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## New synonymies in Hawaiian Diptera (Insecta)<sup>1</sup>

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The following new synonymies in Diptera occurring in the Hawaiian Islands are given below based on examination of specimens and unpublished records.

### **Anthomyiidae**

#### ***Fucellia aestuum* Aldrich**

#### **New synonymy**

*Fucellia aestuum* Aldrich, 1918: 178.

*Fucellia boninensis* Snyder, 1965: 204, **n. syn.**

A recent review of a dataset of Anthomyiidae by one of us (VM) in *Systema Dipterorum* (Evenhuis & Pape 2021) noted this synonymy, which is based on an unpublished manuscript by the late Graham Griffiths revising *Fucellia*. Snyder (1965) originally described *Fucellia boninensis* from the Bonin Islands, but it has since been found to also occur in China (Hebei), Japan, the Korean Peninsula, the Ogasawara Islands, the Ryukyus, and the Hawaiian Islands (the last where it is known from Maui and Midway) (Hardy 1981; Dely-Draskovits 1993; Suwa 1999; Nishida 2002; Han *et al.* 2014; Xue & Du 2020). Aldrich (1918) described *F. aestuum* from Washington state and it has since been found to occur also in nearby British Columbia, Canada. In describing *F. boninensis*, Snyder (1965) alluded to the close relationship between *F. boninensis* and *F. aestuum*. The study of specimens by Griffiths (*in litt.*) found the two to be conspecific, hence its synonymy is formalized here. — **Verner Michelsen and Neal L. Evenhuis**

### **Dolichopodidae**

#### ***Campsicnemus* Haliday**

Re-examination of type material in Bishop Museum and/or comparison with homotypic specimens has discovered the following synonymies listed below.

#### ***Campsicnemus albitarsis* Hardy & Kohn**

#### **New synonymy**

*Campsicnemus albitarsis* Hardy & Kohn, 1964: 42.

*Campsicnemus uniseta* Hardy & Kohn, 1964: 163, **n. syn.**

Hardy & Kohn (1964) described *Campsicnemus albitarsis* based on a male from Waikamoi, above Kula Pipeline, on Maui. *Campsicnemus uniseta* was described by them (1964: 163) based on a holotype male also from Waikamoi on Maui. Although the illustrations of the midlegs of two species in Hardy & Kohn (1964) differ slightly, direct examination of the two holotypes in Bishop Museum showed no differences in the midleg modifications, thus the new synonymy here.

#### ***Campsicnemus camptoplax* Hardy & Kohn**

#### **New synonymy**

*Campsicnemus camptoplax* Hardy & Kohn, 1964: 53.

*Campsicnemus makawao* Evenhuis, 2007: 18, **n. syn.**

Hardy & Kohn (1964) described *Campsicnemus camptoplax* based on a holotype male from Waikamoi, Maui. Evenhuis (2011) described *C. makawao* based on a holotype male

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from the Makawao Forest Reserve on Maui (which is near Waikamoi). A direct examination of the holotypes of both species in Bishop Museum showed no differences between the two, thus the new synonymy here.

***Campsicnemus labilis* Hardy & Kohn**

**New synonymy**

*Campsicnemus labilis* Hardy & Kohn, 1964: 109.

*Campsicnemus bennetti* Evenhuis, 2011: 15, **n. syn.**

Hardy & Kohn (1964) described *Campsicnemus labilis* based on a holotype male from Kula Pipeline above Waikamoi. Evenhuis (2011) described *C. bennetti* based on a holotype male from the Makawao Forest Reserve on East Maui, near Waikamoi. Direct comparison of the two holotypes in Bishop Museum showed no differences, thus the new synonymy here.

***Campsicnemus ornatus* Van Duzee**

**New synonymies**

*Campsicnemus ornatus* Van Duzee, 1933: 323.

*Campsicnemus furax* Parent, 1940: 228, **n. syn.**

*Campsicnemus scintillatus* Evenhuis, 2012: 14, **n. syn.**

Van Duzee (1933) described *Campsicnemus ornatus* based on a holotype male from an unknown island in the Hawaiian Islands. He stated (Van Duzee 1933: 324) that the original labels with several specimens had become detached and disassociated from them. Hardy & Kohn (1964: 131) restricted the type locality to “Oahu” stating that this was a “common species on foliage, usually in the sun in the Mt. Tantalus region, Koolau Range, Oahu”. Parent (1940) described *C. furax* based on a holotype male from Mt. Ka‘ala in the Wai‘anae Range on O‘ahu. Evenhuis (2012) described *C. scintillatus* based on a holotype male from Poamoho Trail in the Ko‘olau mountains on O‘ahu. Re-examination of type material in Bishop Museum of *C. ornatus* and *C. scintillans* with the description and illustrations of *C. furax* showed all three to be conspecific, thus the new synonymies here. *Campsicnemus ornatus* has been commonly collected by me at a seep in a road cut on the way up to Mt. Ka‘ala and is easily characterized by the metallic green thorax that reflects in the sunshine. It was initially thought that the Ka‘ala and Ko‘olau populations represented different species, thus *C. scintillans* was described as new. Direct comparison of a number of specimens showed that *C. ornatus* Van Duzee is much more widespread than previously believed.

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Dan Bickel kindly reviewed and suggested improvements to the manuscript.

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