

## INVERTEBRATES (EXCLUDING LEPIDOPTERA) ON LUNDY 1997

The majority of the following records came from yellow water-traps placed in the Camping Field (with a small number from St John's Valley so specified) between 19th and 25th July 1997 by A.J.Parsons. The traps were cleared on 20th, 23rd and 25th July, which dates are used for the records. Additional records, including those from the island log, are also included.

### Odonata (dragonflies)

*Sympetrum striolatum* (Charp.) one on 22.07.97 and one on 19.09.97 (the common darter).  
Libellulidae.

### Orthoptera (grasshoppers, etc)

*Myrmeleotettix maculatus* (Thunb.) 02.08.97, Millcombe (R.S.Key). Acrididae. (A welcome return - the first record of the mottled grasshopper on Lundy for over 40 years.)

*Chorthippus brunneus* (Thunb.) frequent in July in many areas (the field grasshopper).  
Acrididae.

### Hemiptera (shieldbugs and leafhoppers)

*Heterogaster urticae* (Fab.) common on nettles in south east, 21.07.97. Lygaeidae.

*Lygocoris lucorum* (Mey.-Dür) common in south-east, 19.07.97. Miridae

*Calocoris norvegicus* (Gmel.) 20.07.97, male. Miridae.

*Philaenus spumarius* (L.) 20.07.97, female. Cercopidae. (The common 'cuckoo-spit' frogopper.)

*Neophilaenus lineatus* (L.) 20.07.97, ten. Cercopidae.

*Megophthalmus scabripennis* Eds 23.07.97, male. Cicadellidae.

*Anoscopus albifrons* (L.) 23.07.97, four males. Cicadellidae.

*Anoscopus flavostriatus* (Don.) 23.07.97, male. Cicadellidae. (A new record for the island.)

*Deltocephalus pulicaria* (Fall.) 23.07.97, 24. Cicadellidae.

*Psammotettix confinis* (Dahlb.) 20 & 23.07.97, seven. Cicadellidae.

*Alnetoidea alneti* (Dahlb.) 23.07.97, male. Cicadellidae. (A widespread species on many broadleaved trees, not recorded previously from Lundy.)

### Trichoptera (caddis-flies)

*Limnephilus auricula* Curt. 19.07.97, male. Limnephilidae.

### Coleoptera (beetles)

*Cicindela campestris* L. recorded between 16.05 and 20.07.97 with a maximum of two on any one day (the green tiger beetle). Carabidae.

*Nebria brevicollis* (Fab.) 23.07.97, 27 in yellow water-trap in Bull's Paradise. Carabidae.

*Calathus fuscipes* (Goeze) 23.07.97, three. Carabidae.

*Calathus melanocephalus* (L.) 04.06.97, one by Benson's Cave (R.S.Key). Carabidae.

*Dromius linearis* (Oliv.) 25.07.97, one in yellow water-trap, St John's Valley. Carabidae.

*Dromius notatus* Steph. 04.06.97, one by Benson's Cave (R.S.Key). Carabidae.

*Metabletus foveatus* (Fourc.) 04.06.97, one by Benson's Cave (R.S.Key). Carabidae.

- Hygrobius herrmanni* (Fab.) 29.05.97, one in Quarter-wall Pond (Emma Hubbard) (the screech-beetle). Hygrobiidae.
- Eusphalerum luteum* (Marsh.) 23.07.97, one. Staphylinidae. (This small, flower-beetle does not appear to have been recorded previously from the island.)
- Anotylus tetracarinatus* (Block) 25.07.97, one in yellow water-trap, St John's Valley. Staphylinidae.
- Ocytus olens* (Müll.) 23.07.97, one (the devil's coach-horse). Staphylinidae.
- Amischa analis* (Grav.) 23.07.97, one in yellow water-trap, St John's Valley. Staphylinidae.
- Typhaeus typhoeus* (L.) many recorded between 27.05 and 07.10.97 (the minotaur beetle). Geotrupidae.
- Geotrupes stercorarius* (L.) recorded between 21.05 and 26.05.97 with a maximum of two on any one day (a dor beetle). Geotrupidae.
- Geotrupes stercorosus* (Scriba) one, 20.07.97 (a dor beetle). Geotrupidae.
- Cetonia aurata* (L.) many recorded between 26.05 and 05.07.97 (the rose chafer). Scarabaeidae.
- Cardiophorus erichsoni* de Buys. one, west side, 100 m south of Old Light level (R.S.Key). Elateridae.
- Melanotus villosus* (Geoff.) 30.05.97, one (R.S.Key). Elateridae.
- Athous haemorrhoidalis* (Fab.) one recorded on 26.05.97. Elateridae.
- Prosternon tessellatum* (L.) 01.06.97, one, west side, 100 m south of Old Light level (R.S.Key). Elateridae.
- Rhagonycha fulva* (Scop.) common between 19.07 and 25.07.97. Cantharidae.
- Anobium punctatum* (Deg.) 23.07.97, two on dead tree in Millcombe (the common 'wood-worm' beetle). Anobiidae.
- Psilothrix viridicoeruleus* (Fourc.) one on thrift flowers, west side, 100m south of Old Light level (R.S.Key). Melyridae.
- Atomaria fuscipes* (Gyll.) 25.07.97, one in yellow water-trap, St John's Valley. Cryptophagidae.
- Atomaria lewisi* (Reitt.) 25.07.97, one in yellow water-trap, St John's Valley. Cryptophagidae.
- Aridius bifasciatus* (Reitt.) 23.07.97, one. Lathridiidae.
- Aridius nodifer* (Westw.) 25.07.97, one in yellow water-trap, St John's Valley. Lathridiidae.
- Enicmus transversus* (Oliv.) 25.07.97, one in yellow water-trap, St John's Valley. Lathridiidae.
- Opatrum sabulosum* (L.) 04.06.97, one by Benson's Cave (R.S.Key). Tenebrionidae.
- Crypticus quisquilius* (L.) 01.06.97, one, south-west; 04.06.97, one by Benson's Cave (R.S.Key). Tenebrionidae.
- Phaedon cochleariae* (Fab.) 31.05.97, abundant on water-cress behind Barton Cottages (R.S.Key). Chrysomelidae.
- Longitarsus flavicornis* Steph. 23.07.97, 17. Chrysomelidae. (A common ragwort feeder).
- Psylliodes luridipennis* Kutsch. 03.06.97, present on Lundy Cabbage at Sea View slippage (R.S.Key). Chrysomelidae.
- Psylliodes napi* (Fab.) 03.06.97, present on Lundy Cabbage at Sea View slippage (R.S.Key). Chrysomelidae.
- Apion hookeri* Kirby 20.07.97, female. Brentidae [= Apionidae]. (The name of this species recently has been amended to *hookerorum* Kirby by Gønget [1997; Brentidae of N.Europe, Fauna Ent. Scand.]. The species does not appear to have been recorded from the island, previously).

*Euophryum confine* (Broun) 23.07.97, one on a dead tree in Millcombe. Curculionidae.  
*Ceutorhynchus contractus* (Marsh.) 02.06.97, one [var *pallipes*] on *Cochlearia danica*;  
03.06.97, present [including var *pallipes*] on Lundy Cabbage at Sea View slippage  
(R.S.Key). Curculionidae.

*Elenchus tenuicornis* (Kirby) 23.07.97, female. Stylopidae. This species is a frequent parasitoid of leafhoppers of the family Delphacidae, the females living in the abdomens of hosts, the males being winged. In this instance, the host was a brachypterous female of a delphacid which could not be identified with certainty. It may have been an aberrant individual of *Conomelus anceps* (Germ.) (which it fits in general appearance) but the presence of a stylopid parasitoid often causes aberrations or apparent features of immaturity in the host. The family is usually considered nowadays as an aberrant member of the beetle order.

### **Hymenoptera : Parasitica (ichneumons, braconids, chalcids & related species)**

*Pimpla hypochondriaca* (Retz.) 23.07.97, male. Ichneumonidae.  
*Acroricnus stylator* (Thunb.) 23.07.97, two females on Landing Beach. Ichneumonidae.  
*Lissonota coracina* (Gmel.) [= *bellator* Grav.] 20 & 23.07.97, 4 females. Ichneumonidae.  
*Exetastes nigripes* Grav. 23.07.97, female. Ichneumonidae.  
*Banchus volutatorius* (L.) 23.07.97, female. Ichneumonidae.  
*Heteropelma amictum* (Fab.) 22.07.97, female in Millcombe.  
*Enizemum ornatum* (Grav.) 20.07.97, male. Ichneumonidae. (A parasitoid of hoverflies).  
*Diplazon laetatorius* (Fab.) 23.07.97, five females. Ichneumonidae. (A parasitoid of hoverflies).  
*Ichneumon sarcitorius* Linn. males in Millcombe on 22 & 23.07.97. Ichneumonidae.  
*Macrocentrus infirmus* (Nees) 23.03.97, female. Braconidae. (A parasitoid of larger moths including the Dark Arches *Apamea monoglypha* ).  
*Meteorus ictericus* (Nees) 23.07.97, female. Braconidae. A parasitoid of Lepidoptera, primarily Tortricidae.  
*Kleidotoma truncata* Cam. 25.07.97, female in yellow water-trap, St John's Valley. Eucoilidae.  
*Asaphes vulgaris* Walk. 25.07.97, three females in yellow water-trap, St John's Valley. Pteromalidae.  
*Mesopolobus dubius* (Walk.) 25.07.97, female in yellow water-trap, St John's Valley. Pteromalidae.  
*Mesopolobus fuscipes* (Walk.) 25.07.97, female in yellow water-trap, St John's Valley. Pteromalidae.  
*Pachyneuron formosum* Walk. 25.07.97, three females in yellow water-trap, St John's Valley. Pteromalidae.  
*Dinocarsis hemiptera* (Dalm.) 25.07.97, female in yellow water-trap, St John's Valley. Encyrtidae.  
*Aclista prolongata* (Kieff.) 23.07.97, six males. Diapriidae.

### **Hymenoptera : Aculeata (ants, wasps, bees & related species)**

*Prenantia ruficornis* (Dalm.) 23.07.97, male. Dryinidae. A parasitoid of many different genera of leafhoppers of the Cicadellidae, including at least six genera which have been recorded from Lundy.

- Ateon ephippiger* (Dalm.) 23.07.97, two males. Dryinidae. A parasitoid of leafhoppers, including the genera *Psammotettix* and *Macropsis*.
- Lasius alienus* (Först.) 20.07.97, three workers. Formicidae. This species has been split recently but these appear to be *L. alienus* sensu stricto.
- Ancistrocerus gazella* (Panz.) 20 & 23.07.97, two males. Eumenidae.
- Dolichovespula sylvestris* (Scop.) queen in Millcombe, 22.07.97 (the tree wasp). Vespidae.
- Ectemnius cavifrons* (Thoms.) 20.07.97, female. Sphecidae.
- Crossocerus elongatulus* (Van der Lind.) 20.07.97, two females. Sphecidae.
- Ammophila sabulosa* (Fab.) a female of this large, spectacular, spider-hunting sand-wasp was present at the Battery on 22.07.97; this is the first record of this species on the island and it remains to be seen whether it will become established. Sphecidae.
- Bombus lucorum* (L.) one recorded on 19.07.97. Apidae.
- Bombus hortorum* (L.) several between 23 and 25.07.97 in Millcombe. Apidae.
- Bombus pascuorum* (Scop.) present in Millcombe, 20.07.97. Apidae.

### Diptera (flies)

- Thaumalea verralli* Eds. 25.07.97, male. Thaumaleidae. (Mainly associated with hill streams.)
- Cricotopus trifasciatus* (Panz.) 25.07.97, male, St John's Valley. Chironomidae.
- Chloromyia formosa* (Scop.) 19.07.97, male, Millcombe. Stratiomyidae.
- Haematopota pluvialis* (L.) frequent between 19.05.97 and 25.07.97. Tabanidae.
- Platypalpus pallidiventris* (Mg.) 23.07.97, female. Empididae.
- Hybos culiciformis* (Fab.) 20.07.97, male. Empididae.
- Dolichopus atripes* Mg. 23.07.97, five females. Dolichopodidae.
- Dolichopus brevipennis* Mg. 23.07.97, female. Dolichopodidae.
- Dolichopus plumipes* (Scop.) 23.07.97, 12 females. Dolichopodidae.
- Dolichopus ungulatus* (L.) 20 & 23.07.97, three females. Dolichopodidae.
- Dolichopus vitripennis* Mg. 23.07.97, female. Dolichopodidae.
- Hercostomus gracilis* (Stann.) 23.07.97, female. Dolichopodidae.
- Medetera truncorum* Mg. 23.07.97, female. Dolichopodidae.
- Chrysotus gramineus* (Fall.) 23.07.97, three females. Dolichopodidae.
- Diplonevra funebris* (Mg.) 23.07.97, ten males & four females. Phoridae.
- Syrphus ribesii* (L.) frequent on 20.07.97: Syrphidae. (The Syrphidae are hoverflies.)
- Eupeodes corollae* (Fab.) frequent on 21 & 22.07.97. Syrphidae.
- Scaeva pyrastris* (L.) several on 21 & 22.07.97. Syrphidae.
- Episyrphus auricollis* (Mg.) 23.07.97, female. Syrphidae.
- Episyrphus balteatus* (Degeer) abundant, 19 to 24.07.97. Syrphidae.
- Melanostoma mellinum* (L.) 23.07.97, male. Syrphidae.
- Platycheirus clypeatus* (Mg.) ss, 23.07.97, male. Syrphidae.
- Platycheirus scutatus* (Mg.) 23.07.97, female. Syrphidae.
- Neoascia podagrica* (Fab.) 23.07.97, female. Syrphidae.
- Volucella bombylans* (L.) one in Millcombe, 23.07.97. Syrphidae.
- Eoseristalis pertinax* (Scop.) present in Millcombe, 21.07.97. Syrphidae.
- Eristalis tenax* (L.) present in Millcombe, 21 & 22.07.97. Syrphidae.
- Coelopa frigida* (Fab.) 20.07.97, female. Coelopidae. (A seashore species.)
- Sepsis cynipsea* (L.) 23.07.97, two females. Sepsidae.
- Borborillus uncinatus* (Duda) 25.07.97, male. Sphaeroceridae.

*Copromyza similis* (Coll.) 20.07.97, female. Sphaeroceridae.  
*Coproica acutangula* (Zett.) 25.07.97, two males. Sphaeroceridae. (The male of this species has a very characteristic indentation of the wing margin, accompanied by a row of long, upcurved hairs on the underside of the margin. These distinctive characters unfortunately are omitted from the key and illustrations in the R.E.S. Handbook to the family [Pitkin, 1988].)  
*Geomyza balachowskyi* Mesn. 25.07.97, male, St John's Valley. Opomyzidae.  
*Meonura flavifacies* Coll. 20 & 25.07.97, two males. Carniidae.  
*Hydrellia griseola* (Fall.) 23 & 25.07.97, 20. Ephydriidae.  
*Scatella silacea* Loew 25.07.97, three males & two females. Ephydriidae.  
*Scatella stagnalis* (Fall.) 25.07.97, two males. Ephydriidae.  
*Scaptomyza pallida* (Zett.) 20, 23 & 25.07.97, 18. Drosophilidae.  
*Cerodontha denticornis* (Panz.) 23.07.97, male. Agromyzidae.  
*Oscinomorpha albisetosa* Duda (var *hollandica* Duda) 20.07.97, male. Chloropidae.  
*Oscinella hortensis* Coll. 20.07.97, one male & five females. Chloropidae.  
*Eriothrix rufomaculata* (Deg.) 23.07.97, four males. Tachinidae.  
*Thelaira nigripes* (Fab.) 20 & 23.07.97, two females. Tachinidae.  
*Tachina grossa* (L.) singles at four sites between Quarries and Millcombe, 20 - 25.07.97. Tachinidae.  
*Rhinophora lepida* (Mg.) 20.07.97, male. Rhinophoridae. (A parasitoid of woodlice.)  
*Calliphora vicina* Rob.-Desv. 23.07.97, female. Calliphoridae.  
*Lucilia sericata* (Mg.) 23.07.97, two females. Calliphoridae.  
*Norellisoma spinimanum* (Fall.) 20.07.97, female. Scathophagidae.  
*Paregle cinerella* (Fall.) 23.07.97, 51 males. Anthomyiidae. (A common species on all types of dung.)  
*Nupedia infirma* (Mg.) 23.07.97, two males. Anthomyiidae.  
*Azelia zetterstedti* (Rond.) 23.07.97, female. Muscidae.  
*Phaonia palpata* (Stein) 23.07.97, two males. Muscidae.  
*Helina duplicata* (Mg.) 20 & 23.07.97, male & female. Muscidae.  
*Helina laetifica* (Rob.-Desv.) 23.07.97, two males. Muscidae.  
*Limnophora olympiae* Lyneb. 25.07.97, male & female. Muscidae.  
*Coenosia tigrina* (Fab.) 23.07.97, two males. Muscidae.

#### Araneae (spiders)

*Atypus affinis* Eichw. 26.05.97, lower Punchbowl Valley (R.S.Key). Atypidae.  
*Pardosa nigriceps* Thor. 20.07.97, two females. Lycosidae.  
*Oedothorax retusus* (Westring) 23.07.97, male. Linyphiidae.  
*Erigone atra* (Blackw.) 23.07.97, female. Linyphiidae.

#### Chilopoda (centipedes)

*Lithobius variegatus* Leach 02.06.97, by North Light (R.S.Key). Lithobiidae.

#### REFERENCES

- Gønet, H. (1997) The Brentidae (Coleoptera) of Northern Europe. *Fauna Entomologica Scandinavica*, Vol.34. Brill.  
Pitkin, B.R. (1988) Lesser Dung Flies (Diptera : Sphaeroceridae). *Handbook of British Insects*, vol.10, part 5e. Royal Entomological Society of London.