

from some unknown reason produces a blue sensation in the eye.

To sum up briefly, it appears to me that there is very little evidence in favour of any theory except the old and hitherto unquestioned one, that the blue colour of these butterflies is due to internal colouring matter, probably a dye of some sort, since, as far as I know, pigments, properly so called, do not show complementary colours when seen by transmitted and reflected lights. The presence of the dark background is probably for the purpose of cutting out all transmitted light which might give a yellow tinge to the blue, and to hide the variegated pattern of the underside, which otherwise, owing to the transparency of the blue scales, would be visible through them and finally to give a greater depth to what would otherwise be an extremely pale tint.

(Read before Montreal Branch Ent. Soc. of Ont., Feb. 20, 1915.)

FIELD NOTES AND QUESTIONS.

NEW JERSEY NURSERY INSECTS FOR 1914.

The following is a list of the commoner species found in New Jersey nurseries. Most of them are confined to ornamental stock, inasmuch as this class of plants occupies 2400 acres out of an acreage of 2600 for all the nurseries, the remaining 200 being planted to fruit stock, bush berries and strawberries.

Aspidiotus perniciosus Comst. Light infestations on left over fruit stock, mountain ash, hawthorn, currants, gooseberries, *Cornus sanguinea*, *Aronia arbutifolia*, Chinese privet, standard privet, *Spiraea sorbifolia*, snowberry.

Lepidosaphes ulmi Linn. Increasing in importance and numbers. Does far more damage than the San José Scale. Found principally on lilacs, poplars and willows.

Gossyparia spuria Mod. on elm. *Chionaspis euonymi* Comst. on euonymus. *Aspidiotus forbesi* Johns. on cherry. *Pissodes strobi* Peck. more abundant than usual in white pine.

Scolytus rugulosus Ratz. common in left-over and neglected peach and cherry stock. *Cryptorhynchus lapathi* L. in poplars and willows. *Agrilus viridis* Linn. var. *fagi* Ratz. fairly abundant in *Rosa rugosa*. *Agrilus sinuatus* Oliv. in pear, scarce.

Galerucella luteola Mull. on elms. *Cyllene robiniae* Forst. in locust. *Melasoma scripta* Linn. present in small numbers on poplars and willows. *Podosesia syringæ* Harr. in lilacs. *Macro-*