NOTA CIENTÍFICA

NEW RECORDS OF SPIDER BEETLES (COLEOPTERA: PTINIDAE: PTININAE) FROM WESTERN PERU

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NEW RECORDS OF SPIDER BEETLES (COLEOPTERA: PTINIDAE: PTININAE) FROM WESTERN PERU

Nuevos registros de ptininos (Coleoptera: Ptinidae: Ptininae) del Oeste de Perú

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Spider beetles (Ptinidae: Ptininae) feed mainly on dry organic materials, and are commonly found in nests of birds, mammals and social insects (Philips, 2002). Peruvian fauna of spider beetles comprises seven genera and thirteen species, of which two genera and six species are endemic (Borowski, 2006; Arango and Chaboo, 2016; Philips *et al*., 2020; Whorrall and Philips, 2020). In the present work, new records for four spider beetle species inhabiting Pacific coastal desert of western Peru are provided.

For determination, keys to genera and species (Philips, 2002; Borowski, 2006) and original descriptions (Philips *et al*., 2020; Whorrall and Philips, 2020) were employed. All specimens studied are housed at Museo de Entomología Klaus Raven Büller, Universidad Nacional Agraria La Molina, Lima, Perú (MEKRB). Specimens were photographed using a digital camera Canon EOS with macro lens and stacked final images were obtained with CombineZM (Hadley, 2006). Distribution maps were elaborated with SimpleMappr (Shorthouse, 2010).

PTINIDAE Latreille, 1802

Cordielytrum Philips, 2020

Type species: *Cordielytrum peruvianum* Whorrall & Philips, 2020.

Cordielytrum peruvianum Whorrall & Philips, 2020

(Figs. 1, 5)

Distribution: PERU. Ica, coastal dunes, TYPE LOCALITY.

New record: PERU. Ica, Ica, Pozo Santo dunes, 13° 53' 27" S 76° 06' 02" W, XI-2013, G. González, 36.

Comments: Previously known only from type locality. Specimens were collected with pitfall traps placed in litter layer and supports association with sand dunes.

Cordielytrum pulchrum Whorrall & Philips, 2020

(Figs. 2, 5)

Distribution: PERU. Trujillo, Huaca de la Luna, TYPE LOCALITY.

New records: PERU. Piura, Sechura, Pampa de Yapato, 05° 56' 28.67" S 80° 42' 30.30" W, V-2008, A. Giraldo, 2, Virrilá, 05° 49' 36.17" S 80° 52' 06.03" W, 07-VII-2006, M. Deza, 20.

Comments: Previously known only from type locality. Records presented here extend its distribution from 5° - 8° S. Specimens were collected with pitfall traps placed in litter layer.

Trigonogenius Solier, 1849

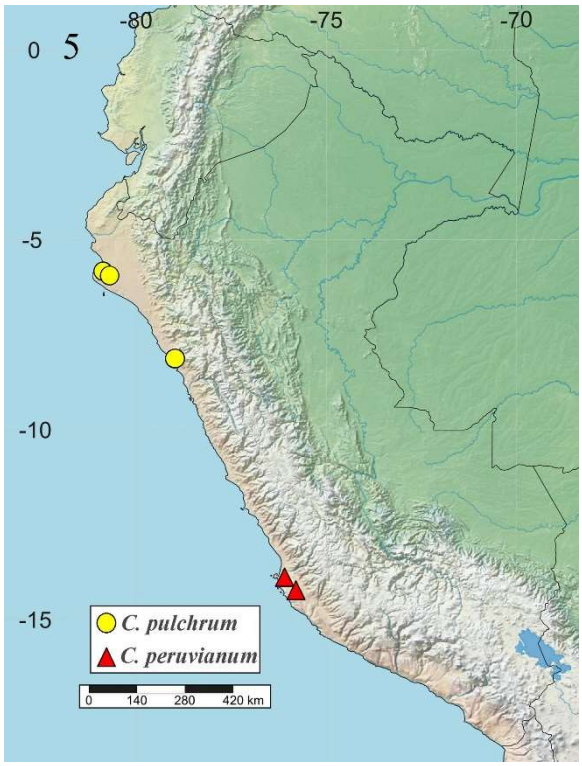
Type species: *Ptinus* (*Trigonogenius*) *globulus* Solier, 1849.

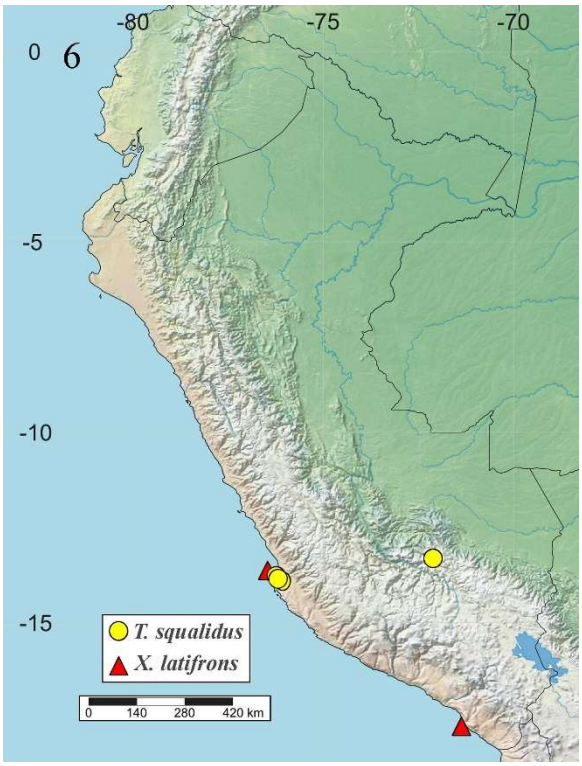
Trigonogenius squalidus Boeildieu, 1856

(Figs. 3, 6)

Distribution: Chile (Copiapó, Coquimbo, Santiago),

Figures 1-4. Images of spider beetle species treated in present work: 1) *C. peruvianum*, 2) *C. pulchrum*, 3) *T. squalidus*, 4) *X. latifrons*. Scale bars = 1 mm.





Figures 5-6. Known records in Peru for spider beetles species treated in present work: 5) *Cordielytrum* species, 6) *Trigonogenius* and *Xenocotylus* species.

Perú (Urubamba), Ecuador (Pichincha), Colombia (?), probably occurs in Andes from Venezuela to Chile (Carvajal, 2005; Borowski, 2006).

New records: PERU. Ica, Ica, Pozo Santo, 13°53'27"S 76°06'02"W, XI-2013, G. González, 85; Pisco, Paracas, Bosquecito Santa Cruz, 13°50'41.22"S 76°11'45.32"W, IX-2011, A. Giraldo, 189, III-2012, A. Giraldo, 22, III-2013, A. Giraldo, 136, Pluspetrol PFLGN, 13°45'59"S 76°13'43"W, IX-2012, A. Giraldo, 13, IX-2013, A. Giraldo, 26, IX-2014, A. Giraldo, 22.

Comments: Reported specimens were collected with pitfall traps placed in the litter layer of vegetation patches with sandy soils under varying degrees of anthropogenic disturbance.

Xenocotylus Whorrall & Philips, 2020

Type species: *Xenocotylus latifrons* Whorrall & Philips, 2020.

***Xenocotylus latifrons* Whorrall & Philips, 2020**
(Figs. 4, 6)

Distribution: PERU. South Chincha Island, PARATYPE.

New records: PERU. Moquegua, Ilo, Punta Coles, 17°42′05″S 71°22′21″O, 08-XI-2016, A. Giraldo, 10.

Comments: Most type specimens were recovered from a guano shipment from Peru to Texas (USA). Reported specimens were found under stones, in an abandoned nesting area of seabirds. This species should be found in avian guano deposits from other islands and points of the Peruvian coast

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