

ocelli. Clypeus small, long oval, the pointed end considerably exceeding genae, the latter being extremely narrow below the lorae. Below the eyes the sides of the genae are strongly obtusely angulate, the margin from this angulation to the lorae nearly horizontal. Pronotum short, width two and a half times length, anterior and posterior margins sub-parallel except at sides. Scutel rather small, shorter than pronotum. Ovipositor longer than rest of venter, exceeding the elytra by

nearly a millimeter. Last ventral segment about as long as preceding, hind margin truncate.

♂. Length 5 mm. Colors very much darker, nearly all below with anterior femora, black; the only light portions of the face being the lines above, and a large area on either side below.

Collected during August in Placer Co., California, by Mr. A. Koebele.

INSECTS COLLECTED AT JACKMAN, MAINE.

BY F. L. HARVEY AND O. W. KNIGHT, ORONO, ME.

In August, 1895, we spent a week in the vicinity of Jackman on the Canadian Pacific R. R. near where it crosses the Maine boundary, and the following insects were taken. We selected what seemed to be a very promising place for sugaring and laid a route nearly a mile long including all kinds of ground. We went over it twice each evening for three nights. The only remarkable thing noticed was the dearth of night-flying insects taken. The fields were alive with locusts and crickets. We were quite surprised to find the chinch bug in dry pastures on the high hills in Moose River township. The locality is fully 300 feet above the drainage of Moose River at Jackman. Moose River, after traversing several lakes, enters the North end of Moosehead Lake. The altitude at which the chinch bugs were found is remarkable, also the locality is nearly 100 miles farther north than Fryeburg, Me., where this insect infests one area covering many square miles.

ORTHOPTERA.

Gryllus luctuosus Serville. Very common under rocks and piles of stones in the fields and pastures. It was by far the commonest insect to be found in the vicinity of Jackman.

Nemobius fasciatus De Geer. Associated with the preceding species but not nearly so common.

Ceuthophilus maculatus Harris. Not very common. A few were found under logs and stone piles.

Scudderia curvicauda De Geer. Common in bushes and shrubbery.

Xiphidium fasciatum De Geer. Very common in fields and meadows.

Pezotettix glacialis Scudder. Rare. Five specimens were taken in open woods and bogs along a deserted wood road. These were found at an unusually low altitude for this species.

Melanoplus femoratus Burmeister. Common in fields and meadows.

Melanoplus atlanis Riley. Common in fields etc.

Stenobothrus curtipennis Harris.

Stenobothrus curtipennis longipennis Scudd. The above species and subspecies were very common in fields and meadows.

Mecostethus gracilis Scudd. This very variable species was common in the vicinity of Jackman.

Camnula pellucida Scudd. Very rare as only one specimen was taken.

Batrachidea cristata Harris. Very rare, only one specimen was taken.

HEMIPTERA HETEROPTERA.

Pentatoma juniperi Linn. Common.

Blissus leucopterus Say. The chinch bug was common in certain localities in pastures.

LEPIDOPTERA.

Pieris rapae Linn. Very common about Jackman.

Colias philodice Godt. Fairly common about Jackman.

Argynnis cybele Fab. Not common.

Argynnis myrina Cram. Quite common.

Melitaea phaeton Dru. Larvae of this species were very abundant in broods of forty or more on *Chelone glabra*. L.

Melitaea harrisii Scudd. Larvae very common in broods on various species of asters.

Grapta faunus Edw. Common along roads bordered by woods. Next to *Pieris rapae* this was the commonest butterfly seen.

Grapta progne Cram. Rare, only one specimen observed.

Vanessa antiopa Linn. Common.

Vanessa milbertii Godt. Not uncommon.

Pyrameis cardui Linn. Fairly common.

Limenitis disippus Godt. Not very common.

Satyrus alope Fab. Common in moist fields.

Satyrus nephele Kirby. Not very common.

Chrysophanus hypophleas Bd. Imagines very common along roadsides where they were feeding on the honey in the blossoms of May-weed.

Hemaris thysbe Fab. A few of the larvae of this species were seen on *Viburnum cassinoides*.

Sphinx canadensis (?) Boisd. A couple of larvae referred to this species of *Sphinx*, were found feeding on the leaves of blueberry bushes. Unfortunately they were affected by the larvae of some ichneumon fly.

Leucarctia achraea Drury. A few larvae were seen feeding on various grasses.

Platarctia parthenos Harr. A larva which could belong to no other of our Maine species was found, but has since died without going into a cocoon.

Apatela brumosa Guen. Uncommon at treacle. One specimen taken.

Agrotis perconflua Gr. Two specimens taken at treacle.

Agrotis baja S. V. Quite common at treacle.

Agrotis messouria. Quite common at treacle.

Agrotis ypsilon Rott. Common at treacle.

Mamestra picta Harr. One specimen at treacle.

Hadena sputatrix Gr. Common at treacle.

Hyppa xylinoides Guen. A couple caught at treacle.

Apamea nictitans Bkh. Not uncommon.

Apamea nictitans var. *erythrostigma*, Haw. Quite common.

Pyrophila tragopoginis Linn. Fairly common.

Pyrophila pyramidoides Guen. Common.

Eucirroedia pampina Guen. Uncommon.

Catocala concumbens Walk. Three specimens were seen.

Catocala briseis Edu. One specimen seen.

Plusia bimaculata Steph. One specimen taken.

Plusia simplex Guen. One specimen taken.

Drasteria erectea Cram. Common.

Cleora pulcharia Minot. Fairly common.

Epizeuxis americalis Guen. Common.

Ochyria ferrugata L. One specimen taken.

Depressaria pulvipenella Clem. Common in fields.

COLEOPTERA.

Cicindela 12-guttata Dy.

Cicindela cuprascens Sec.

Dyschirius globulosus Say.

Bembidium bimaculatum Kirby.

Bembidium nigripes Kirby.

Amara angustata Say.

Harpalus autumnalis Say.

Paederus littorarius Grae.

Coccinella transversoguttata Fab.

Tritoma thoracica Say.

Byrrhus americanus Lec.

Buprestis maculiventris Say.

Ellychnia corrusca Linn.

Aphodius fimetarius Linn.

Chrysomela philadelphica Say.

Galeruca tuberculata Say.

Crepidodera helxines Linn.

Ipthimus opacus Lec.

Upis ceramboides Linn.

Tenebrio molitor Linn.

Meloe angusticollis Say.

HYMENOPTERA.

Allantus basilaris Say.

Pompilus luctuosus Criss.

Larra (Tachysphex) tenuipunctus var.

Crabro interruptus Lepel.

Eumenes fraterna Say.

Ancistrocerus catskillensis Sauss.

Vespa consobrina Sauss.

Vespa diabolica.

Vespa germanica.

Vespa maculata.

Andrena nubecula Sm.

Halictus sp.

Halictus paralellus Say.

Bombus asptoni Cri.

Bombus vagans Sm.

Bombus terricola Kirby.

Bombus ternarius Say.



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