

those in the middle row much larger than the others, taper slightly posteriorly and do not extend upon the first three segments; last segment flattened above, with three small tubercles on each outer edge, the hind angles are produced into a two-pronged projection, the inner prongs of which are bent inward, nearly meeting; head dark brown; a prop-leg beneath the last segment; length nearly one inch. I found several of these in some decayed oak-wood April 5, and the beetles which issued from them were first observed July 8. One of these larvæ devoured a Capricorn larva, which I put in the same collecting box. I have also found these larvæ in decayed apple-wood.

*CENTRONOPUS CALCARATUS*, Fabr.—Body polished light brown; last segment terminates in two, short, thick points; head light brown; no prop-leg beneath the last segment; length slightly over one inch. From larvæ found in early spring, one pupa was observed May 21, and the perfect beetle issued from this on the 29th of the same month.

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## ON THE NORTH AMERICAN CALPINÆ TO HELIOTHINÆ.

BY A. R. GROTE.

(Concluded from page 77.)

### NEUMOEGENIA Gr. (1882).

Form slender; vestiture scaly; clypeus rough, with a superior arched ridge, infra-clypeal plate prominent; wings very wide, entire; apex determinate; external margin regularly rounded. Labial palpi short. Legs slender and apparently unarmed. Eyes naked, unlashd. Abdomen hardly exceeding secondaries. Body untufted on the dorsal line. The type and only species is snow white, with a large, golden, metallic, trigonate, median patch on primaries above, leaving the external margin and costal white, and with a white patch at extremity of median vein and a reddish stain near the base of the wing.

#### 1. *Poetica* Gr. Arizona.

This is one of the prettiest moths allied to *Plusia* in our fauna.

This paper is the result of my studies upon Mr. Neumoegen's collection, commenced last autumn, but interrupted and delayed by my bad health. The first part, already published, was put into shape from my