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## THE INSECT FAUNA OF THE SUDBURY DISTRICT, ONTARIO.

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Prior to the advent of the Canadian Pacific Railway, in the year 1883, this district was entirely unsettled, being, in fact, a *terra incognita* to all except servants of the Hudson Bay Co., officials of the Geological Survey, and Provincial Government surveyors. But it had been devastated to a large extent by forest fires, which occurred at intervals during a period of some fifty or sixty years previously. These fires entirely destroyed the virgin forest (which consisted chiefly of white pine) over large tracts, by killing the trees and leaving them susceptible to the attacks of their insect enemies, and presenting at that date (1883) a desolate appearance, caused by the thickly-standing tall bare trunks and stubs of trees, among which had sprung up a thick growth of saplings of white birch, poplar, etc.

To this great destruction of timber, left to the mercy of its many insect foes and their parasites, etc., may no doubt be attributed the great variety and numbers of insects of the various orders, not to mention the pests of human existence, viz., mosquitoes, and black and sand-flies, the wood borers being especially numerous, both specifically and numerically.

Isolated patches of green pine forest were, however, left untouched among the general destruction, one of which was in the immediate vicinity of the town of Sudbury. This timber was utilized in the construction of the railway, and in after years the bark-covered stumps afforded a great number of a large series of species of insects to those in search of such inhabitants.

The writer, during a period of some seven seasons, collected in the several orders enumerated below, in the lists of which will appear the names of all the species he has as yet had worked out and determined.

### LIST OF COLEOPTERA.

In the following list, containing 494 species, there are sixty-five species not enumerated in the Society's list, but of these, four have been