

the dorsum fuscous, apex of the segments black, with an interrupted yellow basal lunule; apical segments entirely blackish-fuscous; wings hyaline, the costa yellow, pterostigma short, the sides a little oblique, black. Length 53-41 millim.; alar expanse 49-41 millim.; pterostigma $1\frac{1}{2}$ millim.

Hab.: U. S. Chicago, Minnesota, Indiana, Pennsylvania, New York, Mass.

CALOPTERYX, *Leach*.

C. VIRGINICA, *Drury ed. Westwood*.—*C. DIMIDIATA*, *Rambur*.

Brassy-green, shining; labium, antennae, thoracic sutures, pectus, venter, and feet black; abdomen with the dorsal stripe, venter with segments 8-10 yellow; wings narrow, hyaline, the base somewhat flavescens, the apex blackish-fuscous; pterostigma in the female snow-white. Length 50-52 millim.; alar expanse 70-72 millim.; pterostigma 2 millim.

Hab.: Hudson's Bay, U. S. Mass. and Southward.

C. MACULATA, *Beauv.*—*C. HOLOSERICUS*, *Burm.*—

C. PAPILIONACEA, *Ramb.*

Brassy-green or blue, shining; labium, antennae, thoracic sutures, pectus, venter, and feet black; abdomen with a dorsal yellow stripe, 8-10 segments in the female; wings very broad, densely reticulated, black, sometimes with hyaline spots in the male, or clouded with fuscous, and fuscous at the apex, the female with a snow-white pterostigma. Length 38-48 millim.; alar expanse 63-65 millim.; pterostigma $2-2\frac{1}{2}$ millim.

Hab.: U. S. Chicago, Mass. and Southward. A species common and widely diffused.

C. APICALIS, *Burm.*

Brassy-green, shining; labium, antennae, thoracic sutures, and pectus black, or in the female in part flavescens; feet long, black, with long cilia; wings narrow, hyaline, or with the apex narrowly fuscous, pterostigma absent. Length 42 millim.; alar expanse 62 millim.

Hab.: U. S. Pennsylvania, Mass.