

than in other species; scutellum with numerous hairs on apical half of disc; several hairs at base of stigmatal bristle; pteropleura with one or two long hairs in centre. Abdomen more densely haired than in other species. Inner cross-vein below apex of auxiliary; last section of fourth vein distinctly sinuous. Hairs on posterior surface of mid and fore femora long and rather dense; hind femur with a series of fine hairs on antero-ventral surface but no bristles.

Length 4.5-5 mm.

Type.—Briggsville, North Adams, Mass., June 18, 1906. Paratypes, same locality as type, June 19, and North Adams, Mass., June 18 (C. W. Johnson). Three males. Type in collection of Boston Society of Natural History.

***Lonchæa affinis*, sp. n.**

Male.—Similar to *hirta* in colour, the wings yellowish, with pale bases. Frons not so densely haired, the cheeks especially more sparsely haired; third antennal segment barely three times as long as its greatest width. Thorax and abdomen less densely haired than in *hirta*; pteropleura bare. Venation as in *hirta*, the last section of fourth vein not so noticeably sinuous.

Female.—Similar to the male in colour.

Eyes separated by about one-third of the head-width at vertex, slightly less anteriorly; frons shining, minutely granulose, with a slight carina in centre as in male; sometimes one or two hairs present caudad of the orbital bristle. Ovipositor with two exceptionally long hairs on upper side near apex. Inner cross-vein beyond apex of auxiliary vein.

Length 4-5 mm.

Type.—Male, Mt. Washington, N. H., Alpine Garden, July 4, 1914. Allotype, Glen House, N. H., June 13, 1916. Paratypes, male, Mt. Everest, Mass., June 27, male, North Adams, Mass., June 15; male, Bashbish Falls, Mass., June 28, 1912; female, South West Harbor, Me., July 13, 1918 (C. W. Johnson). Type in collection of Boston Society of Natural History.

***Lonchæa ruficornis*, sp. n.**

Female.—Black, shining; thorax slightly, abdomen distinctly bluish. Antennæ rufous orange, third segment narrowly brownish on upper margin and apex. Wings clear, veins yellow. Legs black, tarsi yellowish testaceous, slightly infuscated on apical segment. Calyptæ white, fringes concolorous. Halteres black, stems yellowish.

Frons a little over one-third of the head-width, shining, but not glossy, the surface except the upper part of orbits with microscopic diagonal striae; ocellar triangle glossy; anterior ocellus not caudad of orbital bristles; frontal hairs strong and numerous, absent from a large subtriangular area in front of ocelli; parafacials and cheeks microscopically diagonally striate, the cheeks with dense stiff uniform black hairs; third antennal segment about three times as long as broad. Thorax with short decumbent hairs, the bristles not long; several hairs at base of stigmatal bristle; pteropleura bare. Ovipositor stout, the preapical dorsal hairs short. Legs normal. Second costal division about one-eighth as long as first; last sections of veins 3 and 4 parallel.

Length 5 mm.

Type.—Savanna, Ill., June 14, 1917, (J. R. Malloch). Type in collection Illinois Natural History Survey.