (Denny)
Sinodendron cylindricum (Linnaeus)
Geotrupes stercorosus (Scriba)
Aphodius fossor (Linnaeus)
Aphodius depressus (Kucelann)
Melanotus erythropus (Gaeelin)
Athous haemorrhoidalis (Fabricius)
Ctenicera cuprea (Fabricius)
Dalopius marginatus (Linnaeus)
Denticollis linearis (Linnaeus)
Cantharis obscura Linnaeus
Rhagonycha lignosa (Muller)
Thymalus liabatus (Fabricius)
Oasita discolor (Fabricius)
Rhizophagus dispar (Paykull)
Cerylon ferruginneum Stephens
Schizotus pectinicornis (Linnaeus)
Aseum striatum (Linnaeus)
Rhagium mordax (Gegeer)
Rhagium bifasciatum Fabricius
Otiorynchus singularis (Linnaeus)
Phyllobius argentatus (Linnaeus)
Phyllobius calcaratus (Fabricius)
Polydrusus cervinus (Linnaeus)
Strophoscaeus melanograeus (Forster)

CEED CEPH CENNARTH SN9476
R.S.M.T. Reserve
Sessile oak woodland.

M Darby

Acrotrichis fraterna Johnson
Acrotrichis interaedia (Gillmeister)

CEED CNWCH, ELAN VILLAGE SN9364

On Brecon/Faons border. Mostly in Brecon.
Oak woodland with very old trees.
Not public access woods as we thought!

M Darby M Collier P Hyman C Johnson
D Lott P Skidmore

Calosoma inquisitor (Linnaeus)
Beambidion decorum (Zenker)
Pterostichus nigrita (Paykull)
Pterostichus oblongopunctatus (Fabr.)
Pterostichus cupreus (Linnaeus)
Abax parallelepipedus (Fill & Mitt)
Dromius quadrimaculatus (Linnaeus)
Ptenidium nitidum (Heer)
Ptiliolum fuscum (Erichson)
Baeocrara variolosa Muls. & Fey
Acrotrichis grandicollis (Mannerheim)
Acrotrichis interaedia (Gillmeister)
Anisotoma humeralis (Fabricius)
Agathidium seminulum (Linnaeus)
Eusphalarum sorbi (Gyllenhal)
Acrulia inflata (Gyllenhal)
Phloeoncus punctipennis Thomson
Phloeocharis subtilissima Mannerheim
Gabrius splendidulus (Gravenhorst)
Leptusa fumida Kraatz
Leptusa pulchella (Mannerheim)
Bolitocnara obliqua Erichson
Atheta atricolor (Sharp)
Atheta sordidula (Erichson)
Oxyptera lividipennis Mannerheim
Aleochara intricata Mannerheim
Sinodendron cylindricum (Linnaeus)
Geotrupes stercorosus (Scriba)
Aphodius equestris (Panzer)
Aphodius pusillus (Herbst)
Aphodius fimetarius (Linnaeus)
Aphodius ater (Gegeer)
Ampedus balteatus (Linnaeus)
Melanotus erythropus (Gaeelin)
Athous haemorrhoidalis (Fabricius)
Denticollis linearis (Linnaeus)
Cantharis obscura Linnaeus
Thymalus liabatus (Fabricius)
Bolitocnara nigricornis (Fabricius)
Rhizophagus dispar (Paykull)
Rhizophagus ferrugineus (Paykull)
Atomaria nitidula (Marsham)
Atomaria ruficornis (Marsham)
Atomaria fuscata (Schoenherr)
Atomaria apicalis Erichson
Atomaria berlinensis Kraatz
Cerylon ferruginneum Stephens
Enicmus testaceus (Stephens)
Ocotennis glabrilis (Gyllenhal)
Cis hispidus (Paykull)
Cis boleti (Scopoli)
Cis festivus (Panzer)
Cis bidentatus (Olivier)
Rhinosius ruficollis (Linnaeus)
Rhinosius planirostris (Fabricius)
Schizotus pectinicornis (Linnaeus)
Rhagium bifasciatum Fabricius
Rhagium mordax (Gegeer)
Pyrrhidium sanguineum (Linnaeus)
Loxnaea crataegi (Forster)
Rhynchites aequatus (Linnaeus)
Barypterus areolaris (Schrank)
Furcicus rectirostris (Linnaeus)
Scolytus intricatus (Fitzburg)
Dryocetinus villosus (Fabricius)
Xyloterus domesticus (Linnaeus)
Xyloterus signatus (Fabricius)

ELYN FORD SN9665 (Brecons)

River banks at confluence of Hye & Elan

C Johnson P Skidmore

Beambidion harpaloides Serville
Beambidion tibiale (Duftschaid)
Megarthus depressus (Paykull)
Coryphium angusticollis Stephens

ELANFORD FRYDD 5007

Frunus padus by River Ithon

C Johnson P Skidmore

Malthodes fibulatus Kiesenwetter
Meligethes atratus (Olivier)
Phytocecta pallida (Linnaeus)
Anthonomus bituberculatus Thomson
Anthonomus pedicularis (Linnaeus)
Furcicus rectirostris (Linnaeus)

DOLGOLOD ESTATE SN9959 Brecons
Private parkland with big old oaks.

K Alexander R Key D Shirt

Pterostichus niger (Schaller)
Abax parallelepipedus (Fill. & Mitt.)
Anisotoma humeralis (Fabricius)
Atrechus affinis (Paykull)
Quedius mesomelinus (Marsham)
Tachyporus nitidulus (Fabricius)
Tachinus signatus (Gravenhorst)
Cypha laeviuscula (Mannerheim)
Sinodendron cylindricum (Linnaeus)
Geotrupes stercorarius (Linnaeus)
Aphodius equestris (Panzer)
Aphodius erraticus (Linnaeus)
Aphodius fossor (Linnaeus)
Aphodius prodromus (Brahm)
Onthophagus similis (Scriba)
Cantharis cryptica Ashe
Cantharis nigricans (Muller)
Cantharis pellucida Fabricius
Rhagonycha lignosa (Muller)
Rhagonycha femoralis (Erulle)
Ctesias serra (Fabricius)
Gryncobius planus (Fabricius)
Thymalus liabatus (Fabricius)
Ecuraea melina Erichson
Rhizophagus nitidulus (Fabricius)
Cerylon ferruginneum Stephens
Bitona crenata (Fabricius)
Pyrrhocera coccinea (Linnaeus)
Schizotus pectinicornis (Linnaeus)
Pyrrhidium sanguineum (Linnaeus)
Loxnaea crataegi (Forster)
Phyllobius pyri (Linnaeus)
Anthonomus pedicularis (Linnaeus)
Furcicus rectirostris (Linnaeus)

LLYDINAM ESTATE 500656 Brecons
Park, gardens & woodland

A Drane D Lott D Shirt

Margus velox (Spence)
Scydmaenus tarsatus (Muller & Kunze)
Ooalium rivulare (Paykull)
Athylus tetracaratus (Block)
Lithocharis nigricaps Kraatz
Philonthus fimetarius (Gravenhorst)
Philonthus varians (Paykull)
Autalia rivularis (Gravenhorst)
Atheta aterrima (Gravenhorst)
Atheta interaedia (Thomson)
Atheta cadaverina (Brisout)
Atheta trinotata (Kraatz)
Atheta harwoodi Williams
Atheta boreella Brundin
Melolontha melolontha (Linnaeus)
Hylaeetus cernaeoides (Linnaeus)
Pyrrhidium sanguineum (Linnaeus)
(recorded 1955 MSK)

ABERITHON TURBARY 500157

H.E.N.I. Reserve
Basin mire with floating Sphagnum, fen
and carr, surrounded by meadow with
hawthorns.

K Alexander M Darby D Hemingway P Hodge
C Johnson D Lott P Skidmore

Elaphrus cupreus Duftschmid
Leistus ferrugineus (Linnaeus)
Nebria brevicollis (Fabricius)
Loricera pilicornis (Fabricius)
Beabidion doris (Panzer)
Beabidion varium (Olivier)
Pterostichus strenuus (Panzer)
Pterostichus minor (Gyllenhal)
Pterostichus madidus (Fabricius)
Pterostichus nigrita (Paykull)
Agonum aestivum (Duftschmid)
Agonum gracile Sturm
Agonum viduum (Panzer)
Agonum piceum (Linnaeus)
Agonum albipes (Fabricius)
Agonum fuliginosum (Panzer)
Amara plebeja (Gyllenhal)
Amara ovata (Fabricius)
Amara familiaris (Duftschmid)
Acupalpus dubius Schilsky
Agabus unguicularis Thomson

Nyctinus ater (Degeer)
Ptenidium nitidum (Heer)
Ptiliolum fuscum (Erichson)
Acrotichis sitkaensis (Motschulsky)
Acrotichis insularis (Maklin)
Acrotichis intermedia (Gillmeister)
Oxytelus laqueatus (Marshall)
Stenus rogeri Kraatz
Stenus latifrons Erichson
Stenus bifoveolatus Gyllenhal
Stenus junco (Paykull)
Euaethetus ruficapillus Bois. & Lacc.
Lathrobium terminatum (Gravenhorst)
Philonthus finetarius (Gravenhorst)
Quedius mauricrus (Gravenhorst)
Nyllaena intermedia Erichson
Nyllaena dubia (Gravenhorst)
Atheta intermedia (Thomson)
Atheta cinnaeoptera (Thomson)
Atheta laevana (Muls. & Rey)
Deubelia picea (Aube)
Ocyusa naura (Erichson)
Aphodius equestris (Panzer)
Aphodius schacelatus (Panzer)
Microcara testacea (Linnaeus)
Cyphon padi (Linnaeus)
Cyphon luridus (Erichson)
Athous vittatus (Fabricius)
Cantharis rustica Fallén
Cantharis decipiens Baudi
Cantharis nigricans (Muller)
Rhagonycha lignosa (Muller)
Kateretes rufilabris (Latreille)
Euraea distincta (Erianger)
Coccidula ruta (Herbst)
Anisosticta 19-punctata (Linnaeus)
Rhagium bifasciatum Fabricius
Rhagium mordax (Degeer)
Plateumaris sericea (Linnaeus)
Donacia impressa Paykull
Oulema melanopa (Linnaeus)
Lea cyanella (Linnaeus)
Chrysolina staphylea (Linnaeus)
Gastrophysa viridula (Degeer)
Phaedon cochleariae (Fabricius)
Phyllodecta vulgatissima (Linnaeus)
Hydrothassa marginella (Linnaeus)
Galerucella tenella (Linnaeus)
Galerucella sagittariae (Gyllenhal)
Lochmaea crataegi (Forster)
Lochmaea suturalis Thomson
Derocephalus rufipes (Linnaeus)
Chalcoides fulvicornis (Fabricius)
Chaetocnema concinna (Marshall)

ABERITHON TURBARY 500157

Apon erivi Kirby
Strophosomus nebulosus Stephens
Phyllobius oblongus (Linnaeus)
Lianobaris sp.
Miccotrogon picrostris (Fabricius)
Rhynchaenus fagi (Linnaeus)

6095-V-LLYN 500155

National Nature Reserve
Double basin mire with floating Sphagnum
Dwarfed pines. Meadow & pond.

D Hemingway

Cicindela campestris (Linnaeus)
Notiphilus biguttatus (Fabricius)
Loricera pilicornis (Fabricius)
Clivina fossor (Linnaeus)
Pterostichus madidus (Fabricius)
Pterostichus nigrita (Paykull)
Donacia simplex Fabricius
Plateumaris discolor (Panzer)
Phaedon cochleariae (Fabricius)
Lochmaea capreae (Linnaeus)
Chalcoides fulvicornis (Fabricius)

DISSERTON 500358

Meadows and hedges with Prunus padus
by River Ithon with sand & shingle banks.

T Eccles H Henson P Hodge P Hyman D Lott
P Whitehead

Beabidion punctulatum Drapiez
Beabidion tetracolum Say
Deleaster dichrous (Gravenhorst)
Stenus rogeri Kraatz
Philonthus marginatus (Strom)
Achodius prodromus (Erdm)
Zoroehrus minimus (Bois. & Lacc.)
Selatoscopus incanus (Gyllenhal)
Selatoscopus anostulus (Kiesenwetter)
Denticollis linearis (Linnaeus)
Cantharis rustica Fallén
Rhagonycha lignosa (Muller)
Galerucella lineola (Fabricius)
Gastrophysa viridula (Degeer)
Derocephalus rufipes (Linnaeus)
Polydrusus pterygealis Boheman
Ceutorhynchus litura (Fabricius)
Furcicus rectirostris (Linnaeus)

DOL BAFOUT WOOD 500862

Mixed deciduous woodland with big old
oaks. Pasture & hedges by R. Ithon.

A Drane H Henson

Clivina collaris (Herbst)
Clivina fossor (Linnaeus)
Pterostichus madidus (Fabricius)
Calathus melanocephalus (Linnaeus)
Helophorus avernicus Mulsant
Eusphalarum sorbi (Gyllenhal)
Melolontha melolontha (Linnaeus)
Aphodius erraticus (Linnaeus)
Athous haemorrhoidalis (Fabricius)
Ctesias serra (Fabricius)
Meligethes atratus (Olivier)
Byturus sp.
Propylea 14-punctata Linnaeus
Schizotus pectinicornis (Linnaeus)
Anaspis humeralis (Fabricius)
Anaspis regimbarti Schilsky
Anaspis maculata Fourcroy
Rhagium mordax (Degeer)
Hippuriphila modesta (Linnaeus)
Furcicus rectirostris (Linnaeus)

BAILEY EYNON WOOD 500861

H.E.N.I. Reserve
Mixed deciduous woodland on steep slope
Shingle & sand banks by River Ithon.

A Drane, H.Henson, K.Alexander, D Shirt
D.Bilton, R.Key

Carabus granulatus Linnaeus
Elaphrus cupreus Duftschmid
Elaphrus riparius (Linnaeus)
Clivina collaris (Herbst)
Clivina fossor (Linnaeus)
Asaphidion flavipes (Linnaeus)
Beabidion punctulatum Drapiez
Beabidion dentellum (Thunberg)
Beabidion decorum (Zenker)
Beabidion harpaloides Serville
Beabidion tetracolum Say
Beabidion tibiale (Duftschmid)
Beabidion varium (Olivier)
Pterostichus nigrita (Paykull)
Pterostichus cupreus (Linnaeus)
Pterostichus madidus (Fabricius)
Abax parallelepipedus (Pill. & Mitt.)
Calathus melanocephalus (Linnaeus)
Agonum assimile (Paykull)
Agonum fuliginosum (Panzer)
Agonum muelleri (Herbst)
Amara familiaris (Duftschmid)
Georissus crenulatus (Ross)
Melichnotus avernicus Mulsant
Hydraena gracilis Bernar
Agathidium nigripenne (Fabricius)
Oiceoptoma thoracicum (Linnaeus)
Proteinus ovalis Stephens
Lesteva longolytra (Boeze)
Stenus boops Ljungh
Stenus guttula Muller
Gyrophaena affinis Mannerheim
Gyrophaena gentilis Erichson
Gyrophaena munsteri Strand
Sinodendron cylindricum (Linnaeus)
Melolontha melolontha (Linnaeus)
Heterocerous marginatus (Fabricius)
Oulinus tuberculatus (Muller)
Zoroehrus minimus (Bois. & Lacc.)
Athous haemorrhoidalis (Fabricius)
Athous vittatus (Fabricius)
Agriotes pallidulus (Illiger)
Denticollis linearis (Linnaeus)
Cantharis pellucida Fabricius
Cantharis nigricans (Muller)
Rhagonycha fulva (Scopoli)
Meligethes atratus (Olivier)
Euraea ?neglecta (Heer)
Euraea melanocephala (Marshall)
Blischrochilus quadriguttatus (Fabricius)
Cervion ferrugineum Stephens
Anisosticta 19-punctata (Linnaeus)
Adalia 10-punctata (Linnaeus)
Coccinella 7-punctata Linnaeus
Propylea 14-punctata Linnaeus
Rhinostomus planirostris (Fabricius)
Pyrochroa coccinea (Linnaeus)
Pyrochroa serraticornis (Scopoli)
Schizotus pectinicornis (Linnaeus)
Urcnesia undulata Kraatz
Abdera biflexuosa (Curtis)
Pyrrhidium sanguineum (Linnaeus)
Lea cyanella (Linnaeus)
Oulema lichenis Voet
Chrysolina polita (Linnaeus)
Gastrophysa viridula (Degeer)
Phaedon armoraciae (Linnaeus)
Hydrothassa marginella (Linnaeus)
Phytodecta pallida (Linnaeus)
Noterpedon globosa (Illiger)
Noterpedon orbiculata (Marshall)
Sciaphilus asperatus (Bonsdorff)
Barynotus naerens (Fabricius)
Leiosoma deflexum (Panzer)
Notaris acridulus (Linnaeus)
Rhinoncus pericarpus (Linnaeus)
Furcicus rectirostris (Linnaeus)
Lyolotus signatus (Fabricius)

GLASBURY SHINGLE BEDS SO1840

Partly vegetated shingle & sand beds.
+ surrounding river banks with old
trees and hawthorns.

By kind permission of Major de Winton.

D Bilton M Collier M Darby A Drane
T Eccles H Henson P Hodoe P Hvean
C Johnson R Key D Lott A Mendel
M Morris D Prance P Skidmore P Whitehead

Notiophilus biguttatus (Fabricius)
Elaphrus cupreus Duftschmid
Elaphrus rufus (Linnaeus)
Clivina collaris (Herbst)
Ferilectus areolatus (Guenther)
Thalassophilus longicornis (Sturm)
Bembidion laevius (Herbst)
Bembidion punctulatum Drapiez
Bembidion guttula (Fabricius)
Bembidion quadrimaculatum (Linnaeus)
Bembidion atrocaeruleum Stephens
Bembidion monticola Sturm
Bembidion dentellum (Thunberg)
Bembidion tetracolum Say
Bembidion biguttatum (Fabricius)
Bembidion tibiale (Duftschmid)
Bembidion dentellum (Thunberg)
Bembidion decorum (Zetter)
Bembidion lunulatum (Fourcroy)
Bembidion harpaloides Serville
Bembidion foveolatum Sturm
Bembidion fluviatile Degeer
Pterostichus vernalis (Panzer)
Pterostichus nigrita (Paykull)
Pterostichus cupreus (Linnaeus)
Agonum albipes (Fabricius)
Agonum assimile (Paykull)
Agonum fuliginosum (Panzer)
Agonum acesum (Duftschmid)
Agonum obscurum Herbst
Agonum micans Nicolai
Aara plebeja (Gyllenhal)
Aara aenea (Degeer)
Harpalus rufipes (Degeer)
Harpalus affinis (Schrank)
Demetrias atricapillus (Linnaeus)
Bidessus minutissimus (Germar)
Oreocetes septentrionalis (Sahlberg)
Oreochilus villosus (Muller)
Helophorus aeneus (Mulsant)
Cercyon atoearius (Fabricius)
Cryptoleurum minutum (Fabricius)
Laccobius sp.
Paralister carbonarius (Hoffmann)
Lianebeis truncatellus (Thunberg)
Hydraena rufipes Curtis
Ptenidium longicorne ruf.
Ptenidium nitidum (Heer)
Ptenidium pusillum (Gyllenhal)
Acrotichis atomaria (Degeer)
Acrotichis grandicollis (Mannerheim)
Megarthus denticollis (Beck)
Eusphalerus praeulae (Stephens)
Lesteva longoclytra (Goetz)
Onalium rivulare (Paykull)
Ochtheophilus ovalis (Erichson)
Ochtheophilus sp. ind.
Thinoderus arcuatus (Stephens)
Carcelius rivularis (Motschulsky)
Stenus rogeri Kraatz
Stenus junco (Paykull)
Stenus guttula Muller
Stenus bimaculatus Gyllenhal
Stenus comae LeConte
Stenus spallitarsis Stephens
Stenus tarsalis Ljungh
Stenus boops Ljungh
Diancus coerulescens (Gyllenhal)

GLASBURY SHINGLE BEDS SO1840 cont.

Lathrobium angusticollis (Göls. & Lacc.)
Lathrobium multipunctum Gravenhorst
Medon ruficollis (Kraatz)
Gyronypus tracticornis (Muller)
Philonthus atratus (Gravenhorst)
Philonthus varius (Gyllenhal)
Philonthus varians (Paykull)
Philonthus micans (Gravenhorst)
Philonthus sanguinolentus (Gravenhorst)
Tachyporus hypnorum (Fabricius)
Tachyporus chrysoellinus (Linnaeus)
Tachyporus obtusus (Linnaeus)
Tachinus signatus Gravenhorst
Autalia rivularis (Gravenhorst)
Cordalia obscura (Gravenhorst)
Tachyusa constricta Erichson
Tachyusa atra (Gravenhorst)
Tachyusa leucopus (Marshall)
Hydroscapha subtilissima (Kraatz)
Gnypeta velata (Erichson)
Dinarea aequata (Erichson)
Atheta fungi (Gravenhorst)
Atheta aterrima (Gravenhorst)
Atheta scridula (Erichson)
Atheta laticollis (Stephens)
Chiloporata longitarsis (Erichson)
Oxyopa sp.
Tinotus acron (Gravenhorst)
Aleochara bipustulata (Linnaeus)
Aphodius erraticus (Linnaeus)
Esolus parallelepipedus (Muller)
Hypnoidus riparius (Fabricius)
Pleuroxellus maritimus (Curtis)
Megastria sabulicola (Boneman)
Zorochrus minimus (Göls. & Lacc.)
Athous haemorrhoidalis (Fabricius)
Selatossus incanus (Gyllenhal)
Agriotes obscurus (Linnaeus)
Agriotes pallidulus (Illiger)
Cantharis nigricans (Muller)
Xestobium rufivillosum (Degeer)
Dasytes aeratus Stephens
Hylecoetus dermostoides (Linnaeus)
Kateretes bipustulatus (Paykull)
Byturus tomentosus (Degeer)
Dacne bipustulata (Thunberg)
Dacne rufifrons (Fabricius)
Subcoccinella 24-punctata (Linnaeus)
Rhynchobius litura (Fabricius)
Coccinella 7-punctata Linnaeus
Propylea 14-punctata Linnaeus
Enicospilus transversus (Olivier)
Corticarina fuscata (Gyllenhal)
Mycetophagus multipunctatus Fabricius
Eledona agricola (Herbst)
Pyrocroba serraticornis (Scopoli)
Anaspis humeralis (Fabricius)
Anaspis regibarti Schilsky
Anaspis frontalis (Linnaeus)
Anaspis maculata Fourcroy
Mordellistena abdominalis (Fabricius)
Ischnocera sanquicollis (Fabricius)
Ischnocera caerulea (Linnaeus)
Rhagium mordax (Degeer)
Eræoptera ruficornis (Fabricius)
Leipus nebulosus (Linnaeus)
Stenostola ferrea (Schrank)
Tetrops praevista (Linnaeus)
Oulea lichenis Voet
Oulea melanopa (Linnaeus)
Chrysolina polita (Linnaeus)
Gastrophysa viridula (Degeer)
Phaedon cochleariae (Fabricius)
Hydrothassa marginella (Linnaeus)
Prasocuris junco Brahm
Phyllotreta undulata Kutschera
Chaetocnema concinna (Marshall)
Chaetocnema hortensis (Fourcroy)

GLASBURY SHINGLE BEDS SO1840 cont.

Chalcoides plicatus (Latreille)
Psylliodes affinis (Paykull)
Psylliodes picina (Marshall)
Cassida rubiginosa Muller
Rhynchites germanicus Herbst
Apion hydrolypathi (Marshall)
Apion ulicis (Forster)
Apion miniatum Germar
Apion curtirostre Germar
Phyllobius poaceus Gyllenhal
Phyllobius calcaratus (Fabricius)
Phyllobius pyri (Linnaeus)
Phyllobius roboretanus Eredler
Licphiceus tessulatus (Muller)
Barypithes pellucidus (Boheman)
Leioscama deflexum (Panzer)
Hypera ruficollis (Linnaeus)
Doryctopus ictor (Herbst)
Cionorhinus 4-maculatus (Linnaeus)
Ceutorhynchus pollinarius (Forster)
Ceutorhynchus quadridens (Panzer)
Ceutorhynchus floralis (Paykull)
Ceutorhynchus alliariae Briscot
Ceutorhynchus assimilis (Paykull)
Rhinoncus pericarpus (Linnaeus)
Anthonomus pedicularius (Linnaeus)
Curculio salicivorus Paykull
Dryocetinus villosus (Fabricius)

LANEBOUR HILL SO1448

Moored with millstreams & Sphagnum bog

A Drane H Henson P Whitehead

Carabus arvensis (Herbst)
Carabus granulatus Linnaeus
Carabus problematicus (Herbst)
Nebria salina Fairé. & Lab.
Nebria gyllenhalii (Schoenherr)
Nebria brevicollis (Fabricius)
Notiophilus aquaticus (Linnaeus)
Notiophilus substriatus Waterhouse
Stenus pumicatus (Panzer)
Pterostichus cupreus (Linnaeus)
Pterostichus versicolor (Sturm)
Pterostichus adstrictus Eschscholtz
Pterostichus madidus (Fabricius)
Pterostichus nigrita (Paykull)
Abax parallelepipedus (Fill & Mitt)
Calathus melanocephalus (Linnaeus)
Agonum aueleri (Herbst)
unusual variety P Whitehead
Agonum albipes (Fabricius)
Harpalus affinis (Schrank)
Harpalus rufipes (Degeer)
Hydroporus pubescens (Gyllenhal)
Anacaena globulus (Paykull)
Cercyon haemorrhoidalis (Fabricius)
Cercyon melanocephalus (Linnaeus)
Lianebeis truncatellus (Thunberg)
Microphorus vespillo (Linnaeus)
Thanetophilus rugosus (Linnaeus)
Lesteva longoclytra (Goetz)
Stenus guttula Muller
Stenus boops Ljungh
Stenus guynemeri (J. du Vall)
Dianthus coerulescens (Gyllenhal)
Iantholinus linearis (Pliivier)
Philonthus sanguinolentus (Gravenhorst)
Stachylinus aeneocephalus Degeer
Aphodius ater (Degeer)
Aphodius prodromus (Brahm)
Ctenicera cuprea (Fabricius)
Selatossus aeneus (Linnaeus)
Dalopius marginatus (Linnaeus)
Lechma suturalis Thomson
Acalles otinoides (Marshall)

CILIAU DINGLE S01042

Edge of fast stream (Bach Howe Brook)
Mixed deciduous woodland, partly
underplanted with conifers.
A number of records from Llandeilo
Graben Road verge are probably included
here as some recorders did not
differentiate the two sites.

M Collier M Darby P Hodge P Hyman
D Lott H Mendel M Morris D Prance

Motiophilus biguttatus (Fabricius)
Elaphrus cupreus Duftschaid
Embiidion atrocaeruleum Stephens
Embiidion guttula (Fabricius)
Pterostichus madidus (Fabricius)
Pterostichus nigrita (Paykull)
Abax parallelepipedus (Pill & Mitt)
Abara aenea (Degeer)
Abara plebeja (Gyllenhal)
Anacaena globulus (Paykull)
Hister striola Sahlberg
Lianebeius truncatellus (Thunberg)
Ptenidium nitidum (Heer)
Ptiliolum fuscum (Erichson)
Colenis imunda (Sturm)

Scaphisoma quadrimaculatum (Linnaeus)
Lesteva longelytra (Goetze)
Eusohalium praeulae (Stephens)
Stenus flavipes Stephens
Stenus picipes Stephens
Stenus bimaculatus Gyllenhal
Stenus impressus Germar
Stenus similis (Herbst)
Stenus fulvicornis Stephens
Stenus tarsalis Ljungh
Stenus boops Ljungh
Dianous caeruleus (Gyllenhal)
Quedius umbrinus Erichson
Mycetopus lepidus (Gravenhorst)
Tachyporus hypnorum (Fabricius)
Tachyporus chrysoelinus (Linnaeus)
Tachyporus solutus Erichson
Tachyporus obtusus (Linnaeus)
Tachinus signatus Gravenhorst
Callicerus rigidicornis (Erichson)
Atheta fungi (Gravenhorst)
Atheta crassicornis (Fabricius)
Aleochara brevipennis Gravenhorst
Sinocendron cylindricum (Linnaeus)
Phyllopertha horticola (Linnaeus)
Elodes marginata (Fabricius)
Byrrhus pilula (Linnaeus)
Melanotus erythropus (Geelin)
Athous vittatus (Fabricius)
Athous haemorrhoidalis (Fabricius)
Selatoscopus incanus (Gyllenhal)
(Selatoscopus bipustulatus (Linnaeus))
(recorded in 1955 NSK)

Ctenicera cuprea (Fabricius)
Agriotes obscurus (Linnaeus)
Agriotes pallidulus (Illiger)
Agriotes acuminatus (Stephens)
Agriotes lineatus (Linnaeus)
Dalopius marginatus (Linnaeus)
Denticollis linearis (Linnaeus)
Podabrus allpinus (Paykull)
Ancistronychus abdeonialis (Fabricius)
Cantharis rustica Fallén
Cantharis decipiens Baudi
Cantharis nigricans (Muller)
Cantharis pellucida Fabricius
Rhagonycha testacea (Linnaeus)
Rhagonycha lignosa (Muller)
Malthodes fibulatus Kiesenwetter
Malthodes marginatus (Latreille)
Hylecoetus derestoides (Linnaeus)
Kateretes bipustulatus (Paykull)
Meligethes bidens Brisout
Cychraeus luteus (Fabricius)
Byturus tomentosus (Degeer)
Cerylon ferruginneum Stephens

CILIAU DINGLE S01042 cont.

Succocinella 24-punctata (Linnaeus)
Coccinella 7-punctata Linnaeus
Adalia 10-punctata (Linnaeus)
Propylea 14-punctata Linnaeus
Calvia 14-guttata (Linnaeus)
Octotenus glabriculus (Gyllenhal)
Mycetophagus quadripustulatus (Linnaeus)
Pyrochroa serraticornis (Scopoli)
Orchesia minor Walker

Ischnocera sanguinicollis (Fabricius)
Gegeera lurida (Marsham)
Stenostola ferrea (Schrank)
Dulema lichenis Voet
Dulema melanopa (Linnaeus)
Chrysolina staphylea (Linnaeus)
Gastrophysa viridula (Degeer)
Hydrothassa marginella (Linnaeus)
Phytodecta pallida (Linnaeus)
Phytodecta laticollis Suffrian
Galerucella lineola (Fabricius)
Dercopis rufipes (Linnaeus)
Chalcoides aurata (Marsham)
Altica sp ind
Chaetocnema hortensis (Fourcroy)
Chaetocnema concinna (Marsham)
Chaetocnema arida Foudras
Asteropoda bicocosa (Illiger)
Psylliodes napi (Fabricius)
Cassida flaveola Thunberg
Cassida rubiginosa Muller
Rhynchites aeneovirens (Marsham)
Rhynchites aequatus (Linnaeus)
Apion punctigerum (Paykull)
Apion oncopordi Kirby
Apion ervi Kirby
Apion trifolii (Linnaeus)
Apion curtirostre Germar
Apion ebeninum Kirby
Otiorynchus singularis (Linnaeus)
Phyllobius argentatus (Linnaeus)
Phyllobius pomaceus Gyllenhal
Phyllobius roboretanus Gredler
Phyllobius calcaratus (Fabricius)
Phyllobius pyri (Linnaeus)
Phyllobius oblongus (Linnaeus)
Polydrusus cervinus (Linnaeus)
Polydrusus pterygocalis Boheman
Polydrusus mollis (Strom)
Polydrusus undatus (Fabricius)
Barypithes pellucidus (Boheman)
Sciaphilus asperatus (Bonsdorff)
Strophoscaus nebulosus Stephens
Strophoscaus melanograeus (Forster)
Sitona suturalis Stephens
Sitona striatellus Gyllenhal
Sitona hispidulus (Fabricius)
Sitona sulcifrons (Thunberg)
Sitona lineatus (Linnaeus)
Ancolus roboris Suffrian
Leiosoma deflexum (Panzer)
Dorycteus rufatus (Bedel)
Notaris acridulus (Linnaeus)
Coeliodes rubicundus (Herbst)
Coeliodes ruber (Marsham)
Coeliodes dryados (Geelin)
Cidnorhinus 4-maculatus (Linnaeus)
Ceuthorhynchidius troglodytes (Fabr.)
Ceuthorhynchus cochleariae (Gyllenhal)
Ceuthorhynchus alliariae Brisout
Ceuthorhynchus pollinaris (Forster)
Ceuthorhynchus ?marginatus (Paykull)
Ceuthorhynchus floralis (Paykull)
Rhinoncus pericarpus (Linnaeus)
Phytobius quadripodosus (Gyllenhal)
Anthonomus pedicularius (Linnaeus)
Curculio pyrrhoceras Marsham
Curculio glandium Marsham
Curculio salicivorus Paykull
Mecinus pyraeter (Herbst)
Gyanetron veronicae (Germar)
Rhynchaenus pilosus (Fabricius)
Rhynchaenus fagi (Linnaeus)

LLANDEILO-GRABEN ROAD VERGE S0093438-
S0114413

R.A.N.T. Reserve
Species rich grassland on road verge.
Many species recorded under Ciliau Ding
may refer to this site.

M Morris

(Selatoscopus angustulus (Kiesenwetter))
(recorded 1955 NSK)

Rhynchites aequatus (Linnaeus)
Rhynchites germanicus Herbst
Apion hydrolyacathi (Marsham)
Apion loti Kirby
Apion violaceum Kirby
Apion fuscirostre (Fabricius)
Apion striatum (Marsham)
Apion cunctigerum (Paykull)
Apion ervi Kirby
Apion apricans Herbst
Apion trifolii (Linnaeus)
Apion curtirostre Germar
Otiorynchus singularis (Linnaeus)
Phyllobius argentatus (Linnaeus)
Phyllobius pomaceus Gyllenhal
Phyllobius roboretanus Gredler
Phyllobius calcaratus (Fabricius)
Phyllobius pyri (Linnaeus)
Phyllobius oblongus (Linnaeus)
Polydrusus cervinus (Linnaeus)
Polydrusus pterygocalis Boheman
Polydrusus undatus (Fabricius)
Strophoscaus nebulosus Stephens
Strophoscaus melanograeus (Forster)
Sitona suturalis Stephens
Sitona regensteinensis (Herbst)
Sitona striatellus Gyllenhal
Sitona sulcifrons (Thunberg)
Larinus olanus (Fabricius)
Cicnus hortulanus (Fourcroy)
Anoplus plantaris (Maezen)
Dorycteus rufatus (Bedel)
Coeliodes dryados (Geelin)
Cidnorhinus 4-maculatus (Linnaeus)
Ceuthorhynchidius troglodytes (Fabr.)
Ceuthorhynchus quadridens (Panzer)
Ceuthorhynchus euphorbiae Brisout
Rhinoncus castor (Fabricius)
Rhinoncus pericarpus (Linnaeus)
Anthonomus pedicularius (Linnaeus)
Curculio pyrrhoceras Marsham
Curculio venosus (Gravenhorst)
Curculio salicivorus Paykull
Miccaotrogus picirostris (Fabricius)
Mecinus pyraeter (Herbst)
Gyanetron veronicae (Germar)
Rhynchaenus avellanae (Donovan)
Rhynchaenus pilosus (Fabricius)
Rhynchaenus quercus (Linnaeus)
Rhynchaenus rusci (Herbst)
Rhynchaenus salicis (Linnaeus)
Rhynchaenus fagi (Linnaeus)

BOUGHWOOD BY RIVER WYE S013336A

Bare & vegetated banks of River Wye.

M Darby M Morris

Ptenidium longicorne Fuss
Apion curtirostre Germar
Phyllobius calcaratus (Fabricius)
Sitona suturalis Stephens
Ceuthorhynchidius troglodytes (Fabr.)
Ceuthorhynchus floralis (Paykull)

ABERDEEN ROCKS & RIVERBANK SO0844/0847

Wooded basic rock outcrops rising to
bilberry/heather moorland above
confluence of R Edw and R Wye.

K Alexander R Key D Shirt P Whitehead

Leistus spinibarbis (Fabricius)
Bembidion tibiale (Duftschmid)
Bembidion decorum (Zenker)
Agonum assimile (Paykull)
Agonum albipes (Fabricius)
Amara tibialis (Paykull)
Stenichnus collaris (Muller & Kunze)
Lesteva pubescens Mannerheim
Stenus bocops Ljungh
Stenus guttula Muller
Iantholinus longiventris Heer
Ectropoes vernalis (Linnaeus)
Geotrupes stercorarius (Linnaeus)
Aphodius fossor (Linnaeus)
Aphodius haemorrhoidalis (Linnaeus)
Aphodius luridus (Fabricius)
almost black variety DBS.
Aphodius meridarius (Fabricius)
Aphodius pusillus (Herbst)
new to Wales? DBS.
Aphodius ater (Degeer)
Aphodius sphaelatus (Panzer)
Melolontha melolontha (Linnaeus)
Serica brunnea (Linnaeus)
Cantharis obscura Linnaeus
Cantharis decipiens Gaudi
Cantharis nigricans (Muller)
Cantharis pellucida Fabricius
Rhagonycha lignosa (Muller)
Laapyris noctiluca (Linnaeus)
Agrypnus aurinus (Linnaeus)
Athous haemorrhoidalis (Fabricius)
Prosternon tessalatum (Linnaeus)
Selatosomus aeneus (Linnaeus)
Agriotes pallidulus (Illiger)
Triaxus dermestoides (Linnaeus)
Adalia 10-punctata (Linnaeus)
Anaspis frontalis (Linnaeus)
Genodera luperus (Herbst)
Chalcoites fulvicornis (Fabricius)
Derocephalus rufipes (Linnaeus)
Strophosomus nebulosus Stephens
Phyllobius calcaratus (Fabricius)
Baryptites areniformis (Schrank)

BUFFA BOGLAYOS SO272612

H.W.N.I. Reserve
Flood meadow and marsh by stream.

R Key

Elaophus cupreus Duftschmid
Eusphalarum minutum (Fabricius)
Cantharis pallida Goeze
Rhagonycha femoralis (Brulle)
Selatosomus incanus (Gyllenhal)
Denticollis linearis (Linnaeus)
Brachypterus glaber (Stephens)
Anaspis regibarti Schilsky
Anaspis humeralis (Fabricius)
Apion violaceum Kirby

RHOS-BOCH SO1948

National Nature Reserve
Raised peat bog with *Sphagnum* hollows
heather and birch/sallow carr, grading
into poor fen.

K Alexander M Collier A Drane
D Hemingway H Henson P Whitehead

Nebria brevicollis (Fabricius)
Blethisa multipunctata (Linnaeus)
Elaophus cupreus Duftschmid
Loricera pilicornis (Fabricius)
Bembidion doris (Panzer)
Bembidion aeneum Germ
Pterostichus melanarius (Illiger)
Pterostichus diligens (Sturm)
Pterostichus minor (Gyllenhal)
Pterostichus nigrita (Paykull)
Pterostichus vernalis (Panzer)
Agonum moestum (Duftschmid)
Agonum muelleri (Herbst)
Agonum gracile Sturm
Agonum viduum (Panzer)
Agonum thoreyi Dejean
Agonum piceum (Linnaeus)
Agonum albipes (Fabricius)
Amara aenea (Degeer)
Amara familiaris (Duftschmid)
Trichocellus placidus (Gyllenhal)
Acupalpus dubius Schilsky
Coelocoma orbiculare (Fabricius)
Cercyon melanocephalus (Linnaeus)
Enochrus coarctatus (Gredler)
Stenus juno (Paykull)
Atrechus affinis (Paykull)
Philonthus sanguinolentus (Gravenhorst)
Philonthus marginatus (Strom)
Philonthus varians (Paykull)
Trissemus impressa (Panzer)
Aphodius meridarius (Fabricius)
Aphodius haemorrhoidalis (Linnaeus)
Aphodius equestris (Panzer)
Aphodius sphaelatus (Panzer)
Hydrothassa marginella (Linnaeus)
Notaris acridulus (Linnaeus)

BOUGHROOD ROADSIDE SO141367

M Morris

Apion fuscirostre (Fabricius)
Apion seniculus Kirby
Apion loti Kirby
Apion assimile Kirby
Phyllobius roboretanus Gredler
Sitona regensteiniensis (Herbst)
Hypera plantaginis (Degeer)

CILKENNY DINGLE SO1741

Mixed deciduous woodland in gorge.
By kind permission of Major de Winton.

M Darby

Ptenidium nitidum (Heer)
Acrotichis grandicollis (Mannerheim)

THE 1986 COLEOPTERIST'S MEETING AT MONKS WOOD (18-20 April)

Following the highly successful Coleopterist's Weekend at Monks Wood in 1980 (from which this Newsletter was born!) recent feelings among coleopterist's have indicted that it has been long overdue for another similar event. So occurred the 1986 meeting.

Following the arrival of many participants on the evening of Friday 18, the meeting "kicked off" on the Saturday with numerous workshops and displays in the morning followed by a number of short talks in the afternoon and a dinner that evening. The Sunday was left open for site visits.

Briefly the agenda was as follows:-

Saturday 19 April Morning Session

Workshops were presented by: Colin Welch (Staphylinidae); Peter Hammond (Staphylinidae); Mike Cox (Chrysomelidae and Bruchidae); Howard Mendel (Elateridae - Eucnemidae); Garth Foster (aquatic Coleoptera); Andy Foster (aquatic Coleoptera); Dave Shirt (Scarabaeidae) and Roger Booth (Tachyporus Gravenhorst). Displays included: S.E.M. 'photos of Ptilidae, Pselaphidae etc (Ian McClenaghan); a display of specimens and 'photos from the Merseyside area, including Euplectus bonvouloiri Reitter (recently added to the British list) and an as yet un-named species of staphylinid (Tom Eccles); the biology of Cionus Clairville species (John Bullock); recording beetles in Leicestershire (Derek Lott); a display on the Balfour-Browne Club (Garth Foster); the fauna of dead wood (Keith Alexander) and a display on the Invertebrate Site Register (Nature Conservancy Council). Apologies if I've missed anybody out.

Afternoon Session

Talks presented were:-

John Muggleton - An illustrated report on the distribution of many of our Coccinellidae with an update on progress in the recording scheme.

Tom Eccles - A talk and slide show on Coleoptera in the Merseyside area.

Dave Shirt - News reports of the forthcoming Insect Red Data Book and A Coded Checklist of British Insects.

Howard Mendel - A talk and slide show on the biology and ecology of some of our Elateridae with hints on rearing.

Mike Cox - An illustrated talk on the taxonomy and distribution of the genus Longitarsus Berthold.

Roger Key - An update on the work of the Invertebrate Site Register plus an illustrated guide to the Llysdinam field meeting (see pages 17 - 22).

Paul Hyman - An introduction and progress report on the National Review of Coleoptera (it's come a long way since then).

Peter Hammond - An enlightening talk on the role of the British Museum (Natural History) in relation to other organisations and individuals.

In addition to the talks, 4 new recording schemes were launched and 1 relaunched. These are:- Scarabaeoidea (Dave Shirt); Buprestoidea and Cantharoidea (Keith Alexander); Orthocerous weevils [Nemonychidae - Apionidae] (Paul Hyman); Cleroidea, Lymexyloidea and Heteromera [in part] (Roger Key) and Cerambycidae (relaunched by Peter Twinn).

Sunday 20 April

The whole of this day was given over to field work mainly in Huntingdonshire and Cambridgeshire with the emphasis on 'new', little known and under-recorded sites rather than the 'famous' ones such as Woodwalton Fen etc. It is hoped that species lists for these sites will be presented in a forthcoming Newsletter (when I've got all the info!).

In conclusion I would like to thank everyone who helped, contributed and attended this 1986 meeting and perhaps in another five years or so, or hopefully earlier, we may have another such meeting. Certainly if attendance figures are a mark of success then the participation of 58 people for this meeting may certainly be regarded as such.

PAUL HYMAN
PETERBOROUGH
CAMBS