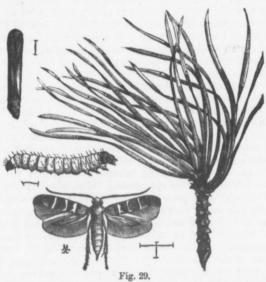
he insect, the only chrysalis

ably be e below presence eted; it bloured, ther in eaves is

brown It is s place

s of an e-wings e grey, and both pairs are deeply fringed. There are two or three broods of this insect during the year.



In addition to those enumerated, there are a score or two of species of insects which are known to devour the leaves of the pine, in some instances injuring them very much. Unfortunately it does not yet seem to be within the power of man to do much directly towards limiting the destructive work of these enemies to our forests, yet this should not deter us from studying their habits and life history, as a knowledge of these may help us much more than we anticipate. A few trees, such as a belt or group planted for shelter or ornament, may be protected from the leaf-destroyers by syringing them with a mixture of Paris green and water, in the proportion of a teaspoonful of the poison to a pailful of water. Bark lice may be killed by the use of alkaline washes applied with a brush or broom; such alkaline applications are also of use in preventing the borers from obtaining a lodgement in the trees, as these insects will not usually deposit their eggs on trees so protected; but it is scarcely possible that such remedies can ever be applied over extensive areas of forest. It is gratifying to know that in addition to the number devoured by insectivorous birds, almost every injurious species is preyed on by predaceous and parasitic insects, which seek out and destroy the pests with ceaseless diligence. Were it not for these friendly species, the destructive insects would long ere this have rendered the growth of trees an impossibility.

THE CHINCH BUG-Micropus leucopterus. Say.

By Wm. Saunders, London, Ont.

This formidable insect pest has recently appeared in force in the adjoining State of New York, where it has within a limited area inflicted a very considerable amount of damage. That an insect so enormously destructive as this one is in the west, has domiciled itself so near us is sufficient to excite some alarm and induce our agriculturists to be on the alert and to use such defensive measures, in case of attack, as the science of economic entomology has suggested.

During the last week in September a package of insects was forwarded to the New York State Entomologist, with the following statement in regard to them, from Mr. M. H. Smith, of Redwood, Jefferson county, N.Y.: "I herewith transmit specimens of (to us)