

# Corrigendum to “Nomenclature and taxonomic status of the lizards listed by Philippi (1860) (Squamata: Liolaemidae, Teiidae and Tropiduridae)” to comply with the International Code of Zoological Nomenclature (ICZN)

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## ABSTRACT

Troncoso-Palacios and Marambio-Alfaro (2021) published in Cuadernos de Herpetología, Supl. 1, 2021, the proposal of several nomenclatural act, including the establishment of a secondary homonym, and the designation of lectotypes and paralectotypes for several lizard species. However, the LSID (Life Science Identifier) registration in Zoobank was not provided. In order to fulfill the Art. 8.5.3 of the International Code of Zoological Nomenclature, here we provide a corrigendum to validate and make these nomenclatural acts available.

Key Words: Homonym; Lectotype; Paralectotype; *Proctotretus*; *Liolaemus*.

## RESUMEN

Troncoso-Palacios y Marambio-Alfaro (2021), publicaron en *Cuadernos de Herpetología*, Supl. 1, 2021, la propuesta de varios actos nomenclaturales, incluyendo el establecimiento de un homónimo secundario y la designación de lectotipos y paralectotipos de diversas especies de lagartos. Sin embargo, no se proporcionó el registro LSID (Life Science Identifier) en ZooBank. Con el fin de cumplir con el Artículo 8.5.3 del Código Internacional de Nomenclatura Zoológica, aquí presentamos una corrigenda para validar y poner a disposición dichos actos nomenclaturales.

Palabras claves: Homónimo; Lectotipo; Paralectotipo; *Proctotretus*; *Liolaemus*.

## Nomenclatural acts

Troncoso-Palacios and Marambio-Alfaro (2021) carried out the following nomenclatural acts, which are here made validated through Zoobank registration. Zoobank LSID: urn:lsid:zoobank.org:pub:2B550AB5-A1EA-47D7-88E6-260511107C35.

a) *Proctotretus marmoratus* Philippi, 1860, is declared a secondary homonym. Its type locality is unknown. Philippi's *P. marmoratus* was regarded as a questionable junior synonym of *Liolaemus nitidus*

(Wiegmann, 1834) by Boulenger (1885). Therefore, the combination *Liolaemus marmoratus* (Philippi, 1860) (Troncoso-Palacios and Marambio-Alfaro, 2021) becomes a secondary homonym of *Liolaemus marmoratus* (Gravenhorst, 1838) according to ICZN (1999, Art. 53.3). Since the taxonomic identity of Philippi's species remains uncertain, the proposal of a replacement name is discouraged.

b) *Proctotretus modestus* Philippi, 1860— lectotype and paralectotype designation. In the origi-

nal description (Philippi 1860) no type specimens were listed. The type locality was stated as Atacama Desert and the mountains of the Santiago Province, but restricted by Troncoso-Palacios and Marambio-Alfaro (2021) to mountains of the Santiago Province. Müller and Hellmich (1933) reported three specimens housed in the Zoologisches Museum Berlin (currently Museum für Naturkunde Berlin), referring to the largest one as the “type”. Troncoso-Palacios and Marambio-Alfaro (2021) designated the largest specimen (ZMB 5350) as the lectotype, and the specimens ZMB 70546–47 as paralectotypes. In the Regarding taxonomy, Troncoso-Palacios and Marambio-Alfaro (2021) agree with Müller and Hellmich (1933) that this species is a junior synonym of *L. bellii* Gray, 1945.

c) *Proctotretus melanopleurus* Philippi, 1860—lectotype and paralectotype designation. In the original description (Philippi 1860) no type specimen was designated. Type locality is unknown. Quijada (1916) assumed that the type locality is Atacama, Chile, and reported three syntypes housed in the Museo de Historia Natural de Chile (MNHNCL). Ortiz and Núñez (1986) indicated that two syntypes are placed in MNHNCL (1549 and 1550), and the third in the Field Museum of Natural History, Chicago (FMNH 9969). Pincheira-Donoso and Núñez (2005, p. 455) provide different catalog number for the syntypes (MNHNCL 1646, two specimens). According to Troncoso-Palacios and Marambio-Alfaro (2021), when JTP examined the syntypes (May 2011 and November 2016), both still shared the catalog number MNHNCL 1646, without distinction between specimens. However, they are easily distinguishable, since one is much larger (snout-vent length= 70.6 mm) than the other (SVL= 46.7 mm). Troncoso-Palacios and Marambio-Alfaro (2021) designed the largest specimen (MNHNCL 1646) as the lectotype, and the smaller specimen (MNHNCL 1646) together with FMNH 9969 as paralectotypes. Morphologic features are detailed in Troncoso-Palacios and Marambio-Alfaro (2021). Regarding the taxonomy, although undoubtedly *P. melanopleurus* belongs to *Liolaemus (sensu stricto)*, the exact type locality remains unknown, and its morphology does not allow assignment to any know population of *Liolaemus*. It is possible that these specimens represent aberrant individuals or an extinct species, or that their conservation status will make it impossible assigned them to a particular species.

d) *Proctotretus pallidus* Philippi, 1860—lectotype and paralectotype designation. In the original description (Philippi 1860) no type specimens were listed; the type locality is Paposo, Atacama Region, Chile. Tiedemann and Häupl (1980) listed two syntypes of *P. pallidus* housed in the Naturhistorisches Museum Wien, Austria (NMW 18914: 1, 2). Troncoso-Palacios and Marambio-Alfaro (2021) reported on the morphology and diagnostic characters of both specimens, concluding that their belongs to different species. One specimen (NMW 18914: 2) was designated as the lectotype of *P. pallidus*. The other (NMW 18914: 1) was designated as a paralectotype; however, it cannot serve as a name-bearing type of *P. pallidus* following ICZN (Art. 73.2.2), because it belongs to unidentified species of the *Liolaemus platei* group. Regarding taxonomy, Troncoso-Palacios and Marambio-Alfaro (2021) considered *P. pallidus* a junior synonym of *L. nigromaculatus*.

#### Taxonomic or data changes

Troncoso-Palacios and Marambio-Alfaro (2021) also proposed or commented the following taxonomic and data changes. Although these changes do not require a LSID registration in Zoobank, they are summarized here to facilitate understanding of the current valid names.

a) *Proctotretus bisignatus* Philippi, 1860, is a junior synonym of *P. nigromaculatus* Wiegmann, 1834. Troncoso-Palacios and Marambio-Alfaro (2021) did not performed any new nomenclatural act or taxonomic change regarding this species, but commented on this synonymy, which was already established and published earlier by Troncoso-Palacios and Garín (2013). The currently valid combination is *Liolaemus nigromaculatus*.

b) *Microlophus* species clarification. Philippi (1860) reported *Microlophus lessoni* Duméril and Bibron, 1837, for Chile. However, Troncoso-Palacios and Marambio-Alfaro (2021) concluded that these specimens actually belong to *M. marianus* (Donoso-Barros, 1966). Regarding taxonomy, I emphasize that the valid name for the *Microlophus* species inhabiting most of the coastal area of the Atacama Desert is *M. marianus*, as already corrected by Núñez and Jaksic (1992) and Troncoso-Palacios (2018), since it is the first available name with a valid description of this taxon. This follows the Principle of Priority (ICZN, 1999, Art. 23.1). Nevertheless, several publications

(e.g. Mella-Ávila, 2020) have used *M. atacamensis* (Donoso-Barros, 1966) as a valid name, which is in fact the second available name for this taxon, following Ortiz (1980) who argued that the epithet “*atacamensis*” better reflect the distribution of the species. This, however, openly contradict the Code.

c) *Helocephalus nigriceps* Philippi, 1860. The currently valid name of this species is *Liolaemus nigriceps*. Troncoso-Palacios and Marambio-Alfaro (2021) corrected the collection date of type specimens to 1855, instead of 1860, which is the year of Philippi’s publication.

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### Literature cited

- Boulenger, G.A. 1885. Catalogue of the lizards in the British Museum (Natural History). Volume 2. Iguanidae, Xenosauridae, Zonuridae, Anguidae, Anellidae, Helodermatidae, Varanidae, Xantusiidae, Teiidae. Printed by Order of the Trustees, London.
- ICZN, 1999. International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature, London. Available in: <http://www.nhm.ac.uk/hosted-sites/iczn/code>.
- Mella-Ávila, J. 2020. Preferencia de microhabitat por *Microlophus quadrivittatus* (Reptilia: Squamata: Tropiduridae) en la costa de Iquique: Diferencias sexuales, ontogenéticas, estacionales y ambientales. *Boletín del Museo Nacional de Historia Natural de Chile* 71: 23-39.
- Müller, L. & Hellmich, W. 1933. Beiträge zur Kenntnis der

- Herpetofauna Chiles. VI. Ueber einige *Liolaemus* Arten des Berliner Naturkundlichen Museums. *Zoologischer Anzeiger*. *Zoologischer Anzeiger* 101: 121-134.
- Núñez, H. & Jaksic, F. 1992. Lista comentada de los reptiles terrestres de Chile continental. *Boletín del Museo Nacional de Historia Natural de Chile* 43: 63-91.
- Ortiz, J.C. 1980. Revisión taxonómica del género *Tropidurus* en Chile. *Reunión Iberoamericana de Zoología de Vertebrados* 1: 355-377.
- Ortiz, J.C. & Núñez, H. 1986. Catálogo crítico de los tipos de reptiles conservados en el museo Nacional de Historia Natural Santiago, Chile. *Publicación Ocasional del Museo Nacional de Historia Natural de Chile* 43: 1-23.
- Philippi, R.A. 1860. Reise durch die Wueste Atacama auf Befehl der chilenischen Regierung im Sommer 1853-54. Unternommen und beschrieben von Rudolph Amandus Philippi. Eduard Anton, Halle.
- Pincheira-Donoso, D. & Núñez, H. 2005. Las especies chilenas del género *Liolaemus* (Iguanidae Tropiduridae, Liolaeminae). Taxonomía, sistemática y evolución. *Publicación Ocasional del Museo Nacional de Historia Natural de Chile* 59: 7-486.
- Quijada, B. 1916. Catálogo sistemático de los reptiles chilenos i extranjeros conservados en el Museo Nacional de Historia Natural. *Boletín del Museo Nacional de Historia Natural de Chile* 9: 22-7.
- Tiedemann, F. & Häupl, M. 1980. Typenkatalog der herpetologischen Sammlung Teil II: Reptilia. *Kataloge der wissenschaftlichen Sammlung des Naturhistorischen Museums in Wien*. 4 (Vertebrata 2): 5-70.
- Troncoso-Palacios, J. 2018. Propuesta de restricción de la localidad tipo de *Microlophus tarapacensis* (Donoso-Barros, 1966) (Squamata: Tropiduridae) en base a evidencias históricas. *Cuadernos de Herpetología* 32: 123-127.
- Troncoso-Palacios, J. & Garín, C.F. 2013. On the identity of *Liolaemus nigromaculatus* Wiegmann, 1834 (Iguania, Liolaemidae) and correction of its type locality. *ZooKeys* 294: 37-56.
- Troncoso-Palacios, J. & Marambio-Alfaro, Y. 2021. Nomenclature and taxonomic status of the lizards listed by Philippi (1860) (Squamata: Liolaemidae, Teiidae and Tropiduridae). *Cuadernos de Herpetología* 35(Supl. 1): 175-191.