

heard two days ago, and I was able to be certain that it was a Red-throated Pipit. This area of perhaps 100 yards by 30 yards is thick *juncus* tussocks, boggy, and with a few scattered grassy patches. By careful stalking, twice I obtained good views of the bird on the ground on open grass before it took flight. On two other occasions it took flight before I could relocate it, and on the last occasion it did not pitch down nearby, but flew down onto the slopes above the cliff where I was unable to find it. It always uttered its distinctive call-note once or twice before pitching down.

Notes jotted into my notebook during these ten minutes read:—

Call—"tseeze", thin, drawn-out.

General plumage—a dark, heavily streaked pipit lacking the yellow tinge of Meadow Pipit, generally grey.

Blackish moustachial streak becoming wide at lower end, and darkish grey ear-coverts.

Legs and feet pale flesh pink.

Throat and breast heavily streaked with dark or black, the streaks continuing right down the flanks.

Buff tips to median and greater coverts giving double wing-bar.

White outer tail feathers.

Supercilium indistinct, buff, almost not there.

At no time did I obtain a clear view of its rump. Size and shape was just like Meadow Pipit, but the tail seemed a trifle shorter in flight.

J. N. DYMOND

This record has been accepted by the Rarities Committee and is the third occurrence on Lundy.

BUTTERFLIES AND MOTHS

Lepidoptera is one branch of natural history that has not been intensively studied on Lundy. During 1972 and 1973 a daily record of butterflies was maintained. Early in 1973 a portable, battery-operated ultra-violet tube light was purchased, and this was operated to attract moths on a dozen or so evenings.

In 1968 C. Garrett-Jones operated a light-trap for three nights in early July, publishing his findings in the annual report for that year. There are a few records of moths published in some of the early Field Society reports, particularly 1951.

In the following list, the butterflies are those recorded during 1973 only, with first and last dates and some indication of abundance; and the moths are an amalgamated list of all available data, with reference being made to the year or years of recording.

1973 was an exceptionally good year for butterflies with the long, dry summer producing bumper broods. Two migrant species, Red Admiral (*Vanessa atalanta*) and Painted Lady (*Vanessa cardui*) were both very prominent, but there were no records of Common Clouded Yellow (*Colias croceus*) which has occurred in past years, particularly 1948 when it was very numerous.

Migrant moths were also well represented. A single Hummingbird Hawk (*Macroglossum stellatarum*) was seen in the Hotel garden on 19th September. A single Convolvulus Hawk (*Herse convolvuli*) was trapped in the Terrace trap on 30th August and was later released in Millcombe—it was in very worn condition and had probably only just arrived after migrating from North Africa. Silver Y (*Plusia gamma*) was exceedingly numerous during August and September, the heather moorland often seething with them.

PIERIDAE

- 5 Large White *Pieris brassicae* L. 4th June to 20th September, numerous.
- 6 Small White *Pieris rapae* L. 15th April to 26th October, abundant.
- 7 Green-veined White *Pieris napi* L. 18th July to 18th August, a few only.

SATYRIDAE

- 18 Grayling *Eumenis semele* L. 30th June to 2nd September, usually numerous
- 22 Meadow Brown *Maniola jurtina* L. 14th June to 4th September, abundant.
- 24 Small Heath *Coenonympha pamphilus* L. 15th May to 19th September, intermittently numerous.
- 26 Ringlet *Aphantopus hyperantus* L. 16th June to 26th August, usually numerous.

NYMPHALIDAE

- 30 Red Admiral *Vanessa atalanta* L. 19th April to 30th October, abundant.
- 31 Painted Lady *Vanessa cardui* L. 5th July to 15th October, usually numerous.
- 33 Peacock *Nymphalis io* L. 18th May to 15th October, small numbers.
- 37 Small Tortoiseshell *Aglais urticae* L. 12th March to 30th October, very abundant.

LYCAENIDAE

- 58 Small Copper *Lycaena phlaeas* L. 11th May to 26th October, numerous.
- 64 Common Blue *Polyommatus icarus* Rott. 29th May to 12th September, common.
- 68 Holly Blue *Celastrina argiolus* L. 3rd June, one only.

SPHINGIDAE

- 83 Convolvulus Hawk *Herse concolvuli* L. 1950, 1968, 1973.
- 97 Humming-bird Hawk *Macroglossum stellatarum* L. 1947, 1948, 1950, 1973.

NOTODONTIDAE

- 103 Puss *Cerura vinula* L. 1950.
- 121 Buff-tip *Phalera bucephala* L. 1968.

LASIOCAMPIDAE

- 150 Oak Eggar *Lasiocampa quercus* L. 1973.
- 152 Fox *Macrothylacia rubi* L. 1972, 1973.

DREPANIDAE

- 165 Chinese Character *Cilix glaucata* Scop. 1973.

ARCTIIDAE

- 180 Common Footman *Eilema lurideola* Zinck. 1973.
- 192 White Ermine *Spilosoma lubricipeda* L. 1968, 1973.
- 194 Buff Ermine *Spilosoma lutea* Hufn. 1968, 1973.
- 195 Muslin Ermine *Cynia mendica* Clerck 1951.
- 200 Garden Tiger *Arctia caja* L. 1973.
- 201 Cream-spot Tiger *Arctia villica* L. 1951, 1968, 1973.

ZYGAENIDAE

- 218 Narrow-bordered Six-spot Burnet *Zygaena filipendulae* L. 1972, 1973.

NOCTUIDAE

- 276 Square-spot Dart *Euxoa obelisca* Schiff. 1973.
- 277 Turnip Dart *Agrotis segetum* Schiff. 1968.
- 283 Crescent Dart *Agrotis trux* Hübn. ssp. *lunigera* Steph 1968, 1973.
- 285 Heart and Dart *Agrotis exclamationis* L. 1968, 1972, 1973.
- 286 Dark Dart *Agrotis ipsilon* Hufn. 1968.
- 289 True Lover's Knot *Lycophotia varia* Vill. 1973.
- 293 Northern Rustic *Ammogrotis lucerneae* L. 1968, 1973.
- 299 Common Ingrailed Clay *Diarsia festiva* Schiff. 1968, 1973.
- 304 Flame Shoulder *Ochropleura plecta* L. 1968, 1973.
- 313 Setaceous Hebrew Character *Amathes c-nigrum* L. 1951.
- 319 Flame Rustic *Axylija putris* L. 1968, 1973.

- 327 Lesser Yellow-underwing *Triphaena comes* Hübn.
(? ab. *sagittifer*) 1968, 1973.
- 331 Large Yellow-underwing *Noctua pronuba* L. 1951, 1968, 1972, 1973.
- 340 Dark Bordered Straw *Heliothis peltigera* Schiff. 1968
- 345 Cabbage Dot *Mamestra brassicae* L. 1968, 1973
- 351 Bright-line Brown-eye *Diataraxia oleracea* L. 1968, 1973.
- 353 Broom Brocade *Ceramica pisi* L. 1968, 1972, 1973
- 354 Light Shears *Hada nana* Hufn. 1968.
- 378 Antler *Cerapteryx graminis* L. 1968, 1973.
- 395 Smoky Wainscot *Leucania impura* Hübn. 1973.
- 407 Clay Wainscot *Leucania lythargyria* Esp. 1968.
- 410 Anomalous *Stilbia anomala* Haw. 1973.
- 432 Smooth Rustic *Caradrina blanda* Schiff. 1968, 1973.
- 441 Light Arches *Apamea lithoxylaea* Schiff. 1968, 1973.
- 444 Dark Arches *Apamea monoglypha* Hufn. 1968, 1973.
- 447 Cloud-bordered Brindle *Apamea crenata* Hufn. 1968.
- 454 Dusky Brocade *Apamea remissa* Hübn. 1968.
- 456 Common Rustic *Apamea secalis* L. 1973.
- 462 Marbled Minor *Procus strigilis* Clerck. 1968, 1973.
- 465 Middle-barred Minor *Procus fasciuncula* Haw. 1968, 1973.
- 466 Rosy Minor *Procus literosa* Haw. 1973.
- 469 Flounced Rustic *Luperina testacea* Schiff. 1973.
- 472 Small Angle-shades *Euplexia lucipara* L. 1968, 1973.
- 473 Large Angle-shades *Phlogophora meticulosa* L. 1968.
- 488 Rosy Ear *Gortyna micacea* Esp. 1951.
- 504 Brown Feathered *Rusina tenebrosa* Hufn. 1968.
- 523 Dusky Knot-grass Dagger *Apatete rumicis* L. 1968, 1973.

PLUSIIDAE

- 635 Silver Y *Plusia gamma* L. 1968, 1972, 1973.
- 638 Dark Spectacle *Unca triplasia* L. 1968, 1973.
- 653 Common Snout *Hyppena proboscidalis* L. 1968.

GEOMETRIDAE

- 680 Little Emerald *Jodis lactearia* L. 1968, 1973.
- 692 Mullein Wave *Scopula marginepunctata* Goeze 1968, 1973.
- 694 Small Blood-vein *Scopula imitaria* Hufn. 1968, 1973.
- 698 Lesser Cream Wave *Scopula immutata* L. 1968.
- 707 Single-dotted Wave *Sterrrha dimidiata* Hufn. 1968.
- 711 Satin Wave *Sterrrha subsericeata* Haw. 1968.
- 717 Riband Wave *Sterrrha aversata* L. 1968, 1973.
- 729 Silver-ground Carpet *Xanthorhoe montanata* Schiff. 1951, 1968, 1973.
- 747 Small Rivulet *Perizoma alchemillata* L. 1968.
- 758 Yellow Shell *Euphyia bilineata* L. 1951, 1968, 1973.
- 761 Purple Bar Carpet *Lyncometra ocellata* L. 1973.
- 784 July Highflier *Hydriomena furcata* Thunb. 1973.
- 803 Slender Treble-bar *Anaitis plagiata* L. 1951.
- 817 July Lead-belle *Ortholitha plumbaria* F. 1968.
- 842 Thyme Pug *Eupithecia distinctaria* H.-S. 1968.
- 848 Foxglove Pug *Eupithecia pulchellata* Steph. 1968.
- 872 Narrow-winged Pug *Eupithecia nanata* Hübn. 1951.
- 877 Brindled Pug *Eupithecia abbreviata* Steph. 1968.
- 889 Common Magpie *Abraxas grossulariata* L. 1973.
- 895 Clouded Silver *Bapta temerata* Schiff. 1951, 1968, 1973.
- 902 Sharp-angled Peacock *Semiothisa alternaria* Hübn. 1973.
- 921 Scalloped Oak *Crocallis elinguaris* L. 1973.
- 923 Brimstone *Opisthograptis luteolata* L. 1968, 1973.
- 928 Swallow-tailed Moth *Ourapteryx sambucaria* L. 1973.
- 938 Willow Beauty *Clerora homboidaria* Schiff. 1968, 1973.

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| 939 | Brussels Lace <i>Cleorodes lichenaria</i> Hufn. | 1968, 1973. |
| 941 | Mottled Beauty <i>Alcis repandata</i> L. | 1968, 1973. |
| 963 | Brown Silver-lined <i>Lithina chlorosata</i> Scop. | 1973. |

MICROLEPIDOPTERA

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| 1022 | Mother of Pearl <i>Sylepta ruralis</i> Scop. | 1973. |
| 1251 | <i>Archips podana</i> Scop. | 1973. |
| 1435 | <i>Epiblema uddmanniana</i> L. | 1973. |

Acknowledgement

I would like to thank Ian Woiwod of Rothamsted Experimental Station for his help in identifying specimens.

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BATS

Two bats were seen during 1973, as follows:-

One small, unidentified bat was flying in Millcombe at dusk on 30th May. Noctule Bat (*Nyctalus noctula*). One flying between Battlements and Landing Beach for at least an hour during afternoon of 25th October.

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CETACEA and SHARKS

Daily records were maintained of all reported sightings of cetacea and sharks. There are considerable identification difficulties with these groups and so unidentified records are listed with the specific ones.

CETACEA

Dolphin sp. A school of c50 off North End on 1st June were probably Common Dolphins (*Delphinus delphis*).

Risso's Dolphin (*Grampus griseus*). Two close inshore off Puffin Gully on 25th June.

Common Porpoise (*Phocaena phocaena*). One off North End on 25th June, one off North End on 15th July, and one found washed up freshly dead at Gannet's Rock on 29th October.

SHARKS

Basking Sharks (*Cetorhinus maximus*). Recorded daily from 11th to 18th July, mostly 1-2 but five on 16th, then three on 24th July, one on 11th August and one on 28th September. Usually basking off East Side, but sometimes around South End, once off Battery Point and once in Jenny's Cove.

Shark sp. Small sharks (4-6 feet), most probably Blue Sharks (*Carcharias glaucus*), seen as follows:—one in Landing Bay on 1st July, two off North End on 13th July and two there again on 16th July.

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