

Nota Científica
(Short Communication)

**NEW RECORDS OF CASTNIIDAE (LEPIDOPTERA) FROM
QUERETARO AND TAMAULIPAS, MEXICO**

Niño Maldonado, S., De León González, E. I., Miller, J. Y. & Sánchez Reyes, U. J. 2013. Nuevos registros de Castniidae (Lepidoptera) para los estados de Querétaro y Tamaulipas, México. *Acta Zoológica Mexicana (n. s.)*, 29(2): 452-453.

RESUMEN. Se colectaron nueve ejemplares pertenecientes a dos especies de la familia Castniidae: *Athis delecta* (Shaus, 1911) (un ejemplar) fue registrada en vegetación de Matorral y *Athis inca orizabensis* (Strand, 1913) (ocho ejemplares) en Selva baja subcaducifolia con elementos de Encino y Bosque mesófilo. *Athis delecta* representa un nuevo registro para Tamaulipas, mientras que la segunda especie se reafirma para Tamaulipas, pero es nuevo registro para Querétaro.

The taxonomic knowledge of this family is limited mainly because they are very rare in natural ecosystems, their endemism, small geographical distribution, scarcity of specimens in scientific collections (Miller 1972, González & Fernández-Yépez 1993, Lamas 1993), and also there are limited studies on the group. Castniid moths are medium to large in size, from 20 to 110 mm; they are related to Cossidae and Hesperidae, the distal portion of the antenna is similar to that of the Hesperidae with a club and apiculus and the presence of three cubital veins on the wings. Few species are dimorphic in coloration although both sexes are similar in appearance (Miller 2000). At present almost 90 species belonging to 33 genera are recognized, even though some authors mention up to 106 different species (Lamas 1995, Miller 2000, González *et al.* 2008, González *et al.* 2010, Vinciguerra *et al.* 2011). The subfamily Castniinae is distributed throughout the Neotropical region and species have been recorded from Mexico and throughout Central and South America, including a few Caribbean Islands/Countries and down to Argentina and Chile.

One specimen of *Athis delecta* (Shaus, 1911) was recorded in the Peregrina Canyon, municipality of Victoria, Tamaulipas (Mexico), in a scrub vegetation; *Athis inca orizabensis* (Strand, 1913) was recorded in a scrub and low tropical subcaducifolious forest vegetation from the same Canyon (four copies), plus two specimens that were collected from low tropical subcaducifolious forest with transition between oak forest

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and cloud forest vegetation of Gómez Farías, Tamaulipas, within the Biosphere Reserve El Cielo. The specimens were collected between 12:00 and 14:00 hrs; the first species was collected on June 6, 2010; the first four specimens of the second species were captured in June 7, 2009 and June 6, 2010; and the last two specimens, also from El Cielo Reserve were captured on July 11, 2011.

Two more specimens of *Athis inca orizabensis* (Strand, 1913) were collected from Queretaro on July, 2012; one was obtained at the locality of Neblinas, municipality of Landa de Matamoros, within a low tropical subcaducifolious forest, between 12:00 and 13:00 hrs; the other was collected in El Pilón, municipality of Jalpan de Serra, in oak-low tropical subcaducifolious forest vegetation, between 13:00 and 14:00 hrs.

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