Catalogue of the Diptera Insects collected in Waigiu, Mysol, and North Ceram by Mr. A. R. Wallace, with Descriptions of New Species. By Francis Walker, Esq., F.L.S.

[Read Feb. 5, 1863.]

**MYSOL.**

**Fam. BIBIONIDÆ, Haliday.**

**Gen. Plecia, Hoffmannsegg.**


**Fam. CULICIDÆ, Haliday.**

**Gen. Megasoma, Desvoidy.**


**Gen. Culex, Linn.**


**Fam. TIPULIDÆ, Haliday.**

**Gen. Limnotha, Meigen.**

**Div.** Wings with two discal areolata; veins complete, not forked; the usual transverse veinlet between the second and third externo-medial veins.

4. **Limnotha aurorata, n. s. Fam. Atra.** Antennis capite duo longoribus, alis nigris, fascia ochracea bipunctata, gutta subcostal alba.

**Female.** Deep black, rather stout. Antennas about twice the length of the head. Abdomen less than twice the length of the thorax. Legs long. Wings black, with a broad bright ochraceous band, which is slightly dilated on the costa and on the hind border; two blackish points on the exterior part of the band, one costal, the other on the hind border; a white subcostal dot near the exterior border of the band. Length of the body 5 lines; of the wings 12 lines.

**Div.** Wings with a discal areolata; veins complete; cubital vein forked; the usual transverse veinlet between the second and third externo-medial veins.

5. **Limnotha selectissima, n. s.** Ochracea, capite nigro, antennis thoraces vix brevioribus, abdomen lineis duabus anticus apideo nigris, pedibus fuscis, femoribus flavescentibus apice nigris, alis cinereis, venis nigro marginatis, halteribus ochraceis apice nigris.
WAIGIOU, MYSOL, AND NORTH CERAM.

Male. Ochraceous, slender. Head black. Antennae black, ochraceous at the base, nearly as long as the thorax. Thorax very short, slightly attenuated in front. Abdomen broader hindward, with a black line along each side from the base to the middle; tip black. Legs brown, slender; femora dull yellowish, with black tips; tibiae and tarsi minutely setulose. Wings cinereous, with black veins, which have black borders; these are very broad along the costa, and thus the surface appears to be reticulated; halteres ochraceous, with black tips. Length of the body 5 lines; of the wings 9 lines.


Male and Female. Black. Head dull ochraceous. Antennae brownish, pale at the base, very broadly pectinated in the male. Abdomen of the male with yellow bands, except towards the tip. Legs piecous black. Wings cinereous; veins black. Male. Wings blackish along the costa and at the tips; two black spots extending from the costa to the disk. Female. Wings with the costa, the tips, and three broad bands blackish; 1st and 2nd bands connected. Length of the body 6-7 lines; of the wings 13-14 lines.

Nearly allied to G. fulviceps and G. jurgiosa.

Fam. Stratiomideæ, Holiday.

Gen. Stratiomys, Geoffr.


Male. Black. Antennae yellowish towards the base, shorter than half the breadth of the head. Thorax and pectus with slightly gildedomentum. Scutellum with two yellowish spines. Abdomen yellowish green (in the living state), with four black, angular, nearly connected spots. Legs yellowish. Wings whitish limpid; veins pale yellow. Length of the body 4 lines; of the wings 6 lines.


8. Salduba gradiens, n. s. Fam. Nigra, obscura, capite nitente, antennis basi flavescentibus, thorace vittis dubius cinereis, abdomen suturis apicisque nitentibus, pedibus flavescentibus, tibis apice nigris, tarsis albis apice nigris, alis nigricantibus, halteribus flavescentibus.
Subfam. Psilides, Walk.

Gen. Micropezia, Moeg.


Gen. Elaphomyia, Saunders.


Subfam. Hydromyridae, Haliday.

Gen. Notiphila, Fallen.


Female. Deep black, dull. Head silvery in front. Antennae nearly reaching the epistoma; 3rd joint linear, rounded at the tip; arista plumose. Thorax hindward and abdomen with slight cincereous tomentum. Tarsi piceous, whitish towards the base. Wings black, with two white interrupted bands, and with three white points on the disk nearer the base; veins black; discal transverse vein straight, parted by less than its length from the border, and by more than its length from the prebrachial transverse vein; halteres pale. Length of the body 21 lines; of the wings 5 lines.


Ferruginous. Antennae tawny, very short; 3rd joint conical; arista plumose. Abdomen piceous; hind borders of the segments cincereous. Legs tawny. Wings brownish cincereous; veins black; discal transverse vein straight, parted by much more than its length from the border, and by much more than twice its length from the prebrachial transverse vein; halteres whitish. Length of the body 13/4 line; of the wings 3/4 lines.

Fam. Hippoboscidae, Leach.

Gen. Ornithomyia, Leach.

WAIGIOU, MYSol, AND NORTH CERAM

WAIGIOU,
Fam. MYCETOPHILIDÆ, Haliday.
Gen. LELA, Meigen.

1. LEBA INDIvIsa, n. s. Fem. Ochracea, antennæ nigris basi ochraceis, abdomine crasso depressio, tibis tarsiisque subcostulosis, alis cinereis plagis tribus obscurioribus, venulis duabus subcostalibus nigro velutinos.

Fema. Ochracea. Antennae black, except at the base. Ocelli nearly contiguous, in a line with the hind border of the eyes. Abdomen depressed, increasing in breadth from the base to the tip. Legs rather long and slender; tibiae and tarsi minutely setulose, a little darker than the femora and coxae. Wings cinereous, with two elongated darker cinereous spots along the hind border, the second also apical; costa with a darker cinereous apical streak; veins black, ochraceous at the base; two oblique subcostal veinlets clouded with black. Length of the body 3½ lines; of the wings 6 lines.

This species, in the structure of the wing-veins, differs somewhat from all the European groups of the genus.

Fam. STRATIOMIDÆ, Haliday.
Gen. NEREA, Walk.


Fam. ASILIDÆ, Leach.
Subfam. LAPHRITIDÆ, Walk.

Gen. LAPHRIA, Fabr.

7. LAPHRIA auribasis, n. s. Fem. Cupreus-nigra, capite pilis aureis vescito, mystace et setis nigris, antennarum articulo 3º lirari, abdomine basi subcostisque aureo pilis apicalibus nigris, pedibus aurato pilosis, femoribus incrassatis, alis nigrocinereis basi cinereis, halteribus flavo-alis.

Fema. Cupeous black, stout. Head with brightly gilded hairs in front, thickly clothed beneath with less gilded hairs; mystax composed of several black bristles. Proboscis, palpi, and antennae black; 3rd joint of the antennæ linear, elongate-conical towards the tip. Pectus with gilded tomentum. Abdomen brightly gilded beneath and at the base above; tip black, shining, with black hairs. Legs robust, thickly covered with long gilded hairs; femora much incrassated; tarsi with