

## CURRENT RESEARCH

### SYNONYMY OF *CHIRONOMUS PLUMATISSETIGERUS* TOKUNAGA, 1964, WITH *CHIRONOMUS CIRCUMDATUS* KIEFFER, 1916

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Recently, Pramual *et al.* (2008) noted the synonymy of *Chironomus plumatisetigerus* with *Chironomus circumdatus*, based on the information of the web page of Martin (2007). That web page is not a recognised publication and, further, the synonymy is not indicated in either the title or abstract of the paper. This note is therefore intended to provide a more formal notification and basis for the synonymy.

*C. circumdatus* was described by Kieffer (1916) from Formosa (Taiwan), and the type is presumably lost. However, the species has been redescribed by a number of people, of whom the most relevant here is that of Chaudhuri *et al.* (1992), since material used for cytological studies in India (Kumar and Gupta 1990; Tripathi *et al.* 2004) is based on this description.

*C. plumatisetigerus* was described by Tokunaga (1945) from several islands of Micronesia. Material identified as this species was found in Australia (Bugledich *et al.* 1999), and this material was the basis for publications on the cytology of this species in Thailand (Kuvangkadilok 1985) and India (Saxena 1995).

Comparison of the published chromosome maps from the studies under these two names clearly showed that the banding patterns and most of the inversion polymorphisms were identical, indicating that all studies were of the same species. This cytologically defined species becomes *C. circumdatus*, since that name has priority, and so *C. plumatisetigerus* must be considered as a junior synonym.

#### References

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