A NEW HEPIALUS FROM NEW YORK.

BY A. R. GROTE, BUFFALO, N. Y.

Hepialus auratus, n. s.

This species is smaller and slighter than *argenteomaculatus*, and differs from any previously described from our territory by the gilded primaries, which are as brilliant as those of *Plusia verruca*. Dull lilac or pinkish fuscous. Fore wings falcate, with a fine brown line on submedian fold. Between the subcostal vein and submedian fold the wing is covered centrally with large patches of dead gold. There are two brown costal patches, between which are double pale lilac marks, the inceptions of the transverse lines, of which the outer beyond the outer brown patch is alone continuous, broad, irregular. Some dead gold patches about the discal mark, which is finely margined with brown, pyramidal, bright gilded. Three similar bright gilded, triangulate, brown-edged spots, form part of the subterminal line opposite the cell. Else the s. t. line is narrow and brownish, broadly margined by dead gold shading on either side. Hind wings pinkish fuscous with orange fringes. Beneath fuscous, without marks; external margin of primaries touched with orange; the short fringes shaded with orange on both wings.

Expanse 48 mil. Lewis Co., New York, July, Mr. W. W. Hill.

ENTOMOLOGICAL INDEX TO AGRICULTURAL REPORTS.

We have lately received through the kindness of the author, Professor Townsend Glover, a most valuable publication entitled "Manuscript Notes from my Journal," being an Entomological index to the names, &c., of insects occurring in the annual agricultural reports published by the Department of Agriculture at Washington from 1854 to the present time, with a list of the vegetable and animal substances injured or destroyed by them.

This work is published in quarto form, and uniform in style with the previous works of the same author on Diptera, Hemiptera and Orthoptera, noticed in the earlier volumes of this journal. The first 77 pages is occupied with an alphabetical list of the names of the insects referred

to in the various reports, with brief explanatory references. Following this we have a list of insects to a greater or less degree beneficial by destroying noxious insects, a paragraph on other agencies referred to as useful in the destruction of insects, concluding with a list occupying 21 pages, also alphabetically arranged, of vegetable and animal substances injured or destroyed by insects.

The compilation of this work has been attended with much labor, and furnishes another evidence of the untiring industry of the author. It will prove an invaluable help to all who desire to consult the pages of these reports for information on Entomological subjects, and it is much to be regretted that the edition is not sufficiently large to make it accessible to all who may be interested in Entomology.

NOTE ON THE STRUCTURE OF NEPHOPTERYX ZIMMERMANI.

BY A. R. GROTE, BUFFALO, N. Y.

The following note on the structure of *Zimmermani* is taken from a MS. paper on the N. Am. *Phycidæ* which I am preparing for publication. I would be glad of more material in this group from any correspondents.

"Pinipestis (sub-gen. nov.).

Maxillary palpi alike in both sexes, concealed by the porrect labial palpi, which have the third article erect and exceed the front. Ocelli present. Male antennæ very slightly bent at base, where they show slight continuous scale-tufts; ciliate beneath. Fore wings with veins 4 and 5 running close together at base; these veins are seen to have a separate origin, 5 on the cross-vein close to 4, divaricating at one-third from base. Hind wings 8-veined; vein 5 running close to 4 at base, but separate and continuous with the discal cross-vein. Head behind with a thick transverse ridge of scales; clypeus with a bunch-like projection of scales centrally."

I have corrected my former statement as to vein 5, having made a fresh observation under a 1-inch objective. This correction will not allow of the species remaining under the sub-genus *Dioryctria* as defined by Heineman, and presumably establishes *Pin. Zimmermani* as distinct from the European *Dior. abietella*.