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XVI.—Descriptions of new species of New-Zealand Myriopoda

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Merragata hebroides, n. sp.

M. nigra, opaca, pilis brevibus numerosis suberectis pallidis vestita; capite (vitta transversali ante oculos excepta), pronoti disco macula rotundata utrinque, et margine postico ad medium, corii venis cubitali radialique rufo-ferrugineis; antennis pedibusque brunneoluteis, illarum articulo ultimo, horum tarsis ad apicem fusco-brunneis; clavo fere toto, corioque inter venas duas albis; clavi margine apicali male definito membranaque fuscis, hac maculis 4 albidis ornata.

Long. 2 m. m.

Corixidæ.

Corixa Blackburni, n. sp.

C. angusta, nitida, haud evidenter rastrata, ochroleuca nigro-notata, pilis adpressis cum setulis brevissimis erectis intermixtis vestita; pronoto lineis 11 transversalibus, hemelytris lineolis anguloso-undulatis, clavo ad basin apicemque lineis parallelis subintegris, nigris; corii limbo exteriore interrupte ochroleuco; membranæ sutura vix discreta, margine angustissime ochroleuco; corii area marginali pallida, ad basin nigricante, ad basin apicemque externe nigro-marginata, apice imo lineolis transversis nigris notato; capite brunneo, vertice angulato; sterno ad medium ventreque subfuscis; abdominis dorso infuscato basi apiceque brunneo-nigris, connexivo pallido; tarsis intermediis ad apicem et posticis articulo ultimo fusco-brunneis.

♂ palis oblique obovatis breviter acuminatis, tibiis anticis superne triangulariter dilatatis; fovea frontali obovata oculos vix superante.

♂ long. 4 m. m.

C. pygmaea Fieb. affinis.

XVI.—*Descriptions of new Species of New-Zealand Myriopoda.* By F. W. HUTTON, Professor of Natural Science in the University of Otago.

Henicops impressus, sp. nov.

Head broadly ovate, narrowed towards the front, with an elevated margin behind, and an impressed curved transverse line, convex backward, on the top before the eyes; space between the antennæ concave. Dental lamina with eight acute teeth. Antennæ tomentose, with 34-36 joints. Segments 15 (without the head), alternately large and small; but the small segment between the 7th and 8th and between

the 14th and 15th absent; each segment with a raised margin. Above olive-brown, generally more or less marbled with black; legs pale bluish; feet yellow. Under surface of head and region of anus reddish. Some scattered hairs on the legs. Length .6 inch.

Loc. Dunedin and Queenstown.

Himantarium ferrugineum, sp. nov.

Head subquadrate, longer than broad; anterior margin slightly convex, sides nearly straight, posterior margin straight. Antennæ approximated, moniliform, finely pubescent. Body composed of about 110 segments, which retain nearly the same breadth throughout. Basal article of the last pair of legs deeply and coarsely punctate, both above and below. Præanal scale rather attenuated behind and with a straight margin. Entirely pale red, antennæ rather lighter. Legs smooth. Length 4.3 inches, breadth .1 inch.

Loc. Wellington and Otago.

Himantarium morbosum, sp. nov.

Head elongate, convex on the sides; anterior margin sinuated, posterior straight; its length equal to about twice its breadth. Antennæ approximated, moniliform, hairy. Body composed of about 40 segments. Basal article of the last pair of legs smooth above, punctured below. Præanal segment rather longer than broad. Præanal scale rounded. Pale reddish yellow; head and antennæ ferruginous. Legs hairy. Length 1.85 inch, breadth .07 near the head, tapering posteriorly.

Loc. Wellington and Dunedin.

Iulus (Spirostreptus) striatus, sp. nov.

Head smooth, emarginate anteriorly. Antennæ tomentose, 7-jointed, the 2nd joint the longest, the 3rd to the 6th subequal. Segments 47, the posterior half of each with fine distant longitudinal striæ on the dorsal and lateral surfaces; anterior portion smooth. Lateral margin of first segment rounded. Præanal segment terminating in a slightly obtuse rounded point, not passing the anal valves. Upper surface brown, paler below. Length .4 inch.

Loc. Dunedin.

Polydesmus (Oxyurus) serratus, sp. nov.

Antennæ tomentose, 7-jointed, the 2nd and 3rd joints equal

and longer than the 4th and 5th, the 7th very small. Top of the head pentagonal; face with a few scattered hairs, smooth. Segments smooth, the sides of each produced into a strong keel, which extends backward on each side in an acute curved angle. Præanal segment terminating in a blunt point, with scattered white hairs; the inferior semicircular, slightly toothed. Dirty white, with a more or less distinct brown dorsal stripe; under surface white. Length .4 inch.

Loc. Dunedin.

Polydesmus (Oxyurus) Worthingtoni, sp. nov.

Antennæ tomentose, 7-jointed; the 2nd joint much longer than the 3rd or 4th, which are subequal. Segments 18 or 19, the same as in the last; but the angles on each side spring more suddenly from the posterior margin. Præanal plates as in the last. Dark reddish brown. Length .65 inch.

Loc. Queenstown.

Polydesmus (Strongylosoma) macrocephalus, sp. nov.

Antennæ 7-jointed, all the joints finely pubescent; 4th and 5th the shortest. First segment smaller than the head; lateral margins rounded. Segments smooth, very slightly keeled on each side. Præanal segment terminating in a blunt point without any hairs; the inferior semicircular with a longitudinal keel. White with pale brown spots and vermiculations. Length .6 inch.

Loc. Dunedin.

Craspedosoma trisetosum, sp. nov.

Antennæ 7-jointed, reaching back to the 7th segment; first and last joints short, the 3rd longest. Eye-patch pyriform, with the eyes in four rows. Segments 32, finely granulated on the back, and with a depressed longitudinal line down the centre; the lateral margins straight; each segment with three long bristles on each side, springing from tubercles, of which the lowest is the largest. Antennæ and legs with short hairs. Head yellowish, with a dark band between the antennæ; eyes and antennæ dark brown; segments blackish brown, each with oblique bands of olive before and behind the setiferous papillæ; legs pale yellow, marked with dark brown on the last two or three joints. Length 1 inch.

Loc. Dunedin.

Sphærotherium leiosomum, sp. nov.

Head sparingly, coarsely, irregularly punctured, with a

deep central transverse depression at the posterior margin and a few short bristles in front. Antennæ slightly setose, six-jointed, the last joint cylindrical, rounded at the tip. Nuchal plate smooth, but uneven, with a slight central depression in front and an anterior marginal ridge. Dorsal plates covered with very fine shallow punctures. First dorsal segment with a distinct lateral marginal ridge; last dorsal segment arched, slightly compressed, its margin entire and not ridged; intermediate segments with the lateral extremities broad, rounded in front and rectangular behind, with a rough triangular excavation at the anterior lateral angle; the 10th and 11th segments broader than those before them. Black, shining, more or less marbled with dark testaceous. Length $\cdot 75$ inch, breadth $\cdot 4$ inch.

Loc. Dunedin.

Differs from *S. De Lacyi* (White, Ann. & Mag. Nat. Hist. 3rd ser. iii. p. 406) in colour, in not being posteriorly attenuated, and in the head being much broader and shorter.

Obs. The types of all these species are preserved in the Otago Museum, Dunedin.

XVII.—*List of Lepidoptera recently collected by Mr. Walter Davis in Peru, with Descriptions of a new Genus and several new Species.* By ARTHUR G. BUTLER, F.L.S., F.Z.S., &c.

THE interesting little collection of which this is an account was made by Mr. Davis at odd moments snatched from the prosecution of his study of the botany of the country.

Although the families Erycinidæ and Lycaenidæ are unrepresented and only two species of Hesperiidæ have been obtained, the remaining families of the Rhopalocera are fairly represented, several rare and new species having been collected. Amongst the more striking forms may be mentioned the very scarce and beautiful *Agrias sardanapalus*, *Catagramma Felderi*, and two species of *Callithea*.

In order to render this enumeration as convenient as possible for reference, I have followed the arrangement adopted in Mr. Druce's List of Peruvian Butterflies in the 'Zoological Proceedings' for 1876.