

NEW NAMES FOR THE PREOCCUPIED SPECIFIC AND SUBSPECIFIC EPITHETS IN THE GENUS *PHEIDOLE* WESTWOOD, 1839 (HYMENOPTERA: FORMICIDAE)

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ABSTRACT. According to the International Code of Zoological Nomenclature (ICZN, 1999), *Pheidole longipes* (Smith, 1857); *Pheidole longiscapa* Zhou & Zheng, 1999; *Pheidole pallidula inermis* Stitz, 1917 and *Pheidole pallidula tristis* Forel, 1907 are not correct because the specific or subspecific epithets are illegitimate. The author request the replacement names of the specific and subspecific epithets *longipes* Smith, 1857; *longiscapa* Zhou & Zheng, 1999; *inermis* Stitz, 1917 and *tristis* Forel, 1907 and he suggest *singaporensis* nom. nov., *neolongiscapa* nom. nov., *selenia* nom. nov. and *tasdelenia* nom. nov. respectively. Accordingly, new combinations are herein proposed for the species and subspecies: *Pheidole singaporensis* nom. nov. pro *Pheidole longipes* (Smith, 1857) syn. n., *Pheidole neolongiscapa* nom. nov. pro *Pheidole longiscapa* Zhou & Zheng, 1999 syn. n., *Pheidole pallidula selenia* nom. nov. pro *Pheidole pallidula inermis* Stitz, 1917 syn. n. and *Pheidole pallidula tasdelenia* nom. nov. pro *Pheidole pallidula tristis* Forel, 1907 syn. n..

KEY WORDS. Nomenclatural change, homonymy, replacement name, Hymenoptera, Formicidae, *Pheidole*.

Family FORMICIDAE

Genus *PHEIDOLE* WESTWOOD, 1839

Sp. *PHEIDOLE SINGAPORENSIS* nom. nov.

Pheidole longipes (Smith, 1857). J. Proc. Linn. Soc. London, Zool., 2: 70. Preoccupied by *Pheidole longipes* (Latreille, 1802). Hist. nat. fourm. rec. mem. Paris. p. 233. (Hymenoptera: Vespoidea: Formicidae).

The specific epithet *longipes* was initially introduced by Latreille (1802) with the original combination *Formica longipes* Latreille, 1802 from Cayenne, French Guiana. It is still used as a valid species name. Subsequently, Smith (1857) described a new species *Pheidole longipes* from Singapore, Borneo with the same specific epithet as *Myrmica longipes* Smith, 1857 by original combination. *Pheidole longipes* (Latreille, 1802) has priority over *Pheidole longipes* (Smith, 1857). The name *Pheidole longipes* (Smith, 1857) is a secondary junior homonym of the name *Pheidole longipes* (Latreille, 1802). According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the specific epithet *longipes* Smith, 1857 the replacement name *singaporensis* nom. nov..

Etymology: The name is dedicated to the type locality of the preexisting species.

Summary of nomenclatural changes:

Species *Pheidole singaporensis* nom. nov.

pro *Pheidole longipes* (Smith, 1857) **syn. n.** [nec *Pheidole longipes* (Latreille, 1802)]
[orig. comb.: *Myrmica longipes* Smith, 1857 from Singapore, Borneo]

Sp. PHEIDOLE NEOLONGISCAPA nom. nov.

Pheidole longiscapa Zhou & Zheng, 1999. Acta Zootax. Sin., 24 (1): 85. Preoccupied by *Pheidole longiscapa* Forel, 1901. Ann. Soc. Ent. Belg., 45: 358. (Hymenoptera: Vespoidea: Formicidae).

The specific epithet *longiscapa* was initially introduced by Forel (1901) with the original combination *Pheidole longiscapa* Forel, 1901 from Venezuela. It is still used as a valid species name. Subsequently, Smith (1857) described a new species from Guangxi, China with the same specific epithet as *Pheidole longiscapa* Zhou & Zheng, 1999 by original combination. *Pheidole longipes* (Latreille, 1802) has priority over *Pheidole longiscapa* Zhou & Zheng, 1999. The name *Pheidole longiscapa* Zhou & Zheng, 1999 is a primary junior homonym of the name *Pheidole longipes* (Latreille, 1802). According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the specific epithet *longiscapa* Zhou & Zheng, 1999 the replacement name *neolongiscapa* nom. nov..

Etimology: The name derived from the current specific epithet.

Summary of nomenclatural changes:

Species *Pheidole neolongiscapa* nom. nov.

pro *Pheidole longiscapa* Zhou & Zheng, 1999 **syn. n.** [nec *Pheidole longiscapa* Forel, 1901]
[orig. comb.: *Pheidole longiscapa* Zhou & Zheng, 1999 from Guangxi, China]

Sp. PHEIDOLE PALLIDULA (Nylander, 1849)**Ssp. PHEIDOLE PALLIDULA SELENIA nom. nov.**

Pheidole pallidula inermis Stitz, 1917. Mitt. Zool. Mus. Berl., 8: 340. Preoccupied by *Pheidole inermis* Mayr, 1870. Verh. Zool.-Bot. Ges. Wien, 20: 979, 982, 984. (Hymenoptera: Vespoidea: Formicidae).

The specific epithet *inermis* was initially introduced by Mayr (1870) with the original combination *Pheidole inermis* Mayr, 1870 from Mexico. It is still used as a valid species name. Subsequently, Stitz (1917) described a new variety of the species *Pheidole pallidula* from E Messina, Italy with the same subspecific epithet as *Pheidole pallidula* var. *inermis* Stitz, 1917 by original combination from Algeria. *Pheidole inermis* Mayr, 1870 has priority over *Camponotus Pheidole pallidula inermis* Stitz, 1917. The name *Pheidole pallidula inermis* Stitz, 1917 is a primary junior homonym of the name *Pheidole inermis* Mayr, 1870. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *inermis* Stitz, 1917 the replacement name *selenia* nom. nov..

Etimology: The name is dedicated to Selen Çatak (Turkey).

Summary of nomenclatural changes:

Species *Pheidole pallidula* (Nylander, 1849)

[orig. comb.: *Myrmica pallidula* Nylander, 1849 from E Messina, Italy]

Subspecies *Pheidole pallidula selenia* nom. nov.

pro *Pheidole pallidula inermis* Stitz, 1917 **syn. n.** [nec *Pheidole inermis* Mayr, 1870]

[orig. comb.: *Pheidole pallidula* var. *inermis* Stitz, 1917 from Algeria]

Sp. PHEIDOLE PALLIDULA (Nylander, 1849)**Ssp. PHEIDOLE PALLIDULA TASDELENIA nom. nov.**

Pheidole pallidula tristis Forel, 1907. Ann. Soc. Ent. Belg., 51: 204. Preoccupied by *Pheidole tristis* (Smith, 1858). Catalogue of the hymenopterous insects in the collection of the British Museum. Part VI. Formicidae. London. p. 132. (Hymenoptera: Vespoidea: Formicidae).

The specific epithet *tristis* was initially introduced by Smith (1858) with the original combination *Myrmica tristis* Smith, 1858 from Rio de Janeiro. It is still used as a valid species name. Subsequently, Forel (1907) described a new variety of the species *Pheidole pallidula* from E Messina, Italy with the same subspecific

epithet as *Pheidole pallidula* var. *tristis* Forel, 1907 by original combination from Tunisia. *Pheidole tristis* (Smith, 1858) has priority over *Pheidole pallidula tristis* Forel, 1907. The name *Pheidole pallidula tristis* Forel, 1907 is a primary junior homonym of the name *Pheidole tristis* (Smith, 1858). According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *tristis* Forel, 1907 the replacement name *tasdelenia* nom. nov..

Etimology: The name is dedicated to Semiha Taşdelen (Turkey).

Summary of nomenclatural changes:

Species *Pheidole pallidula* (Nylander, 1849)

[orig. comb.: *Myrmica pallidula* Nylander, 1849 from E Messina, Italy]

Subspecies *Pheidole pallidula tasdelenia* nom. nov.

pro *Pheidole pallidula tristis* Forel, 1907 **syn. n.** [nec *Pheidole tristis* (Smith, 1858)]

[orig. comb.: *Pheidole pallidula* var. *tristis* Forel, 1907 from Tunisia]

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