Entomology.

Entomological Gleanings.

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With a fruit farm in the country frequently visited, and a fruit garden in town, my opportunities for observing the times and doings of insect fees and friends are sufficiently ample to satisfy the desires of the most active and enthusiastic "bug-hunter" that ever carned a net. Now a swarm of aterpillars distigures the form and mars the beauty of a handsome tree, by consuming a considerable part of its foliage; again a host of aphides, by their constant sucking of the juices of the leaves, will cause them to shrivel, curl up, and often change colour, and the enormous rate at which these creatures increase adds much to the difficulty of their extermination; or some unwelcome "little Turk" sits down uninvited to feast on our tmest fruits, and, not satisfied with appeasing its own appetite, leaves its progeny behind to complete the work of destruction; or it may be some rascally borer insidiously undermines one's fondest hopes by girdling and thus destroying trees or shrubs whose deprecations on the transfer than its growth has cost years of toil and watching. I has was nearly a leaves having usual time of appearing, the leaves having growers and others to a better acquaintance with these expensive insect guests, I propose in this, and probably some subsequent papers, to record observations made from time abundance in different stages of developto time as the season advances,

On the 6th of May the first foe was met. A lot of dwarf pear trees arrested attention the enemy to the ground in considerable named Phytocoris (Capsus) linearis. I never; remember having seen this creature doing, damage before, so a careful examination of its work was made. Our foe "linearis" is; not a "big bug;" it does not measure more than one-fifth of an inch. It is rather variable in colour, from dull dark brown to greenish brown, or sometimes dirty yellowish brown. The males are usually darker than the females. The head is yellowish, and has three narrow reddish stripes. The beak or sucker is about one-third the length of the body, and when not in use is folded under the breast. The thorax has a yellow margin and several yellowish lines running length-

are a dusky brown, and the legs of a dull, more than half grown. It is a very small dirty yellow.

young leaves of the just opening buds, punc- head and a dirty brown-coloured body, with turing them about their base and along the a far small brown dots and fine hairs scatedges, and extracting their juices with its tered over its surface. Its tenement consists beak. The result was to disfigure and some of a dried-up, blackened leaf, portions of a times entirely destroy the young leaves, causing them to blacken and shrivel up. also withered and blackened. Sometimes a newly-formed fruit. If you have a new near curring in Vermont in large numbers in 1851, prevented any remedies being used. Probably to gnaw a hole into the top of the branc's would have lessened their numbers.

On the 10th of May I was astonished to fly, Nematus ventricosus, commencing its expanded about three weeks earlier than usual. On examining the under side of the eaves rows of white eggs were found in ment. Those newly deposited were very much smaller than the others, and appeared to be but slightly attached to the surface, from the backwardness of some as compared not let into a slit made in the leaf by the with others, the unequal way in which the could find no traces of such an operation, fomale, as is commonly supposed; at least leaves were expanding, and the dark colour, although I examined them carefully with a younger leaves. No caterpillars were to be microscope. The gooseberries were now in seen, but on jarring the trees down came full bloom. In the second volume of the "Canadian Entomologist," p. 16, and also numbers, partly falling, partly flying. It p. 48, an opinion is expressed that a cocoon proved to be a small bug, belonging to the of this insect found freshly made on the 29th true bug family, Hemiptera, and a species of May was the work of larva which had wintered over. The observations made this spring do not in any way upset this idea, for the earliness of the season will account for the apparent discrepancy. They will cer tainly prove very troublesome this season, they are so very abundant, and now, at the last of the month, when many of the fullgrown larvæ have gone into chrysalis, freshly aid eggs or larvæ just hatched may be found on almost every bush. Remedy-patience and plenty of hellebore, an ounce or two to the pailful, and shower lightly on the bushes with the watering pot.

There is a small caterpillar, a leaf-roller or case-maker, which is very troublesome. wise. Behind the thorax is a yellow V-like It probably passes the winter in the catermark, sometimes more or less imperfect, but | pillar state, for almost as soon as the buds usually sufficiently clear to help one to a begin to burst it begins its mischievous operaready recognition of the species. The wings tions, andwhen first observed is not usually

thing even when full grown, being then halt This enemy ensconces himself within the an inch in length, with a small shining black which are drawn together so as to make rude case, the centre part of which, where They were also somewhat partial to the un- his highness resides, is lined with silk. It opened buds, piercing them from the outside is very fond of going just where you do not and sucking them nearly dry, when they want it. It is partial to the blossoms an i whole branch would be thus affected, be- or apple fruiting, with a single bunch of coming first stunted, then withered, next blossom on it, which you are anxiously dead Dr. Harris, in his "Insects Injurious" watching, by and by you find that several of to Vegetation," mentiones this bug as oc- the blossoms have set, and while you are tlattering yourself that they are doing well. attacking almost every green thing and doing along comes this mischief-maker, pitches h.s a great amount of mischief throughout the tent alongside this very spot, and drawing summer. In our own case they disappeared the young fruit together with silken thread. in about a fortnight, but left the trees in a holds high carnival among them and frusvery dilapidated state. Press of other work trates your hopes. Another of its tricks is a solution of sort soap or dry unslacked lime from which your bunch of blossom issues. and, tunnelling it down, cause the whole thing to wither and die. Often it contents see the young larva of the gooseberry saw, itself with damaging the leaves only, and this one does not mind so much, drawing one after another around its small insid. case, until it forms quite a little belt of withered and blackened leaves.

> Hand picking is the only remedy suggeste i for these, unless you can employ small bird . such as sparrows, in hunting them up for

The moth which this caterpillar produces is rather a pretty little thing. Its name we are not yet able to give. It measures, whe:. its wings are expanded, about half an inch. Its fore wings are greyish brown, with a shining white, almost silvery band across the middle, widest on the front margin. The hind wings are plain pale blue, and both are prettily fringed with fine brown hairs, those on the hind wings longest. It appears on the wing from the middle of June until the early part of July. It probably lays its eggs on the leaves, and when the young worms appear, which is most likely early in the fall, they make their small inner silken case. and, attaching themselves to some part of the tree, remain unobserved, and in this condition probably winter, awakening to new life and energy with the opening spring.

CATERPILLAR ON APPLE TREES .- Miss J. S. K., Cookstown, Ont .- We regret very much that the specimen you sent us some little time ago has disappeared without affording us an opportunity of examining it carefully. It was sent at a time when the editor of this department was in the midst of the operation of moving from his former residence to Port Hope. No doubt it escaped or was lost in the confusion and disarrangement that unavoidably take place at We beg that our correspondent such times. will accept our apologies for the mishap.