

A NEW INJURIOUS PINE-NEEDLE MOTH.

BY AUGUST BUSCK, U. S. NATIONAL MUSEUM, WASHINGTON, D. C.

Recurvaria pinella, new species.—Antennæ dark purple, with silvery-white annulations. Second joint of labial palpi black, with apex and a large spot on the inner side silvery white; terminal joint white, with a narrow black annulation on basal half. Face white, iridescent, sprinkled with darker scales. Vertex and thorax dark purple. Fore wings dark purple, sparsely sprinkled with lighter scales. From basal fourth of costa to basal third of the dorsal edge is a thin, very indistinct and ill-defined oblique white fascia. Along the dorsal edge below the fold are two or three very small tufts of black and white raised scales. Cilia dark purple, apical part with a still darker blackish basal line along the edge of the wing. Hind wings light fuscous; cilia yellowish. Abdomen bronzy fuscous; female with protruding horny, hairy ovipositor. Legs purplish black, with white bars; tarsal joints tipped with white.

Alar expanse: 9-10 mm.

Food-plant: *Pinus ponderosa*.

Habitat: Manitou, Colorado, Prof. C. P. Gillette. U. S. N. M. Type No. 9811.

The larva mines the leaves of *Pinus ponderosa* exactly in the fashion of the common *Paratechia pinifoliella*, Chambers, in the Eastern States, and is, according to Prof. Gillette, of some economic importance.

Prof. Gillette, who has shown me beautiful drawings of this insect and its work, will shortly give a fuller life-history.

In coloration the species comes nearest to *Recurvaria nigra*, Busck, but that species has the thin cross line at apical third of the fore wing instead of at basal third as in the present species. Venation and oral characters typical.

ANNOUNCEMENT.

The Rev. C. J. S. Bethune, editor of THE CANADIAN ENTOMOLOGIST, has been appointed Professor of Entomology and Zoology at the Ontario Agricultural College, Guelph.

All communications intended for him personally, or as editor of this magazine, should be addressed, after June 11th, to

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Books and Exchanges (as hitherto) to The Entomological Society of Ontario, London, Canada.

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