
*Physoneura paulseni* sp. n. is described and figured as male imago based on specimens collected in the Chimborazo Province in Ecuador. The genus *Physoneura* Ferrington et Sæther, 1995, originally described based on two species from Chile and Argentina, now includes three species from South America. A key to the male imagines is given.

Key words: Chironomidae, Orthocladiinae, *Physoneura*, new species, Ecuador

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