

rule, and produces at least a third and probably will produce a fourth generation, by exception.

During the first week of May of the present year the beetles were abundant, and by the 6th of May the first eggs were found. By the 20th of the same month the eggs were hatching, and by June 8th the first pupæ were obtained. By June 12th the bulk of the larvæ had transformed to the pupa state, and by June 18th, in the vivarium, the second generation of beetles (or first bred of the season) began to appear, and were in great numbers by the 20th of the same month. Before the end of the month of June most of the second brood of beetles had issued and eggs from this second brood were obtained in numbers and were numerous out of doors wherever the leaves had not been already ruined. Yet up to this time belated larvæ of the first generation were yet to be found. By the 15th of July the second generation of beetles began to get scarce and to perish in the vivarium. By the 18th of July the first pupæ of the second generation were observed, and the bulk of the larvæ were descending the trees. Nevertheless, at the same time and up to the 26th of July, there were eggs and larvæ of all sizes yet to be found of this second generation. During the last days of the month, these larvæ of all sizes were everywhere crawling about, having defoliated the trees. The third generation of the beetles in the vivarium began to appear on the 27th of July, exactly 27 days from the egg, and during the first ten days of August the eggs were obtained in the vivarium from this third generation of beetles. To sum up, the larval period of the first generation lasted from the third week in May to the end of June, the bulk transforming to the pupa state about the middle of June, the hibernated imagos being scarce or absolutely unseen during the month of June. The beetles of the second generation began to appear about the middle of June and were in force during the third week of that month, while yet a few larvæ of the first generation were to be found. By the end of June most of the second generation of beetles had issued, and the eggs of these were numerous where the leaves had not been previously destroyed. By the middle of July the imagos of the second generation became scarce, and during the third week of the month the bulk of the larvæ of the second generation were descending the trees. Some pupæ were formed, and a few of the eggs and larvæ of all stages were yet to be seen. By the last of July the third generation of beetles began to appear, and continued to issue during early August. The eggs of this third generation are laid only on fresh leaves.