one species, those having white on the wings the males, and *Lunata* the female.   On page 228 of the same volume, Mr. Bean again refers to the same subject, giving some additional evidence from observation of the imagines, going to show the correctness of the position taken.   Since that time many have regarded the question as settled, though I find in the Check List recently published by the Brooklyn Entomological Society, the three names stand as three species, with *Nigricans* between *Saundersii* and *Lunata.*

The result of my rearing fully confirms all Mr. Bean claimed, as the following will show.   From the one brood of eggs deposited by a single moth, form *Lunata, Lunata, Saundersii* and *Edusa* were obtained, and the forms were hatched in the following order : Numbers 1, 3, 9, 12 and 13 were *Lunata ;* Nos. 2, 5, 6, 7 and 10 were *Edusa ;* Nos. 4, 8 and 11 were *Saundersii.*   As an evidence of sex the frenulum was examined in each specimen, and in all the *Lunata* it was double, but single in both the other forms.

This settles the question beyond any doubt, and reduces two of the forms to sexual varieties.   I have not the works containing the original descriptions by me, and can not say for that reason which name has the priority, but shall leave that question to some one who has access to these works.

Knowing this species to be a general feeder from having reared it on maple and willow before, no effort was made to test its range of food plants, but it was fed most of the time on plum leaves.

ON A RECENT SPECULATION AS TO RANK IN INSECTA.

BY A. R. GROTE.

The reader will have noticed, in the June number of the CANADIAN ENTOMOLOGIST, a paper on the " Physiological Arrangement of Insects." The author there places the *Orthoptera* first in this list, owing to the presence of auditory organs and well developed eyes.   The " arrangement" which follows is exceedingly "mixed," but the object of the present remarks is to point out that the author mistakes when he considers the presence of sense-organs as the crucial test of rank.   And for this