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I. *Descriptions of new species of Hymenopterous Insects from New Zealand, collected by Prof. HUTTON, at Otago.* By FREDERICK SMITH.

[Read December 5th, 1877.]

SEVENTEEN new species of *Hymenoptera* are described in this paper; one belonging to the *Tenthredinidæ*, twelve to the *Ichneumonidæ*, one to the *Formicidæ*, one to the *Pompilidæ*, one to the *Crabronidæ*, and one to the *Andrenidæ*. As well as I have been able to ascertain, the number of previously-described species is fifty-one, thus bringing the total up to sixty-eight. The collection made by Prof. Hutton consisted of twenty-three species, four of which have been previously described; two are reserved for future examination.

TENTHREDINIDÆ.

Fam. UROCERIDÆ.

*Xiphydria flavo-picta.*

Male.—Length 4 lines. Ferruginous, the head and thorax variegated with yellow; the sixth, seventh and eighth segments of the abdomen black. Antennæ black, with the two basal segments ferruginous. The head yellow; a broad ferruginous stripe from the posterior

*Spilomicrus quadriceps.*

Length  $1\frac{1}{4}$  lines. Head and thorax shining and nigro-æneous; abdomen black. Head quadrate, punctured, most closely so at the sides of the vertex. Thorax punctured, and with a suture crossing between the tegulæ; an impressed curved line runs from the suture on each side, diverging outwardly to the anterior margin of the mesothorax; a shorter line running between it and the tegulæ; the scutellum punctured; the metathorax pubescent, and having a deep central longitudinal depression; posteriorly emarginate, the angles of the emargination produced and acute; wings pale, fulvo-hyaline and iridescent; the stigma black, the nervures at the base pale testaceous; legs black, with the base and apex of the joints ferruginous. Abdomen black, smooth, shining and impunctate; the petiole with two longitudinal impressed lines.

## Fam. FORMICIDÆ.

*Formica Zealandica.*

Female.—Length  $2\frac{1}{2}$  lines. The abdomen black, the head and thorax blackish-brown, covered with a fine cinereous pile, which is most dense on the abdomen; the mandibles, the scape of the antennæ and the flagellum at their base and apex pale rufo-testaceous. Thorax ovate, smooth and shining; the metathorax obliquely truncate; the femora rufo-fuscous, with their apex, the tibiæ and tarsi pale rufo-testaceous; the tibiæ usually more or less fuscous in the middle. Abdomen ovate, shining, and with the margins of the segments very narrowly testaceous; the scape of the petiole ovate and emarginate above.

## Fam. POMPILIDÆ.

*Priocnemis nitidiventris.*

Female.—Length  $4\frac{1}{2}$  lines. Jet black; the abdomen smooth, shining and impunctate. The head very finely and closely punctured, with larger shallow punctures thinly interspersed; a little cinereous pubescence on the sides of the face below the antennæ; the anterior margin of the clypeus rounded; the tips of the mandibles ferruginous. The thorax *very delicately* punctured; the legs, with the spines at the apex of the tibiæ, black, and the

tips of the claws of the tarsi rufo-piceous; the wings hyaline, the nervures black. Abdomen smooth and shining, with the apical segment, except its extreme base, finely rugose and opaque.

Fam. CRABRONIDÆ.

*Rhopalum albipes.*

Male.—Length  $4\frac{1}{4}$  lines. Black; with the posterior tarsi white. Head subquadrate, a little wider than the thorax, and slightly shining; the clypeus with silvery-white pubescence; the scape of the antennæ yellow in front; an impressed line runs from the anterior ocellus to the insertion of the antennæ. Thorax slightly shining; the scutellum, and the enclosed space at the base of the metathorax, *very finely punctured*, the latter with a central impressed line, which unites with a deep fossulet that extends to the apex of the metathorax, the sides of which have a little thin white pubescence; the tubercles yellow; the wings hyaline, the nervures testaceous, with the costal and the stigma brownish-black; the tips of the anterior and intermediate femora, the tibiæ and tarsi pale rufo-testaceous, the tibiæ with a dark stain in the middle; the claw-joint of all the tarsi rufo-piceous; the posterior tibiæ clavate, white at their base, as well as the second, third and fourth joint of the tarsi. Abdomen smooth and shining; the petiole clavate.

Fam. ANDRENIDÆ.

*Dasycolletes hirtipes.*

Female.—Length 5 lines. Black; the pubescence fulvous. The front with long dense pubescence, that on the cheeks pale fulvous. The mesothorax shining, thinly pubescent and not very closely punctured; the pubescence more dense on the scutellum and metathorax; the wings hyaline and iridescent; the legs with fulvous pubescence, the posterior tibiæ with a dense scopa, and also a floccus on the trochanters; the apical joints of the tarsi rufo-testaceous. Abdomen shining and impunctate; the apical margins of the segments slightly testaceous; the fifth segment with a fimbria of bright fulvous pubescence; the apical segment, with an opaque naked space, the sides pubescent.