

NOTA CIENTÍFICA

Two new butterfly records for Peru: *Orophila cardases cardases* and *Pedaliodes garlaczi* (Lepidoptera: Nymphalidae)

Dos nuevos registros de mariposas para Perú: *Orophila cardases cardases* y *Pedaliodes garlaczi* (Lepidoptera: Nymphalidae)

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Abstract

We report to Peru, for the first time, two butterfly species, *Orophila cardases cardases* (Hewitson, 1869) and *Pedaliodes garlaczi* Pyrcz & Cerdeña, 2013, based on specimens collected in the Tabaconas-Namballe National Sanctuary and neighboring areas.

Keywords: New records; *Orophila*; *Pedaliodes*; Nymphalidae; Peru.

Resumen

Se registra por primera vez la presencia en Perú de las especies *Orophila cardases cardases* (Hewitson, 1869) y *Pedaliodes garlaczi* Pyrcz & Cerdeña, 2013, con base en especímenes recolectados en el Santuario Nacional Tabaconas-Namballe y áreas adyacentes.

Palabras Clave: Nuevos registros; *Orophila*; *Pedaliodes*; Nymphalidae; Perú.

The Tabaconas-Namballe National Sanctuary (TNNS), located in San Ignacio Province, Cajamarca, northern Peru, was established in 1988 to conserve and protect páramo-like open vegetation formations and cloud forest relicts, as well as their associated fauna and flora. The TNNS cloud forest is characterized by its high diversity, many of the species being endemic and exhibiting remarkable turnover along an elevational gradient (Mena & Valdivia 2010).

In a rapid evaluation of butterfly diversity in the TNNS, conducted in October 2009 by one of us (EH), adult specimens of *Orophila cardases cardases* (Hewitson 1869) and *Pedaliodes garlaczi* Pyrcz & Cerdeña, 2013 were collected, both species having been previously recorded only from southeastern Ecuador.

Orophila Staudinger, 1886 is an Andean genus containing two species (*O. cardases* and *O. diotima* Hewitson, 1852), distributed from northwestern Venezuela to Bolivia and intimately associated to montane forests (Lamas 2003). Until now, only *O. diotima* was known to occur in Peru (Lamas 2003, 2004). *Orophila cardases* is distributed from northwestern Venezuela to southern Ecuador (Neild 1996), contains five subspecies (two still unnamed – Lamas 2004), and the nominate subspecies *O. cardases cardases* had only been found in southern Ecuador. One adult male of *O. cardases cardases* (Fig. 1) was collected in the TNNS, at the Miraflores sector (05°09'05"S, 79°11'40"W), 2257 m. This specimen has been deposited in the Museo de Historia Natural, Universidad Nacional Mayor de San Marcos (MUSM), Lima, Peru. In addition, another male of this subspecies was found and examined in the MUSM, bearing the following collection data: "PERU, PI [Piura], Ayabaca, Ramos, 0442/7928 [04°42'S / 79°28'W],

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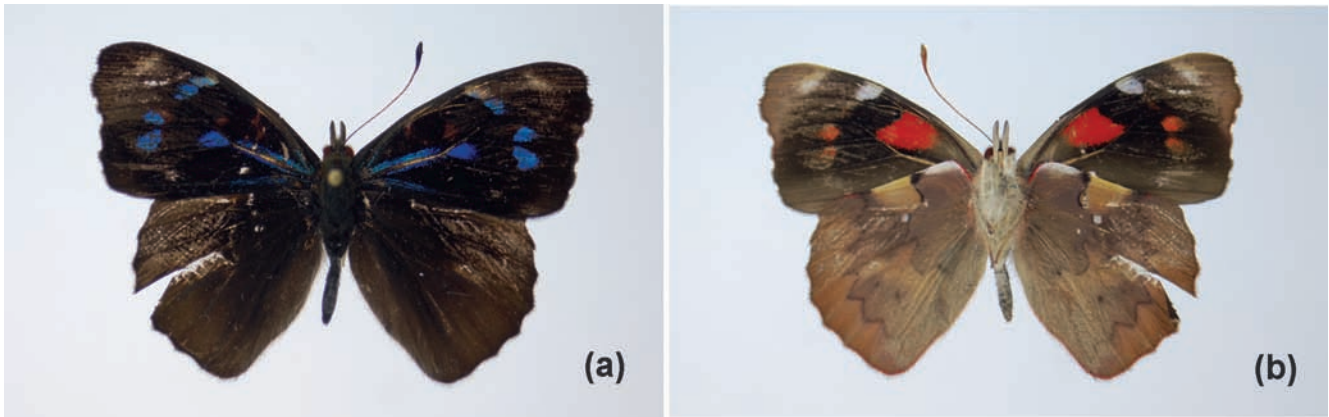


Figure 1. *Orophila cardeses cardeses* (Hewitson, 1869). Male, National Sanctuary Tabaconas-Namballe, Miraflores sector, October 2009. a. dorsal view; b. ventral view.



Figure 2. *Pedaliodes garlaczi* Pycrz & Cerdeña 2013. Male, National Sanctuary Tabaconas-Namballe, Lagunas Arrebatadas, October 2009. a. dorsal view; b. ventral view.

03.ix.2007, leg. W. Zelada". This locality is situated some 50 km NW of the TNNS.

Pedaliodes garlaczi was described very recently, based on two adult specimens collected in the Podocarpus National Park southern Ecuador (Pycrz et al. 2013). We confirm its presence in Peru based on a male (Fig. 2) collected in the TNNS sector of Lagunas Arrebatadas (05°14'05"S, 79°17'05"W), 3072 m, also the mentioned species was obtained in a transitional area between open, páramo-like vegetation and cloud forest.

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