

therefore much pleased to capture a pair last summer. The ♂ was taken near Rideau Hall on 27th June; the ♀ on Sparks Street in the centre of the city, on 11th July.

*Microclytus gazellula* Hald. is also a species belonging to the Middle States, and is given in my Michigan and Buffalo lists. It is an elegant little beetle with the ant-like form and movements of *Cyrtophorus verrucosus*, which it closely resembles. Only three specimens found, on Hickory and on Sumac flowers in July.

*Leptura saucia* Lec. This *Leptura* occurs on flowering shrubs, and is the smallest species which I have taken. It is rare here, and is not given in any of my lists.

*Monohammus maculosus* Hald. A fine ♂ of this species was captured late in September three or four years ago. As it resembles pretty closely the very common beetle, *M. confusor*, I thought I might have overlooked specimens previously, but a careful watch since then has not revealed any. It is recorded from Lake Superior.

*Goes pulverulentus* Hald. This fine insect is rare on Hickory during July. Occurs also at Buffalo.

*Leptostylus parvus* Lec. One specimen of this rare beetle.

*Liopus punctatus* Hald. Rare, only three captured. Neither this nor the preceding species is included in any lists to which I have referred.

*Saperda mutica* Say. On the 15th July, 1882, I captured a pair of these prettily marked beetles on decaying willows. It is recorded from Buffalo.

(To be Continued.)

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## THE SURVIVAL OF THE FITTEST AMONG CERTAIN SPECIES OF PTEROSTICHUS AS DEDUCED FROM THEIR HABITS.

BY JOHN HAMILTON, ALLEGHENY, PA.

The ultimate extinction of many species of Coleoptera in the vicinity of large cities is unquestionable, especially of the larger Carabidæ. The conditions of life with some are such as admit of no adaptation to the methods of civilization, and for them no refuge from the encroachments of agriculture will eventually remain. They are now retiring, retiring, and