

paper by M. Roger V é r i t y in the "Bulletin de la Société Entomologique de France," Séance du 11 Octobre, 1911, on new Scottish races of *Erebia athiops*, Esp. (race *caledonia*), *Satyrus semele* (race *scota*), and *Parage megæra* (race *caledonia*).

The following papers were communicated :—"Descriptions of South American Micro-Lepidoptera," by E. Meyrick, B.A., F.R.S. "New Species of Hawaiian Hymenoptera, with notes on some previously described," by R. C. L. Perkins, D.Sc., M.A., F.E.S. "Notes on Hawaiian Hemiptera, with descriptions of new Species," by R. C. L. Perkins, D.Sc., M.A., F.E.S. "Experiments in the Formation of Colonies by *Lasius fuliginosus*, ♀ ♀," by Horace Donisthorpe, F.Z.S., and W. C. Crawley, F.E.S.—GEO. WHEELER, *Hon. Secretary*.

ANOTHER HUNDRED NEW BRITISH SPECIES OF DIPTERA.

BY THE LATE G. H. VERRALL, F.E.S.

(Continued from Vol. xlvii, page 79).

[These Notes were practically complete at the time the late Mr. VERRALL published the names of the species in the April number of this Magazine for last year, and were only held back by him for the purpose of adding a short description of *Scatopse coxendix*; of this description he left the rough notes which I have written up, and though the resulting description is very short, it is sufficient to distinguish the species.—J. E. COLLIN, December 18th, 1911.]

1. *Sciara longiventris*, Zett.: I do not find this rather conspicuous species in our British List, but Mr. R. C. Bradley took several specimens at Sutton Park in May to June, 1895, and I took an example at Colwick in June, 1889. It is rather a farce to add single species of *Sciara* to our Lists, when at least 150 more species of the genus should occur in England.

2. *Leia terminalis*, Meig.: I am bound to consider a male *Leia* taken by Dr. J. H. Wood at Stoke Wood, Herefordshire, as belonging to this species, though I must admit that I should like to see the species of *Leia* in considerable numbers before coming to a certain conclusion about their distinctness.

3. *Boletina basalis*, Meig.: among several unidentified species of *Boletina*, I think this one can be named with practical certainty. I have specimens from Ivybridge, Frant, Westhide, Caswell Bay, and Bettws-y-Coed.

4. *Platyura nigricauda*, Strobl: without expressing any opinion as to the value of the specific characters used at present in this genus, I may, without much doubt, refer two males (which I possess) to this species; one was taken at Llangollan on July 17th, 1888, and the other at Bewdley on September 1st, 1892.

5. *P. modesta*, Winn.: this species is not in our British Lists and is not, in my opinion, well distinguished from *P. flava*, Macq., but I refer to it two males taken at Canford Common, in Dorset, on August 13th, 1904, and a male taken by Col. Yerbury at Much Marcle on August 29th, 1902.

P. nigriceps, Walk., was probably correctly identified by Winnertz, as I possess the fragments of a specimen so labelled in Walker's own handwriting, and Col. Yerbury took a male at Goathorn, in Dorset, on June 7th, 1907, and a female at Studland on May 31st, 1907, while I caught a female at Lyndhurst on June 29th, 1885. A specimen labelled Teignmouth was in Rev. T. A. Marshall's collection under the name of *Ditomyia vittata*, and may represent that species of Walker.

6. *P. humeralis*, Winn.: I have but little doubt in referring to this species a male taken by Col. Yerbury at Nairn on May 31st, 1905. I also possess a broken specimen of apparently the same species, taken by the late Rev. T. A. Marshall at St. Albans. Many of the species of this genus are probably widely spread, but are so seldom captured and identified that very little is known about them at present. A large black species has often been taken in the New Forest and other largely wooded districts, which is in our Lists as *P. semirufa*, Meig.; it may be that species, or *P. brunnipennis*, Stæg., or *P. vitripennis*, Meig. (as identified by Zetterstedt), and is almost certainly *P. concolor*, v. d. Wulp; beyond this, it is probably *P. mycetophiloides*, Hardy, in Walker's Ins. Brit. Dipt., but the description is too imperfect for determination.

7. *Scatopse talpæ*, n. sp.: this species has been included in both the previous editions of this "List," but has never yet been described. It is closely allied to *S. inermis* in its venation, but is smaller and has the first costal space not much longer than the second (while in *S. inermis* it is quite twice as long); this distinction in the costal spaces is mainly caused by a more even curve of the second vein, which causes that to end more beyond the middle of the costa; the veins and the pubescence of the wings are blackish (instead of yellowish). Antennæ more clavate. Thorax more compressed, and bearing much less conspicuous dark grey pubescence (instead of yellowish as in *S. inermis*). Abdomen almost dull black, and with black pubescence, hardly widened at genitalia, ending in a sort of terminal flap caused by two black lamellæ touching (instead of the brightly shining widened end of *S. inermis*, from which two narrow lamellæ extend). Hind tibiæ thinner at base, and therefore more clavate, and with no obvious pubescence

(instead of with conspicuous pale pubescence of *S. inermis*); basal joint of hind tarsi thinner. Base of wing, margin of squamæ, and halteres, black.

I first distinguished this species from specimens I found at Reigate (Surrey) on July 5th, 1872, but in June, 1908, my nephew, Mr. J. E. Collin, found it in some numbers about the trunk of a small willow tree at Snailwell (Cambs), and in June, 1911, under similar circumstances at Barton Mills (Suffolk).

8. *S. coxendix*, n. sp.: this species is fairly common, and was returned to me many years ago by Loew under the above name. I believe it has never been described, and, therefore (in order to retain it in the "List"), I give a short description.

Like *S. halterata*, but the first costal space from three to six times longer than the second (instead of less than twice), and the *front coxæ and sides of the basal abdominal segment* conspicuously orange. The antennæ are less clavate, the legs stouter, and the forked vein longer. The male genitalia end in two narrow curved and pointed lamellæ and a central style.

The specimens sent to Loew were taken near Lewes (Sussex) in June, 1870, but I have taken it since at Chippenham (Cambs), Orford and Barton Mills (Suffolk), and Lyndhurst (Hants) in June, near Tarrington (Hereford) in July, and Boyton (Suffolk) in August.

9. *Cricotopus pulchripes*, n. sp.: in order to retain this species in the "List" I give a short description.

Very near *C. tremulus*, but the second joint only of the front tarsi is white, and even the extreme tip of that is black in the male and dull in the female; the thoracic black stripes are well separated, and the hind margins of third to seventh abdominal segments are more definitely luteous; the second joint of the front tarsi is relatively shorter in the male as compared with the first joint.

I caught a pair on Snowdon on June 8th, 1887.

10. *Ceratopogon pallidus*, Winn.: a male was taken at Handcross, in Sussex, on April 12th, 1884, but the species may prove to be common when the genus is well worked out.

11. *C. nubeculosus*, Meig.: this species is very much like the common *C. pulicaris*, but has stronger wing-markings and has the thorax peculiarly dotted. It was abundant near the Worm's Head on September 13th, 1905, and at Aldeburgh on September 9th, 1907, and it subsequently occurred in millions as an intolerable pest on Rempstone Heath and at Wareham, in Dorset.

12. *C. forcipatus*, Winn.: I cannot doubt three males taken at Penzance on May 15th, 1890, even though Winnertz (who only knew it from one male) said nothing about the black bristles on the thorax.

13. *C. versicolor*, Winn.: A rather pretty species which was abundant in my garden on July 14th, 1901, and on various subsequent dates.

14. *C. nobilis*, Winn.: As far as I know this species is only known from a single female described by Winnertz; his description is, however, so good that I cannot doubt the name applying to a male taken by Col. Yerbury at Studland, Dorset, on June 7th, 1907.

N.B.—*C. fulvus* is only the female of *C. spinipes*, Panz.

15. *Dixa nigra*, Stæg.: I am bound to consider a specimen taken by Col. Yerbury at Nairn, on May 18th, 1905, as belonging to this species. I do not consider De Geer's description of *Tipula amphibia* recognizable.

16. *Limnobia decemmaculata*, Lw.: This pretty little species, which was described from Germany in 1873, has been bred by Dr. J. H. Wood from a fungus found on a decaying beech in Stoke Wood, near Tarrington, on September 3rd, 1906. It had been bred in Germany from species of *Dædalea*. Dr. Wood took it again in 1910.

17. *Psiloconopa pusilla*, Schin.: Dr. J. H. Wood found this new genus and species to Britain in numbers in the Monnow Valley, South Herefordshire, on July 17th, 1907. The genus is allied to *Trimicra*, and has almost identical venation, but *P. pusilla* is a small but very distinct species, in which the sharply marked black tips to the femora give an idea of *Cheilotrichia imbuta*.

17A. *Tipula nodicornis*, Meig.: Col. Yerbury has given me a pair of this species which he took at Nairn on June 8th, 1905. He also took a male at Nethy Bridge on June 17th, 1900. I have an impression that this species has already been recorded as British, but I have no note as to when or where.*

18. *Rhamphomyia culicina*, Fall.: Col. Yerbury has taken half-a-dozen stray specimens of this distinct species. One fine male at Nairn on August 1st, 1905, three at Porthcawl in July, 1906, and one at Wroxham Broad in August, 1906, besides the fragments of one at Torcross on August 17th, 1903. It is well distinguished from *R. variabilis* by its blacker thorax and dark brown halteres in the male, and by the almost total absence of any bristles on the legs.

* Recorded by King from Scotland in Glasgow Nat. I, 99 (1910), v. Zoolog. Record, 1910.
(J. E. C.).

18A. *R. spissirostris*, Zett.: must at present be removed from our Lists. The true *R. spissirostris* is a little known species of which I have seen the types; our species, which is common over brackish water on the Eastern Coast, and which may extend inland (even up to my own garden), is probably *R. dissimilis*, Zett., but I believe it has two or three other synonyms such as perhaps *paradoxa*, Wahlgren, or *erberi*, Mik.

19. *Pachymeria erberi*, Now.: This well marked species was described by Nowicki in 1864 (?) from Galicia, Austria, and subsequently was found by Bezzi in Italy. It occurred in numbers in Butley Decoy Wood in Suffolk on July 11th, 1908, where the males were swinging to and fro in a sort of slow dance, and each one was holding a large Muscid as its prey. Unfortunately its distinctness from *P. femorata* was not noticed, and I only took three specimens, one of which held *Hydrotæa irritans*, and the other two *Pollenia vespillio*, all larger species than itself. I believe I possess specimens from other British localities.

20. *Hilara æronetha*, Mik: I caught a number of this fine species near Leith Hill as long ago as June 25th, 1868, and suspected then that they belonged to an undescribed species. I also took one male at Tunbridge Wells on June 6th, 1886. It has since been described from Styria and Hungary. I have paid close attention to the British species of this genus during the last three or four years, but I find them exceedingly difficult to name; I can, however, introduce a few with confidence, of which this is one.

21. *H. lugubris*, Zett.: Col. Yerbury caught a male of this fine species near Stanford, in Norfolk, on May 21st, 1909.

22. *H. diversipes*, Strobl: I am obliged to refer the Braemar specimens, upon which I introduced *H. nitidula* to the British Lists, to this species, but the true *H. nitidula* (according to Strobl), was taken in numbers by Col. Yerbury at Nairn at the end of May, 1905, and by me at Chippenham near here about the middle of May, 1908. I cannot, however, accept the nomenclature of Strobl's paper without considerable doubt; the species, for instance, which he identifies as *H. matrona*, Hal., is not at present known in Britain, but the true *H. matrona* is one of his forms of *H. spinimana*, Zett.

23. *H. pubipes*, Lw.: Easily distinguished by the dense and fairly long bristly pubescence on the middle tibiæ and tarsi, by the yellow halteres, by the four dark sharply defined thoracic stripes, and

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