

the Cicindela, it is predacious in its habits, and has been known to devour fishes and frogs far larger than itself. The cockchafer is purely vegetarian in its habits; its mouth seems more adapted for grinding its food, than cutting it, and its sluggish shape contrasts strongly with that of some of the carnivorous ground beetles. It is said that poisons have no effect upon the grub of this beetle, but alkalies seem fatal to it. Further examples were then taken from the order to which the locusts and crickets belong. The various peculiarities of the house-cricket were described, particularly its remarkable gizzard, covered internally with scales or horny points. The mechanism by which the chirrup of the grasshopper is effected, was explained at considerable length, as were also various points of structure in the mole-cricket and the cockroach. The dragon-fly and the *Urocerus gigas*, an insect very destructive to pine-trees, were also described in detail, particularly the curious ovipositor of the latter; and the last illustration selected was one of the saw-flies. The lecturer concluded by remarking that all these curious contrivances were evidently made to adapt each insect for its special functions in the economy of nature, and that it afforded one of the many proofs of the harmonies to be observed in the material world. The paper was illustrated with a number of microscopical preparations of various parts of insects, and with a large series of magnified drawings.

After some remarks upon the paper by Principal Dawson, by the Right Rev. the Lord Bishop, the Rev. A. F. Kemp and others, the thanks of the meeting were voted to Mr. Ritchie for his paper.

J. F. W.

Mr. Watt presented to the meeting:—

1. A very full catalogue of Canadian plants, by Mr. A. T. Drummond of London, C. W., including not only that gentleman's own collections throughout the Province, but also a reference to nearly all that has been published on Canadian Botany. His list of Lichens is particularly full, embracing about 150 species.

2. An elaborate catalogue of the Flora of the county of Hastings, C. W., by Mr. Macoun of Belleville, which includes many rare and interesting plants. Mr. M.'s list of Carices is especially interesting, and extends to nearly ninety species. His list of mosses includes one very interesting new species,—*Neckera Macounii*, Sullivant, MS. Canadian Muscology offers an inviting field for assiduous exploration.

3. A catalogue of the collections of Dr. J. G. Thomas, in the vicinity of Quebec and of Rivière-du-Loup, C. E. Credit is due