

## ***Corynoptera vagula* Tuomikoski and allied species (Diptera: Sciaridae)**

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### **Abstract**

*Corynoptera vagula* Tuomikoski (northern Europe; Canada: Quebec), *Corynoptera fera* Mohrig & Heller (central and northern Europe) and *Corynoptera nyxa* (Mohrig & Menzel) are rediagnosed, and three allied Nearctic species are described: *Corynoptera armigera* sp. n. (Canada: Yukon), *C. fratercula* sp. n. (USA: Alaska, Canada: British Columbia), and *C. robustior* sp. n. (Canada: Ontario). All species are illustrated and a key to the males is provided.

**Key words:** *Corynoptera*, Sciaridae, new species

### **Introduction**

The genus *Corynoptera* Winnertz, 1867 (type species: *Corynoptera perpusilla* Winnertz) includes about 180 described species, most of which are Palaearctic. Tuomikoski (1960) described *Corynoptera vagula* as a member of his *Corynoptera clausa* group, which also included *C. refrigerata* (Lengersdorf), *C. paludum* (Frey), and *C. simillima* Tuomikoski. Of these species, *C. clausa* and *C. refrigerata* were transferred to the genus *Claustropyga* (Hippa *et al.* 2003), *C. paludum* to the genus *Pseudolycoriella* Menzel & Mohrig, and *C. simillima* to *Scatopsiara* (*Xenopygina*) Frey (Menzel & Mohrig 2000). Mohrig *et al.* (1983) described *Corynoptera subvagula* from Kirghizstan and assumed that it was closely related to *C. vagula*. This species was subsequently placed in *Trichosia* (*Leptosciarella*) Tuomikoski by Mohrig *et al.* (1990) and was then designated as the type species of the new genus *Trichodapus* (Mohrig & Menzel 1997), which was regarded as the sister group of *Epidapus* Haliday by Menzel & Mohrig (2000). *Corynoptera fera*, an additional species similar to *C. vagula*, was described from Germany by Mohrig & Heller (1992), and