

Kew

PLANTS PEOPLE
POSSIBILITIES



Springer

Twelve New Names in *Geranium* L. (Geraniaceae)

Author(s): Carlos Aedo and Félix Muñoz Garmendia

Source: *Kew Bulletin*, Vol. 52, No. 3 (1997), pp. 725-727

Published by: Springer on behalf of Royal Botanic Gardens, Kew

Stable URL: <http://www.jstor.org/stable/4110304>

Accessed: 25-04-2016 22:25 UTC

REFERENCES

Linked references are available on JSTOR for this article:

http://www.jstor.org/stable/4110304?seq=1&cid=pdf-reference#references_tab_contents

You may need to log in to JSTOR to access the linked references.

Your use of the JSTOR archive indicates your acceptance of the Terms & Conditions of Use, available at

<http://about.jstor.org/terms>

JSTOR is a not-for-profit service that helps scholars, researchers, and students discover, use, and build upon a wide range of content in a trusted digital archive. We use information technology and tools to increase productivity and facilitate new forms of scholarship. For more information about JSTOR, please contact support@jstor.org.



Royal Botanic Gardens, Kew, Springer are collaborating with JSTOR to digitize, preserve and extend access to *Kew Bulletin*

Twelve new names in *Geranium* L. (*Geraniaceae*)

CARLOS AEDO¹ & FÉLIX MUÑOZ GARMENDIA²

Preparation of a checklist of *Geranium* has shown that some specific names are illegitimate. We therefore propose the following changes according to Art. 52.1 and 53.1 of the International Code of Botanical Nomenclature (Greuter *et al.* 1994). Geographical information follows Hollis & Brummitt (1992).

Geranium chilense Aedo & Muñoz Garm., **nom. nov.**, ≡ *G. caespitosum* Phil. in *Anales Univ. Chile* 82: 730 (1893), **nom. illeg.**, non E. James, *Account Exped. Pittsburgh* ed. Amer. 2: 3 (1823).

Regions. — Southern South America. Botanical countries. — CLN

Geranium gorbizense Aedo & Muñoz Garm., **nom. nov.**, ≡ *G. eriostemon* var. *orientale* Maxim. in *Bull. Acad. Imp. Sci. Saint-Pétersbourg* 26: 464 (1880); *G. orientale* (Maxim.) Freyn in *Oesterr. Bot. Z.* 52: 18 (1902), **nom. illeg.**, non Mill., *Gard. Dict.* ed. 8 n° 10 (1768).

The epithet *gorbizense* is derived from Gorbiza — or Gorbítsa, name for a Manchurian town now in the Russian Federation — one of the localities cited in the protologue.

Regions. — Soviet Far East & Eastern Asia. Botanical countries. — AMU, KHA, KOR, PRM.

Geranium hillebrandii Aedo & Muñoz Garm., **nom. nov.**, ≡ *G. humile* Hillebr., *Fl. Haw.* Isl.: 56 (1888), **nom. illeg.**, non Cav., *Diss.* 4: 202, tab. 83 fig. 2 (1787).

Geranium kauaiense (Rock) H. St. John is a separate species, endemic to Kauai, whereas *G. hillebrandii* is a separate endemic, from Maui (Medeiros & St. John 1988).

Regions. — North-Central Pacific. Botanical countries. — HAW.

Geranium neohispidum Aedo & Muñoz Garm., **nom. nov.**, ≡ *G. hispidum* Phil. in *Anales Univ. Chile* 82: 732 (1893), **nom. illeg.**, non L. f., *Suppl. Pl.*: 304 (1782).

Regions. — Southern South America. Botanical countries. — CLN.

Accepted for publication June 1997.

¹Permanent address: Real Jardín Botánico, Pl. de Murillo 2, E-28014 Madrid, Spain (e-mail address: aedo@ma-rjb.csic.es). Present address: The Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AE, U.K.

²Real Jardín Botánico, Pl. de Murillo 2, E-28014 Madrid, Spain (e-mail address: felix@ma-rjb.csic.es).

Geranium neopumilum *Aedo & Muñoz Garm.*, **nom. nov.**, ≡ *G. pumilum* R. Knuth in Engl., Pflanzenr. IV. 129 (Heft 53): 88 (1912), nom. illeg., non (Willd.) Poir. in Lam., Encycl. Suppl. 2: 751 (1812).

Regions. — Western South America. Botanical countries. — ECU.

Geranium pichinchense *Aedo & Muñoz Garm.*, **nom. nov.**, ≡ *G. quinquelobum* Wedd., Chlor. Andina 2: 286 (1861), non Lam., Encycl. 2: 671 (1788).

The epithet *pichinchense* is derived from Pichincha, name for the Ecuadorian mountain where the type material was collected.

Regions. — Western South America. Botanical countries. — ECU

Geranium reuteri *Aedo & Muñoz Garm.*, **nom. nov.**, ≡ *G. canariense* Reut., Cat. Grain. Jard. Bot. Genève 1857: 4 (1858), non (Willd.) Poir. in Lam., Encycl. Suppl. 2: 752 (1812).

Regions. — Macaronesia. Botanical countries. — CNY.

Geranium selloi *Aedo & Muñoz Garm.*, **nom. nov.**, ≡ *G. senecioides* R. Knuth in Engl., Pflanzenr. IV. 129 (Heft 53): 73 (1912), nom. illeg., non (L'Hér. ex Aiton) Dum. Cours., Bot. Cult. 3: 26 (1802).

The epithet *selloi* is derived from F. Sello, who collected the type material.

Regions. — Brazil. Botanical countries. — BZS

Geranium tafiense *Aedo & Muñoz Garm.*, **nom. nov.**, ≡ *G. delphinifolium* R. Knuth in Repert. Spec. Nov. Regni Veg. 45: 60 (1938), nom. illeg., non (Willd.) Poir. in Lam., Encycl. Suppl. 2: 752 (1812).

The epithet *tafiense* is derived from Tafi, the part of Argentina where the type material was collected.

Regions. — Southern South America. Botanical countries. — AGW.

Geranium tiguense *Aedo & Muñoz Garm.*, **nom. nov.**, ≡ *G. decumbens* R. Knuth in Engl., Pflanzenr. IV.129 (Heft 53): 215 (1912), nom. illeg., non Balb., Cat. Pl. ed. 1814: 11 (1814).

The epithet *tiguense* is derived from Tigua, name for the place in Ecuador where the type material was collected.

Regions. — Western South America. Botanical countries. — ECU, PER.

Geranium trianae *Aedo & Muñoz Garm.*, **nom. nov.**, *G. hirtum sensu* R. Knuth in Engl. Pflanzenr. IV.129 (Heft 53): 147 (1912), non Willd. ex Spreng., Syst. Veg. 3: 72 (1826), nom. illeg. [= *G. mexicanum* Humb., Bonpl. & Kunth, Nov. Gen. Sp. 5: 230 (1822)]; non *G. hirtum* Burm. f., Spec. Bot. Geran.: 48, tab. 1 fig. 64 (1759), nec Forssk., Fl. Aegypt.-Arab.: 123 (1775). Holotype: Colombia, Cordillera de Bogota, *Triana 3749* (K) [the only flowering specimen of the sheet].

G. hirtum Willd. ex Spreng. is a illegitimate name, being both a later homonym and also a superfluous name for *G. mexicanum* Humb., Bonpl. & Kunth, which is widespread in Mexico (Moore 1943). The Colombian plant described by Knuth (1912) under *G. hirtum* is, however, a different species from that described by Sprengel, and is here treated as a new species with the name validated by Knuth's description and the holotype cited above.

Regions. — Northern South America & Western South America. Botanical countries. — CLM, VEN.

Geranium yeoi Aedo & Muñoz Garm., **nom. nov.**, ≡ *G. rubescens* Yeo in Bol. Mus. Munic. Funchal 23: 31 (1969), nom. illeg., non Andrews, Geraniums 2, [pl. 46] (1805).

This new name is dedicated to P. Yeo, discoverer of the plant.

Regions. — Macaronesia. Botanical countries. — MDR.

ACKNOWLEDGMENTS

We are grateful to Dick Brummitt for his accurate review of the manuscript. Financial assistance was received from the Spanish DGICYT through the research project PB91-0070-C03-00.

REFERENCES

- Greuter, W., Barrie, F. R., Burdet, H. M., Chaloner, W. G., Demoulin, V., Hawksworth, D. L., Jorgensen, P. M., Nicolson, D. H., Silva, P. C., Trehane, P. & McNeill, J. (eds). (1994). International Code of Botanical Nomenclature (Tokyo Code). *Regnum Veg.* 131.
- Hollis, S. & Brummitt, R. K. (1992). World Geographical Scheme for Recording Plant Distributions. Pittsburgh: Hunt Institute for Botanical Documentation.
- Knuth, R. 1912. *Geraniaceae*. In: A. Engler (ed.), *Das Pflanzenreich*, IV: 129 (Heft 53). Leipzig.
- Medeiros, A. C. & St. John, H. (1988). *Geranium hanaense* (*Geraniaceae*), a new species from Maui, Hawaiian Islands. *Brittonia* 40: 214–220.
- Moore, H. E. (1943). A revision of the genus *Geranium* in Mexico and Central America. *Contr. Gray Herb.* 146: 1–108, 5 pl.