

as its allies. Beneath it is light yellowish gray with the spots and lines much as in *Zelleri*, which it exceeds in expanse. *Expanse* 22 mil. Erie Co., N. Y. (coll. m.)

Phoxopteris loricana, n. s.

Bronzy brown with metallic reflection. Fore wings produced at apices; a metallic patch, widening outwardly, triangulate, extending to middle of wing, limited inferiorly by the submedian fold. A metallic stripe along internal margin. Costa from middle to apices shaded with ochre brown, enclosing black marks on the edge of the wing and some metallic scales just beyond middle of wing; beyond this is a curved line of black and metallic scales just before apices, and within it some metallic scales on costa. A sinuate black line, becoming metallic at base of fringes, runs down from apices, bounding the ochre brown portion of the wing and limiting outwardly a patch extending above internal angle to middle of external margin. This patch is outwardly ochre brown, enclosing an inferior black dash and above a dead brown ovate spot. Inwardly the patch is metallic, enclosing a black spot and an irregular black line, partially resolved into dashes. Hind wings dark brown with paler fringes. Head and thorax metallic. Beneath iridescent black with ochrey tips to fore wings. *Expanse* 18 mil. Collected by Mr. G. R. Pilate at Dayton, Ohio. Type in collection of Prof. Fernald, who kindly informs me the species is hitherto unnamed.

Racheospila cupedinaria, n. s.

♂. Antennæ with long pectinations, but simple at tips for over one-fourth of their length. Size small. Fore wings delicate green, with the lines obliterate. Red discal points on both wings. Wings margined with dark red and with paler red fringes. Costa of primaries margined with red above and below. On external margin the red edging broadens at internal angle. Internal margin of primaries and costal margin of hind wings without edging. On secondaries the red edging is continued around anal angle, where it widens slightly, as also below apical angle; beneath as above, the discal points feebly marked. Stem of antennæ white above and between them on vertex. Head behind collar and front red. Abdomen red, with white spots on dorsum, the largest near the base; beneath paler. Thorax red centrally with a white spot behind; tegulæ green. Length of primary $\frac{7}{8}$ m.m. Florida (Enterprise, May 24), Mr. Schwarz. Differs from *micularia* by the red abdomen and absence of white lining