

## INVERTEBRATES ON LUNDY, 1988

by  
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The following species of interest were recorded between 16th and 23rd July, 1988. I am not aware of previous records of those marked \*.

### Araneae (Spiders)

*Heliophanus cupreus* (Walck.) on gorse, south-west cliff-top.

*Peponocranium ludicrum* (Pick.-Camb.) on gorse, by Ugly.

*Erigone atra* (Black.) by Devil's Limekiln.

### Opiliones (harvesters)

\**Paroligolophus agrestis* (Meade) male under gorse, south-west cliff-top.

### Mollusca (slugs and snails)

*Arion ater* (L.) agg. abundant on Rat Island during rain.

### Psocoptera (booklice)

\**Cerobasis guestfalica* (Kolbe) present on gorse, south-west cliff-top and abundant on Monterey pine, Millcombe.

\**Graphopsocus cruciatus* (L.) common on gorse, south-west cliff-top.

### Hemiptera (bugs)

\**Asciodema obsoletum* (Fieb.) very common on broom, east side.

\**Neophilaenus lineatus* (L.) common, Pondsbury; common, south-west cliff-top turf; present Rat Island.

\**Macropsis impura* (Bohen.) frequent, Pondsbury.

\**Aphrodes bicinctus* (Schrank) female, Battery Point, 20th.

\**Psammotettix nodosus* (Ribaut) male, creeping willow near Pondsbury, 20th. Indistinguishable from *P. confinis* except on the genitalia. *P. confinis* is widespread and abundant on Lundy, particularly on the southern grasslands. This is the first individual of *P. nodosus* detected but the species may be found to be frequent on the moorland areas.

\**Eupteryx stachydearum* (Hardy) common on woodsage.

*Crimorphus albomarginatus* Curtis nymphs common in Gannets' Coombe.

\**Psylla alni* (L.) common on alder, St. Helen's Copse.

\**Psylla saliceti* Forst. common on willow, Terraces.

### Neuroptera (lacewings)

\**Chrysopa flava* (Scop.) female on willow, Terraces, 16th.

### Coleoptera (beetles)

*Notiophilus germinyi* Fauvel on cliff above South Light path, 17th. Apparently only recorded once previously, by N.H. Joy in 1906.

*Cetonia aurata* (L.) ("Rosechafer") the population between 16th and 20th was approximately 70, between the Castle and Quarter Wall on the east side.

*Ctenopius sulphureus* (L.) abundant over the southern half of the island on the cliffs (including Rat Island). On 20th, over 200 were counted on ten square metres of short turf at the Battery.

### Hymenoptera: symphyta (sawflies)

\**Pontania viminalis* (L.) galls on willow abundant in St John's Valley and frequent in Millcombe. (The species is said to overwinter as a pupa but one male and two females emerged in September from galls collected on Lundy in July).

### Hymenoptera: parasitica (ichneumonids, etc.)

#### (Ichneumonidae)

*Pycnocryptus director* (Thun.) male and female, Millcombe, 17th & 18th.

\**Glypta vulnerator* Grav. female at thistle flowers, Millcombe, 23rd.

\**Banchus volutatorius* (L.) seven males, 20th to 23rd: Quarries; north of Millcombe; Castle; east of Limekiln. Six of these were flying around bracken, the seventh at creeping thistle flowers.

- \**Campoplex mutabilis* (Holm.) male, Quarries, on bracken, 23rd.
- \**Diadegma majalis* (Grav.) two, on sallow and apple, Millcombe, 23rd.
- \**Trichlistus podagricus* (Grav.) male swept from broom, V.C.Quarry, 20th.
- Heteropelma amictum* (Fab.) female, Battery, 20th.
- \**Stenomacrus tristis* (Holm.) female (alive), window in Tavern, 23rd.
- \**Homotropus nigratarsis* (Grav.) male on sallow, Millcombe, 23rd.
- Barichneumon lepidus* (Grav.) female on path, Millcombe, 23rd.
- \**Diphyus palliatorius* (Grav.) two males were taken out of at least eight present along Quarries path, mainly in and around bracken, 20th to 23rd.

(*Bracomidae*)

- \**Dacnusa areolaris* (Nees) two females of this common parasite of small flies at ragwort on the south cliffs, 21st.

(*Pteromalidae*)

- \**Halticoptera circulus* (Walk.) [su Graham]. Male, short turf at Battery 20th. A parasite of agromyzid leaf-mining flies and also of chloropid flies (*Oscinella*).
- \**Halticoptera patellana* (Dalm.) [su Thoms. & Graham] many thousands of this small chalcid were present on bracken by the Quarries on 23rd. 85% were males and 15% females. The males of this and the previous species have swollen palps like two yellow sacs under the head. This species is a parasite of leaf-mining flies particularly associated with bracken. The main host on Lundy is unknown but is possibly a *Phytoliriomyza* species so far unrecorded. (Whatever the host, it must also be abundant.)

*Hymenoptera: aculeata* (bees, wasps and ants)

(*Eumemidae*)

- \**Ancistrocerus gazella* (Panz.) male, V.C.Quarry, 20th.
- \**Ancistrocerus parietum* (L.) female, 20th, and male, 23rd, Millcombe.

(*Halictidae*)

- Lasioglossum calceatum* (Scop.) male and female, Beach Road, 17th; female near Rocket Pole, 20th.

(*Apidae*)

- Bombus muscorum* (L.) this species is one of the 'carder-bees' and used to be quite common on Lundy. Another 'carder-bee', *Bombus pascuorum* (Scop.), is absent from most of the offshore islands inhabited by *B.muscorum*. At some time recently, probably in the 1960's, *B.pascuorum* reached Lundy. Since then, *B.pascuorum* has become the commonest species of bumblebee on Lundy and *B.muscorum* has declined markedly. Whether these two facts are connected or not is debatable, since *B.muscorum* is also declining in other parts of the country. The changes may be primarily climatic in origin. A fairly intensive search for *B.muscorum* on 20th and 23rd August revealed only one male, at the east end of Millcombe.

*Diptera* (flies)

*Tipula scripta* Mg. Quarries, 22nd and 23rd.

- \**Symplecta stictica* (Mg.) common, particularly at light, 20th to 22nd.

*Ormosia nodulosa* (Macq.) alder, St Helen's Copse, 19th.

\**Smittia pratorum* (Goet.) male, leat, Church Field, 16th.

*Pachygaster leachi* (Curt.) female, sycamore, Millcombe, 17th.

\**Platypalpus extricata* (Coll.) male, nettles, Millcombe, 17th.

*Dolichopus vitripennis* Mg. frequent, creeping willow near Pondsburry.

*Hercostomus nigripennis* (Fall.) very common, south and south-west cliffs.

\**Syntormon monilis* (Hal.) female at Apium, Millcombe, 17th.

*Chrysotus neglectus* (Wied.) Millcombe, 23rd.

*Lonchoptera furcata* (Fall.) frequent and widespread.

*Lonchoptera lutea* Panz. Male, Church Field, 16th.

\**Syrphus torvus* Ost.-Sack. Female at creeping thistle, Signal Cottage, 20th.

\**Leucozona lucorum* (L.) female, Millcombe, 18th.

\**Meliscaeva auricollis* (Mg.) female, Battery, 20th (present with migrant Painted Ladies).

- Minettia longipennis* (Fab.) female, Gannets' Coombe, 18th.  
 \**Minettia longiseta* (Loew) female on broom, V.C.Quarry, 20th.  
 \**Lycellia quadrivittata* (Loew) female, Battery Point, 20th.  
 \**Themira annulipes* (Mg.) male, leat, Church Field, 16th.  
 \**Themira putris* (L.) male and two females, hemlock, High Street, 23rd.  
*Sepsis cynipsea* (L.) female, Millcombe, 18th.  
*Sepsis orthocnemis* Frey female, leat below Millcombe, 23rd.  
*Spelobia chunipes* (Mg.) two females, Quarries, 16th.  
 \**Toxoneura muliebris* (Harr.) female, Apium, Millcombe, 17th.  
 \**Paloptera ustulata* Fall. female, sycamore, Millcombe, 17th.  
 \**Agromyza potentillae* (Kalt.) female swept by Pondsburly, 20th.  
 \**Phytomyza horticola* Gour. male, south clifftop, 20th.  
 \**Polyodaspis sulcicollis* (Mg.) var. *anglicus* Coll. female, short turf at Battery, 20th.  
 \**Oscinella hortensis* Coll. male, short turf at Battery, 20th.  
 \**Siphona geniculata* (Degeer) Millcombe, 17th, and Gannets' Coombe, 18th. (A freshly emerged female found by the leat below Millcombe on 22nd was not identifiable but appeared to be closer to *S.cristata* (Fab.))  
 \**Fannia polychaeta* (Stein) male, alder, St Helen's Copse, 19th.  
 \**Fannia serena* (Fall.) 100+ males swarming around sycamore, Millcombe, 17th, and one female at Gannets' Coombe, 18th.  
 \**Morellia aenescens* Rob.-Desv. female, Gannets' Coombe, 18th.  
 \**Schoenomyza litorella* (Fall.) female, Gannets' Coombe, 18th.