INVERTEBRATA PACIFICA

Contributions from and through Department of Biology, Pomona College.

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DIPTERA

REPORTS ON CALIFORNIAN AND NEVADAN

DIPTERA, I.

C. F. BAKER.

Only through the kindly interest of Mr. D. W. Coquillett of the National Museum, does it become possible to publish these first results of the collection of the past year, at this time. Acknowledgments are also due Prof. J. M. Aldrich for the determination of most of the Dolichopodidae.

The material recorded herein was all collected in three regions, Ormsby County, Nevada, the vicinity of Stanford University, California, and about Claremont, Los Angeles County, California. The work done so far has been anything but thorough, and taken all together represents but very few hours actual labor. Indeed, the results are but a by-product of other very pressing work. It will be noted that the Stanford material is composed entirely of vernal and autumnal species, since I have never been there through the midsummer.

All the Nevadan material was taken by my wife or myself about our summer camp in the head of King's Canyon west of Carson City. The tents were placed just within the pines. Near them, in a tangled patch of willows and alders, welled up a small spring which supplied a few acres of meadow on the hillside below. Quite a variety of herbaceous plants grew in this vicinity. On the other side a few steps carried one among the sage and rabbitbrush (Chrysothamnus). Even though so manifestly incomplete, still the comparison of these collections is very
147 Syrphus Americanus Wied. Ormsby County, Nevada, and also Stanford University (753).

1766 Syrphus Analopus OS. Ormsby County, Nevada.

1767 Lasiosiphonius pyrastril. Ormsby County, Nevada.

565 Mesostigma orientale Say. Stanford University.

152 Mesostigma magnificum Say. Ormsby County, Nevada, and also Stanford University (18).

151 Sphaerophoria etiopis Thom. Ormsby County, Nevada, and also Stanford University (16).

1220 Volucella mexicana Macq. In the mountains near Claremont, California, common on flowers of Lepidaspis atacamatum in the Fall.

13 Erinaria nitida Lw. Stanford University.

14 Erinaria nitida Lw. Stanford University.

1768 Tropidia quadriata Say. Stanford University.

148 Helophilus latifrons Lw. Ormsby County, Nevada, and also at Stanford University.

1769 Helophilus mexicanus Macq. Ormsby County, Nevada, and also at Stanford University.

1207 Stenomyia interpuncta Will. In the mountains near Claremont, California.

35 Polydontomyia curvipes Wied. Stanford University.

CONOPIDAE.

108 Conops syvius Will. Ormsby County, Nevada.

107 Physocerophala affinis Will. Ormsby County, Nevada, and also Stanford University.

106 Physocerophala burgessii Will. Ormsby County, Nevada.

82 Zonosiphon pulchelles Say. Ormsby County, Nevada, and also Stanford University (41).

80 Ocema umbellata Lw. Ormsby County, Nevada, and also Stanford University (99).

84 Ocema baroni Will. Ormsby County, Nevada, and also Stanford University (40).

AGROMYZIDAE.

1272 Desmonotropa halterae Coq. Claremont, California.

1273 Desmonotropa miogramum Zett. Claremont, California.

1770 Leptopis bella Lw. Ormsby County, Nevada.

1771 Milicha indicora Lw. Ormsby County, Nevada.

PIPUNCULIDAE.

1772 Pipunculus rutilus Will. Stanford University.

PHORIDAE.

1773 Phora rufipes Meig. Stanford University.

1774 Trinca raptorum Fabric. Stanford University.

BORBORIDAE.

108 Limosina fонтinalis Fall. Stanford University.

78 Borborus equipes Fall. Stanford University.

GEOMYZIDAE.

984 Anthomyza variegata Lw. Stanford University.

99 Balioptera lurida Lw. Stanford University, and also in Ormsby county, Nevada.

Zagonia Coquillett, new genus.

Near Heterochroa, but the cheeks wider than height of eyes, etc. Head slightly longer at insertion of antennae than at the vibrissae, face slightly convex, cheeks greatly widening posteriory, the lower side of the head very oblique, occiput strongly convex, eyes bare, suborbicular, oblique, front slightly convex, wider than long, two pairs of vertical bristles, one of postvertical and of occular, two pairs of reclinate fronto-occipital bristles, front otherwise bare; antennae reaching less than half way to the oral margin, the third joint circular, arista basal, nearly bare, palpi clavate, proboscis very robust, scarcely half as long as height of head; body rather short and robust, mesonotum convex, five pairs of dorsocentral bristles, two of which are in front of the transverse groove, the hairs between them arranged in two rows, two pairs of supra-alar bristles, the anterior one in front of the groove, humeri apparently devoid of bristles, one posthumeral, one prepuberal, two sternopleural, one bristle and a few hairs near posterior upper angle of the mesopleura, scutellum bearing two pairs of bristles; legs rather short and robust, front femora bristle on the lower and posterior sides, preapical bristle present on the front and hind tibiae; auxiliary vein weak, extending close to the first, apex of the latter nearly opposite the small cross-vein, costa prolonged to apex of fourth vein, beset with distinct spines, apex of second vein about five times as far from apex of first as from that of the third, outer half of first posterior cell with nearly parallel sides, last section of fourth vein one-fourth longer than the preceding section, sixth vein prolonged nearly to the wing margin, second basal and anal cells complete.

Type, the following species:

1775 Zagonia flava Coquillett, new species.

Yellow, including the hairs and bristles except those of the palpi and costa, third joint of antennae and apical portion of arista