

Order Coleoptera (coleos—a sheath, pteron—a wing). Beetles.—A pair of horny wing-covers, which meet in a straight line down the back, and beneath which there is a single pair of membranous wings. Eleven thousand known kinds in Canada and United States.

Order Diptera (dis—two, pteron—wing). Flies, mosquitoes, etc.—Only two wings.

Order Lepidoptera (lepis—a scale, pteron—wing). Butterflies and moths. Four membranous wings covered with overlapping scales. Seven thousand known kinds in Canada and U. S. Butterflies.—Clubbed antennæ; fly only in day time, and usually hold the wings erect above the back when at rest. (A few moths have clubbed antennæ, many fly by day, but no moth presents all three of the above characteristics). Seven hundred kinds in Canada and U. S. Moths.—Antennæ not clubbed; fly generally at night; wings not held erect when at rest. Six thousand four hundred kinds in Canada and U. S.

Order Neuroptera (neuron—a nerve, pteron—a wing). The Lace-wings.—Four wings with numerous veins and cross-veins.

Order Hemiptera (hemi—half, pteron—wing). Bugs, lice, aphides, etc.—With four wings, or wingless.

Order Orthoptera (orthos—straight, pteron—wing). Crickets, grasshoppers, etc.—Four wings, first pair thickened and overlapping when at rest; second pair thinner and folded in plaits like a fan.

Order Odonata (odous—a tooth). Dragon-flies.—Four wings, finely netted with veins; hind wings as large, or larger, than fore wings; each wing has near the middle of the front margin a joint-like structure, the nodus.

NOTES ON THE LOCUSTIDÆ OF ONTARIO.

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(Continued from p. 341, Vol. XXXVI.)

14. *ORCHELIMUM VULGARE*, Harr. The Common Meadow Grasshopper.

Orchelimum vulgare, Harr., Ins. Inj. Veg., 1862, 162.

Xiphidium agile, Redtenb., Verh. zool.-bot. ges., Wien., 1891, 186 (in part).

Orchelimum agile, Scudd., Proc. Davenp. Acad. Nat. Sc., VIII., 1900,

73.

Measurements: Length of body, male 18 mm., female 18.5 mm.; of pronotum, male 5 mm., female 5.4 mm.; of hind femora, male 14 mm.,

February, 1905.